

25th Edition



Burner Setup Tables

for Oil & Gas OEM Applications



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OIL BURNER

INTRODUCTION

The Carlin Technical Support Team developed this OEM specification book. It is the result of extensive laboratory testing in cooperation with the listed original equipment manufacturers. We feel this will be perhaps your most valuable reference guide when servicing today's modern oil fired heating equipment. Before making any change to the setup outlined in this book, we recommend that you contact the Carlin Technical Service Hot Line or the appliance manufacturer.

This book is intended to be a setup guide. The air settings listed are only a starting point. It is critical that all oil fired heating equipment be installed using combustion efficiency test equipment and the burners be set to the appliance manufacturers recommended settings.

For your convenience this guide was compiled in alphabetical order. This book is updated on an annual basis. However, application approvals are being added on a weekly basis currently. As a result, if the application you are looking for is not listed in this book, please call the Carlin Technical Service Hot Line for assistance.

The Carlin Technical Support Team is committed to providing the finest customer service in the industry. If you should have any questions regarding this book or any Carlin product PLEASE give us a call.

You can reach the Carlin Technical Support Team on the Carlin Technical Service Hot Line at 1-800-989-2275.

B100

Settings

Several specifications listed in this guide have an additional entry for appliances firing Bio Blends greater than B20. When using Bio Blends above B20, we encourage you to use these settings for best results. Burners for these specific appliances manufactured on/ after November 20th, 2023 will come factory set at these settings.

Retrofit of Existing Burner

For residential burners manufactured before 11/20/2023, we recommend the upgrade of several components for optimum performance with biodiesel blends above B20, including the Fuel Pump, Primary Control, and Combustion Head Assembly.

For details on these changes, use our Online OEM Guide/ B100 Field Conversion Guide found on our website. From the ALL BLENDS [#2-B100] section, simply choose your appliance manufacturer and model, and instructions will be presented for field conversions, including components, settings, etc....

URL and QR CODE to our ONLINE OEM GUIDE/ B100 FIELD CONVERSION GUIDE



<https://oemguide.carlincombustion.com/b100-appliance-lookup/>

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Axeman-Anderson

PVT-105B	EZ-1HP	5" EZ-1	98453	1 3/4	0.60	70B	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
PVT-119B	EZ-1HP	5" EZ-1	98453	1 3/4	0.75	60B	Delavan		150	blank	0.85/1.00	3	0.75 (55%)
PVT-140H	EZ-1HP	5" EZ-1	98453	1 3/4	0.85	60B	Delavan		150	blank	0.85/1.00	3	0.85 (65%)
PVT-175H	EZ-1HP	5" EZ-1	98453	1 3/4	1.00	60B	Delavan		150	blank	0.85/1.00	3	1.00 (75%)
PVT-210H	EZ-1HP	5" EZ-1	98453	1 3/4	1.25	70B	Delavan		150	blank	1.10/1.25	4	1.25 (95%)

Biasi/ QHT

Burners must be purchased from Biasi

B10/4	EZ-1HP	7" EZ-1 ¹	50284	3	0.65	70A	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
B10/5	EZ-1HP	7" EZ-1 ¹	50284	3	0.85	60A	Delavan		150	blank	0.85/1.00	3	0.85 (65%)
B10/6	EZ-1HP	7" EZ-1 ¹	50284	3	1.00	60B	Delavan		150	blank	0.85/1.00	3	1.00 (75%)
B10/7	EZ-66 ²	7" WS	51196	3	1.20	60B	Delavan	60W Delavan	180	blank	--	5	65%
B10/8	EZ-66 ²	7" WS	51196	3	1.35	60B	Delavan	60W Delavan	180	blank	--	8	75%
B10/9	EZ-66 ²	7" WS	51196	3	1.50	60B	Delavan	60B Hago	180	open	--	9	45%
B10/4-DV	EZ-1HP	7" EZ-1 ¹	50284	3	0.65	70A	Delavan		150	cover	0.60/0.65	1	0.75 (55%)
B10/5-DV	EZ-1HP	7" EZ-1 ¹	50284	3	0.85	60A	Delavan		150	cover	0.85/1.00	3	1.00 (75%)
B10/6-DV	EZ-1HP	7" EZ-1 ¹	50284	3	1.00	60A	Delavan		150	cover	0.85/1.00	3	1.20 (85%)
SG-3	EZ-1HP	7" EZ-1	51018	3 1/2	0.65	60B	Delavan	60AS Danfoss	175	blank	0.60/0.65	1	0.90 (55%)
SG-4	EZ-1HP	7" EZ-1	51018	3 1/2	1.00	60B	Delavan	60B Hago	135	blank	0.85/1.00	3	1.20 (70%)
SG-5	EZ-1HP	7" EZ-1	51018	3 1/2	1.25	60B	Delavan	60B Hago	140	blank	1.10/1.25	4	1.65 (85%)
SG-6	EZ-66 ²	7" WS	51021	3 1/2	1.25	60B	Delavan	60B Hago	200	blank	--	5	90%
SG-7	EZ-66 ²	7" WS	51021	3 1/2	1.50	60B	Delavan	60B Hago	200	open	--	7	40%

¹ For 5" air tube use part number 97847.

² Burners equipped with 2-step pump and 2 second time delay

Bock Water Heater

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

20E	EZ-LF	7" 12D	99781	5 3/8	0.40	60A	Delavan		115	blank	0.35/0.50	0	20%
30ES	EZ-1	7" EZ-1	9588502	5 3/8	0.60	70B	Delavan		100	blank	0.60/0.65	1	0.60
32E, 32EC, 33E	EZ-1	7" EZ-1	9588502	5 3/8	0.75	70A	Delavan		100	blank	0.75	2	0.75
32PP, 32PPC	EZ-1	7" EZ-1	9588502	5 3/8	0.75	70A	Delavan		100	blank	0.75	2	0.75
40E	EZ-1	7" EZ-1	9588502	5 3/8	0.85	60A	Delavan		100	blank	0.85/1.00	3	0.85
50ES	EZ-1	7" EZ-1	9588502	5 3/8	1.00	70A	Delavan		100	blank	0.85/1.00	3	1.00
51E, 51EC	EZ-1	7" EZ-1	9588502	5 3/8	1.10	70A	Delavan		100	blank	1.10/1.25	4	1.10
51PP, 51PPC	EZ-1	7" EZ-1	9588502	5 3/8	1.10	70A	Delavan		100	blank	1.10/1.25	4	1.10
71E, 71EC	EZ-1	7" EZ-1	9588502	5 3/8	1.25	60A	Delavan		100	blank	1.10/1.25	4	1.25
120E	EZ-1	7" EZ-1	98480	5 3/8	1.10	70A	Delavan		100	blank	1.10/1.25	4	1.10
190E	EZ-1	7" EZ-1	98480	5 3/8	1.35	70B	Delavan		100	blank	1.35/1.50	5	1.35

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

30ES	EZ-1	7" EZ-1	9588502	5 3/8	0.60	70B	Delavan		155	blank	0.60/0.65	1	20%
32E, 32EC, 33E	EZ-1	7" EZ-1	9588502	5 3/8	0.60	60A	Delavan		155	blank	0.75	2	0.75 (45%)
32PP, 32PPC	EZ-1	7" EZ-1	9588502	5 3/8	0.60	70A	Delavan		155	blank	0.75	2	0.75 (45%)
40E	EZ-1	7" EZ-1	9588502	5 3/8	0.65	60A	Delavan		170	blank	0.85/1.00	3	0.85 (50%)
50ES	EZ-1	7" EZ-1	9588502	5 3/8	0.85	60A	Delavan		140	blank	0.85/1.00	3	1.00 (60%)
51E, 51EC	EZ-1	7" EZ-1	9588502	5 3/8	0.90	60A	Delavan		150	blank	1.10/1.25	4	1.10 (65%)
51PP, 51PPC	EZ-1	7" EZ-1	9588502	5 3/8	0.90	60A	Delavan		150	blank	1.10/1.25	4	1.10 (65%)
71E, 71EC	EZ-1	7" EZ-1	9588502	5 3/8	1.00	60A	Delavan		155	blank	1.10/1.25	4	1.25 (70%)
120E	EZ-1	7" EZ-1	98480	5 3/8	0.90	60A	Delavan		150	blank	1.10/1.25	4	1.10 (65%)
190E	EZ-1	7" EZ-1	98480	5 3/8	1.10	70B	Delavan		150	blank	1.35/1.50	5	1.35 (75%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Bock Water Heater cont'd

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
20BCS/E	EZ-LF	7" 12D	99781	5 3/8	0.40	60A	Delavan		115	Air Boot	0.35/0.50	0	4%
32BCS/E	EZ-1	7" EZ-1	9588502	5 3/8	0.75	70A	Delavan		100	Air Boot	0.75	2	0.75 (45%)
40BCS/E	EZ-1	7" EZ-1	9588502	5 3/8	0.85	70A	Delavan		100	Air Boot	0.85/1.00	3	0.85 (50%)
51BCS/E	EZ-1	7" EZ-1	9588502	5 3/8	1.10	70A	Delavan		100	Air Boot	1.10/1.25	4	1.10 (65%)
120BCS/E	EZ-1	7" EZ-1	98480	5 3/8	1.10	70A	Delavan		100	Air Boot	1.10/1.25	4	1.10 (65%)
190BCS/E	EZ-1	7" EZ-1	98480	5 3/8	1.35	70B	Delavan		100	Air Boot	1.35/1.50	5	1.35 (75%)
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
32BCS/E	EZ-1	7" EZ-1	9588502	5 3/8	0.60	70A	Delavan		155	Air Boot	0.75	2	0.75 (45%)
40BCS/E	EZ-1	7" EZ-1	9588502	5 3/8	0.65	70A	Delavan		170	Air Boot	0.85/1.00	3	0.85 (50%)
51BCS/E	EZ-1	7" EZ-1	9588502	5 3/8	0.90	70A	Delavan		150	Air Boot	1.10/1.25	4	1.10 (65%)
120BCS/E	EZ-1	7" EZ-1	98480	5 3/8	0.90	70A	Delavan		150	Air Boot	1.10/1.25	4	1.10 (65%)
190BCS/E	EZ-1	7" EZ-1	98480	5 3/8	1.10	70B	Delavan		150	Air Boot	1.35/1.50	5	1.35 (75%)
72E	EZ-2HP	7" EZ-2/3	98374	5 3/8	1.25	70B	Delavan		150	EZ-2	1.50	4	1.25 (5%)
73E	EZ-2HP	7" EZ-2/3	98374	5 3/8	1.50	70B	Delavan		150	EZ-2	1.50	4	1.50 (15%)
241E	EZ-2HP	11" EZ-2/2	98334	8 3/4	1.65	70B	Delavan		150	EZ-2	2.00	6	1.65 (25%)
361E	201CRD	11"	98342	8 3/4	2.50	70B	Delavan		150	--	--	3/8	25%
541E	201CRD	11"	98342	8 3/4	4.00	70B	Delavan		130	--	--	11/16	75%
150-400	201CRD	11"	51667	8 3/4	2.50	70B	Delavan		150	--	--	3/8	30%
200-450	201CRD	11"	51667	8 3/4	2.50	70B	Delavan		150	--	--	3/8	30%
200E-1150	601CRD	10"	78881	5 1/2	6.50	45SS	Hago		150	--	--	7/8	5/8
250E-1000	601CRD	10"	78881	5 1/2	5.50	45SS	Hago		150	--	--	9/16	5/8
250E-1250	601CRD	10"	78881	5 1/2	7.50	60P	Hago		150	--	--	7/8	100%
250E-1500	601CRD	10"	78881	5 1/2	9.00	60P	Hago		150	--	--	1	100%

Boiler Smith

15BHP	301CRD	10" C	N/A	6 5/8	4.50	60H	Hago		100	--	--	7/16	70%
20	701CRD	14"	N/A	6 5/8	LF 3.00	60H	Hago		150	--	--	1/16	1/8
					HF 2.00	60H	Hago						
25	701CRD	14"	N/A	6 5/8	LF 3.25	60H	Hago		150	--	--	1/4	1/8
					HF 2.75	60H	Hago						
30	701CRD	14"	N/A	6 5/8	(2) 3.75	60H	Hago		150	--	--	7/16	3/8
35	701CRD	14"	N/A	6 5/8	LF 4.00	60H	Hago		150	--	--	9/16	1/2
					HF 4.50	60H	Hago						
40	701CRD	14"	N/A	6 5/8	(2) 5.00	45H	Hago		150	--	--	7/8	3/4
40	801CRD	15"	N/A	6 5/8	LF 5.50	45H	Hago		150	--	--	1/16	1/4
					HF 4.50	45H	Hago						
45	801CRD	15"	N/A	6 5/8	(2) 5.50	45H	Hago		150	--	--	3/16	1/4

Boyertown Furnace Co.

Class Boilers													
CL375	EZ-1HP	4" EZ-1	50926	4	0.60	60W	Delavan	60AS Danfoss	150	blank	0.60/0.65	1	0.55 (40%)
CL4100	EZ-1HP	4" EZ-1	50926	4	0.85	45B	Delavan	60W Delavan	150	blank	0.75	2	0.75 (55%)
CL5125	EZ-1HP	4" EZ-1	50926	4	1.00	60B	Delavan	60B Delavan	150	blank	0.75	2	1.00 (75%)
CL6150	EZ-1HP	4" EZ-1	50926	4	1.25	45B	Delavan	60B Delavan	150	blank	1.10/1.25	4	1.25 (95%)
Hallmark Furnace													
LB/HB 85	EZ-1HP	9" EZ-1	98326	5 3/4	0.65	70W	Delavan	70A Delavan	140	EZ-1	0.60/0.65	1	0.65 (40%)
LB/HB 115	EZ-1HP	9" EZ-1	98326	5 3/4	0.85	70B	Delavan	70W Delavan	140	EZ-1	0.85/1.00	3	0.85 (50%)
LB/HB 145	EZ-1HP	9" EZ-1	98326	5 3/4	1.00	70B	Delavan	70B Hago	140	EZ-1	0.85/1.00	3	1.00 (65%)
LB/HB 160	EZ-1HP	9" EZ-1	98326	5 3/4	1.10	70B	Delavan	70W Delavan	140	EZ-1	1.10/1.25	4	1.10 (70%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Boyertown Furnace Co. cont'd

Regal Furnace

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

LB/HB 600	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan		100	blank	0.60/0.65	1	0.60
LB/HB 750	EZ-1	7" EZ-1	98685	5 1/2	0.75	70A	Delavan		100	blank	0.75	2	0.75
LB/HB 850	EZ-1	7" EZ-1	98685	5 1/2	0.85	70A	Delavan		100	blank	0.85/1.00	3	0.85
LB/HB 1000	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago		100	blank	0.85/1.00	3	1.00
LB/HB 1250	EZ-1	9" EZ-1	98686	8	1.25	60SS	Hago		100	blank	1.10/1.25	4	1.25

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

LB/HB 600	EZ-1	7" EZ-1	98685	5 1/2	0.50	70A	Delavan		145	blank	0.60/0.65	1	0.60 (35%)
LB/HB 750	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan		155	blank	0.75	2	0.75 (45%)
LB/HB 850	EZ-1	7" EZ-1	98685	5 1/2	0.65	70A	Delavan		170	blank	0.85/1.00	3	0.85 (50%)
LB/HB 1000	EZ-1	9" EZ-1	98686	8	0.85	60SS	Hago		140	blank	0.85/1.00	3	1.00 (60%)
LB/HB 1250	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago		155	blank	1.10/1.25	4	1.25 (70%)

Regal Star Furnace

RSM-600	EZ-LF Select	9" 12D	50796	4 1/4	0.50	60A	Delavan	60W Delavan	165	blank	--	1	25%
RSM-750	EZ-LF Select	9" 12D	50796	4 1/4	0.60	60A	Delavan	60W Delavan	165	blank	--	1	45%
RSM-850	EZ-LF Select	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	--	1	51%
RSM-1005	EZ-LF Select	9" 12D	51211	5 1/4	0.75	60A	Delavan		175	blank	--	2	60%
RSM-1105	EZ-LF Select	9" 12D	51211	5 1/4	0.85	60A	Delavan		175	blank	--	3	63%

Regal Star Furnace

RSM-600-DV	EZ-LF Select	9" 12D	50796	4 1/4	0.50	60B	Delavan	60ST Steinen	165	blank	--	1	30%
RSM-750-DV	EZ-LF Select	9" 12D	50796	4 1/4	0.60	60A	Delavan	60S Steinen	165	blank	--	1	40%
RSM-850-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	--	2	60%
RSM-1005-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.75	60A	Delavan	60B Delavan	175	blank	--	2	70%
RSM-1105-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.85	60A	Delavan	60B Delavan	175	blank	--	3	80%

Pre 2021 below

RSM-600	EZ-LF	9" 12D	50796	4 1/4	0.50	60A	Delavan	60W Delavan	165	blank	0.60/0.65	1	25%
					0.60	60A	Delavan	60W Delavan	165	blank	0.60/0.65	1	45%
RSM1005	EZ-LF	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	0.60/0.65	1	0.65 (50%)
					0.75	60A	Delavan		175	blank	0.75	2	0.75 (55%)
					0.85	60A	Delavan		175	blank	0.85/1.00	3	0.85 (60%)

Solaia Boilers

SL375	EZ-1 Select	7" EZ-1	99843	3 3/4	0.60	60B	Delavan	60S Steinen	150	blank	--	1	50%
SL4100	EZ-1 Select	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	45W Delavan	150	blank	--	3	63%
SL5125	EZ-1 Select	7" EZ-1	99843	3 3/4	1.00	60B	Delavan	60S Steinen	150	blank	--	4	75%
SL6150	EZ-66	7" WS-R	51663	4	1.10	60W	Delavan	60B Hago	175	3 slot	--	3.5	40%
SL7165	EZ-66	7" WS-R	51663	4	1.25	60B	Delavan	45B Delavan	175	3 slot	--	4	40%
SL8190	EZ-66	7" WS-R	51663	4	1.50	60B	Delavan	45B Delavan	175	3 slot	--	4.5	70%

SL6, SL7, and SL8 with EZ-66 burner use 2-step pump with 2 second time delay

SLD375	EZ-1 Select	9" EZ-1	50285	3 3/4	0.60	60B	Delavan	60S Steinen	150	blank	--	1	55%
SLD4100	EZ-1 Select	9" EZ-1	50285	3 3/4	0.85	45B	Delavan	60S Steinen	150	blank	--	2	63%
SLD5125	EZ-1 Select	9" EZ-1	50285	3 3/4	1.00	60B	Hago	60S Steinen	150	blank	--	3	95%

Pre 2021 below

SL375	EZ-1HP	7" EZ-1	99843	3 3/4	0.60	60W	Delavan	60AS Danfoss	150	blank	0.60/0.65	1	0.60 (45%)
SL4100	EZ-1HP	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	60W Delavan	150	blank	0.85/1.00	3	0.85 (65%)
SL5125	EZ-1HP	7" EZ-1	99843	3 3/4	1.00	60B	Delavan	60B Delavan	150	blank	0.85/1.00	3	1.00 (75%)
SL6150	EZ-1HP	7" EZ-1	99843	3 3/4	1.25	45B	Delavan	60B Delavan	150	blank	1.10/1.25	4	1.25 (95%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Boyertown Furnace Co. cont'd

Solaia Forte

SF3100	EZ-1 Select	11" EZ-1	51697	4 3/4	0.85	70B	Delavan	70S Steinen	150	blank	--	2	40%
SF3115	EZ-1 Select	11" EZ-1	51697	4 3/4	0.90	70B	Delavan		160	blank	--	2	45%
SF4125	EZ-1 Select	11" EZ-1	51697	4 3/4	1.00	70B	Delavan	60S Steinen	155	blank	--	3	45%
SF4140	EZ-1 Select	11" EZ-1	51697	4 3/4	1.10	70B	Delavan		160	blank	--	3	50%
SF5150	EZ-1 Select	11" EZ-1	51697	4 3/4	1.25	60B	Delavan	60S Steinen	150	blank	--	4	50%
SF5170	EZ-1 Select	11" EZ-1	51697	4 3/4	1.35	60B	Delavan		170	blank	--	4	60%
SF6175	EZ-1 Select	11" EZ-1	51697	4 3/4	1.50	45B	Delavan		150	blank	--	5	65%

SF5 and SF6 burners use 2-step pump with 2 second time delay

Bradford White Corporation

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

RF-30SX	EZ-1	9" EZ-1	96860	7	0.85	60A	Delavan	60AB Danfoss	100	blank	0.85/1.00	3	0.85
RF-30	EZ-1	9" EZ-1	96860	7	0.85	60A	Delavan	60AB Danfoss	100	blank	0.85/1.00	3	0.85
RF-50	EZ-1	9" EZ-1	96861	7 1/2	1.25	60B	Delavan	60W Delavan	100	blank	1.10/1.25	4	1.25
RF-70	EZ-2	11" EZ-2/3	98975	9	1.50	60A	Delavan	60AB Danfoss	100	EZ-2	1.35/1.50	5	2.00
					1.75	60B	Delavan	60A Delavan	100	EZ-2	2.00	6	1.75

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

RF-30SX	EZ-1	9" EZ-1	96860	7	0.60	60A	Delavan	60AB Danfoss	170	blank	0.85/1.00	3	0.85 (55%)
RF-30	EZ-1	9" EZ-1	96860	7	0.60	60A	Delavan	60AB Danfoss	170	blank	0.85/1.00	3	0.85 (55%)
RF-50	EZ-1	9" EZ-1	96861	7 1/2	1.00	60B	Delavan	60W Delavan	155	blank	1.10/1.25	4	1.25 (70%)
RF-70	EZ-2	11" EZ-2/3	98975	9	1.20	60A	Delavan	60AB Danfoss	155	EZ-2	1.35/1.50	5	2.00 (100%)
					1.35	60B	Delavan	60A Delavan	170	EZ-2	2.00	6	1.75 (10%)

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

CF-32	EZ-1	7" EZ-1	96863	5 1/2	0.65	70A	Delavan	60A Delavan	100	blank	0.60/0.65	1	0.65
CF-38	EZ-66	7" STD	50652	6 3/4	1.75	60B	Delavan	60B Hago	100	open	--	3	50%
					2.00	60W	Delavan	60B Hago	100	open	--	5	75%
					2.25	60W	Delavan	60SS Hago	100	open	--	7	55%
					2.50	60W	Delavan	60W Delavan	100	open	--	9	80%
CF-50	EZ-1	9" EZ-1	96860	7	0.75	60A	Delavan	60W Delavan	100	blank	0.75	2	0.75
					0.85	60A	Delavan		100	blank	0.85/1.00	3	0.85
CF-70	EZ-1	9" EZ-1	96860	7	0.85	60A	Delavan	60W Delavan	100	blank	0.85/1.00	3	0.85

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

CF-32	EZ-1	7" EZ-1	96863	5 1/2	0.55	70A	Delavan	60A Delavan	140	blank	0.60/0.65	1	0.65 (40%)
CF-38	EZ-66	7" STD	50652	6 3/4	1.35	60B	Delavan	60B Hago	170	open	--	3	50%
					1.65	60W	Delavan	60B Hago	145	open	--	5	75%
					1.75	60W	Delavan	60SS Hago	165	open	--	7	55%
					2.00	60W	Delavan	60W Delavan	155	open	--	9	80%
CF-50	EZ-1	9" EZ-1	96860	7	0.60	60A	Delavan	60W Delavan	155	blank	0.75	2	0.75 (45%)
					0.65	60A	Delavan		170	blank	0.85/1.00	3	0.85 (50%)
CF-70	EZ-1	9" EZ-1	96860	7	0.65	60A	Delavan	60W Delavan	170	blank	0.85/1.00	3	0.85 (50%)

CF-80-490	301CRD	9" C	50655	6 1/2	3.50	80B	Delavan	70B Delavan	100	-	--	1/16	25%
CF-80-560	301CRD	9" C	50655	6 1/2	4.00	80B	Delavan	70B Delavan	100	-	--	1/16	50%
CF-80-630	301CRD	9" C	50655	6 1/2	4.50	80B	Delavan	70B Delavan	100	-	--	3/8	50%
CF-80-560	301CRD	9" C	50655	6 1/2	5.00	80W	Delavan	80B Delavan	100	-	--	3/8	80%
CF-100-350	102CRD	9" C	50651	6 1/2	2.50	70A	Delavan	70P Hago	100	open	--	1	33%
CF-100-420	102CRD	9" C	50651	6 1/2	3.00	60W	Delavan	60SS Hago	100	open	--	1	70%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Bradford White Corporation cont'd

RF-30	100CRD	9" STD	97436	7	0.60	60A	Delavan		170	blank	--	2-4	60%
RF-50	100CRD	9" STD	97437	7 1/2	1.00	60B	Delavan		155	blank	--	4-6	75%
RF-70	100CRD	11" STD	97438	9	1.35	60B	Delavan		150	blank	--	6-8	100%
CF-32A	100CRD	7" STD	97459	5 1/2	0.55	60A	Delavan		140	blank	--	0-2	40%
CF-40	100CRD	7" STD	N/A	4 1/2	0.55	60A	Delavan		140	blank	--	0-2	40%
CF-50	100CRD	9" STD	N/A	7	0.60	60A	Delavan		170	blank	--	0-2	45%

Brock Water Heater

IB-32	EZ-1	7" EZ-1	98170	5 1/2	0.75	60A	Delavan	60W Delavan	100	EZ-1	0.75	2	0.75
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Bryan Steam

CL-75	301CRD	10" C	48934	5 1/2	5.00	45H	Hago		100	--	--	9/16	80%
CL-90	301CRD	10" C	48934	5 1/2	6.50	45H	Hago		100	--	--	9/16	100%
CL-90	701CRD	10"	N/A	5 1/2	LF	3.00	60H	Hago	150	--	--	1/4	0
					HF	2.50	60H	Hago					
CL-120	701CRD	10"	N/A	5 1/2	(2)	3.50	60H	Hago	150	--	--	1/2	1/4
CL-150	701CRD	10"	N/A	5 1/2	(2)	4.50	60H	Hago	150	--	--	3/4	5/8
CL-180	801CRD	10"	49338	5 1/2	(2)	5.50	45H	Hago	150	--	--	3/16	1/4
CL-210	801CRD	10"	49338	5 1/2	LF	6.00	45H	Hago	150	--	--	7/16	3/8
					HF	6.50	45H	Hago					
CL-240	801CRD	10"	49338	5 1/2	LF	6.50	45H	Hago	150	--	--	7/8	1/2
					HF	8.00	45H	Hago					
CL-270	801CRD	10"	49338	5 1/2	LF	7.00	45H	Hago	150	--	--	1 1/4	1/2
					HF	9.00	45H	Hago					

Buderus Hydronic Systems

G115-3	EZ-1HP	7" EZ-1 ¹	50700	4	0.50	70A	Delavan	60A Delavan	150	blank	0.50	0	0.50 (30%)
G115-3WS	EZ-1HP	7" EZ-1 ¹	50700	4	0.60	60B	Delavan	60W Delavan	160	blank	0.60/0.65	1	0.60 (45%)
G115-4	EZ-1HP	7" EZ-1 ¹	50700	4	0.65	60ES	Hago	70AS Danfoss	150	blank	0.60/0.65	1	0.65 (50%)
G115-4WS	EZ-1HP	7" EZ-1 ¹	50700	4	0.75	60B	Delavan	70A Delavan	160	blank	0.75	2	0.75 (55%)
G115-5	EZ-1HP	7" EZ-1 ¹	50700	4	0.85	60B	Delavan	60W Delavan	150	blank	0.85/1.00	3	0.85 (65%)
G115-5WS	EZ-1HP	7" EZ-1 ¹	50700	4	0.85	60B	Hago	60B Delavan	185	blank	0.75	2	1.00 (75%)
G115-3DV	EZ-1HP	7" EZ-1 ¹	50700	4	0.50	70A	Delavan	60A Delavan	150	cover	0.50	0	0.50 (30%)
G115-4DV	EZ-1HP	7" EZ-1 ¹	50700	4	0.65	60ES	Hago	70AS Danfoss	150	cover	0.60/0.65	1	0.75 (50%)
G115-5DV	EZ-1HP	7" EZ-1 ¹	50700	4	0.85	60B	Delavan	60W Delavan	150	cover	0.85/1.00	3	1.00 (60%)
G205-34	EZ-1HP	5" EZ-1	97288	3 1/4	0.85	60B	Delavan	60ES Hago	150	EZ-1	0.85/1.00	3	0.85 (65%)
G205-42	EZ-1HP	5" EZ-1	97288	3 1/4	1.00	60B	Delavan	60B Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
G205-50	EZ-1HP	5" EZ-1	97288	3 1/4	1.20	60B	Delavan	60ES Hago	150	EZ-1	1.10/1.25	4	0.90 (65%)
G205-58	99FRD	5" WS	97498	3 1/4	1.35	60B	Delavan	70B Delavan	150	blank	--	4	70%
G205-66	99FRD	5" WS	97498	3 1/4	1.50	60B	Delavan	70B Delavan	150	blank	--	5	100%
G215-3	EZ-1HP	7" EZ-1	50983	3 1/4	0.85	60B	Delavan	60B Hago	150	EZ-1	0.85/1.00	3	0.75 (60%)
G215-4	EZ-66	7" WS-R	99970	3 1/4	1.10	45B	Delavan	45B Delavan	160	blank	--	2-4	50%
G215-5	EZ-66	7" WS-R	99970	3 1/4	1.35	45B	Delavan	45B Delavan	160	blank	--	4-6	75%
G215-4	99FRD	7" WS-R	99970	3 1/4	1.10	45B	Delavan	45B Delavan	160	blank	--	2-4	50%
G215-5	99FRD	7" WS-R	99970	3 1/4	1.35	45B	Delavan	45B Delavan	160	open	--	4-6	10%

¹ For 5" air tube use part number 97847.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Buderus Hydronic Systems cont'd

G305-80	201CRD	7"	N/A	3 1/2	2.00	45B	Delavan	60P Hago	150	--	--	1/4	20%
G305-95	201CRD	7"	N/A	3 1/2	2.25	45SS	Hago	60P Hago	150	--	--	3/8	25%
G305-115	201CRD	7"	N/A	3 1/2	2.50	45SS	Hago	60P Hago	150	--	--	3/8	50%
G305-130	201CRD	7"	N/A	3 1/2	3.00	45B	Delavan	60P Hago	150	--	--	1/2	60%
G305-140	201CRD	7"	N/A	3 1/2	3.50	45SS	Hago	60P Hago	140	--	--	13/16	60%

Burnham (U.S. Boiler)

4F63-50	301CRD	14" B	N/A	5 1/2	3.50	60SS	Hago		100	--	--	3/8	40%
4F92-40	601CRD	14"	69153	5 1/2	5.50	45SS	Hago		150	--	--	3/16	45%
4F107-50	701CRD	14"	69153	5 1/2	LF 3.00 HF 2.50	60H 60H	Hago Hago		150	--	--	1/16	0
4F154-40	701CRD	14"	69153	5 1/2	LF 4.50 HF 5.00	60H 60H	Hago Hago		150	--	--	3/4	5/8
4F154-40	801CRD	15"	69161	5 1/2	LF 5.50 HF 4.00	45H 45H	Hago Hago		150	--	--	1/16	1/4
4F180-40	801CRD	15"	69161	5 1/2	(2) 5.50	45H	Hago		150	--	--	3/16	1/4
4F180-45	801CRD	15"	69161	5 1/2	LF 5.50 HF 4.50	45H 45H	Hago Hago		150	--	--	1/16	1/4
4F209-40	801CRD	15"	69161	5 1/2	(2) 6.50	45SS	Hago		150	--	--	7/16	3/8
4F209-45	801CRD	15"	69161	5 1/2	LF 6.00 HF 5.50	45H 45H	Hago Hago		150	--	--	1/4	3/8
4F209-50	801CRD	15"	69161	5 1/2	LF 5.50 HF 4.50	45H 45H	Hago Hago		150	--	--	1/16	1/4
4F240-45	801CRD	15"	69161	5 1/2	(2) 6.50	45H	Hago		150	--	--	7/16	3/8
4F240-50	801CRD	15"	69161	5 1/2	(2) 6.00	45H	Hago		150	--	--	5/16	3/8
4F277-50	801CRD	15"	69161	5 1/2	LF 6.50 HF 7.00	45H 45H	Hago Hago		150	--	--	1/2	1/2
4F240-40	1050FFD	STD 4" SP	48462	5 5/8	LF 9.00 HF 4.00 HF 4.50	45SS 45SS 45SS	Hago Hago Hago		100	--	--	3/4	100%
4F277-40	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 HF 5.00 HF 5.50	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1	100%
4F277-45	1050FFD	STD 4" SP	48462	5 5/8	LF 9.00 2HF 4.50	45SS 45SS	Hago Hago		100	--	--	7/8	100%
4F311-45	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 HF 5.00 HF 5.50	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1	100%
4F311-50	1050FFD	STD 4" SP	48462	5 5/8	LF 9.00 HF 4.50 HF 5.00	45SS 45SS 45SS	Hago Hago Hago		100	--	--	7/8	100%
4F345-50	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 HF 5.00 HF 5.50	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1	100%
4F360-50	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 HF 5.50 HF 6.00	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1 1/4	100%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Burnham (U.S. Boiler) cont'd

E-20	701CRD	10"	78881	5 1/2	LF HF	3.00 2.00	60H 60H	Hago Hago		150	--	--	0	3/8
E-30	701CRD	10"	78881	5 1/2	(2)	3.75	60H	Hago		150	--	--	7/16	3/8
E-40	801CRD	10"	49338	5 1/2	(2)	5.00	45H	Hago		150	--	--	1/2	0
E-50	801CRD	10"	49338	5 1/2	LF HF	6.00 6.50	45H 45H	Hago Hago		150	--	--	7/8	0
E-60	1050FFD	STD 4" SP	48462	5 5/8	LF 2HF	8.00 5.00	45SS 45SS	Hago Hago		100	--	--	9/16	5/16
EMP-84	EZ-LF ¹	7" - 12D	50989	2 5/8		0.50	60AS	Danfoss		150	blank	--	1	30%
EMP-115	EZ-LF ¹	7" - 12D	50989	2 5/8		0.65	60A	Delavan	60B Delavan	150	blank	0.75	2	70%
EMP-147	EZ-66	7" CW	50990	2 5/8		0.85	45B	Hago	45B Delavan	150	blank	--	2	40%
EMP-189	EZ-66	7" CW	50990	2 5/8		1.10	45B	Delavan	45B Hago	150	blank	--	3.5	50%
EMP-231	EZ-66	7" CW	50990	2 5/8		1.35	45B	Delavan	45AS Danfoss	150	blank	--	5.5	60%
¹ Burner equipped a 28 hole blender on access cover														
FDO-7	102CRD	7" B	48603	4 3/8		2.25	70A	Delavan		100	open	--	0	100%
FDO-9	102CRD	7" B	48603	4 3/8		2.75	70A	Delavan		100	open	--	0	100%
FDO-10	102CRD	7" B	48603	4 3/8		3.00	70A	Delavan		100	open	--	0	100%
FDO-10	301CRD	8" B	48967	4 3/8		3.00	60SS	Hago		100	--	--	5/16	100%
FDO-12	301CRD	8" B	48967	4 3/8		4.00	60SS	Hago		100	--	--	5/16	100%
FDO-14	301CRD	8" B	48967	4 3/8		4.50	60SS	Hago		100	--	--	7/16	100%
FDO-15	301CRD	8" B	48967	4 3/8		5.00	60SS	Hago		100	--	--	9/16	100%
FDO-19	301CRD	8" C	48975	4 3/8		6.00	45SS	Hago		100	--	--	1/2	100%
FDO-24	701CRD	10"	N/A	4 3/8	LF HF	3.25 2.75	60H 60H	Hago Hago		150	--	--	3/8	1/8
FDO-30	701CRD	10"	N/A	4 3/8	(2)	3.75	60H	Hago		150	--	--	5/8	3/8
FDO-38	801CRD	10"	N/A	4 3/8	LF HF	5.50 4.50	45SS 45SS	Hago Hago		150	--	--	1/8	1/4
FDO-45	801CRD	10"	N/A	4 3/8	LF HF	6.00 5.50	45SS 45SS	Hago Hago		150	--	--	1/2	3/8
MULTI-FUEL	100CRD	5" WS	47134	3 3/4		1.25	60AR	Monarch		100	blank	--	2	100%
MP108	100CRD	9" WS	47316	2 1/2		0.75	70B	Delavan		145	blank	--	0	40%
MP138	100CRD	9" WS	47316	2 1/2		0.90	70B	Delavan		145	blank	--	2	60%
MPO-84	EZ-LF ¹	7" - 12D	50989	2 5/8		0.50	60AS	Danfoss	60B Hago	150	blank	--	1	30%
MPO-115	EZ-LF ¹	7" - 12D	50989	2 5/8		0.65	60A	Delavan	60B Delavan	150	blank	0.75	2	70%
MPO-147/ MST-396	EZ-66	7" CW	50990	2 5/8		0.85	45B	Hago	45B Delavan	150	blank	--	0-2	40%
MPO-189/ MST-513	EZ-66	7" CW	50990	2 5/8		1.10	45B	Delavan	45B Hago	150	blank	--	2-4	50%
MPO-231/ MST-629	EZ-66	7" CW	50990	2 5/8		1.35	45B	Delavan	45AS Danfoss	150	blank	--	4-6	60%
¹ Burner equipped a 28 hole blender on access cover														
PF-504	301CRD	6" B	48850	2 3/4		5.50	70A	Delavan		100	--	--	1/2	95%
PF-505	601CRD	10"	49072	2 3/4		5.50	60H	Hago		150	--	--	5/16	75%
PF-506	601CRD	10"	49072	2 3/4		7.00	45H	Hago		150	--	--	7/16	90%
PF-507	601CRD	10"	49072	2 3/4		8.00	45SS	Hago		150	--	--	5/8	100%
PF-505	701CRD	10"	49072	2 3/4	LF HF	3.25 2.25	60H 60H	Hago Hago		150	--	--	5/16	1/8
PFR-505	701CRD	10"	49072	2 3/4	LF HF	3.00 2.00	60H 60H	Hago Hago		150	--	--	5/16	1/8

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Burnham (U.S. Boiler) cont'd

PF-506	701CRD	10"	49072	2 3/4	(2)	3.50	60H	Hago		150	--	--	7/16	1/4
PFR-506	701CRD	10"	49072	2 3/4	LF	3.25	60H	Hago		150	--	--	7/16	1/4
					HF	2.75	60H	Hago						
PF-507	701CRD	10"	49072	2 3/4	(2)	4.00	60H	Hago		150	--	--	5/8	1/2
PFR-507	701CRD	10"	49072	2 3/4	(2)	3.75	60H	Hago		150	--	--	5/8	1/2
PF-508	701CRD	10"	49072	2 3/4	(2)	4.50	60H	Hago		150	--	--	1	5/8
PFR-508	701CRD	10"	49072	2 3/4	LF	4.00	60H	Hago		150	--	--	1	5/8
					HF	4.50	60H	Hago						
PF-509	801CRD	10"	49460	3 1/16	LF	5.50	45H	Hago		150	--	--	1/8	100%
					HF	5.00	45H	Hago						
PFR-509	801CRD	10"	49460	3 1/16	(2)	5.00	45H	Hago		150	--	--	1/8	100%
PF-510	801CRD	10"	49460	3 1/16	LF	6.00	45H	Hago		150	--	--	5/16	100%
					HF	5.50	45H	Hago						
PFR-510	801CRD	10"	49460	3 1/16	(2)	5.50	45H	Hago		150	--	--	5/16	100%
PF-511	801CRD	10"	49460	3 1/16	(2)	6.50	45H	Hago		150	--	--	7/16	100%
PFR-511	801CRD	10"	49460	3 1/16	LF	6.00	45H	Hago		150	--	--	7/16	100%
					HF	6.50	45H	Hago						
PF-512	801CRD	10"	49460	3 1/16	LF	6.50	45H	Hago		150	--	--	3/4	100%
					HF	7.50	45H	Hago						
PFR-512	801CRD	10"	49460	3 1/16	LF	6.50	45H	Hago		150	--	--	3/4	100%
					HF	7.00	45H	Hago						
PF-513	801CRD	10"	49460	3 1/16	LF	6.50	45H	Hago		150	--	--	1	100%
					HF	8.50	45H	Hago						
PFR-513	801CRD	10"	49460	3 1/16	LF	6.50	45H	Hago		150	--	--	1	100%
					HF	8.50	45H	Hago						
PF-514	1050FFD	STD 4" SP	48462	5 5/8	LF	10.00	45SS	Hago		100	--	--	7/8	100%
					2HF	5.00	45SS	Hago						
PFR-514	1050FFD	STD 4" SP	48462	5 5/8	LF	9.00	45SS	Hago		100	--	--	7/8	100%
					2HF	5.00	45SS	Hago						
PF-515	1050FFD	STD 4" SP	48462	5 5/8	LF	10.00	45SS	Hago		100	--	--	1 1/8	100%
					2HF	5.50	45SS	Hago						
PFR-515	1050FFD	STD 4" SP	48462	5 5/8	LF	10.00	45SS	Hago		100	--	--	1 1/8	100%
					2HF	5.50	45SS	Hago						
PF-516	1050FFD	STD 4" SP	48462	5 5/8	LF	11.00	45SS	Hago		100	--	--	1 3/8	100%
					2HF	5.50	45SS	Hago						
PFR-516	1050FFD	STD 4" SP	48462	5 5/8	LF	11.00	45SS	Hago		100	--	--	1 3/8	100%
					2HF	5.50	45SS	Hago						
PF-517	1150FFD	STD 4" SP	48512	6	LF	12.00	45SS	Hago		100	--	--	3/4	75%
					2HF	6.00	45SS	Hago						
PFR-517	1150FFD	STD 4" SP	48512	6	LF	12.00	45SS	Hago		100	--	--	3/4	75%
					2HF	6.00	45SS	Hago						
PF-518	1150FFD	STD 4" SP	48512	6	LF	12.00	45SS	Hago		100	--	--	7/8	85%
					HF	6.50	45SS	Hago						
PFR-518	1150FFD	STD 4" SP	48512	6	LF	12.00	45SS	Hago		100	--	--	7/8	85%
					2HF	6.50	45SS	Hago						
PF-519	1150FFD	STD 4" SP	48512	6	LF	13.00	45SS	Hago		100	--	--	15/16	95%
					2HF	7.00	45SS	Hago						
PFR-519	1150FFD	STD 4" SP	48512	6	LF	13.00	45SS	Hago		100	--	--	15/16	95%
					2HF	7.00	45SS	Hago						

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Burnham (U.S. Boiler) cont'd

PF-520	1150FFD	STD 4" SP	48512	6	LF	14.00	45SS	Hago		100	--	--	1	100%
					HF	7.00	45SS	Hago						
					HF	7.50	45SS	Hago						
PFR-520	1150FFD	STD 4" SP	48512	6	LF	14.00	45SS	Hago		100	--	--	1	100%
					2HF	7.00	45SS	Hago						
PF-521	1150FFD	STD 4" SP	48512	6	LF	15.00	45SS	Hago		100	--	--	1 1/8	100%
					HF	7.00	45SS	Hago						
					HF	7.50	45SS	Hago						
PFR-521	1150FFD	STD 4" SP	48512	6	LF	15.00	45SS	Hago		100	--	--	1 1/8	100%
					HF	7.00	45SS	Hago						
					HF	7.50	45SS	Hago						

RS-AH85	EZ-1HP	5" EZ-1	N/A	1 1/2	0.65	60W	Delavan	60A	Delavan	140	EZ-1	0.60/0.65	1	0.50 (30%)
RS-A85	EZ-1HP	5" EZ-1	N/A	1 1/2	0.75	60A	Delavan	60W	Delavan	140	EZ-1	0.75	2	0.60 (35%)
RS-AE110	EZ-1HP	5" EZ-1	N/A	1 1/2	0.50	60W	Delavan	60A	Delavan	140	EZ-1	0.50	0	0.40 (25%)

RS-AH110	EZ-1HP	5" EZ-1	N/A	1 1/2	0.85	60W	Delavan	60A	Delavan	140	EZ-1	0.85/1.00	3	0.60 (35%)
RS-A110	EZ-1HP	5" EZ-1	N/A	1 1/2	0.90	60W	Delavan	60A	Delavan	140	EZ-1	0.85/1.00	3	0.75 (45%)
RS-AE125	EZ-1HP	5" EZ-1	N/A	1 1/2	0.60	60A	Delavan	60W	Delavan	140	EZ-1	0.60/0.65	1	0.50 (30%)
RS-AH125	EZ-1HP	5" EZ-1	N/A	1 1/2	0.90	60A	Delavan	60W	Delavan	140	EZ-1	0.85/1.00	3	0.65 (40%)
RS-A125	EZ-1HP	5" EZ-1	N/A	1 1/2	1.10	60A	Delavan	60W	Delavan	140	EZ-1	1.10/1.25	4	0.90 (55%)
RS-AE135	EZ-1HP	5" EZ-1	N/A	1 1/2	0.65	60W	Delavan	60A	Delavan	140	EZ-1	0.60/0.65	1	0.60 (35%)
RS-AH135	EZ-1HP	5" EZ-1	N/A	1 1/2	1.10	60A	Delavan	60W	Delavan	140	EZ-1	1.10/1.25	4	0.85 (50%)
RS-A135	EZ-1HP	5" EZ-1	N/A	1 1/2	1.20	60W	Delavan	60A	Delavan	140	EZ-1	1.10/1.25	4	0.85 (50%)

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

V172	EZ-1	5" EZ-1	84822	1 3/4	0.60	60A	Delavan		100	EZ-1	0.60/0.65	1	0.60
V13	EZ-1	5" EZ-1	84822	1 3/4	0.75	60A	Delavan		100	EZ-1	0.75	2	0.75
V196	EZ-1	5" EZ-1	84822	1 3/4	0.85	60A	Delavan		100	EZ-1	0.85/1.00	3	0.85
V14	EZ-1	5" EZ-1	84822	1 3/4	1.00	60A	Delavan		100	EZ-1	0.85/1.00	3	1.00
V15	EZ-1	5" EZ-1	84822	1 3/4	1.35	60A	Delavan		100	EZ-1	1.35/1.50	5	1.35
V16	EZ-2	5" EZ-2/3	84830	1 3/4	1.65	60A	Delavan		100	EZ-2	1.65/1.75	5	1.65
V17	EZ-2	5" EZ-2/3	84830	1 3/4	1.75	60A	Delavan		100	EZ-2	1.65/1.75	5	1.75
V18	EZ-2	5" EZ-2/3	84830	1 3/4	2.00	60A	Delavan		100	EZ-2	2.00	5.5	2.00

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

V172	EZ-1	5" EZ-1	84822	1 3/4	0.50	60A	Delavan		145	EZ-1	0.60/0.65	1	0.60 (35%)
V13	EZ-1	5" EZ-1	84822	1 3/4	0.60	60A	Delavan		155	EZ-1	0.75	2	0.75 (45%)
V196	EZ-1	5" EZ-1	84822	1 3/4	0.65	60A	Delavan		170	EZ-1	0.85/1.00	3	0.85 (50%)
V14	EZ-1	5" EZ-1	84822	1 3/4	0.85	60A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (60%)
V15	EZ-1	5" EZ-1	84822	1 3/4	1.10	60A	Delavan		150	EZ-1	1.35/1.50	5	1.35 (75%)
V16	EZ-2	5" EZ-2/3	84830	1 3/4	1.35	60A	Delavan		150	EZ-2	1.65/1.75	5	1.65 (25%)
V17	EZ-2	5" EZ-2/3	84830	1 3/4	1.35	60A	Delavan		170	EZ-2	1.65/1.75	5	1.75 (35%)
V18	EZ-2	5" EZ-2/3	84830	1 3/4	1.65	60A	Delavan		145	EZ-2	2.00	5.5	2.00 (50%)

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

V13RO/FO	99FRD	4" WS	N/A	1 3/4	0.75	60AR	Monarch		100	blank	--	2	42% ¹
V14RO/FO	99FRD	4" WS	N/A	1 3/4	1.00	60AR	Monarch		100	blank	--	3	60% ¹
V172	99FRD	5" WS	47050	1 3/4	0.60	60AR	Monarch		100	blank	--	1-2	34% ¹
V13	99FRD	5" WS	47050	1 3/4	0.75	60AR	Monarch		100	blank	--	2	42% ¹
V196	99FRD	5" WS	47050	1 3/4	0.85	60AR	Monarch		100	blank	--	2-3	50% ¹
V14	99FRD	5" WS	47050	1 3/4	1.00	60AR	Monarch		100	blank	--	3	60% ¹

¹ Single slot air band.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Size	Nozzle		Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
						Type	Mfr				GPH	Pos.	
Burnham (U.S. Boiler) cont'd													
V15	99FRD	5" WS	47050	1 3/4	1.35	60R	Monarch		100	blank	--	4-5	45%
V16	99FRD	5" WS	47050	1 3/4	1.65	60R	Monarch		100	blank	--	6	60%
V17	99FRD	5" WS	47050	1 3/4	1.75	60R	Monarch		100	blank	--	6-7	65%
V18	99FRD	5" WS	47050	1 3/4	2.00	60R	Monarch		100	blank	--	8-9	80%
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
V13RO/FO	99FRD	4" WS	N/A	1 3/4	0.60	60AR	Monarch		155	blank	--	2	42% ¹
V14RO/FO	99FRD	4" WS	N/A	1 3/4	0.85	60AR	Monarch		140	blank	--	3	60% ¹
V172	99FRD	5" WS	47050	1 3/4	0.50	60AR	Monarch		145	blank	--	1-2	34% ¹
V13	99FRD	5" WS	47050	1 3/4	0.60	60AR	Monarch		155	blank	--	2	42% ¹
V196	99FRD	5" WS	47050	1 3/4	0.65	60AR	Monarch		170	blank	--	2-3	50% ¹
V14	99FRD	5" WS	47050	1 3/4	0.85	60AR	Monarch		140	blank	--	3	60% ¹
V15	99FRD	5" WS	47050	1 3/4	1.10	60R	Monarch		150	blank	--	4-5	45%
V16	99FRD	5" WS	47050	1 3/4	1.35	60R	Monarch		150	blank	--	6	60%
V17	99FRD	5" WS	47050	1 3/4	1.35	60R	Monarch		170	blank	--	6-7	65%
V18	99FRD	5" WS	47050	1 3/4	1.65	60R	Monarch		145	blank	--	8-9	80%
¹ Single slot air band.													
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
V33	99FRD	5" WS	N/A	1 3/4	1.00	70B	Delavan		100	blank	--	1	30%
V34	99FRD	5" WS	N/A	1 3/4	1.50	70B	Delavan		100	blank	--	3	45%
V35	99FRD	5" WS	N/A	1 3/4	2.00	70B	Delavan		100	blank	--	7	45%
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
V33	99FRD	5" WS	N/A	1 3/4	0.85	70B	Delavan		140	blank	--	1	30%
V34	99FRD	5" WS	N/A	1 3/4	1.20	70B	Delavan		155	blank	--	3	45%
V35	99FRD	5" WS	N/A	1 3/4	1.65	70B	Delavan		145	blank	--	7	45%
V36	102CRD	5" B	N/A	1 3/4	2.50	60P	Hago		100	open	--	5	100%
V36	201CRD	7"	N/A	1 3/4	2.50	60B	Delavan		100	--	--	1/4	20%
V37	201CRD	7"	N/A	1 3/4	3.00	45P	Hago		100	--	--	3/8	30%
V38	201CRD	7"	N/A	1 3/4	3.50	45P	Hago		100	--	--	1/2	40%
V-713	EZ-1HP	5" EZ-1	8484801	1 7/8	0.65	70A	Delavan	70W Delavan	140	EZ-1	0.60/0.65	1	0.65 (40%)
V-714	EZ-1HP	5" EZ-1	8484801	1 7/8	1.00	60A	Delavan	60B Hago	140	EZ-1	0.85/1.00	3	1.00 (65%)
V-73	EZ-1HP	5" EZ-1	8484801	1 7/8	0.85	60A	Delavan	60B Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
V-74	EZ-1HP	5" EZ-1	8484801	1 7/8	1.10	60B	Delavan	70B Delavan	150	EZ-1	1.10/1.25	4	1.10 (75%)
V-75	EZ-1HP	5" EZ-1	8484801	1 7/8	1.35	60B	Delavan	60ES Hago	150	EZ-1	1.35/1.50	5	1.35 (95%)
V-76WR	EZ-1HP	5" EZ-1	8484801	1 7/8	1.00	60B	Delavan	60ES Hago	150	EZ-1	0.85/1.00	3	1.00 (75%)
V-76	102CRD-3	5" B	97714	1 7/8	1.65	60B	Delavan	60SS Hago	140	3 slot	--	2	40%
V-77	102CRD-3	5" B	97714	1 7/8	1.75	60B	Delavan	60SS Hago	140	3 slot	--	3	30%
V-78	102CRD-3	5" B	97714	1 7/8	2.00	60B	Delavan	70B Delavan	140	3 slot	--	5	40%
V-79	102CRD-3	5" B	97714	1 7/8	2.25	70B	Delavan	60B Delavan	140	3 slot	--	9	100%
V8H2W	EZ-1HP	7" EZ-1 ²	51163	1 7/8	0.50	60A	Delavan	60H Hago	150	blank	0.50	0	0.45 (25%)
V8H3S	EZ-1HP	7" EZ-1 ²	51163	1 7/8	0.60	60B	Delavan	60B Hago	150	blank	0.60/0.65	1	0.55 (40%)
V8H3W	EZ-1HP	7" EZ-1 ²	51163	1 7/8	0.85	70B	Delavan	60A Delavan	150	blank	0.85/1.00	3	0.70 (55%)
V8H4S	EZ-1HP	7" EZ-1 ²	51163	1 7/8	0.85	60B	Delavan	60B Hago	150	blank	0.85/1.00	3	0.75 (55%)
V8H4W	EZ-1HP	7" EZ-1 ²	51163	1 7/8	1.10	60B	Delavan	60B Hago	150	blank	1.10/1.25	4	1.15 (80%)
V8H5S	EZ-1HP	7" EZ-1 ²	51163	1 7/8	1.10	60B	Delavan	60B Hago	150	blank	1.10/1.25	4	0.90 (65%)
V8H5W	EZ-1HP	7" EZ-1 ²	51163	1 7/8	1.35	60B	Delavan	60B Hago	150	EZ-1	1.35/1.50	5	1.35 (95%)
² For 5" air tube use part number 8484801.													

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Burnham (U.S. Boiler) cont'd

V8H6S	EZ-2HP	7" EZ-2 ⁵	51164	1 7/8	1.35	60A	Delavan	60B Hago	140	EZ-2	1.50	4	1.75 (100%)
V8H6W	EZ-66	7" WS - R	99861B	1 7/8	1.65	60B	Delavan	60B Hago	140	blank	--	4-6	100%
V87	102CRD-3	7" B ⁶	51165	1 7/8	1.75	60B	Delavan	60B Hago	140	3 slot	--	3	50%
V88	102CRD-3	7" B ⁶	51165	1 7/8	2.00	60B	Delavan	60B Hago	140	3 slot	--	4	60%
V89	102CRD-3	7" B ⁶	51165	1 7/8	2.25	70B	Delavan	70A Delavan	140	3 slot	--	5	100%

⁵ For 5" air tube use part number 98377.

⁶ For 5" air tube use part number 97714.

V82	EZ-1HP	5" EZ-1	8484801	1 7/8	0.50	60A	Delavan	60H Hago	150	EZ-1	0.50	0	0.45 (25%)
V83-W	EZ-1HP	5" EZ-1	8484801	1 7/8	0.85	60B	Delavan	60B Hago	150	EZ-1	0.85/1.00	3	0.80 (60%)
V83-S	EZ-1HP	5" EZ-1	8484801	1 7/8	0.60	60B	Delavan	60B Hago	150	EZ-1	0.60/0.65	1	0.55 (40%)
V84-W	EZ-1HP	5" EZ-1	8484801	1 7/8	1.10	60B	Delavan	60B Hago	150	EZ-1	1.10/1.25	4	0.90 (65%)
V84-S	EZ-1HP	5" EZ-1	8484801	1 7/8	0.85	60B	Delavan	60A Delavan	150	EZ-1	0.85/1.00	3	0.75 (55%)
V85-W	EZ-1HP	5" EZ-1	8484801	1 7/8	1.35	60B	Delavan	60B Hago	150	EZ-1	1.35/1.50	5	1.20 (85%)
V85-S	EZ-1HP	5" EZ-1	8484801	1 7/8	1.10	60B	Delavan	60B Hago	150	EZ-1	1.10/1.25	4	0.90 (65%)
V86-W	EZ-2HP	5" EZ-2/3	98377	1 7/8	1.65	60A	Delavan	60B Delavan	140	EZ-2	2.00	5.5	1.80 (100%)
V86-S	EZ-2HP	5" EZ-2/3	98377	1 7/8	1.35	60A	Delavan	60B Delavan	140	EZ-2	1.50	4	1.75 (100%)
V87	102CRD-3	5" B	97714	1 7/8	1.75	60B	Delavan	60B Hago	140	3 slot	3	--	50%
V88	102CRD-3	5" B	97714	1 7/8	2.00	60B	Delavan	60B Hago	140	3 slot	4	--	60%
V89	102CRD-3	5" B	97714	1 7/8	2.25	70B	Delavan	70A Delavan	140	3 slot	5	--	100%

V903	102CRD-3	7" B	93278	4	2.75	60SS	Hago	60A Delavan	100	open	--	5	100%
V904	301CRD	8" B	91991	4	3.00	80SS	Hago	70A Delavan	150	--	--	3/16	60%
V905	301CRD	8" B	91991	4	3.75	80SS	Hago	70A Delavan	150	--	--	5/16	100%
V906	301CRD	8" C	91918	4	4.50	60H	Hago	70A Delavan	150	--	--	1/4	100%
V907	702CRD	10"	49304	4	4.00	70B	Delavan		100/300	--	--	3/16	1/4
V908	702CRD	10"	49304	4	4.50	70B	Delavan		100/300	--	--	1/4	1/4
V909	702CRD	10"	49304	4	5.00	70B	Delavan		100/300	--	--	3/8	3/8
V910	702CRD	10"	49304	4	6.00	70B	Delavan		100/300	--	--	1/2	7/16
V911	702CRD	10"	49304	4	6.50	60PLP	Monarch		100/300	--	--	11/16	1/2
V912	801CRD	10"	49445	4	LF 5.50 HF 5.00	45H 45H	Hago Hago		150	--	--	1/2	1/8

V903A	301CRD	8" B	98147	4 1/8	2.50	80B	Delavan	80SS Hago	150	--	--	1/4	60%
V904A	301CRD	8" B	98147	4 1/8	3.50	80SS	Hago	80B Delavan	150	--	--	1/2	100%
V905A	301CRD	8" C	98148	4 1/8	4.50	80SS	Hago	70SS Hago	150	--	--	3/4	100%
V906A	702CRD	10"	98149	4 1/8	4.00	60P	Hago	60B Delavan	100/300	--	--	7/32	1/2
V907A	702CRD	10"	98149	4 1/8	5.00	60P	Hago	60B Delavan	100/300	--	--	1/2	1/2
V908A	702CRD	10"	98149	4 1/8	5.50	60P	Hago	70P Hago	100/300	--	--	3/4	1/2
V909A	801CRD	10"	98150	4 1/8	LF 5.50 HF 4.00	45H 45H	Hago Hago	45A Delavan 45A Delavan	150	--	--	1/4	1/4
V910A	801CRD	10"	98150	4 1/8	LF 6.50 HF 4.50	45B 45B	Hago Hago		150	--	--	9/16	1/4
V911A	801CRD	10"	98150	4 1/8	(2) 6.00	45H	Hago		150	--	--	5/8	3/8
V912A	801CRD ¹	10"	98150	4 1/8	LF 7.00 HF 6.50	45B 45B	Hago Hago		150	--	--	3/4	1/2

V1105	702CRD	10"	97979	4	4.50	60B	Delavan		100/300	--	--	9/16	1/2
V1106	702CRD	10"	97979	4	5.50	60B	Delavan		100/300	--	--	9/16	1/2
V1107	801CRD	10"	97980	4	LF 5.50 HF 4.50	45B 45B	Delavan Delavan		150	--	--	1/8	1/2

¹ Burner is an 801CRD with an 1150FFD fan and motor.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Burnham (U.S. Boiler) cont'd

V1108	801CRD	10"	97980 ³	4	(2)	5.50	45H	Hago		150	--	--	1/2	1/2
V1109	801CRD	10"	97980 ³	4	(2)	6.00	45H	Hago		150	--	--	3/4	1/2
V1110	1050FFD	STD 4" SP	97981 ³	6	LF	9.00	45SS	Hago		100	--	--	1/4	1/8
					HF	3.75	45SS	Hago						
V1111	1050FFD	STD 4" SP	97981 ³	6	LF	9.00	45SS	Hago		100	--	--	7/16	11/16
					2HF	4.50	45SS	Hago						
V1112	1050FFD ²	STD 4" SP	97981 ³	6	LF	9.00	45SS	Hago		100	--	--	3/8	9/16
					2HF	5.50	45SS	Hago						
V1113	1050FFD ²	STD 4" SP	97981 ³	6	LF	9.00	45SS	Hago		100	--	--	9/16	1/2
					HF	6.00	45SS	Hago						
					HF	6.50	45SS	Hago						
V1114	1150FFD	STD 4" SP	97986 ³	6	LF	12.00	45SS	Hago		100	--	--	0	1/4
					HF	5.50	45SS	Hago						
					HF	6.00	45SS	Hago						
V1115	1150FFD	STD 4" SP	97986 ³	6	LF	12.00	45SS	Hago		100	--	--	1/8	1/2
					HF	6.50	45SS	Hago						
					HF	7.00	45SS	Hago						
V1116	1150FFD	STD 4" SP	97986 ³	6	LF	12.00	45SS	Hago		100	--	--	3/8	1/2
					HF	7.50	45SS	Hago						
V1117	1150FFD	STD 4" SP	97986 ³	6	LF	12.00	45SS	Hago		100	--	--	5/8	1/2
					HF	8.50	45SS	Hago						

² Burner is a 1050FFD with an 1150FFD fan and motor.

³ For burners with UV control add UV to air tube part number.

Class Boilers

CL375	EZ-1HP	4" EZ-1	50926	4		0.60	60W	Delavan	60AS	Danfoss	150	blank	0.60/0.65	1	0.60 (45%)
CL4100	EZ-1HP	4" EZ-1	50926	4		0.85	45B	Delavan	60W	Delavan	150	blank	0.85/1.00	3	0.85 (65%)
CL5125	EZ-1HP	4" EZ-1	50926	4		1.00	60B	Delavan	60B	Delavan	150	blank	0.85/1.00	3	1.00 (75%)
CL6150	EZ-1HP	4" EZ-1	50926	4		1.25	45B	Delavan	60B	Delavan	150	blank	1.10/1.25	4	1.25 (95%)

Columbia Boiler

Casco Bay Series														
CBX 90WC	EZ-1HP	5" EZ-1	97379	1 3/4	0.75	60B	Delavan	45B	Delavan	150	blank	0.75	2	0.75 (55%)
CBX 100WC	EZ-1HP	5" EZ-1	97379	1 3/4	0.85	60B	Delavan	45W	Delavan	150	blank	0.85/1.00	3	0.85 (65%)
CBX 110WC	EZ-1HP	5" EZ-1	97379	1 3/4	0.90	60B	Delavan	60W	Delavan	150	blank	0.85/1.00	3	0.85 (65%)
CBX 125WC	EZ-1HP	5" EZ-1	97379	1 3/4	1.00	60B	Delavan	60W	Delavan	150	blank	0.85/1.00	3	1.00 (75%)
CBX 90WC-DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.75	60B	Delavan	60W	Delavan	150	Air Boot	0.75	2	0.75 (55%)
CBX 100WC-DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.85	60B	Delavan	60W	Delavan	150	Air Boot	0.85/1.00	3	0.85 (65%)
CBX 110WC-DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.90	60B	Delavan	60W	Delavan	150	Air Boot	0.85/1.00	3	1.10 (75%)
CBX 125WC-DV	EZ-1HP	5" EZ-1	97379	1 3/4	1.00	60B	Delavan	60W	Delavan	150	Air Boot	0.85/1.00	3	1.10 (75%)
CSFH3085	EZ-1HP	7" EZ-1	95869	2 1/2	0.75	70B	Delavan	70A	Delavan	130	blank	0.75	2	45%
CSFH3100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A	Delavan	140	blank	0.85/1.00	3	55%
CSFH4100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A	Delavan	140	blank	0.85/1.00	3	52%
CSFH4125	EZ-1HP	7" EZ-1	95869	2 1/2	1.00	70B	Delavan	70A	Delavan	155	blank	0.85/1.00	3	70%
CSFH4145	EZ-1HP	7" EZ-1	95869	2 1/2	1.20	70B	Delavan	70B	Hago	145	blank	1.10/1.25	4	78%
CSFH5160	EZ-2HP	7" EZ-1	95869	2 1/2	1.35	70B	Delavan	70AS	Danfoss	140	3 slot	0.85/1.00	3	20%
CSFH5185	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	70B	Delavan	70AS	Danfoss	155	3 slot	1.50	4	30%
CSFH6175	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	60B	Delavan	60B	Hago	140	3 slot	1.50	4	35%
CSFH6210	EZ-2HP	7" EZ-1	95869	2 1/2	1.75	70AS	Danfoss	60ES	Hago	130	4 slot	1.65/1.75	4.5	65%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Columbia Boiler cont'd

CT6	99FRD	7" STD	99677	4 3/4	1.65	60B	Hago	60B Delavan	150	open	--	4	80%
CT10	201CRD	9"	99675	4 3/4	2.50	60P	Hago	60B Delavan	150	--	--	9/16	30%
CT15	301CRD	8" C	71035	4 3/4	3.75	60P	Hago	60H Hago	150	--	--	7/8	70%
CT20	702CRD	10"	99424	4 3/4	3.50	60P	Hago	60B Delavan	100/300	--	--	1/4	1/4
CT25	702CRD	10"	99424	4 3/4	4.50	60P	Hago	60B Delavan	100/300	--	--	3/8	7/16
CT35	702CRD	10"	99424	4 3/4	6.00	60P	Hago	60B Delavan	100/300	--	--	1 1/4	5/8
EM-85	EZ-1HP	5" EZ-1	N/A	2	0.65	70A	Delavan	70W Delavan	140	EZ-1	0.60/0.65	1	0.65 (40%)
EM-100	EZ-1HP	5" EZ-1	N/A	2	0.75	70A	Delavan	70W Delavan	140	EZ-1	0.75	2	0.65 (40%)
EM-110	EZ-1HP	5" EZ-1	N/A	2	0.85	70A	Delavan	70W Delavan	140	EZ-1	0.85/1.00	3	0.75 (45%)
EM-125	EZ-1HP	5" EZ-1	N/A	2	1.00	60ES	Hago	70A Delavan	140	EZ-1	0.85/1.00	3	0.85 (50%)
EM-135	EZ-1HP	5" EZ-1	N/A	2	1.10	60B	Delavan	60B Hago	140	EZ-1	1.10/1.25	4	1.00 (65%)
EM-150	EZ-1HP	5" EZ-1	N/A	2	1.25	60B	Delavan	60B Hago	140	EZ-1	1.10/1.25	4	1.25 (70%)
EM-165	EZ-1HP	5" EZ-1	N/A	2	1.35	60B	Delavan	60B Hago	140	EZ-1	1.35/1.50	5	1.35 (95%)
EM-175	EZ-2HP	5" EZ-2/3	N/A	2	1.50	70A	Delavan	70W Delavan	140	EZ-2	1.50	4	1.50 (15%)
EM-200	EZ-2HP	5" EZ-2/3	N/A	2	1.65	70A	Delavan	70W Delavan	140	EZ-2	1.65/1.75	4.5	1.65 (25%)
HS1000	201CRD	7"	48769	1 3/4	4.00	70B	Delavan		100	--	--	11/16	90%
20HRT	301CRD	8" C	49031	3 1/4	5.00	60B	Delavan		150	--	--	1/2	100%
30HRT	601CRD	10"	N/A	5	7.50	45H	Hago		150	--	--	1/2	65%
40HRT	601CRD	10"	N/A	5	9.50	45H	Hago		150	--	--	7/8	100%
40HRT	701CRD	10"	N/A	4 3/4	LF 5.50 HF 5.00	45H 45H	Hago Hago		150	--	--	1	5/8
60HRT	801CRD	10"	49403	4 3/4	LF 6.50 HF 8.50	45H 45H	Hago Hago		150	--	--	7/8	1/2
70HRT	1050FFD	STD 4" SP	48462	5 5/8	LF 9.00 2HF 6.00	45SS 45SS	Hago Hago		100	--	--	13/16	1/2
100HRT	1150FFD	STD 4" SP	N/A	6	LF 14.00 2HF 8.00	45SS 45SS	Hago Hago		100	--	--	11/16	7/16
WL60	301CRD	8" C	49031	3 1/4	5.00	60B	Delavan		150	--	--	1/2	100%
WL90	601CRD	10"	N/A	5	7.50	45H	Hago		150	--	--	3/4	65%
WL120	601CRD	10"	N/A	5	9.50	45H	Hago		150	--	--	1 1/4	100%
WL120	801CRD	10"	49403	4 3/4	LF 5.50 HF 4.00	45H 45H	Hago Hago		150	--	--	5/16	1/4
WL140	801CRD	10"	49403	4 3/4	LF 6.00 HF 5.50	45H 45H	Hago Hago		150	--	--	5/8	3/8
WL180	801CRD	10"	49403	4 3/4	LF 6.50 HF 8.50	45H 45H	Hago Hago		150	--	--	1 1/4	1/2
CWH1510	801CRD	10"	49403	4 3/4	LF 5.50 HF 4.50	45H 45H	Hago Hago		150	--	--	1/16	1/4
CHS 800	102CRD	5" B	48553	1 5/8	3.00	60B	Delavan		100	open	--	9	100%
CHS 900	102CRD	5" B	48553	1 5/8	3.25	60B	Delavan		100	open	--	10	100%
GEM86	100CRD	5" STD	N/A	2 1/4	0.60	60A	Delavan		145	blank	--	0	45%
GEM103	100CRD	5" STD	N/A	2 1/4	0.85	60A	Delavan		140	blank	--	1	100%
GEM120	100CRD	5" STD	N/A	2 1/4	0.90	60A	Delavan		150	blank	--	1	100%
GEM137	100CRD	5" STD	N/A	2 1/4	1.00	60A	Delavan		155	blank	--	2	100%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Columbia Boiler cont'd

GEM160	100CRD	5" STD	N/A	2 1/4	1.20	60A	Delavan		155	open	--	4	100%
GEM175	100CRD	5" STD	N/A	2 1/4	1.35	60A	Delavan		150	open	--	6	100%
GEM190	100CRD	5" STD	N/A	2 1/4	1.35	60A	Delavan		170	open	--	7	100%
GEM198	100CRD	5" STD	N/A	2 1/4	1.65	60A	Delavan		145	open	--	6	100%
TE91	100CRD	5" STD	N/A	2 1/4	0.60	60A	Delavan		155	blank	--	0	45%
TE122	100CRD	5" STD	N/A	2 1/4	0.85	60A	Delavan		140	blank	--	1	100%
TE153	100CRD	5" STD	N/A	2 1/4	1.00	60A	Delavan		155	blank	--	2	100%

CRC Enviromental

105	EZ-1HP	11" EZ-1	97632	7 3/4"	0.65	30A	Delavan		140	EZ-1	0.60/0.65	1	0.65 (40%)
125	EZ-1HP	11" EZ-1	97632	7 3/4"	0.75	30A	Delavan		140	EZ-1	0.75	2	1.00 (65%)

Crown Boiler Company

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

BD91	EZ-1	5" EZ-1	84889	2 1/4	0.75	60A	Delavan	60ES Hago	100	EZ-1	0.75	2	0.75
BD120	EZ-1	5" EZ-1	84889	2 1/4	1.00	60A	Delavan	60H Hago	100	EZ-1	0.85/1.00	3	1.00
BD151	EZ-1	5" EZ-1	84889	2 1/4	1.25	60A	Delavan	60SS Hago	100	EZ-1	1.10/1.25	4	1.25
BD178	EZ-1	5" EZ-1	84889	2 1/4	1.50	70B	Delavan	60ES Hago	100	EZ-1	1.35/1.50	5	1.50
BD211	EZ-2	5" EZ-2/3	85928	2 1/4	1.75	60SS	Hago	60W Delavan	100	EZ-2	1.65/1.75	5	1.75
BD238	EZ-2	5" EZ-2/3	85928	2 1/4	2.00	60SS	Hago	60W Delavan	100	EZ-2	2.00	5.5	2.00

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

BD91	EZ-1	5" EZ-1	84889	2 1/4	0.60	60A	Delavan	60ES Hago	155	EZ-1	0.75	2	0.75 (45%)
BD120	EZ-1	5" EZ-1	84889	2 1/4	0.80	60A	Delavan	60H Hago	140	EZ-1	0.85/1.00	3	1.00 (60%)
BD151	EZ-1	5" EZ-1	84889	2 1/4	1.00	60A	Delavan	60SS Hago	155	EZ-1	1.10/1.25	4	1.25 (70%)
BD178	EZ-1	5" EZ-1	84889	2 1/4	1.20	70B	Delavan	60ES Hago	155	EZ-1	1.35/1.50	5	1.50 (80%)
BD211	EZ-2	5" EZ-2/3	85928	2 1/4	1.35	60SS	Hago	60W Delavan	170	EZ-2	1.65/1.75	5	1.75 (35%)
BD238	EZ-2	5" EZ-2/3	85928	2 1/4	1.65	60SS	Hago	60W Delavan	145	EZ-2	2.00	5.5	2.00 (50%)
BDS80	EZ-1HP	5" EZ-1	84889	2 1/4	0.55	70B	Delavan		150	EZ-1	0.50	0	0.50 (30%)
BDS92	EZ-1HP	5" EZ-1	84889	2 1/4	0.65	60B	Delavan		150	EZ-1	0.60/0.65	1	0.60 (45%)
BDS111	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60B	Delavan		150	EZ-1	0.75	2	0.75 (55%)
BDS119	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60B	Delavan		150	EZ-1	0.85/1.00	3	0.80 (60%)
BDS147	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan		150	EZ-1	0.85/1.00	3	0.90 (65%)
BDS150	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan		150	EZ-1	0.85/1.00	3	0.90 (65%)
BDS178	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan		150	EZ-1	1.10/1.25	4	1.25 (95%)
BDS209	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60B	Delavan		150	EZ-2	1.50	4	1.65 (20%)
BDS236	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.65	60B	Delavan		150	EZ-2	1.65/1.75	4.5	1.95 (45%)
CSHB 60 - 90	EZ-1HP	5" EZ-1	99408	4 1/2	0.50	70A	Delavan		150	blank	0.50	0	0.40 (25%)
					0.60	70A	Delavan		150	blank	0.60/0.65	1	0.40 (25%)
					0.75	70A	Delavan		150	blank	0.75	2	0.50 (30%)
CLB/ HB 68-112B CHC 68-96C	EZ-1HP	6.5" EZ-1	98625	5 7/8	0.50	60A	Delavan		140	blank	0.50	0	0.45 (25%)
					0.65	60A	Delavan		140	blank	0.60/0.65	1	0.60 (35%)
					0.75	60A	Delavan		140	blank	0.75	2	0.65 (40%)
					0.85	60A	Delavan		140	blank	0.85/1.00	3	0.65 (40%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Crown Boiler Company cont'd

FWZ-081	EZ-LF ¹	7" - 12D	50989	2 5/8	0.60	60AS	Danfoss		175	blank	2-4 @ 2	2	45%
FWZ-100	EZ-LF	7" - 12D	50989	2 5/8	0.75	60B	Hago		175	blank	2-4 @ 2	2	35%
FWZ-130	EZ-LF	7" - 12D	50989	2 5/8	1.00	45B	Hago		175	blank	2-4 @ 3	3	45%
FWZ-160	EZ-66	7" WS	51198	2 5/8	1.35	45B	Hago		140	blank	4-6 @ 5	5	60%
ODV-75	EZ-1HPV ²	5" EZ-1	98660	2 1/4	0.65	70W	Delavan		150	Air Boot	0.75	2	0.65 (50%)
ODV-100	EZ-1HPV ²	5" EZ-1	98660	2 1/4	0.85	60A	Delavan		150	Air Boot	0.85/1.00	3	0.85 (65%)
ODV-125	EZ-1HPV ²	5" EZ-1	98660	2 1/4	1.00	60A	Delavan		150	Air Boot	1.10/1.25	4	1.00 (75%)
¹ Burner requires a 28 hole blender on access cover													
² Burner is equipped with an extended air inlet ring.													
TWB/ KSB 075	EZ-1HP	5" EZ-1	84889	2 1/4	0.60	60W	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
TWB/ KSB 100	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60B	Hago		150	blank	0.85/1.00	3	0.70 (55%)
TWB/ KSB 125	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60A	Delavan		150	blank	0.85/1.00	3	1.00 (75%)
TWB/ KSB 150	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan		150	blank	1.10/1.25	4	1.25 (95%)
TWZ065 (3 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	0.55	60A	Delavan	60ES Hago	150	blank	0.50	0	0.50 (30%)
TWZ075 (3 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	0.60	60A	Delavan	60ES Hago	150	blank	0.60/0.65	1	0.60 (45%)
TWZ100 (3 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60A	Delavan	60ES Hago	150	blank	0.85/1.00	3	0.70 (55%)
TWZ090 (4 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60A	Delavan	60ES Hago	150	blank	0.75	2	0.75 (55%)
TWZ125 (4 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60A	Delavan	60ES Hago	150	blank	0.85/1.00	3	1.00 (75%)
TWZ150 (4 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan	60B Hago	150	blank	1.10/1.25	4	1.25 (95%)
TWZ120 (5 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60A	Delavan	60ES Hago	150	blank	0.85/1.00	3	0.90 (65%)
TWZ175 (5 sec.)	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60A	Delavan	60ES Hago	150	EZ-2	1.50	4	2.00 (100%)
TWZ200 (5 sec.)	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.65	60A	Delavan	60ES Hago	150	EZ-2	2.00	5.5	2.25 (100%)

Dettson Industries

AMP-098	EZ-LF ¹	7" EZ-1	50859	2 3/8	0.50	60H	Danfoss		150	blank	0.60/0.65	1	20%
					0.55	60H	Danfoss		165	blank	0.60/0.65	1	30%
AMP-112	EZ-LF	7" - 12D	50860	2 3/8	0.55	70A	Delavan	70B Hago	155	blank	0.60/0.65	1	20%
					0.65	70A	Delavan	70B Delavan	155	blank	0.75	2	21%

¹ AMP-098 burner requires a 36 hole blender on access cover

Dunkirk Radiator

3E.60	EZ-1HP	5" EZ-1	84889	2 1/4	0.50	60B	Delavan	70B Delavan	150	EZ-1	0.50	0	0.50 (30%)
3E.75	EZ-1HP	5" EZ-1	84889	2 1/4	0.60	60W	Delavan	70B Delavan	150	EZ-1	0.60/0.65	1	0.60 (45%)
3E1.00	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	70B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
4E.90	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60B	Delavan	60W Delavan	150	EZ-1	0.75	2	0.75 (55%)
4E1.25	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	3	1.00 (75%)
4E1.50	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan	60W Delavan	150	EZ-1	1.10/1.25	4	1.25 (95%)
5E1.20	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	70B	Delavan	70B Hago	150	EZ-1	0.85/1.00	3	1.00 (75%)
5E1.75	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	70W	Delavan		150	EZ-2	1.50	4	1.50 (15%)
5E2.00	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.65	70W	Delavan		150	EZ-2	1.65/1.75	4.5	1.65 (25%)
3EWC0.80	EZ1-HP	5" EZ-1	84889	2 1/4	0.65	60W	Delavan	70A Delavan	150	blank	0.60/0.65	1	50%
4EWC1.00	EZ1-HP	5" EZ-1	84889	2 1/4	0.85	60B	Delavan	60A Delavan	150	blank	0.85/1.00	3	60%
4EWC1.25	EZ1-HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60W Delavan	150	blank	0.85/1.00	3	75%
5EWC1.35	EZ1-HP	5" EZ-1	84889	2 1/4	1.10	60B	Delavan	60S Steinen	150	blank	1.10/1.25	4	75%
5EWC1.55	EZ1-HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan	45W Delavan	155	blank	1.10/1.25	4	90%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Dunkirk Radiator cont'd

EXC-3067	EZ-LF Select ¹	7" · 12D	50887	3	0.55	70B	Delavan		150	blank	-	0.5	40% ³
EXC-4098	EZ-LF Select ¹	7" · 12D	50887	3	0.85	70B	Delavan	70S Steinen	150	blank	-	2.5	75%
EXC-5123	EZ-1 Select	7" EZ-1	50284	3	0.90	70W	Delavan	70A Delavan	190	blank	-	3	75%
EXC-6154	EZ-1 Select	7" EZ-1	50284	3	1.10	45W	Delavan	70W Delavan	200	EZ-1	-	5	90%

¹ Burner equipped with a 36 hole blender

³ Single slot air band

EXC-5 and EXC-6 burners are equipped with a 2-step pump with 2 second time delay

3EW0.65	EZ-1HP	5" EZ-1	84889	2 1/4	0.55	70B	Delavan	60W Delavan	150	EZ-1	0.50	0	0.50 (30%)
3EW0.75	EZ-1HP	5" EZ-1	84889	2 1/4	0.65	60B	Delavan	60W Delavan	150	EZ-1	0.60/0.65	1	0.60 (45%)
3EW1.00	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	3	0.80 (60%)
4EW0.90	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60B	Delavan	60W Delavan	150	EZ-1	0.75	2	0.75 (55%)
4EW1.25	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	3	0.90 (65%)
4EW1.50	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan	60W Delavan	150	EZ-1	1.10/1.25	4	1.25 (95%)
5EW1.20	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	3	0.90 (65%)
5EW1.75	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60B	Delavan	60W Delavan	150	EZ-2	1.50	4	1.65 (25%)
5EW2.00	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.65	70B	Delavan	60W Delavan	150	EZ-2	1.65/1.75	4.5	1.95 (45%)

3ES1.00	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	70W	Delavan	70A Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
3ES1.25	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	70W	Delavan	70A Delavan	150	EZ-1	0.85/1.00	3	1.00 (75%)
3ES1.50	EZ-1HP	5" EZ-1	84889	2 1/4	1.10	70W	Delavan	70A Delavan	150	EZ-1	1.10/1.25	4	1.10 (75%)
4ES1.50	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.25	60A	Delavan	60W Delavan	150	EZ-2	1.10/1.25	4	1.65 (25%)
4ES1.65	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.35	60A	Delavan	60W Delavan	150	EZ-2	1.50	4	1.65 (25%)
4ES1.85	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60A	Delavan	60W Delavan	150	EZ-2	1.50	4	2.00 (50%)

Excelsior Series

EXB4075 †	EZ-LF Select	7" 12D	51629	4 9/16	0.60	60B	Delavan		160	blank	--	1	22%
EXB4090 †	EZ-LF Select	7" 12D	51629	4 9/16	0.75	70A	Delavan		145	blank	--	2	28%
EXB5100 †	EZ-LF Select	7" 12D	51629	4 9/16	0.75	45B	Delavan		175	blank	--	2	36%
EXB5120 †	EZ-LF Select	7" 12D	51629	4 9/16	1.00	60A	Delavan		150	blank	--	3	40%
EXB6130 †*	EZ-LF Select	7" 12D	51629	4 9/16	1.00	70B	Delavan		170	blank	--	3	50%
EXB6145 †*	EZ-LF Select	7" 12D	51629	4 9/16	1.10	70B	Delavan		175	blank	--	4	50%

Pre 2021 below

EXB4075	EZ-LF	7" 12D	50887	3	0.60	60AS	Danfoss	60A Delavan	160	blank	0.60/0.65	1	25%
EXB4095	EZ-LF	7" 12D	50887	3	0.75	45W	Delavan	45AB Danfoss	160	blank	0.75	2	35%
EXB4110	EZ-LF	7" 12D	50887	3	0.85	60A	Delavan	60W Delavan	165	blank	0.75	2	50%
EXB5100	EZ-LF	7" 12D	50887	3	0.75	60B	Hago	60B Delavan	175	blank	0.75	2	35%
EXB5115	EZ-LF	7" 12D	50887	3	0.85	45A	Delavan	45AB Danfoss	180	blank	0.85/1.00	3	40%
EXB5135	EZ-LF	7" 12D	50887	3	1.10	60AB	Danfoss	60W Delavan	150	blank	1.10/1.25	4	45%

† Burner equipped with 6 slot retention ring and stainless steel extension on air tube

* Burners use 2-step pump with 2 second time delay

Dynatherm Boiler Manufacturing

FP-18	EZ-1HP	7" EZ-1	99411	3	0.55	45B	Hago	45B Delavan	150	blank	0.50	0	0.60 (45%)
					0.60	45B	Hago	45B Delavan	150	blank	0.60/0.65	1	0.65 (50%)
					0.75	45B	Hago	45B Delavan	150	blank	0.75	2	0.75 (55%)
FP-24	EZ-1HP	7" EZ-1	99411	3	0.75	45B	Hago	45B Delavan	150	blank	0.75	2	0.75 (55%)
					0.85	45B	Hago	45B Delavan	150	blank	0.85/1.00	3	0.85 (65%)
					1.10	45B	Hago	45B Delavan	150	blank	1.10/1.25	4	1.10 (75%)
FP-36	EZ-1HP	7" EZ-1	99411	3	1.00	45B	Hago	45SS Hago	150	blank	0.85/1.00	3	1.15 (80%)
					1.10	45B	Hago	45SS Hago	150	blank	1.10/1.25	4	1.15 (80%)
					1.25	45B	Hago	45B Delavan	150	blank	1.35/1.50	5	1.20 (85%)
FP-48	EZ-66	11" WS	99563B	3	1.50	30B	Delavan	30B Hago	150	blank	7	--	70%
					1.65	30B	Delavan	30B Hago	150	blank	7	--	100%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Dynatherm Boiler Manufacturing cont'd

FP-18-DV	EZ-1HP	7" EZ-1	99411	3	0.55	45B	Hago	45B Delavan	150	Air Boot	0.60/0.65	1	0.45 (25%)
					0.60	45B	Hago	45B Delavan	150	Air Boot	0.75	2	0.55 (40%)
					0.75	45B	Hago	45B Delavan	150	Air Boot	0.85/1.00	3	0.65 (50%)
FP-24-DV	EZ-1HP	7" EZ-1	99411	3	0.75	45B	Hago	45B Delavan	150	Air Boot	0.85/1.00	3	0.65 (50%)
					0.85	45B	Hago	45B Delavan	150	Air Boot	1.10/1.25	4	0.85 (65%)
					1.10	45B	Hago	45B Delavan	150	Air Boot	1.35/1.50	5	1.15 (80%)
FP-36-DV	EZ-1HP	7" EZ-1	99411	3	1.00	45B	Hago	45SS Hago	150	Air Boot	1.10/1.25	4	1.20 (85%)
					1.10	45B	Hago	45SS Hago	150	Air Boot	1.35/1.50	5	1.20 (85%)
					1.25	45B	Hago	45B Delavan	150	Air Boot	1.65	6	1.60 (100%)

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

18	99FRD	5" WS	47563	3	0.65	45Q	Steinen		100	blank	--	0	15%
18,24	99FRD	5" WS	47563	3	0.85	45Q	Steinen		100	blank	--	1	25%
18,24	99FRD	5" WS	47563	3	1.00	45Q	Steinen		100	blank	--	2	30%
24,36	99FRD	5" WS	47563	3	1.25	45Q	Steinen		100	blank	--	2	50%
36	99FRD	5" WS	47563	3	1.35	45Q	Steinen		100	blank	--	2	55%
36,42	99FRD	5" WS	47563	3	1.50	45Q	Steinen		100	blank	--	2	70%
42	99FRD	5" WS	47563	3	1.65	45Q	Steinen		100	blank	--	3	75%
42	99FRD	5" WS	47563	3	1.75	45Q	Steinen		100	blank	--	3	80%

**ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

18	99FRD	5" WS	47563	3	0.55	0.55	45B Hago		150	blank	--	0	45%
18,24	99FRD	5" WS	47563	3	0.85	0.75	45B Hago		150	blank	--	2	55%
18,24	99FRD	5" WS	47563	3	1.00	0.85	45B Hago		150	blank	--	3	65%
24,36	99FRD	5" WS	47563	3	1.25	1.10	45B Hago		150	blank	--	4	75%
36	99FRD	5" WS	47563	3	1.35	1.10	45B Steinen		150	blank	--	4	80%
36,42	99FRD	5" WS	47563	3	1.50	1.25	45B Hago		150	blank	--	5	85%
42	99FRD	5" WS	47563	3	1.65	1.65	45Q Steinen		100	blank	--	3	75%
42	99FRD	5" WS	47563	3	1.75	1.75	45Q Steinen		100	blank	--	3	80%

Energy Kinetics

Ascent Boiler														
EK-1T	EZ-1HP	4" EZ-1	50759	2 3/8	0.75	60A	Delavan		130	EZ-1	0.75	2	50%	
					**	0.85	60A	Delavan		135	EZ-1	0.85/1.00	3	55%
						1.00	60B	Delavan		185	EZ-1	0.85/1.00	3	70%
** Ascent factory settings														
EK-1	EZ-1HP	4" EZ-1	50759	2 3/8	0.60	60B	Delavan	60W Delavan	130	EZ-1	0.50	0	40%	
					*	0.65	70W	Delavan	70AB Danfoss	130	EZ-1	0.60/0.65	1	45%
					†	0.75	60A	Delavan	70AB Danfoss	130	EZ-1	0.60/0.65	1	50%
						0.85	70W	Delavan	70AH Danfoss	135	EZ-1	0.85/1.00	3	55%
EK-2	EZ-1HP	4" EZ-1	50759	2 3/8	1.00	60B	Delavan	70B Delavan	145	EZ-1	0.85/1.00	3	70%	
					†	1.25	60B	Delavan	60B Hago	125	EZ-1	1.10/1.25	4	65%
						1.35	45W	Delavan	45AB Danfoss	140	EZ-1	1.35/1.50	5	90%
						1.35	45W	Delavan	60A Delavan	170	3 slot	1.35/1.50	5	90%
* Resolute factory settings † Frontier factory settings														
EK-1	99FRD	9" STD	99216	2 3/8	0.60	60A	Delavan		130	blank	--	1	25% ¹	
						0.65	60A	Delavan		130	blank	--	1	35% ¹
						0.75	60A	Delavan		130	blank	--	1.5	45% ¹
						0.85	60A	Delavan		136	blank	--	2.5	60% ¹

¹ Single slot air band.

¹ Single slot air band.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Energy Kinetics cont'd

EK-2	99FRD	9" STD	99218	2 3/8	1.00	60B	Delavan		145	blank	--	2.5	55%
					1.25	60B	Delavan		125	blank	--	3	55%
					1.35	60B	Delavan		140	blank	--	4	60%
					1.50	60B	Delavan		135	blank	--	4.5	80%
Freedom	EZ-1HP	9" EZ-1	99213DF	2 3/8	0.75	70A	Delavan		140	EZ-1	0.75	2	0.75 (45%)

Enerjet Corporation

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

OA-075	EZ-1	7" EZ-1	97823	1 1/2	0.75	70W	Delavan	60A Delavan	100	EZ-1	0.75	2	0.75
OA-105	EZ-1	7" EZ-1	97823	1 1/2	1.00	60A	Delavan	60W Delavan	100	EZ-1	0.85/1.00	3	1.00
OA-130	EZ-1	7" EZ-1	97823	1 1/2	1.25	60A	Delavan	60W Delavan	100	EZ-1	1.10/1.25	4	1.25
OA-150	EZ-1	7" EZ-1	97823	1 1/2	1.50	60B	Delavan	60W Delavan	100	EZ-1	1.35/1.50	5	1.50
OA-170	EZ-1	7" EZ-1	97823	1 1/2	1.65	70B	Delavan	70A Delavan	100	EZ-1	1.65	6	1.65
OA-200	102CRD-3	7" B	97835	1 1/8	2.00	60W	Delavan	60B Delavan	100	3 slot	--	4	60%
OA-225	102CRD-3	7" B	97835	1 1/8	2.25	60W	Delavan	60B Delavan	100	3 slot	--	6	60%

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

OA-075	EZ-1	7" EZ-1	97823	1 1/2	0.60	70W	Delavan	60A Delavan	155	EZ-1	0.75	2	0.75 (45%)
OA-105	EZ-1	7" EZ-1	97823	1 1/2	0.85	60A	Delavan	60W Delavan	140	EZ-1	0.85/1.00	3	1.00 (60%)
OA-130	EZ-1	7" EZ-1	97823	1 1/2	1.00	60A	Delavan	60W Delavan	155	EZ-1	1.10/1.25	4	1.25 (70%)
OA-150	EZ-1	7" EZ-1	97823	1 1/2	1.20	60B	Delavan	60W Delavan	155	EZ-1	1.35/1.50	5	1.50 (80%)
OA-170	EZ-1	7" EZ-1	97823	1 1/2	1.35	70B	Delavan	70A Delavan	150	EZ-1	1.65	6	1.65 (85%)
OA-200	102CRD-3	7" B	97835	1 1/8	1.65	60W	Delavan	60B Delavan	145	3 slot	--	4	60%
OA-225	102CRD-3	7" B	97835	1 1/8	1.75	60W	Delavan	60B Delavan	165	3 slot	--	6	60%

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

OB-083	EZ-1	7" EZ-1	97823	1 1/2	0.65	70B	Delavan		100	blank	0.60/0.65	1	0.65
OB-121	EZ-1	7" EZ-1	97823	1 1/2	1.00	70B	Delavan		100	blank	0.85/1.00	3	1.00
OB-148	EZ-1	7" EZ-1	97823	1 1/2	1.25	70B	Delavan		100	blank	1.10/1.25	4	1.25
OB-196	EZ-1	7" EZ-1	97823	1 1/2	1.65	70B	Delavan		100	blank	1.65	6	1.65
OB-257	102CRD-3	7" B	97835	1 1/8	2.00	60W	Delavan		100	3 slot	--	4	40%

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

OB-083	EZ-1	7" EZ-1	97823	1 1/2	0.55	70B	Delavan		140	blank	0.60/0.65	1	0.65 (40%)
OB-121	EZ-1	7" EZ-1	97823	1 1/2	0.85	70B	Delavan		140	blank	0.85/1.00	3	1.00 (60%)
OB-148	EZ-1	7" EZ-1	97823	1 1/2	1.00	70B	Delavan		155	blank	1.10/1.25	4	1.25 (70%)
OB-196	EZ-1	7" EZ-1	97823	1 1/2	1.35	70B	Delavan		150	blank	1.65	6	1.65 (85%)
OB-257	102CRD-3	7" B	97835	1 1/8	1.65	60W	Delavan		145	3 slot	--	4	40%

¹ EZ-1 burner may be equipped with a 5" air tube. OEM air tube # 98038

Fleetline Products Ltd.

Aqua-Matic Series Boiler

100	EZ-1HP	5" EZ-1	98707	2 1/2	0.65	60W	Delavan	See Note ¹	160	Air Boot	0.60/0.65	1	0.65 (50%)
120	EZ-1HP	5" EZ-1	98707	2 1/2	0.75	60W	Delavan	See Note ¹	160	Air Boot	0.60/0.65	1	0.75 (55%)
150	EZ-1HP	5" EZ-1	98707	2 1/2	0.85	60W	Delavan	See Note ¹	160	Air Boot	0.85/1.00	3	0.85 (60%)
180	EZ-1HP	5" EZ-1	98707	2 1/2	1.10	60W	Delavan	See Note ¹	160	Air Boot	1.10/1.25	4	1.10 (75%)

¹ Alternate nozzle selections: Hago B, Danfoss B, or Monarch R.

Ford Products

CF-30F	EZ-1	5" EZ-1	N/A	3 5/8	0.55	60ES	Hago		140	EZ-1	0.60/0.65	1	0.65 (40%)
CF-50F	EZ-1	5" EZ-1	N/A	3 5/8	0.60	60ES	Hago		155	EZ-1	0.75	2	0.75 (45%)
CF-30F	32WH	4" STD	N/A	3 5/8	0.55	60H	Hago		140	blank	0	--	45%
CF-50F	32WH	4" STD	N/A	3 5/8	0.60	60H	Hago		155	blank	0	--	45%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Ford Products cont'd

CL84	EZ-1	9" EZ-1	N/A	6 1/2	0.60	60SS	Hago		155	EZ-1	0.75	2	0.75 (45%)
CL95	EZ-1	9" EZ-1	N/A	6 1/2	0.60	60SS	Hago		170	EZ-1	0.85/1.00	3	0.85 (50%)
CL112	EZ-1	9" EZ-1	N/A	6 1/2	0.85	60SS	Hago		140	EZ-1	0.85/1.00	3	1.00 (60%)
CL140	EZ-1	9" EZ-1	N/A	6 1/2	1.00	60SS	Hago		155	EZ-1	1.10/1.25	4	1.25 (70%)
CL84S	EZ-1	9" EZ-1	N/A	6 1/2	0.60	60A	Delavan		155	EZ-1	0.75	2	0.75 (45%)
CL95S	EZ-1	9" EZ-1	N/A	6 1/2	0.65	60A	Delavan		170	EZ-1	0.85/1.00	3	0.85 (50%)
CL112S	EZ-1	9" EZ-1	N/A	6 1/2	0.85	60A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (60%)
FD95A	EZ-1	7" EZ-1	N/A	4 1/2	1.00	60SS	Hago		100	EZ-1	0.85/1.00	3	1.00
FD110A	EZ-1	7" EZ-1	N/A	4 1/2	1.10	60SS	Hago		100	EZ-1	1.10/1.25	4	1.10
FD125A	EZ-1	7" EZ-1	N/A	4 1/2	1.35	60SS	Hago		100	EZ-1	1.35/1.50	5	1.35
FD175A	EZ-1	7" EZ-1	N/A	4 1/2	1.50	60SS	Hago		100	EZ-1	1.35/1.50	5	1.50
FD95A	99FRD	7" STD	N/A	4 1/2	1.00	60A	Delavan		100	blank	1	--	30%
FD110A	99FRD	7" STD	N/A	4 1/2	1.10	60A	Delavan		100	blank	1	--	40%
FD125A	99FRD	7" STD	N/A	4 1/2	1.35	60A	Delavan		100	blank	2	--	60%
FD175A	99FRD	7" STD	N/A	4 1/2	1.50	60A	Delavan		100	blank	2	--	70%
SP100	EZ-1	7" EZ-1	N/A	5 3/4	0.65	60SS	Hago		170	EZ-1	0.85/1.00	3	0.85 (50%)
SP112	EZ-1	7" EZ-1	N/A	5 3/4	0.85	60SS	Hago		140	EZ-1	0.85/1.00	3	1.00 (60%)
LM-70	EZ-1	5" EZ-1	N/A	2 5/8	0.50	60W	Delavan		150	EZ-1	0.50	0	0.50 (30%)
LM-100	EZ-1	5" EZ-1	N/A	2 5/8	0.75	45B	Delavan		150	EZ-1	0.75	2	0.75 (55%)
RCG30	32WH	7" STD	N/A	5 7/8	0.60	60H	Hago		155	blank	--	0	45%
RCG50	32WH	7" STD	N/A	5 7/8	1.00	60SS	Hago		145	blank	--	4	70%
320CF	32WH	7" STD	N/A	5	0.55	60H	Hago		140	blank	--	0	35%
FG3016	32WH	7" STD	N/A	5 7/8	0.60	60H	Hago		170	blank	--	0	45%
FG5018	32WH	7" STD	N/A	5 7/8	1.00	60SS	Hago		145	blank	--	4	70%
280-OCM	102CRD-3	7" B	N/A	6	2.00	60SS	Hago		100	open	--	2	25%
420-OCM	102CRD-3	7" B	N/A	6	3.00	60SS	Hago		100	open	--	8	100%
560-OCM	102CRD	7" C	N/A	6 5/16	3.25	60SS	Hago		150	open	--	6	80%
630-OCM	201CRD	7" STD	N/A	6 5/16	3.75	60SS	Hago		150	--	--	3/4	65%
WOL140	100CRD	9" STD	N/A	6 3/4	1.00	60SS	Hago		155	blank	--	5	90%
WOL185	100CRD	9" STD	N/A	6 3/4	1.35	60SS	Hago		150	blank	--	6	100%
WOL224	100CRD	9" STD	N/A	6 3/4	1.65	60SS	Hago		145	open	--	7	100%
WOS-112	100CRD	9" STD	N/A	6 3/4	0.85	60SS	Hago		140	blank	--	4	50%
WOH/WOL84	100CRD	4" STD	N/A	3 5/8	0.60	60H	Hago		155	blank	--	4	30%
WOH95	100CRD	4" STD	N/A	3 5/8	0.65	60H	Hago		170	blank	--	4	40%
WOH/WOL112	100CRD	4" STD	N/A	3 5/8	0.85	60SS	Hago		140	blank	--	4	50%

FW Webb PurePro

TRIO MAX/ MAX H2O													
PROM3(T)	EZ-1 Select	11" EZ-1	51697	4 3/4	0.85	70B	Delavan	70S Steinen	150	blank	--	2	40%
	EZ-1 Select	11" EZ-1	51697	4 3/4	0.90	70B	Delavan		160	blank	--	2	45%
PROM4(T)	EZ-1 Select	11" EZ-1	51697	4 3/4	1.00	70B	Delavan	60S Steinen	155	blank	--	3	45%
	EZ-1 Select	11" EZ-1	51697	4 3/4	1.10	70B	Delavan		160	blank	--	3	50%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

FW Webb PurePro cont'd

PROM5(T)	EZ-1 Select	11" EZ-1	51697	4 3/4	1.25	60B	Delavan	60S Steinen	150	blank	--	4	50%
	EZ-1 Select	11" EZ-1	51697	4 3/4	1.35	60B	Delavan		170	blank	--	4	60%
PROM6(T)	EZ-1 Select	11" EZ-1	51697	4 3/4	1.50	45B	Delavan		150	blank	--	5	65%
PROM3(T)-DV	EZ-1 Select	11" EZ-1	51697	4 3/4	0.85	70B	Delavan	70S Steinen	150	blank	--	2	40%
PROM4(T)-DV	EZ-1 Select	11" EZ-1	51697	4 3/4	1.00	70B	Delavan	60S Steinen	155	blank	--	3	45%

PROM5 and PROM6 burners use 2-step pump with 2 second time delay

TRIO

P3	EZ-1 Select	7" EZ-1	99843	3 3/4	0.60	60B	Delavan	60S Steinen	150	blank	--	1	50%
P4	EZ-1 Select	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	45W Delavan	150	blank	--	2	63%
P5	EZ-1 Select	7" EZ-1	99843	3 3/4	1.00	60B	Delavan	60S Steinen	150	blank	--	4	75%
P6	EZ-66	7" WS-R	51663	4	1.10	60W	Delavan	60B Hago	175	3 slot	--	3.5	40%
P7	EZ-66	7" WS-R	51663	4	1.25	60B	Delavan	45B Delavan	175	3 slot	--	4	40%
P8	EZ-66	7" WS-R	51663	4	1.50	60B	Delavan	45B Delavan	175	3 slot	--	4.5	70%
P3-DV	EZ-1 Select	9" EZ-1	50285	3 3/4	0.60	60B	Delavan	60S Steinen	150	blank	--	1	55%
P4-DV	EZ-1 Select	9" EZ-1	50285	3 3/4	0.85	45B	Delavan	60S Steinen	150	blank	--	2	63%
P5-DV	EZ-1 Select	9" EZ-1	50285	3 3/4	1.00	60B	Hago	60S Steinen	150	blank	--	3	95%

Pre 2021 below

P3	EZ-1HP	7" EZ-1	99843	3 3/4	0.60	60W	Delavan	60AS Steinen	150	blank	0.60/0.65	1	0.60 (45%)
P4	EZ-1HP	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	60W Delavan	150	blank	0.85/1.00	3	0.85 (60%)
P5	EZ-1HP	7" EZ-1	99843	3 3/4	1.00	60B	Delavan	60B Delavan	150	blank	0.85/1.00	3	1.00 (75%)
P6	EZ-1HP	7" EZ-1	99843	3 3/4	1.25	45B	Delavan	60B Delavan	150	blank	1.10/1.25	4	1.25 (90%)

P6, P7, and P8 with EZ-66 burner use 2-step pump with 2 second time delay

Advantage

AO-3	EZ-1HP	5" EZ-1	51005	2 1/4	0.55	60A	Delavan	60ES Hago	150	blank	0.50	0	0.50 (30%)
					0.60	60A	Delavan	60ES Hago	150	blank	0.60/0.65	1	0.55 (40%)
					0.85	60A	Delavan	60ES Hago	150	blank	0.85/1.00	3	0.75 (55%)
AO-4	EZ-1HP	5" EZ-1	51005	2 1/4	1.00	60A	Delavan	60ES Hago	150	blank	0.85/1.00	3	0.85 (65%)
					1.25	60A	Delavan	60B Hago	150	blank	1.10/1.25	4	1.15 (80%)
AO-5	EZ-2HP	5" EZ-2	51036	2 1/4	1.50	60A	Delavan	60ES Hago	150	EZ-2	1.50	4	1.75 (35%)
					1.65	60A	Delavan	60ES Hago	150	EZ-2	1.65/1.75	4.5	1.95 (50%)

Giant Factories Inc.

OG32	EZ-1	7" EZ-1	98323	4 3/4	0.60	60A	Delavan	60W Delavan	100	blank	0.60/0.65	1	0.57 (35%)
					0.65	60A	Delavan	60W Delavan	100	blank	0.60/0.65	1	0.57 (35%)
					0.75	60A	Delavan	60W Delavan	100	blank	0.75	2	0.75 (45%)
OG50	EZ-1	7" EZ-1	98323	4 3/4	0.70	60A	Delavan	60W Delavan	100	blank	0.60/0.65	1	0.75 (45%)
					0.75	60A	Delavan	60W Delavan	100	blank	0.75	2	0.70 (45%)
					0.85	60A	Delavan	60W Delavan	100	blank	0.85/1.00	3	0.75 (45%)

Granby Industries

BCL/ BFL/ HTL-100	EZ-1 Select	9" EZ-1	77743	6.38"	0.50	60B	Delavan	60B Hago	125	blank	-	0	30%
					0.50	60B	Delavan	60B Hago	170	blank	-	0	35%
					0.60	60B	Delavan	60W Delavan	155	blank	-	1	50%
BCL/ BFL/ HTL-200	EZ-1 Select	11" EZ-1	77750	9.50"	0.65	60B	Delavan	60W Delavan	170	blank	-	3	55%
					0.75	60B	Delavan	60W Delavan	160	blank	-	3	65%
					0.85	60B	Delavan	60B Hago	170	blank	-	4	65%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Granby Industries cont'd

CB3	EZ-LF Select ¹	7" · 12D	50887	3	0.55	70B	Delavan		150	blank	-	0.5	40% ³
CB4	EZ-LF Select ¹	7" · 12D	50887	3	0.85	70B	Delavan	70S Steinen	150	blank	-	2.5	75%
CB5	EZ-1 Select	7" EZ-1	50284	3	0.90	70W	Delavan	70A Delavan	190	blank	-	3	75%
CB6	EZ-1 Select	7" EZ-1	50284	3	1.10	45W	Delavan	70W Delavan	200	EZ-1	-	5	90%
CB3(DV)	EZ-LF Select ¹	7" · 12D	TBD	4 9/16	0.55	70B	Delavan		150	blank	-	0	35%
CB4(DV)	EZ-1 Select	7" EZ-1	50284	3	0.85	70B	Delavan	60A Delavan	150	blank	-	2.5	75%
CB5(DV)	EZ-1 Select	7" EZ-1	50284	3	0.90	70W	Delavan	70A Delavan	190	blank	-	3	90%
KHM-066	EZ-LF Select ¹	7" EZ-1 ²	51568	3	0.50	70A	Delavan	60W Delavan	125	blank	--	0	25% ³
KHM-078	EZ-LF Select ¹	7" EZ-1 ²	51568	3	0.50	60B	Delavan	60A Delavan	170	blank	--	0	45% ³
KHM-090	EZ-LF Select ¹	7" EZ-1 ²	51568	3	0.60	60B	Delavan	70B Delavan	150	blank	--	0	60% ³
KHM-102	EZ-LF Select ¹	7" EZ-1	99284	2 1/2	0.65	70W	Delavan	70AS Danfoss	170	blank	--	1	40%
KHM-119	EZ-LF Select ¹	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	70AS Danfoss	140	blank	--	3	60%
KHM-132	EZ-LF Select ¹	7" EZ-1	99284	2 1/2	0.90	70A	Delavan		150	blank	--	3	70%
KLF-066	EZ-LF Select ¹	7" EZ-1 ²	51568	3	0.50	60A	Delavan		125	blank	--	0	25% ³
KLF-078	EZ-LF Select ¹	7" EZ-1 ²	51568	3	0.50	60B	Delavan	60W Delavan	170	blank	--	0	60% ³
KLF-090	EZ-LF Select ¹	7" EZ-1 ²	51568	3	0.60	70B	Delavan	70A Delavan	150	blank	--	0	70% ³
KLF-102	EZ-LF Select ¹	7" EZ-1	99284	2 1/2	0.65	70W	Delavan	70AS Danfoss	170	blank	--	1	60%
KLF-119	EZ-LF Select ¹	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	70AS Danfoss	140	blank	--	3	45%
KLF-132	EZ-LF Select ¹	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	45A Delavan	170	blank	--	3	80%
KLR-066	EZ-LF Select ¹	7" EZ-1 ²	51568	3	0.50	70A	Delavan	60W Delavan	125	blank	--	0	25% ³
KLR-078	EZ-LF Select ¹	7" EZ-1 ²	51568	3	0.50	60B	Delavan	60W Delavan	170	blank	--	0	45% ³
KLR-090	EZ-LF Select ¹	7" EZ-1 ²	51568	3	0.60	60B	Delavan	70AS Danfoss	150	blank	--	0	60% ³
KLR-102	EZ-LF Select ¹	7" EZ-1	99284	2 1/2	0.65	70W	Delavan	70AS Danfoss	170	blank	--	1	40%
KLR-119	EZ-LF Select ¹	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	70AS Danfoss	140	blank	--	3	60%
KLR-132	EZ-LF Select ¹	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	45A Delavan	170	blank	--	3	70%

¹ Burner equipped with a 36 hole blender

² Air tube has stainless steel extension

³ Single slot air band

CB-5 and CB-6 burners are equipped with a 2-step pump with 2 second time delay

Grimsby Stove & Furnace

OLG Series	EZ-1	7" EZ-1	9784201	6 3/4		60SS Hago ¹		60ES Hago	100	EZ-1	See Note ²	--	See Note ²
OHG Series	EZ-1	7" EZ-1	9789501	4 5/8		60SS Hago ¹		60ES Hago	100	EZ-1	See Note ²	--	See Note ²
OBC Series	EZ-1	7" EZ-1	97931	4 9/16		60SS Hago ¹		60ES Hago	100	EZ-1	See Note ²	--	See Note ²

¹ Use 60SS Hago for all inputs (alternate nozzle 60ES Hago).

² Match head bar and initial air setting to nozzle size.

Hallmark Furnace

LB/HB 85	EZ-1HP	9" EZ-1	98326	5 3/4	0.65	70W	Delavan	70A Delavan	140	EZ-1	0.60/0.65	1	0.65 (40%)
LB/HB 115	EZ-1HP	9" EZ-1	98326	5 3/4	0.85	70B	Delavan	70W Delavan	140	EZ-1	0.85/1.00	3	0.85 (50%)
LB/HB 145	EZ-1HP	9" EZ-1	98326	5 3/4	1.00	70B	Delavan	70B Hago	140	EZ-1	0.85/1.00	3	1.00 (65%)
LB/HB 160	EZ-1HP	9" EZ-1	98326	5 3/4	1.10	70B	Delavan	70W Delavan	140	EZ-1	1.10/1.25	4	1.10 (70%)

Hearthstone Hydronics

H3	EZ-1HP	5" EZ-1	97847	3	0.50	60A	Delavan	60W Delavan	150	blank	0.50	0	0.50 (30%)
H4	EZ-1HP	5" EZ-1	97847	3	0.65	70B	Delavan	60W Delavan	150	blank	0.60/0.65	1	0.65 (50%)
H5	EZ-1HP	5" EZ-1	97847	3	0.85	60B	Delavan	70B Delavan	150	blank	0.85/1.00	3	0.85 (65%)
H6	EZ-1HP	5" EZ-1	97847	3	1.00	70B	Delavan	70B Hago	150	blank	0.85/1.00	3	1.00 (75%)
H7	EZ-1HP	5" EZ-1	97847	3	1.25	60B	Delavan	60B Hago	150	blank	1.10/1.25	4	1.25 (95%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

HydroTherm Corporation

OR-105	EZ-1HP	5" EZ-1	N/A	1 1/2	0.60	60W	Delavan	60A Delavan	150	EZ-1	0.60/0.65	1	0.60 (45%)
OR-140	EZ-1HP	5" EZ-1	N/A	1 1/2	0.85	60W	Delavan	60A Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
OR-175	EZ-1HP	5" EZ-1	N/A	1 1/2	1.00	60W	Delavan	60A Delavan	150	EZ-1	0.85/1.00	3	1.00 (75%)
OR-210	EZ-1HP	5" EZ-1	N/A	1 1/2	1.25	60W	Delavan	60A Delavan	150	EZ-1	1.10/1.25	4	1.25 (95%)
OR-280	102CRD-3	5" B	4855301	1 1/2	1.65	60SS	Hago	60A Delavan	150	3 slot	3	--	80%
OR-330	102CRD-3	5" B	4855301	1 1/2	2.00	60B	Delavan	60B Hago	150	3 slot	6	--	50%
OR-385	102CRD-3	5" B	4855301	1 1/2	2.25	60SS	Hago	60W Delavan	150	open	6	--	100%

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

WO/WOA120	99FRD	5" WS	47506	1 3/4	0.85	60A	Delavan		100	blank	--	2-3	25%
WO/WOA150	99FRD	5" WS	47506	1 3/4	1.10	60A	Delavan		100	blank	--	3-4	35%
WO/WOA185	99FRD	5" WS	47506	1 3/4	1.35	60B	Delavan		100	blank	--	4-5	45%
WO/WOA225	99FRD	5" WS	47506	1 3/4	1.65	60B	Delavan		100	blank	--	6	60%
WO/WOA260	99FRD	5" WS	47506	1 3/4	1.75	60B	Delavan		100	blank	--	6-7	65%
WO/WOA300	99FRD	5" WS	47506	1 3/4	2.00	60B	Delavan		100	blank	--	8-9	80%
WO/WOA375	102CRD	5" B	48637	1 3/4	2.75	60B	Delavan		100	open	--	8	90%
WO/WOA416	102CRD	5" C	93542	1 3/4	2.50	60B	Delavan		150	open	--	1	60%

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

WO/WOA120	99FRD	5" WS	47506	1 3/4	0.65	60A	Delavan		170	blank	--	2-3	25%
WO/WOA150	99FRD	5" WS	47506	1 3/4	0.90	60A	Delavan		150	blank	--	3-4	35%
WO/WOA185	99FRD	5" WS	47506	1 3/4	1.10	60B	Delavan		150	blank	--	4-5	45%
WO/WOA225	99FRD	5" WS	47506	1 3/4	1.35	60B	Delavan		150	blank	--	6	60%
WO/WOA260	99FRD	5" WS	47506	1 3/4	1.35	60B	Delavan		170	blank	--	6-7	65%
WO/WOA300	99FRD	5" WS	47506	1 3/4	1.65	60B	Delavan		145	blank	--	8-9	80%
WO/WOA375	102CRD	5" B	48637	1 3/4	2.75	60B	Delavan		100	open	--	8	90%
WO/WOA416	102CRD	5" C	93542	1 3/4	2.50	60B	Delavan		150	open	--	1	60%

John Wood Water Heater

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

JW6 F307 400	EZ-1	7" EZ-1	96706	4 3/4	0.65	60A	Delavan	60W Delavan	100	blank	0.60/0.65	1	0.60 (35%)
					0.75	60A	Delavan	60W Delavan	100	blank	0.75	2	0.75 (45%)
JW6F307V 400	EZ-1HP	7" EZ-1	96706	4 3/4	0.50	60B	Delavan		150	blank	0.50	0	0.50 (30%)
JW6 F507 400	EZ-1	7" EZ-1	97928	5 3/4	0.75	60A	Delavan	60W Delavan	100	blank	0.75	2	0.75 (45%)
JW6 F317RF 400	EZ-1	9" EZ-1	96707	7	0.75	60A	Delavan	60AH Danfoss	100	blank	0.75	2	0.75 (45%)
JW6 F517RF 400	EZ-1	9" EZ-1	96707	7	0.85	60A	Delavan	70A Delavan	100	blank	0.85/1.00	3	0.85 (50%)

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

JW6 F307 400	EZ-1	7" EZ-1	96706	4 3/4	0.55	60A	Delavan	60W Delavan	140	blank	0.60/0.65	1	0.60 (35%)
					0.60	60A	Delavan	60W Delavan	155	blank	0.75	2	0.75 (45%)
JW6F307V 400	EZ-1HP	7" EZ-1	96706	4 3/4	0.50	60B	Delavan		150	blank	0.50	0	0.50 (30%)
JW6 F507 400	EZ-1	7" EZ-1	97928	5 3/4	0.60	60A	Delavan	60W Delavan	155	blank	0.75	2	0.75 (45%)
JW6 F317RF 400	EZ-1	9" EZ-1	96707	7	0.60	60A	Delavan	60AH Danfoss	155	blank	0.75	2	0.75 (45%)
JW6 F517RF 400	EZ-1	9" EZ-1	96707	7	0.65	60A	Delavan	70A Delavan	170	blank	0.85/1.00	3	0.85 (50%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

John Wood Water Heater cont'd

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
JW307	EZ-1	7" EZ-1	96706	4 3/4	0.75	60A	Delavan	60H Hago	100	EZ-1	0.75	2	0.75 (45%)
JW307V	EZ-1HP	7" EZ-1	96706	4 3/4	0.50	60B	Hago	60A Delavan	150	EZ-1	0.50	0	0.50 (30%)
JW507	EZ-1	7" EZ-1	97920	5 3/4	1.00	60A	Delavan	60H Hago	100	EZ-1	0.85/1.00	3	1.00 (60%)
JW707	EZ-1	9" EZ-1	97929	7 3/4	1.00	60A	Delavan	60H Hago	100	EZ-1	0.85/1.00	3	1.00 (60%)
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
JW307	EZ-1	7" EZ-1	96706	4 3/4	0.60	60A	Delavan	60H Hago	155	EZ-1	0.75	2	0.75 (45%)
JW307V	EZ-1HP	7" EZ-1	96706	4 3/4	0.50	60B	Hago	60A Delavan	150	EZ-1	0.50	0	0.50 (30%)
JW507	EZ-1	7" EZ-1	97920	5 3/4	0.85	60A	Delavan	60H Hago	140	EZ-1	0.85/1.00	3	1.00 (60%)
JW707	EZ-1	9" EZ-1	97929	7 3/4	0.85	60A	Delavan	60H Hago	140	EZ-1	0.85/1.00	3	1.00 (60%)
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
JW317/327	EZ-1	9" EZ-1	96707	7	0.75	60A	Delavan	60H Hago	100	EZ-1	0.75	2	0.75 (45%)
JW517/527	EZ-1	9" EZ-1	96707	7	0.85	60A	Delavan	60H Hago	100	EZ-1	0.85/1.00	3	0.85 (50%)
JW717/727	EZ-1	9" EZ-1	96707	7	1.00	60A	Delavan	60H Hago	100	EZ-1	0.85/1.00	3	1.00 (60%)
JWF307	EZ-1	7" EZ-1	96706	4 3/4	0.65	60A	Delavan	60H Hago	100	EZ-1	0.60/0.65	1	0.75 (45%)
JWF507	EZ-1	7" EZ-1	97928	5 3/4	0.75	60A	Delavan	60H Hago	100	EZ-1	0.75	2	0.75 (45%)
JWF 657	EZ-1	9" EZ-1	97929	7 3/4	1.00	60A	Delavan	60H Hago	100	blank	0.85/1.00	3	1.25 (70%)
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
JW317/327	EZ-1	9" EZ-1	96707	7	0.60	60A	Delavan	60H Hago	155	EZ-1	0.75	2	0.75 (45%)
JW517/527	EZ-1	9" EZ-1	96707	7	0.60	60A	Delavan	60H Hago	170	EZ-1	0.85/1.00	3	0.85 (50%)
JW717/727	EZ-1	9" EZ-1	96707	7	0.85	60A	Delavan	60H Hago	140	EZ-1	0.85/1.00	3	1.00 (60%)
JWF307	EZ-1	7" EZ-1	96706	4 3/4	0.65	60A	Delavan	60H Hago	140	EZ-1	0.60/0.65	1	0.75 (45%)
JWF507	EZ-1	7" EZ-1	97928	5 3/4	0.60	60A	Delavan	60H Hago	155	EZ-1	0.75	2	0.75 (45%)
JWF 657	EZ-1	9" EZ-1	97929	7 3/4	0.85	60A	Delavan	60H Hago	140	blank	0.85/1.00	3	1.25 (70%)
JW307	100CRD	7" STD	97393	4 3/4	0.60	60A	Delavan		155	blank	--	0-2	45%
JW507	100CRD	7" STD	97394	5 3/4	0.85	60A	Delavan		140	blank	--	2-4	80%
JW707	100CRD	9" STD	97395	7 3/4	0.85	60A	Delavan		140	blank	--	2-4	80%
JW317/327	100CRD	9" STD	97396	7	0.60	60A	Delavan		155	blank	--	0-2	45%
JW517/527	100CRD	9" STD	97396	7	0.60	60A	Delavan		170	blank	--	2-4	60%
JW717/727	100CRD	9" STD	97396	7	1.00	60A	Delavan		155	blank	--	4-6	90%

Kerr Heating Products

K4F	EZ-1HPV ¹	5" EZ-1	98018	1 1/2	0.40	60W	Delavan	60AH Danfoss	150	EZ-1	0.50	0	0.50 (30%)
					0.50	60W	Delavan	60AH Danfoss	150	EZ-1	0.60/0.65	1	0.60 (45%)
					0.60	60W	Delavan	60AH Danfoss	150	EZ-1	0.75	2	0.75 (55%)
¹ Burner is equipped with an extended air inlet ring.													
Comet 145 ²	EZ-1HP	7" EZ-1	98019	5	0.65	60W	Delavan	60AH Danfoss	140	EZ-1	0.60/0.65	1	0.75 (55%)
					0.75	60W	Delavan	60AH Danfoss	140	EZ-1	0.75	2	0.85 (65%)
					0.85	60W	Delavan	60AH Danfoss	140	EZ-1	0.85/1.00	3	1.00 (75%)
					1.00	60W	Delavan	60AH Danfoss	140	EZ-1	0.85/1.00	3	1.25 (95%)
² Direct vent version of boilers use a 60200 15/120 control.													
K6 Summit	EZ-1HP	5" EZ-1	98421	2 1/2	0.75	60A	Delavan	60B Delavan	150	EZ-1	0.60/0.65	1	0.75 (55%)
					0.85	60A	Delavan	60B Delavan	150	EZ-1	0.75	2	0.85 (65%)
K6 Summit	EZ-66	7" WS	98191	2 1/2	0.75	60A	Delavan	70B Hago	150	blank	--	2-4	40%
					0.85	60A	Delavan	70B Hago	150	blank	--	2-4	55%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Kerr Heating Products cont'd

F100-30	EZ-1HP	5" EZ-1	98023	3 1/2	0.50	60B	Delavan		150	EZ-1	0.50	0	0.50 (30%)
F100-35	EZ-1HP	5" EZ-1	98023	3 1/2	0.75	60B	Delavan		150	EZ-1	0.75	2	0.75 (55%)
F100-40	EZ-66	5" WS	97807	3 1/2	0.85	45B	Delavan		150	blank	--	2-4	40%
F100-45	EZ-66	5" WS	97807	3 1/2	1.20	45B	Delavan		150	open	--	2-4	40%
F100-50	EZ-66	5" WS	97807	3 1/2	1.20	45B	Delavan		150	open	--	2-4	30%
F100-55	EZ-66	5" WS	97807	3 1/2	1.50	45B	Delavan		150	open	--	4-6	30%
F100-60	EZ-66	5" WS	97807	3 1/2	1.65	45B	Delavan		150	open	--	6-8	40%

King/ National

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
TDM20	99FRD	9" WS	N/A	N/A	1.75	60SS	Hago		100	open	--	3	25%
TDM25	99FRD	9" WS	N/A	N/A	2.25	60SS	Hago		100	open	--	5	100%
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
TDM20	99FRD	9" WS	N/A	N/A	1.35	60SS	Hago		170	open	--	3	25%
TDM25	99FRD	9" WS	N/A	N/A	1.75	60SS	Hago		165	open	--	5	100%
TDM35	102CRD	9" B	N/A	N/A	3.00	60SS	Hago		100	open	--	9	100%
TDM40	102CRD	9" B	N/A	N/A	3.50	60SS	Hago		100	open	--	11	100%
TDM35	301CRD	8" B	N/A	N/A	3.00	60SS	Hago		150	--	--	3/16	15%
TDM50	301CRD	8" B	N/A	N/A	4.50	45SS	Hago		150	--	--	7/16	70%
TDM55	301CRD	8" B	N/A	N/A	5.00	60H	Hago		150	--	--	1/2	80%
TDM65	301CRD	8" B	N/A	N/A	5.50	60H	Hago		150	--	--	5/8	90%
TDM75	701CRD	12"	N/A	N/A	LF 3.25	60H	Hago		150	--	--	3/16	1/8
					HF 2.25	60H	Hago						
TDM85	701CRD	12"	N/A	N/A	LF 3.50	60SS	Hago		150	--	--	1/4	1/4
					HF 2.50	60SS	Hago						
TDM100	701CRD	12"	N/A	N/A	LF 4.00	60SS	Hago		150	--	--	7/16	1/2
					HF 3.25	60SS	Hago						
TDM125	701CRD	12"	N/A	N/A	LF 5.50	60SS	Hago		150	--	--	5/8	5/8
					HF 3.50	60SS	Hago						
TDM150	801CRD	12"	N/A	N/A	LF 6.50	60SS	Hago		150	--	--	3/16	1/2
					HF 4.50	60SS	Hago						
TDM175	801CRD	12"	N/A	N/A	LF 7.00	60SS	Hago		150	--	--	5/16	1
					HF 5.00	60SS	Hago						
TDM200	801CRD	12"	N/A	N/A	LF 9.00	60SS	Hago		150	--	--	3/4	1
					HF 5.50	60SS	Hago						

Laars Heating Systems

JF-75	EZ-1HP	5" EZ-1	91868	3 3/4	0.60	60ES	Hago		150	EZ-1	0.60/0.65	1	0.60 (45%)
JF-90	EZ-1HP	5" EZ-1	91868	3 3/4	0.75	60ES	Hago		150	EZ-1	0.75	2	0.75 (55%)
JF-125	EZ-1HP	5" EZ-1	91868	3 3/4	1.00	60ES	Hago		150	EZ-1	0.85/1.00	3	1.00 (75%)
MAX/ DMAX-075	EZ-1HP	5" EZ-1	9777402	3 3/4	0.65	60B	Delavan	60SS Hago	150	EZ-1	0.60/0.65	1	0.65 (50%)
MAX/ DMAX-100	EZ-1HP	5" EZ-1	9777402	3 3/4	0.85	60B	Delavan	60SS Hago	150	EZ-1	0.85/1.00	3	0.85 (65%)
MAX/ DMAX-120	EZ-1HP	5" EZ-1	9777402	3 3/4	1.00	60B	Delavan	60ES Hago	150	EZ-1	0.85/1.00	3	1.00 (75%)
MAX/ DMAX-140	EZ-1HP	5" EZ-1	9777402	3 3/4	1.25	60B	Delavan	60B Hago	150	EZ-1	1.10/1.25	4	1.25 (95%)
MAX/ DMAX-165	EZ-1HP	5" EZ-1	9777402	3 3/4	1.35	60B	Delavan	60B Hago	150	EZ-1	1.35/1.50	5	1.25 (95%)

¹ MAX uses a 40200 control. DMAX uses a 60200 15/120 control.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Laars Heating Systems cont'd

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

DBC-85	EZ-1	5" EZ-1	N/A	2 5/8	0.75	60A	Delavan	60ES Hago	100	EZ-1	0.75	2	0.75 (45%)
DBC-100	EZ-1	5" EZ-1	N/A	2 5/8	0.85	60A	Delavan	60ES Hago	100	EZ-1	0.85/1.00	3	0.85 (50%)
DBC-115	EZ-1	5" EZ-1	N/A	2 5/8	1.00	60A	Delavan	60ES Hago	100	EZ-1	0.85/1.00	3	1.00 (60%)
DBC-125	EZ-1	5" EZ-1	N/A	2 5/8	1.10	60B	Delavan	60ES Hago	100	EZ-1	1.10/1.25	4	1.10 (65%)
DBC-140	EZ-1	5" EZ-1	N/A	2 5/8	1.25	60B	Delavan	60ES Hago	100	EZ-1	1.10/1.25	4	1.25 (70%)
DBC-155	EZ-1	5" EZ-1	N/A	2 5/8	1.35	60B	Delavan	60ES Hago	100	EZ-1	1.35/1.50	5	1.35 (75%)
DBC-175	EZ-2	5" EZ-2/3	90860	3 3/4	1.50	60A	Delavan	60ES Hago	100	EZ-2	1.50	4	1.50 (15%)
DBC-200	EZ-2	5" EZ-2/3	90860	3 3/4	1.75	60A	Delavan	60ES Hago	100	EZ-2	1.65/1.75	5	1.75 (35%)
DBC-230	EZ-2	5" EZ-2/3	90860	3 3/4	2.00	60A	Delavan	60ES Hago	100	EZ-2	2.00	5.5	2.00 (50%)
DBC-85	EZ-1	5" EZ-1	N/A	2 5/8	0.60	60A	Delavan	60ES Hago	155	EZ-1	0.75	2	0.75 (45%)
DBC-100	EZ-1	5" EZ-1	N/A	2 5/8	0.65	60A	Delavan	60ES Hago	170	EZ-1	0.85/1.00	3	0.85 (50%)
DBC-115	EZ-1	5" EZ-1	N/A	2 5/8	0.85	60A	Delavan	60ES Hago	140	EZ-1	0.85/1.00	3	1.00 (60%)
DBC-125	EZ-1	5" EZ-1	N/A	2 5/8	0.90	60B	Delavan	60ES Hago	150	EZ-1	1.10/1.25	4	1.10 (65%)
DBC-140	EZ-1	5" EZ-1	N/A	2 5/8	1.00	60B	Delavan	60ES Hago	155	EZ-1	1.10/1.25	4	1.25 (70%)
DBC-155	EZ-1	5" EZ-1	N/A	2 5/8	1.10	60B	Delavan	60ES Hago	150	EZ-1	1.35/1.50	5	1.35 (75%)
DBC-175	EZ-2	5" EZ-2/3	90860	3 3/4	1.20	60A	Delavan	60ES Hago	155	EZ-2	1.50	4	1.50 (15%)
DBC-200	EZ-2	5" EZ-2/3	90860	3 3/4	1.35	60A	Delavan	60ES Hago	170	EZ-2	1.65/1.75	5	1.75 (35%)
DBC-230	EZ-2	5" EZ-2/3	90860	3 3/4	1.65	60A	Delavan	60ES Hago	145	EZ-2	2.00	5.5	2.00 (50%)
DBC-85	100CRD	5" STD	N/A	3 3/4	0.60	60A	Delavan		155	blank	--	1	45%
DBC-100	100CRD	5" STD	N/A	3 3/4	0.65	60A	Delavan		170	blank	--	1	50%
DBC-115	100CRD	5" STD	N/A	3 3/4	0.85	60A	Delavan		140	blank	--	3	70%
DBC-125	100CRD	5" STD	N/A	3 3/4	0.90	60A	Delavan		150	blank	--	3	80%
DBC-140	100CRD	5" STD	N/A	3 3/4	1.00	60A	Delavan		155	blank	--	4	100%
DBC-155	100CRD	5" STD	N/A	3 3/4	1.10	60A	Delavan		150	blank	--	4	100%
HC100	99FRD	5" WS	47597	4	0.75	45R	Monarch		150	blank	--	2	30%
HC125	99FRD	5" WS	47597	4	0.85	45R	Monarch		150	blank	--	2	35%
HC145	99FRD	5" WS	47597	4	1.00	45R	Monarch		150	blank	--	2 1/2	45%
HC175	99FRD	5" WS	47597	4	1.25	45R	Monarch		150	blank	--	3	60%
NP-75	EZ-1HP	5" EZ-1	98246	2 3/4	0.60	60A	Delavan	60W Delavan	150	EZ-1	0.60/0.65	1	0.60 (45%)
NP-85	EZ-1HP	5" EZ-1	98246	2 3/4	0.70	60A	Delavan	60W Delavan	150	EZ-1	0.60/0.65	1	0.70 (55%)
NP-100	EZ-1HP	5" EZ-1	98246	2 3/4	0.85	60A	Delavan	60W Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
NP-110	EZ-1HP	5" EZ-1	98246	2 3/4	0.90	60A	Delavan	60W Delavan	150	EZ-1	0.85/1.00	3	0.90 (65%)
NP-125	EZ-1HP	5" EZ-1	98246	2 3/4	1.00	60A	Delavan	60W Delavan	150	EZ-1	0.85/1.00	3	1.00 (75%)
NP-135	EZ-1HP	5" EZ-1	98246	2 3/4	1.10	60B	Delavan	60W Delavan	150	EZ-1	1.10/1.25	4	1.10 (75%)
NP-150	EZ-1HP	5" EZ-1	98246	2 3/4	1.25	60B	Delavan	60W Delavan	150	EZ-1	1.10/1.25	4	1.25 (95%)
TOC148	99FRD	5" WS	47597	4	1.00	45R	Monarch		150	blank	--	2 1/2	45%
TOC166	99FRD	5" WS	47597	4	1.10	45R	Monarch		150	blank	--	3	55%
TOC203	99FRD	5" WS	47597	4	1.35	45R	Monarch		150	blank	--	4	70%
TRO136	99FRD	5" WS	47597	4	1.00	45R	Monarch		150	blank	--	2 1/2	45%
TRO162	99FRD	5" WS	47597	4	1.10	45R	Monarch		150	blank	--	3	55%
TRO194	99FRD	5" WS	47597	4	1.35	45R	Monarch		150	blank	--	4	70%

Lanair/ Clean Burn

Radiant Heater	EZ-1	4"	50996	1	0.85	45A	Delavan		125/155	blank	--	0 - 2	0.95 (70%)
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Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Neca

B-4	EZ-1HP	5" EZ-1	97847	3	0.65	70B	Delavan	70A Delavan	150	EZ-1	0.60/0.65	1	0.65 (50%)
B-5	EZ-1HP	5" EZ-1	97847	3	0.85	60A	Delavan		150	EZ-1	0.85/1.00	3	0.85 (65%)
B-6	EZ-1HP	5" EZ-1	97847	3	1.00	60B	Delavan		150	EZ-1	0.85/1.00	3	1.00 (75%)
G10-4	EZ-1HP	5" EZ-1	97847	3	0.50	60A	Delavan	60B Delavan	150	EZ-1	0.50	0	0.50 (30%)
G10-4	EZ-1HP	5" EZ-1	97847	3	0.65	60A	Delavan	60B Delavan	150	EZ-1	0.60/0.65	1	0.65 (50%)
G10-5	EZ-1HP	5" EZ-1	97847	3	0.65	60A	Delavan	60W Delavan	150	EZ-1	0.60/0.65	1	0.65 (50%)
G10-5	EZ-1HP	5" EZ-1	97847	3	0.85	60A	Delavan	60W Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
G10-6	EZ-1HP	5" EZ-1	97847	3	0.85	60A	Delavan	70B Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
G10-6	EZ-1HP	5" EZ-1	97847	3	1.00	60B	Delavan	60ES Hago	150	EZ-1	0.85/1.00	3	0.95 (70%)
M4	EZ-1HP	5" EZ-1	95042	1 1/2	0.60	60B	Delavan	60AR Monarch	150	EZ-1	0.60/0.65	1	0.60 (45%)
M5	EZ-1HP	5" EZ-1	95042	1 1/2	0.75	60B	Delavan	60AR Monarch	150	EZ-1	0.75	2	0.75 (55%)
M6	EZ-1HP	5" EZ-1	95042	1 1/2	0.85	60B	Delavan	60AR Monarch	150	EZ-1	0.85/1.00	3	0.85 (65%)
M7	EZ-1HP	5" EZ-1	95042	1 1/2	1.10	60B	Delavan	60AR Monarch	150	EZ-1	1.10/1.25	4	1.10 (75%)
M5	99FRD	5" WS	N/A	1 3/8	0.75	70B	Delavan		150	blank	--	2 1/2	30% ¹
M6	99FRD	5" WS	N/A	1 3/8	0.85	70B	Delavan		150	blank	--	2 1/2	35% ¹
M7	99FRD	5" WS	N/A	1 3/8	1.10	70B	Delavan		150	blank	--	3	60% ¹

¹ Single slot air band.

Newmac

LFR	EZ-1HP	7" EZ-1	9084502	2	0.60	60A	Delavan		150	EZ-1	0.60/0.65	1	0.60 (45%)
LFR-87V	EZ-1HP	7" EZ-1	9084502	2	0.60	60A	Delavan		150	Air Boot	0.60/0.65	1	See Note ¹
NBR	EZ-1HP	7" EZ-1	9786102	3 1/4	0.85	60W	Delavan		150	EZ-1	0.85/1.00	3	0.85 (65%)
NBR-137V	EZ-1HP	7" EZ-1	9786102	3 1/4	0.85	60W	Delavan		150	Air Boot	0.85/1.00	3	See Note ¹

¹ Set burner for 11 to 11 1/2% CO₂.

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

NH3	EZ-1	7" EZ-1	98384	5	0.85	70A	Delavan		100	EZ-1	0.85/1.00	3	0.85 (65%)
NL2	EZ-1	9" EZ-1	9830101	6 7/8	0.85	70A	Delavan		100	EZ-1	0.85/1.00	3	0.85 (65%)
NV2	EZ-1	9" EZ-1	9830101	6 7/8	0.85	70A	Delavan		100	Air Boot	0.85/1.00	3	See Note ¹
NL3	EZ-1	9" EZ-1	9830201	7 7/8	1.25	70A	Delavan		100	EZ-1	1.10/1.25	4	1.25 (95%)
NV3	EZ-1	9" EZ-1	9830201	7 7/8	1.25	70A	Delavan		100	Air Boot	1.10/1.25	4	See Note ¹
NLF, NMR	EZ-1	9" EZ-1	9830201	7 7/8	0.85	70A	Delavan		100	EZ-1	0.85/1.00	3	0.85 (65%)

¹ Set burner for 11 to 11 1/2% CO₂.

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

NH3	EZ-1	7" EZ-1	98384	5	0.65	70A	Delavan		170	EZ-1	0.85/1.00	3	0.85 (65%)
NL2	EZ-1	9" EZ-1	9830101	6 7/8	0.65	70A	Delavan		170	EZ-1	0.85/1.00	3	0.85 (65%)
NV2	EZ-1	9" EZ-1	9830101	6 7/8	0.65	70A	Delavan		170	Air Boot	0.85/1.00	3	See Note ¹
NL3	EZ-1	9" EZ-1	9830201	7 7/8	1.00	70A	Delavan		155	EZ-1	1.10/1.25	4	1.25 (95%)
NV3	EZ-1	9" EZ-1	9830201	7 7/8	1.00	70A	Delavan		155	Air Boot	1.10/1.25	4	See Note ¹
NLF, NMR	EZ-1	9" EZ-1	9830201	7 7/8	0.65	70A	Delavan		170	EZ-1	0.85/1.00	3	0.85 (65%)

¹ Set burner for 11 to 11 1/2% CO₂.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	
New Yorker Boiler													
AP-490U	EZ-1HP	5" EZ-1	98018	1 1/2	0.60	45W	Delavan	60A Delavan	150	blank	0.50	0	0.55 (40%)
AP-590U	EZ-1HP	5" EZ-1	98018	1 1/2	0.85	60W	Delavan	60W Delavan	150	blank	0.85/1.00	3	0.75 (55%)
AP-690U	EZ-1HP	5" EZ-1	98018	1 1/2	0.90	60A	Delavan	60W Delavan	150	blank	0.85/1.00	3	0.70 (55%)
AP-790U	EZ-1HP	5" EZ-1	98018	1 1/2	1.10	60B	Delavan	60W Delavan	150	blank	1.10/1.25	4	1.10 (75%)
CI-HGS-74E	EZ-LF ¹	7" - 12D	50989	2 5/8	0.50	60AS	Danfoss	60B Hago	150	blank	--	1	20%
CI-HGS-101E	EZ-LF ¹	7" - 12D	50989	2 5/8	0.65	60A	Delavan	60B Delavan	150	blank	1	2	70%
CI-HGS-123E	EZ-66	7" CW	50990	2 5/8	0.85	45AS	Danfoss	45B Hago	150	blank	0-2	0-2	40%
CI-HGS-160E	EZ-66	7" CW	50990	2 5/8	1.10	45B	Delavan	45B Hago	150	blank	2-4 @ 3.5	3.5	50%
¹ Burner requires a 28 hole blender on access cover													
FWC-160	EZ-66	7" CW	50990	2 5/8	1.35	45B	Hago		150	blank	4-6 @ 5.5	5.5	60%
CL3-105WE/SE	EZ-1HP	5" EZ-1	51005	2 1/4	0.60	60A	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
CL4-168WE/SE	EZ-1HP	5" EZ-1	51005	2 1/4	1.00	60A	Delavan		150	blank	0.85/1.00	3	1.00 (75%)
CL5-245WE/SE	EZ-2HP	5" EZ-2	51036	2 1/4	1.50	60A	Delavan		150	EZ-2	1.50	4	1.75 (50%)
CL3-091	EZ-1HP	5" EZ-1	84889	2 1/4	0.55	70B	Delavan	60ES Hago	150	blank	0.50	0	0.55 (40%)
CL3-105	EZ-1HP	5" EZ-1	84889	2 1/4	0.60	60A	Delavan	60ES Hago	150	blank	0.60/0.65	1	0.60 (45%)
CL3-140	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60A	Delavan	60ES Hago	150	blank	0.60/0.65	1	0.75 (55%)
CL4-126	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60A	Delavan	60ES Hago	150	blank	0.75	2	0.75 (55%)
CL4-175	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60A	Delavan	60ES Hago	150	blank	0.85/1.00	3	1.00 (75%)
CL4-210	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60A	Delavan	60B Hago	150	blank	1.10/1.25	4	1.25 (95%)
CL5-168	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60ES Hago	150	blank	0.85/1.00	3	0.90 (65%)
CL5-245	EZ-2HP	5" EZ-2	85928	2 1/4	1.50	60A	Delavan	60ES Hago	150	EZ-2	1.50	4	1.75 (35%)
CL-3	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60B	Hago		150	blank	0.85/1.00	3	0.75 (55%)
CL-4	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Hago		150	blank	1.10/1.25	4	1.25 (95%)
CL-5	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Hago		150	blank	0.85/1.00	3	0.90 (65%)
CL-5	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60A	Delavan		150	EZ-2	1.50	4	1.75 (35%)
CL-6	EZ-2HP	5" EZ-2/3	99057	2 1/4	1.50	45AB	Danfoss		150	EZ-2	2.00	5.5	1.45 (10%)
CLS-7	102CRD-3	5" B	99058	1 7/8	1.75	45B	Delavan		140	3 slot	3	--	35%
CLS-8	102CRD-3	5" B	99058	1 7/8	2.00	45B	Delavan		140	3 slot	5	--	55%
CLW-3-S	EZ-1HP	5" EZ-1	99056	1 7/8	0.60	60AB	Danfoss	70W Delavan	150	blank	0.60/0.65	1	0.70 (55%)
CLW-3-W	EZ-1HP	5" EZ-1	99056	1 7/8	0.85	60AB	Danfoss	60W Delavan	150	blank	0.85/1.00	3	1.00 (75%)
CLW-4-S	EZ-1HP	5" EZ-1	99056	1 7/8	0.85	45AB	Danfoss	60W Delavan	150	blank	0.85/1.00	3	0.95 (70%)
CLW-4-W	EZ-1HP	5" EZ-1	99056	1 7/8	1.10	45B	Hago	60W Delavan	150	blank	1.10/1.25	4	1.20 (85%)
CLW-5-S	EZ-1HP	5" EZ-1	99056	1 7/8	1.00	45AB	Danfoss	60W Delavan	150	blank	0.85/1.00	3	0.95 (70%)
CLW-5-W	EZ-1HP	5" EZ-1	99056	1 7/8	1.35	60A	Delavan	60A Delavan	150	blank	1.35/1.50	5	0.90 (65%)
CLW-6-S	EZ-2HP	5" EZ-2/3	99057	1 7/8	1.25	45AB	Danfoss	70A Delavan	150	EZ-2	1.50	4	1.50 (15%)
CLW-6-W	EZ-2HP	5" EZ-2/3	99057	1 7/8	1.65	45B	Hago	60W Delavan	150	EZ-2	2.00	5.5	1.75 (35%)
FR-HGSI	EZ-1HP	5" EZ-1	98853	1 1/2	0.65	70AS	Danfoss	70A Delavan	140	blank	0.60/0.65	1	0.80 (50%)
					0.85	70A	Delavan	70AS Danfoss	140	blank	0.85/1.00	3	0.85 (50%)
FR-HGSII	EZ-1HP	5" EZ-1	98853	1 1/2	1.10	70AS	Danfoss	70B Delavan	140	blank	1.10/1.25	4	1.00 (65%)
FR-98	EZ-1HP	5" EZ-1	98853	1 1/2	0.75	70B	Hago	70B Delavan	140	blank	0.60/0.65	1	0.75 (45%)
FR-98-DV	EZ-1HP	5" EZ-1	98853	1 1/2	0.75	70B	Hago	70B Delavan	140	Air Boot	0.75	2	0.90 (55%)
FR-122	EZ-1HP	5" EZ-1	98853	1 1/2	0.90	70B	Delavan	70W Delavan	140	blank	0.75	2	0.85 (50%)
FR-122-DV	EZ-1HP	5" EZ-1	98853	1 1/2	0.90	70B	Delavan	70W Delavan	140	Air Boot	0.85/1.00	3	0.90 (55%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

New Yorker Boiler

FR-147	EZ-1HP	5" EZ-1	98853	1 1/2	1.00	70B	Delavan	70B Hago	140	blank	0.85/1.00	3	0.90 (55%)
FR-173	EZ-1HP	5" EZ-1	98853	1 1/2	1.25	70B	Delavan	70B Hago	140	blank	1.10/1.25	4	1.35 (95%)
FR-205	EZ-2HP	5" EZ-2/3	98853	1 1/2	1.50	70B	Delavan	70B Hago	140	EZ-2	1.50	4	1.80 (40%)
FR-232	EZ-2HP	5" EZ-2/3	98853	1 1/2	1.65	70B	Delavan	70B Hago	140	EZ-2	1.65/1.75	4.5	2.00 (50%)
FR265	201CRD	9"	48801	4	2.50	60B	Delavan		100	--	--	1/4	20%
FR305	201CRD	9"	48801	4	2.75	60B	Delavan		100	--	--	5/16	25%
FR350	201CRD	9"	48801	4	3.00	60B	Delavan		100	--	--	3/8	30%
FR324	301CRD	6" B	48942	2	2.50	70B	Delavan		150	--	--	1/4	20%
FR453	301CRD	6" C	48926	2	3.50	70B	Delavan		150	--	--	1/8	60%
FD330	201CRD	9"	48801	4	3.00	60B	Delavan		100	--	--	3/8	30%
FD504	301CRD	8" C	48876	4	4.00	70B	Delavan		150	--	--	1/4	90%
FD648	301CRD	8" C	48876	4	5.00	70B	Delavan		150	--	--	1/2	100%
FD792	701CRD	10"	49106	2 1/2	(2)	3.00	60H	Hago	150	--	--	3/8	0
FD1008	701CRD	10"	49106	2 1/2	(2)	4.00	60H	Hago	150	--	--	5/8	1/2
WH504	301CRD	6" C	48926	2	4.00	70B	Delavan		150	--	--	1/4	90%
WH648	301CRD	6" C	48926	2	5.00	70B	Delavan		150	--	--	1/2	100%
CPH504	301CRD	6" C	48926	2	4.00	70B	Delavan		150	--	--	1/4	90%
CPH648	301CRD	6" C	48926	2	5.00	70B	Delavan		150	--	--	1/2	100%

Northern Torino

	EZ-1HP	5" EZ-1	97812	3 1/4	0.60	60A	Delavan		150	EZ-1	0.60/0.65	1	0.60 (45%)
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Northland Boiler

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
DF620	EZ-1	5" EZ-1	N/A	MIN.	1.00	60SS	Hago	60A Delavan	100	EZ-1	0.85/1.00	3	1.00 (75%)
DF790	EZ-1	5" EZ-1	N/A	MIN.	1.20	60SS	Hago	60A Delavan	100	EZ-1	1.10/1.25	4	1.25 (95%)
DF620	EZ-1	5" EZ-1	N/A	MIN.	0.85	60SS	Hago	60A Delavan	140	EZ-1	0.85/1.00	3	1.00 (75%)
DF790	EZ-1	5" EZ-1	N/A	MIN.	1.00	60SS	Hago	60A Delavan	145	EZ-1	1.10/1.25	4	1.25 (95%)
DF620	99FRD	5" WS	N/A	1 1/4	0.85	60ES	Hago		150	blank	--	2-3	25%
DF790	99FRD	5" WS	N/A	1 1/4	1.00	60ES	Hago		150	blank	--	3	30%
CR1-6L	99FRD	5" WS	N/A	1 1/4	0.85	60R	Monarch		150	blank	--	2	40%
CR1-6H	99FRD	5" WS	N/A	1 1/4	1.00	60R	Monarch		150	blank	--	2-3	45%
CR1-7L	99FRD	5" WS	N/A	1 1/4	1.00	60ES	Hago		150	blank	--	2-3	45%
CR1-7H	99FRD	5" WS	N/A	1 1/4	1.10	60ES	Hago		150	blank	--	3	60%
CR1-8L	99FRD	5" WS	N/A	1 1/4	1.10	60R	Monarch		150	blank	--	3	60%
CR1-8H	99FRD	5" WS	N/A	1 1/4	1.25	60R	Monarch		150	blank	--	3	70%

Olsen Furnace

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
BCL 80S	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60W Delavan	100	blank	0.60/0.65	1	0.40 (25%)
BCL 90S	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60W Delavan	100	blank	0.75	2	0.55 (35%)
BCL 100S	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60W Delavan	100	blank	0.85/1.00	3	0.70 (45%)
BCL 120S	EZ-1	7" EZ-1	9888401	6 1/2	1.00	60A	Delavan	60W Delavan	100	blank	0.85/1.00	3	0.75 (45%)
BCL 130S	EZ-1	7" EZ-1	9888401	6 1/2	1.10	60A	Delavan	60W Delavan	100	blank	1.10/1.25	4	0.90 (55%)
BCL 145S	EZ-1	7" EZ-1	9888401	6 1/2	1.20	60A	Delavan	60W Delavan	100	blank	1.10/1.25	4	1.15 (65%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Olsen Furnace cont'd

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
BCL 80S	EZ-1	7" EZ-1	9888401	6 1/2	0.55	60A	Delavan	60W Delavan	140	blank	0.60/0.65	1	0.40 (25%)
BCL 90S	EZ-1	7" EZ-1	9888401	6 1/2	0.60	60A	Delavan	60W Delavan	155	blank	0.75	2	0.55 (35%)
BCL 100S	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60W Delavan	170	blank	0.85/1.00	3	0.70 (45%)
BCL 120S	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60W Delavan	140	blank	0.85/1.00	3	0.75 (45%)
BCL 130S	EZ-1	7" EZ-1	9888401	6 1/2	0.90	60A	Delavan	60W Delavan	150	blank	1.10/1.25	4	0.90 (55%)
BCL 145S	EZ-1	7" EZ-1	9888401	6 1/2	1.00	60A	Delavan	60W Delavan	145	blank	1.10/1.25	4	1.15 (65%)
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
BML-60	EZ-1	7" EZ-1	9888401	6 1/2	0.50	60A	Delavan	60W Delavan	100	blank	0.50	0	0.30 (20%)
BML-80	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60W Delavan	100	blank	0.60/0.65	1	0.50 (30%)
BML-90	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60W Delavan	100	blank	0.75	2	0.60 (35%)
BML-100	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60W Delavan	100	blank	0.85/1.00	3	0.75 (45%)
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
BML-60	EZ-1	7" EZ-1	9888401	6 1/2	0.40	60A	Delavan	60W Delavan	155	blank	0.50	0	0.30 (20%)
BML-80	EZ-1	7" EZ-1	9888401	6 1/2	0.55	60A	Delavan	60W Delavan	140	blank	0.60/0.65	1	0.50 (30%)
BML-90	EZ-1	7" EZ-1	9888401	6 1/2	0.60	60A	Delavan	60W Delavan	155	blank	0.75	2	0.60 (35%)
BML-100	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60W Delavan	170	blank	0.85/1.00	3	0.75 (45%)
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
HML-60B	EZ-1	7" EZ-1	9888401	6 1/2	0.50	60A	Delavan	60H DFN Hago	100	blank	0.50	0	0.30 (20%)
HML-80B	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60H DFN Hago	100	blank	0.60/0.65	1	0.50 (30%)
HML-90B	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60H DFN Hago	100	blank	0.75	2	0.60 (35%)
HML-100B	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60H DFN Hago	100	blank	0.85/1.00	3	0.80 (50%)
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
HML-60B	EZ-1	7" EZ-1	9888401	6 1/2	0.40	60A	Delavan	60H DFN Hago	155	blank	0.50	0	0.30 (20%)
HML-80B	EZ-1	7" EZ-1	9888401	6 1/2	0.55	60A	Delavan	60H DFN Hago	140	blank	0.60/0.65	1	0.50 (30%)
HML-90B	EZ-1	7" EZ-1	9888401	6 1/2	0.60	60A	Delavan	60H DFN Hago	155	blank	0.75	2	0.60 (35%)
HML-100B	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60H DFN Hago	170	blank	0.85/1.00	3	0.80 (50%)
LRF65C	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A Delavan	125	blank	0.60/0.65	1	35%
LRF80C	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A Delavan	170	blank	0.60/0.65	1	65%
LRF90C	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A Delavan	135	blank	0.75	2	45%
LRF100C	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A Delavan	170	blank	0.85/1.00	3	45%
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
MPL-90	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60H Hago	100	blank	0.75	2	0.55 (35%)
MPL-100	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60H Hago	100	blank	0.85/1.00	3	0.75 (45%)
MPL-120	EZ-1	7" EZ-1	9888401	6 1/2	1.00	60A	Delavan	60H Hago	100	blank	0.85/1.00	3	0.85 (50%)
MPL-130	EZ-1	7" EZ-1	9888401	6 1/2	1.10	60A	Delavan	60H Hago	100	blank	1.10/1.25	4	0.95 (60%)
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
MPL-90	EZ-1	7" EZ-1	9888401	6 1/2	0.60	60A	Delavan	60H Hago	155	blank	0.75	2	0.55 (35%)
MPL-100	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60H Hago	170	blank	0.85/1.00	3	0.75 (45%)
MPL-120	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60H Hago	140	blank	0.85/1.00	3	0.85 (50%)
MPL-130	EZ-1	7" EZ-1	9888401	6 1/2	0.90	60A	Delavan	60H Hago	150	blank	1.10/1.25	4	0.95 (60%)
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
WML-60	EZ-1	7" EZ-1	9888401	6 1/2	0.50	60A	Delavan	60H DFN Hago	100	blank	0.50	0	0.40 (25%)
WML-80	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60H DFN Hago	100	blank	0.60/0.65	1	0.55 (35%)
WML-90	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60H DFN Hago	100	blank	0.75	2	0.75 (45%)
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
WML-60	EZ-1	7" EZ-1	9888401	6 1/2	0.40	60A	Delavan	60H DFN Hago	155	blank	0.50	0	0.40 (25%)
WML-80	EZ-1	7" EZ-1	9888401	6 1/2	0.55	60A	Delavan	60H DFN Hago	140	blank	0.60/0.65	1	0.55 (35%)
WML-90	EZ-1	7" EZ-1	9888401	6 1/2	0.60	60A	Delavan	60H DFN Hago	155	blank	0.75	2	0.75 (45%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Olsen Furnace cont'd

UML65AC	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A Delavan	125	blank	0.60/0.65	1	35%
UML80AC	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A Delavan	170	blank	0.60/0.65	1	65%
UML90AC	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A Delavan	135	blank	0.75	2	45%
UML100AC	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A Delavan	170	blank	0.85/1.00	3	45%
UML65ACU	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A Delavan	125	blank	0.60/0.65	1	40%
UML80ACU	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A Delavan	170	blank	0.60/0.65	1	60%
UML90ACU	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A Delavan	135	blank	0.75	2	40%
UML100ACU	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A Delavan	170	blank	0.85/1.00	3	50%

Patron Products (Industrial Drying Equipment)

6000-5	102 CRD	7"C	99197	2 3/4"	2.50	45SS	Hago		150	open	--	2	0.70
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Peerless (PB Heat)

WBV-03-085	EZ-1HP	7" EZ-1	97817	2 1/2	0.65	70A	Delavan	70B Delavan	150	blank	0.60/0.65	1	0.60 (45%)
WBV-03-110	EZ-1HP	7" EZ-1	97817	2 1/2	0.85	70A	Delavan	70W Delavan	150	blank	0.85/1.00	3	0.65 (50%)
WBV-04-095	EZ-1HP	7" EZ-1	97817	2 1/2	0.75	70A	Delavan	70H Hago	150	blank	0.75	2	0.60 (45%)
WBV-04-125	EZ-1HP	7" EZ-1	97817	2 1/2	1.00	70A	Delavan	70B Delavan	150	blank	0.85/1.00	3	0.85 (65%)
WBV-04-150	EZ-1HP	7" EZ-1	97817	2 1/2	1.25	60B	Delavan	60B Hago	150	blank	1.10/1.25	4	1.00 (75%)
WV-05-175	99FRD	7" WS	4766201	2 1/2	1.50	60B	Delavan	60B Delavan	150	open	--	5	10%
WV-05-200	99FRD	7" WS	4766201	2 1/2	1.65	60B	Delavan	60B Delavan	150	open	--	5	45%
WV-DV-03	EZ-1HP	5" EZ-1	93203	2 1/2	0.60	70A	Delavan	70AS Danfoss	150	Air Boot	0.75	2	0.60 (45%)
WV-DV-03	EZ-1HP	5" EZ-1	93203	2 1/2	0.65	70A	Delavan	70AS Danfoss	150	Air Boot	0.75	2	0.75 (55%)
WV-DV-03	EZ-1HP	5" EZ-1	93203	2 1/2	0.85	70A	Delavan	70AS Danfoss	150	Air Boot	1.10/1.25	4	1.00 (75%)
WV-DV-04	EZ-1HP	5" EZ-1	93203	2 1/2	1.00	60B	Delavan	60A Delavan	140	Air Boot	1.10/1.25	4	1.00 (75%)
WV-DV-04	EZ-1HP	5" EZ-1	93203	2 1/2	1.10	60B	Delavan	60B Delavan	140	Air Boot	1.10/1.25	4	1.25 (95%)
EC/ECT-03-075	EZ-1HP	7" EZ-1	97817	2 1/2	0.60	70B	Delavan		150	blank	0.60/0.65	1	0.55 (40%)
EC/ECT-03-100	EZ-1HP	7" EZ-1	97817	2 1/2	0.85	70A	Delavan		150	blank	0.85/1.00	3	0.65 (50%)
EC/ECT-03-120	EZ-1HP	7" EZ-1	97817	2 1/2	1.00	70A	Delavan		150	blank	0.85/1.00	3	0.80 (60%)
EC/ECT-04-125	99FRD	7" WS	4766201	2 1/2	1.00	70B	Delavan	60B Delavan	150	blank	--	2	40%
EC/ECT-04-150	99FRD	7" WS	4766201	2 1/2	1.25	60B	Delavan	60B Hago	150	blank	--	3	60%
EC/ECT-04-175	99FRD	7" WS	4766201	2 1/2	1.50	60B	Delavan	60B Hago	150	blank	--	4	100%
EC/ECT-05-175	99FRD	7" WS	4766201	2 1/2	1.50	60B	Hago	60B Delavan	150	open	--	5	10%
EC/ECT-05-200	99FRD	7" WS	4766201	2 1/2	1.65	60B	Delavan	60B Hago	150	open	--	5	45%
EC/ECT-05-250	99FRD	7" WS	4766201	2 1/2	2.00	60B	Hago	60B Delavan	150	open	--	8	100%
EC/ECT-06-275	102CRD	7" B	48652	2 1/2	2.25	60B	Delavan	60P Hago	150	open	--	6	100%
EC/ECT-06-300	102CRD	7" B	48652	2 1/2	2.50	60B	Delavan	60P Hago	150	open	--	8	100%
CC-03	201CRD	7"	98307	4 1/8	2.00	70B	Delavan	70SS Hago	150	--	--	7/16	25%
CC-04	301CRD	8" B	90787	4 3/4	2.75	80SS	Hago	80B Delavan	150	--	--	5/16	50%
CC-05	301CRD	8" B	90787	4 3/4	4.00	60PLP	Monarch	70P Hago	150	--	--	13/16	100%
CC-06	702CRD	10"	49312	4 3/4	3.75	60B	Hago		100/300	--	--	1/16	5/16
CC-07	702CRD	10"	49312	4 3/4	4.50	60B	Hago		100/300	--	--	3/16	1/2
CC-08	702CRD	10"	49312	4 3/4	5.00	60B	Hago		100/300	--	--	3/8	7/16
CC-09	702CRD	10"	49312	4 3/4	6.00	60B	Hago		100/300	--	--	1	5/8
CC-10	801CRD	10"	91827	4 3/4	LF	5.50	45H	Hago	150	--	--	5/8	1/4
					HF	4.00	45H	Hago					
CC-11	801CRD	10"	91827	4 3/4	(2)	5.50	45H	Hago	150	--	--	5/8	3/8
CC-12	801CRD	10"	91827	4 3/4	(2)	6.00	45H	Hago	150	--	--	7/8	7/16

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Peerless (PB Heat) cont'd

SC/SCT-05	201CRD	7"	48835	2 1/2	2.50	60B	Delavan		140	--	--	1/4	80%
SC/SCT-06	201CRD	7"	48835	2 1/2	3.00	60B	Delavan		140	--	--	1/2	75%
SC/SCT-07	201CRD	7"	48835	2 1/2	3.25	45SS	Hago		150	--	--	5/8	80%
SC/SCT-08	201CRD	7"	48835	2 1/2	3.75	45SS	Hago		140	--	--	5/8	100%
SC/SCT-09	201CRD	7"	48835	2 1/2	4.00	45B	Delavan		150	--	--	7/8	100%
SC/SCT-09	301CRD	6" T	49049	2 1/2	4.00	45B	Delavan		150	--	--	15/16	75%
SC/SCT-10	301CRD	6" T	49049	2 1/2	4.50	45B	Delavan		150	--	--	3/4	100%
LC-04	301CRD	6" C	97507	2 1/8	4.00	60SS	Hago		140	--	--	3/8	75%
LC-05R	301CRD	6" C	97507	2 1/8	4.50	60SS	Hago		150	--	--	7/16	80%
LC-05	702CRD	10"	97500	3	3.50	45B	Hago		100/300	--	--	3/16	5/16
LC-06	702CRD	10"	97500	3	4.50	45B	Hago		100/280	--	--	3/8	1/2
LC-07	702CRD	10"	97500	3	5.00	45B	Hago		100/300	--	--	1/2	1/2
LC-08	702CRD	10"	97500	3	6.00	45B	Hago		100/280	--	--	1	9/16
LC-09	801CRD	10"	49460	3 1/16	LF 5.50 HF 4.00	45H 45H	Hago Hago		150	--	--	1/4	0
LC-10	801CRD	10"	49460	3 1/16	LF 6.00 HF 4.50	45H 45H	Hago Hago		150	--	--	1/2	1/4
LC-11	801CRD	10"	49460	3 1/16	LF 6.00 HF 5.50	45H 45H	Hago Hago		150	--	--	3/4	1/8
LC-12	801CRD	10"	49460	3 1/16	LF 6.50 HF 6.00	45B 45B	Delavan Delavan		150	--	--	1	1/4
LCE-13	801CRD	10"	49460	3 1/16	LF 6.50 HF 7.00	45B 45B	Delavan Delavan		150	--	--	11/16	1/2
LCE-14	801CRD	10"	49460	3 1/16	LF 6.50 HF 8.50	45B 45B	Delavan Delavan		150	--	--	1 1/8	1/2
LCE-15	1050FFD	STD 4" SP	48462 ³	5 5/8	LF 10.00 2HF 5.00	45SS 45SS	Hago Hago		100	--	--	7/8	3/8
LCE-16	1050FFD	STD 4" SP	48462 ³	5 5/8	LF 10.00 2HF 5.50	45SS 45SS	Hago Hago		100	--	--	1	3/8
LCE-17	1150FFD	STD 4" SP	48512 ²	6	LF 11.00 2HF 5.50	45SS 45SS	Hago Hago		100	--	--	1/8	3/8
LCE-18	1150FFD	STD 4" SP	48512 ²	6	LF 12.00 2HF 6.00	45SS 45SS	Hago Hago		100	--	--	1/4	3/8
LCE-19	1150FFD	STD 4" SP	48512 ²	6	LF 12.00 2HF 6.50	45SS 45SS	Hago Hago		100	--	--	3/8	3/8
LCE-20	1150FFD	STD 4" SP	48512 ²	6	LF 13.00 2HF 6.50	45SS 45SS	Hago Hago		100	--	--	1/2	1/2
LCE-21	1150FFD	STD 4" SP	48512 ²	6	LF 13.00 2HF 7.50	45SS 45SS	Hago Hago		100	--	--	5/8	7/16
LCE-22	1150FFD	STD 4" SP	48512 ²	6	LF 13.00 2HF 8.00	45SS 45SS	Hago Hago		100	--	--	3/4	3/8
LCE-23	1150FFD	STD 4" SP	48512 ²	6	LF 14.00 2HF 8.50	45SS 45SS	Hago Hago		100	--	--	1	3/8
² For UV control packages use P/N 48520													
³ For UV control packages use P/N 48470													
TC-04	702CRD	10"	93377	4 3/4	4.50	45P	Hago		100/300	--	--	3/16	3/8
TC-05	702CRD	10"	93377	4 3/4	6.00	45P	Hago		100/300	--	--	7/16	7/16
TC-06	801CRD	10"	49429	4 3/4	LF 5.50 HF 4.50	45B 45B	Delavan Delavan		150	--	--	3/16	1/4

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Peerless (PB Heat) cont'd

TC-07	801CRD	10"	49429	4 3/4	(2)	6.00	45H	Hago		150	--	--	7/16	3/8
TC-08	801CRD	10"	49429	4 3/4	LF	6.50	45B	Hago		150	--	--	3/4	1/2
					HF	7.50	45B	Hago						
TC-09	1050FFD	STD 4" SP	48462	5 5/8	LF	9.00	45SS	Hago		100	--	--	9/16	5/8
					2HF	5.00	45SS	Hago						
TC-10	1050FFD	STD 4" SP	48470	5 5/8	LF	9.00	45SS	Hago		100	--	--	1	7/16
					2HF	6.50	45SS	Hago						
TC-11	1150FFD	STD 4" SP	48520	6	LF	12.00	45SS	Hago		100	--	--	0	5/8
					2HF	6.00	45SS	Hago						
TC-12	1150FFD	STD 4" SP	48520	6	LF	12.00	45SS	Hago		100	--	--	1/8	5/8
					2HF	7.00	45SS	Hago						
TC-13	1150FFD	STD 4" SP	48520	6	LF	12.00	45SS	Hago		100	--	--	9/16	1/2
					2HF	8.50	45SS	Hago						
TC-14	1150FFD	STD 4" SP	48520	6	LF	12.00	45SS	Hago		100	--	--	11/16	7/16
					2HF	9.00	45SS	Hago						
TCII-4	702CRD	10"	93377 ⁴	4 3/4		4.50	45B	Hago		100/300	--	--	7/16	5/8
TCII-5	702CRD	10"	93377 ⁴	4 3/4		5.50	45B	Hago		100/300	--	--	1 1/4	15/16
TCII-6	801CRD	10"	49429 ⁵	4 3/4	LF	5.50	45B	Delavan		150	--	--	1/2	11/16
					HF	4.50	45B	Delavan						
TCII-7	801CRD	10"	49429 ⁵	4 3/4	LF	6.00	45H	Hago		150	--	--	5/8	3/4
					HF	5.50	45H	Hago						
TCII-8	801CRD	10"	49429 ⁵	4 3/4	(2)	6.50	45B	Hago		150	--	--	1	7/8
TCII-9	1050FFD	STD 4" SP	48462	5 5/8	LF	9.00	45SS	Hago		100	--	--	7/8	1/2
					HF	4.50	45SS	Hago						
					HF	5.00	45SS	Hago						
TCII-10	1050FFD ¹	STD 4" SP	48470	5 5/8	LF	9.00	45SS	Hago		100	--	--	3/4	1/4
					2HF	6.00	45SS	Hago						
TCII-11	1150FFD	STD 4" SP	48520	6"	LF	11.00	45SS	Hago		100	--	--	1/8	3/4
					2HF	6.00	45SS	Hago						
TCII-12	1150FFD	STD 4" SP	48520	6"	LF	12.00	45SS	Hago		100	--	--	7/16	5/8
					2HF	6.50	45SS	Hago						
TCII-13	1150FFD	STD 4" SP	48520	6"	LF	13.00	45SS	Hago		100	--	--	11/16	7/8
					2HF	7.00	45SS	Hago						

¹ Burner is a 1050FFD with an 1150FFD fan and motor.

⁴ For OEM air tube /flange for UV control packages use part no.: 99066

⁵ For OEM air tube /flange for UV control packages use part no.: 99073

Pensotti

DK2-3 ¹	EZ-LF	7" EZ-1	50687	5	0.60	60A	Delavan	60SS Hago	140	blank	0.60/0.65	1	1.50 (85%)
DK2-4	EZ-1HP	7" EZ-1	50687	5	0.85	60B	Delavan	60AS Danfoss	140	blank	0.85/1.00	3	1.10 (70%)
DK2-5	EZ-1HP	7" EZ-1	50687	5	1.00	70A	Delavan	70B Hago	140	blank	--	3.5	1.35 (95%)
S1-18	EZ-1HP	5" EZ-1	97288	3 1/4	0.60	60B	Delavan	60B Hago	150	EZ-1	0.60/0.65	1	0.60 (45%)
S1-26	EZ-1HP	5" EZ-1	97288	3 1/4	0.85	60B	Delavan	60B Hago	150	EZ-1	0.85/1.00	3	0.85 (65%)
S1-34	EZ-1HP	5" EZ-1	97288	3 1/4	1.00	60B	Delavan	60B Hago	150	EZ-1	0.85/1.00	3	1.00 (75%)
S1-42	EZ-1HP	5" EZ-1	97288	3 1/4	1.25	60B	Delavan	60B Hago	150	EZ-1	1.10/1.25	4	1.25 (95%)
S1-50	99FRD	5" WS	97948	3 1/4	1.50	60ES	Hago	60B Hago	150	open	--	7	20%

¹ Burner requires 36 hole blender on access cover.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Polartherm Oy

	99FRD	7" Std	99576	3.74	1.00	45H	Hago		140	blank	--	2	50%
Heat Wagon	301CRD	4 1/2" B	98640	4	2.75	80SS	Hago		175	--	--	3/8	90%

Powermatic, Inc.

UH-450	102CRD	7" C	N/A	6	4.00	60B	Delavan		100	open	--	6	100%
TE-11	102CRD	7" C	N/A	6	4.00	60B	Delavan		100	open	--	6	100%
CA-30	102CRD	7" C	98928	4 5/8	3.50	45SS	Hago		100	open	--	2	80%
CA-40	102CRD	7" C	98928	4 5/8	3.50	45SS	Hago		100	open	--	2	80%
CA-45	102CRD	7" C	48694	4 1/4	3.00	45SS	Hago		100	open	--	0	50%
CA-50	102CRD	7" C	48694	4 1/4	3.50	45SS	Hago		100	open	--	2	80%
CA-60	201CRD	7"	71829	4 1/4	4.00	45SS	Hago		150	--	--	13/16	95%
CA-70	301CRD	6" C	48991	4 1/4	5.00	45H	Hago		150	--	--	7/16	100%
CA-80	301CRD	6" C	48991	4 1/4	5.50	45H	Hago		150	--	--	5/8	100%
CA-100	601CRD	10"	49205	4 1/4	7.00	45H	Hago		150	--	--	3/8	60%
CA/MA70	701CRD	10"	49205	4 1/4	LF 2.75	60H	Hago		150	--	--	1/16	0
					HF 2.00	60H	Hago						
CA/MA80	701CRD	10"	49205	4 1/4	LF 3.00	60H	Hago		150	--	--	1/8	0
					HF 2.25	60H	Hago						
CA/MA100	701CRD	10"	49205	4 1/4	(2) 3.50	60H	Hago		150	--	--	3/8	1/4
CA/MA125	701CRD	10"	49171	8 1/2	(2) 4.50	60SS	Hago		150	--	--	9/16	5/8
CA/MA150	701CRD	10"	49171	8 1/2	LF 6.00	60SS	Hago		150	--	--	1 1/4	5/8
					HF 5.00	60SS	Hago						
CA/MA175	801CRD	10"	49361	8 1/2	(2) 6.50	60SS	Hago		150.00	--	--	7/16	1/2
CA/MA200	801CRD	10"	49361	8 1/2	LF 6.50	60SS	Hago		150	--	--	3/4	1/2
					HF 8.00	60SS	Hago						
CA/MA175	1050FFD	STD 7" SP	N/A	8 5/8	LF 9.00	45SS	Hago		100	--	--	1/16	1
					2HF 3.00	45SS	Hago						
CA/MA200	1050FFD	STD 7" SP	N/A	8 5/8	LF 9.00	45SS	Hago		100	--	--	5/16	3/4
					2HF 4.00	45SS	Hago						
CA/MA400	1150FFD	STD 6" SP	N/A	8	LF 11.00	45SS	Hago		100	--	--	1 1/4	1/8
					2HF 12.00	45SS	Hago						

QHT Inc.

S10/3ES	EZ-LF Select	7" EZ-1	99780	3	0.40	70B	Delavan		170	blank	--	0.5	15%
S10/3	EZ-LF Select	7" EZ-1	99780	3	0.50	70B	Delavan		150	blank	--	0.5	25%
S10/4ES	EZ-LF Select	7" EZ-1	99780	3	0.65	70B	Delavan		145	blank	--	3	40%
S10/4	EZ-LF Select	7" EZ-1	99780	3	0.65	70B	Delavan		180	blank	--	3	50%
S10/5ES	EZ-1 Select	7" EZ-1	77735	4 3/4	0.85	70A	Delavan	70S Steinen	165	blank	--	2	65%
S10/5	EZ-1 Select	7" EZ-1	77735	4 3/4	1.00	60B	Delavan		150	blank	--	2	70%
S10/6ES	EZ-1 Select ²	7" EZ-1	77735	4 3/4	1.00	70B	Delavan		115/185	blank	--	4	75%
S10/6	EZ-1 Select ²	7" EZ-1	77735	4 3/4	1.10	60B	Delavan		135/185	blank	--	4	85%
S10/7ES	EZ-1 Select ²	7" EZ-1	77735	4 3/4	1.25	60B	Delavan	60B Hago	110/175	blank	--	6	85%
S10/7	EZ-1 Select ²	7" EZ-1	77735	4 3/4	1.25	60B	Delavan		115/190	blank	--	6	50%
SRO/6	EZ-3 Select ²	7" EZ-1	51746	5 3/4	1.65	45B	Delavan	60B Delavan	160/185	EZ-3	--	6	40%
SRO/8	201CRD ²	9"	51750	3 1/2	2.25	45B	Delavan		110/200	--	--	7/16	30%

² Burners equipped with 2-step pump and 2 second time delay

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

QHT Inc cont'd

SRO/10	201CRD ²	9"	51750	3 1/2	2.75	60B	Delavan		110/215	--	--	3/4	60%
SRO/12	301CRD ²	10" C	51761	3 1/2	3.50	80B	Delavan	70B Delavan	140/200	--	--	3/8	75%
SRO/14	301CRD ²	10" C	51761	3 1/2	4.50	80B	Delavan	80A Delavan	120/150	--	--	7/16	100%
SRU-30	EZ-1 Select	11" EZ-1	51697	4 3/4	0.85	70B	Delavan	70S Steinen	150	blank	--	2	40%
SRU-30H	EZ-1 Select	11" EZ-1	51697	4 3/4	0.90	70B	Delavan		160	blank	--	2	45%
SRU-40	EZ-1 Select	11" EZ-1	51697	4 3/4	1.00	70B	Delavan	60S Steinen	155	blank	--	3	45%
SRU-40H	EZ-1 Select	11" EZ-1	51697	4 3/4	1.10	70B	Delavan		160	blank	--	3	50%
SRU-50	EZ-1 Select ²	11" EZ-1	51697	4 3/4	1.25	60B	Delavan	60S Steinen	150	blank	--	4	50%
SRU-50H	EZ-1 Select ²	11" EZ-1	51697	4 3/4	1.35	60B	Delavan		170	blank	--	4	60%
SRU-60	EZ-1 Select ²	11" EZ-1	51697	4 3/4	1.50	45B	Delavan		150	blank	--	5	65%
SRU-30-DV	EZ-1 Select	11" EZ-1	51697	4 3/4	0.85	70B	Delavan	70S Steinen	150	blank	--	2	40%
SRU-40-DV	EZ-1 Select	11" EZ-1	51697	4 3/4	1.00	70B	Delavan	60S Steinen	155	blank	--	3	45%

² Burners equipped with 2-step pump and 2 second time delay

Regal Furnace

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
LB/HB 600	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan		100	blank	0.60/0.65	1	0.60
LB/HB 750	EZ-1	7" EZ-1	98685	5 1/2	0.75	70A	Delavan		100	blank	0.75	2	0.75
LB/HB 850	EZ-1	7" EZ-1	98685	5 1/2	0.85	70A	Delavan		100	blank	0.85/1.00	3	0.85
LB/HB 1000	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago		100	blank	0.85/1.00	3	1.00
LB/HB 1250	EZ-1	9" EZ-1	98686	8	1.25	60SS	Hago		100	blank	1.10/1.25	4	1.25
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
LB/HB 600	EZ-1	7" EZ-1	98685	5 1/2	0.50	70A	Delavan		145	blank	0.60/0.65	1	0.60 (35%)
LB/HB 750	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan		155	blank	0.75	2	0.75 (45%)
LB/HB 850	EZ-1	7" EZ-1	98685	5 1/2	0.65	70A	Delavan		170	blank	0.85/1.00	3	0.85 (50%)
LB/HB 1000	EZ-1	9" EZ-1	98686	8	0.85	60SS	Hago		140	blank	0.85/1.00	3	1.00 (60%)
LB/HB 1250	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago		155	blank	1.10/1.25	4	1.25 (70%)

Regal Star Furnace

RSM-600	EZ-LF Select	9" 12D	50796	4 1/4	0.50	60A	Delavan	60W Delavan	165	blank	--	1	25%
RSM-750	EZ-LF Select	9" 12D	50796	4 1/4	0.60	60A	Delavan	60W Delavan	165	blank	--	1	45%
RSM-850	EZ-LF Select	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	--	1	51%
RSM-1005	EZ-LF Select	9" 12D	51211	5 1/4	0.75	60A	Delavan		175	blank	--	2	58%
RSM-1105	EZ-LF Select	9" 12D	51211	5 1/4	0.85	60A	Delavan		175	blank	--	3	63%
RSM-600-DV	EZ-LF Select	9" 12D	50796	4 1/4	0.50	60B	Delavan	60ST Steinen	165	blank	--	0.5	30%
RSM-750-DV	EZ-LF Select	9" 12D	50796	4 1/4	0.60	60A	Delavan	60S Steinen	165	blank	--	1	40%
RSM-850-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	--	2	60%
RSM-1005-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.75	60A	Delavan	60B Delavan	175	blank	--	2	70%
RSM-1105-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.85	60A	Delavan	60B Delavan	175	blank	--	3	80%
Pre 2021 below													
RSM-600	EZ-LF	9" 12D	50796	4 1/4	0.50	60A	Delavan	60W Delavan	165	blank	0.60/0.65	1	25%
					0.60	60A	Delavan	60W Delavan	165	blank	0.60/0.65	1	45%
					0.65	60A	Delavan		175	blank	0.60/0.65	1	0.65 (50%)
					0.75	60A	Delavan		175	blank	0.75	2	0.75 (55%)
RSM1005	EZ-LF	9" 12D	51211	5 1/4	0.85	60A	Delavan		175	blank	0.85/1.00	3	0.85 (60%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Rheem Manufacturing

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

ROCA/ROLA-070*04	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan		100	blank	0.60/0.65	1	0.60 (35%)
					0.75	70A	Delavan		100	blank	0.75	2	0.75 (45%)
					0.85	70A	Delavan		100	blank	0.85/1.00	3	0.85 (50%)
ROCA/ROLA-115*05	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago		100	blank	0.85/1.00	3	1.00 (60%)
					1.25	60SS	Hago		100	blank	1.10/1.25	4	1.25 (70%)

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

ROCA/ROLA-070*04	EZ-1	7" EZ-1	98685	5 1/2	0.50	70A	Delavan		145	blank	0.60/0.65	1	0.60 (35%)
					0.60	70A	Delavan		155	blank	0.75	2	0.75 (45%)
					0.65	70A	Delavan		170	blank	0.85/1.00	3	0.85 (50%)
ROCA/ROLA-115*05	EZ-1	9" EZ-1	98686	8	0.85	60SS	Hago		140	blank	0.85/1.00	3	1.00 (60%)
					1.00	60SS	Hago		155	blank	1.10/1.25	4	1.25 (70%)

ROCB-072	EZ-LF Select	9" 12D	50796	4 1/4	0.50	60A	Delavan	60W Delavan	165	blank	1.10/1.25	4	25%
ROCB-089	EZ-LF Select	9" 12D	50796	4 1/4	0.60	60A	Delavan	60W Delavan	165	blank	--	1	45%
ROCB-102	EZ-LF Select	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	--	1	51%
ROCB-118	EZ-LF Select	9" 12D	51211	5 1/4	0.75	60A	Delavan		175	blank	--	2	58%
ROCB-130	EZ-LF Select	9" 12D	51211	5 1/4	0.85	60A	Delavan		175	blank	--	3	63%

ROCB-072-DV	EZ-LF Select	9" 12D	50796	4 1/4	0.50	60B	Delavan	60ST Steinen	165	blank	--	0.5	30%
ROCB-089-DV	EZ-LF Select	9" 12D	50796	4 1/4	0.60	60A	Delavan	60S Steinen	165	blank	--	1	40%
ROCB-102-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	--	2	60%
ROCB-118-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.75	60A	Delavan	60B Delavan	175	blank	--	2	70%
ROCB-130-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.85	60A	Delavan	60B Delavan	175	blank	--	3	80%

Rockmills Steel

MP-10	201CRD	7"	N/A	MIN.	2.50	45SS	Hago	60SS Hago	150	--	--	5/16	30%
MP-15	201CRD	7"	N/A	MIN.	3.75	45SS	Hago	60SS Hago	150	--	--	11/16	75%
MP-20	301CRD	6" C	N/A	MIN.	6.00	45H	Hago		100	--	--	7/16	100%
MP-30	701CRD	10"	N/A	MIN.	(2)	3.75	60H	Hago	150	--	--	7/16	3/8
MP-40	701CRD	10"	N/A	MIN.	(2)	5.00	60H	Hago	150	--	--	7/8	1/2
MP-50	801CRD	10"	N/A	MIN.	LF	6.00	45H	Hago	150	--	--	3/8	3/8
					HF	6.50	45H	Hago			--		
MP-60	801CRD	10"	N/A	MIN.	LF	6.50	45H	Hago	150	--	--	7/8	1/2
					HF	8.50	45H	Hago			--		
MP-70	1050FFD	STD 4" SP	N/A	MIN.	LF	9.00	45SS	Hago	100	--	--	13/16	1/2
					2HF	6.00	45SS	Hago			--		
MP-80	1150FFD	STD 4" SP	N/A	6	LF	12.00	45SS	Hago	100	--	--	0	5/8
					2HF	6.00	45SS	Hago			--		
MP-90	1150FFD	STD 4" SP	N/A	6	LF	12.00	45SS	Hago	100	--	--	1/4	5/8
					2HF	7.50	45SS	Hago			--		
MP-100	1150FFD	STD 4" SP	N/A	6	LF	12.00	45SS	Hago	100	--	--	11/16	7/16
					2HF	9.00	45SS	Hago			--		

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

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LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
ROCA/ROLA-070*04	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan		100	blank	0.60/0.65	1	0.60 (35%)
					0.75	70A	Delavan		100	blank	0.75	2	0.75 (45%)
					0.85	70A	Delavan		100	blank	0.85/1.00	3	0.85 (50%)
ROCA/ROLA-115*05	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago		100	blank	0.85/1.00	3	1.00 (60%)
					1.25	60SS	Hago		100	blank	1.10/1.25	4	1.25 (70%)
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
ROCA/ROLA-070*04	EZ-1	7" EZ-1	98685	5 1/2	0.50	70A	Delavan		145	blank	0.60/0.65	1	0.60 (35%)
					0.60	70A	Delavan		155	blank	0.75	2	0.75 (45%)
					0.65	70A	Delavan		170	blank	0.85/1.00	3	0.85 (50%)
ROCA/ROLA-115*05	EZ-1	9" EZ-1	98686	8	0.85	60SS	Hago		140	blank	0.85/1.00	3	1.00 (60%)
					1.00	60SS	Hago		155	blank	1.10/1.25	4	1.25 (70%)
ROCB-072	EZ-LF Select	9" 12D	50796	4 1/4	0.50	60A	Delavan	60W Delavan	165	blank	--	1	25%
ROCB-089	EZ-LF Select	9" 12D	50796	4 1/4	0.60	60A	Delavan	60W Delavan	165	blank	--	1	45%
ROCB-102	EZ-LF Select	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	--	1	51%
ROCB-118	EZ-LF Select	9" 12D	51211	5 1/4	0.75	60A	Delavan		175	blank	--	2	58%
ROCB-130	EZ-LF Select	9" 12D	51211	5 1/4	0.85	60A	Delavan		175	blank	--	3	63%
ROCB-072-DV	EZ-LF Select	9" 12D	50796	4 1/4	0.50	60B	Delavan	60ST Steinen	165	blank	--	0.5	30%
ROCB-089-DV	EZ-LF Select	9" 12D	50796	4 1/4	0.60	60A	Delavan	60S Steinen	165	blank	--	1	40%
ROCB-102-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	--	2	60%
ROCB-118-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.75	60A	Delavan	60B Delavan	175	blank	--	2	70%
ROCB-130-DV	EZ-LF Select	9" 12D	51211	5 1/4	0.85	60A	Delavan	60B Delavan	175	blank	--	3	80%

Salsco Greenhouses

300	99FRD	7" WS	N/A	3 3/4	1.75	45B	Hago	45B Delavan	150	open	--	6	60%
350	99FRD	7" WS	N/A	3 3/4	2.00	45B	Hago	45B Delavan	150	open	--	9	100%

Slant/ Fin

EC-13 ²	EZ-1HP	7" EZ-1	99734	4 1/2	0.50 60W Delavan		175	blank	0.50	0	0.55 (35%)
					0.50 45A Delavan		195	blank	0.60/0.65	1	0.55 (35%)
EC-14	EZ-1HP	7" EZ-1	99734	4 1/2	0.65 60B Delavan		150	blank	0.60/0.65	1	0.60 (45%)
					0.75 60B Delavan		145	blank	0.75	2	0.65 (40%)
EC-15	EZ-1HP	7" EZ-1	99734	4 1/2	0.85 60B Delavan		138	blank	0.85/1.00	3	0.75 (55%)
					0.85 60B Delavan		168	blank	0.85/1.00	3	0.85 (60%)
EC-16	EZ-1HP	7" EZ-1	99734	4 1/2	0.85 60B Delavan		185	blank	0.85/1.00	3	0.90 (65%)
					1.00 60B Delavan		155	blank	1.10/1.25	4	0.90 (65%)
² Requires 12"L x 8"W blanket											
L-20	EZ-1HP	5" EZ-1	97379	1 3/4	0.65 70W Delavan		140	EZ-1	0.50	0	0.75 (45%)
L-30	EZ-1HP	5" EZ-1	97379	1 3/4	0.85 70A Delavan		165	EZ-1	0.75	2	0.90 (65%)
L-40	EZ-2HP	5" EZ-2/3	97803	1 3/4	1.35 70A Delavan		140	EZ-2	1.50	4	1.50 (85%)
L20-P	99FRD	5" WS	71159	1 3/4	0.60 70A Delavan		155	blank	--	1	45% ¹
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023											
L-30 SU+WU	99FRD	5" WS	71159	1 3/4	1.10 70W Delavan		100	blank	--	4	40%
L-30 WU	99FRD	5" WS	71159	1 3/4	1.25 70A Delavan		100	blank	--	5	50%
L-30P	99FRD	5" WS	71159	1 3/4	1.10 60A Delavan		100	blank	--	2	80% ¹
					1.25 60A Delavan		100	blank	--	2	90% ¹

¹ Single slot air band.

¹ Single slot air band.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Slant/ Fin cont'd

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

L-30 SU+WU	99FRD	5" WS	71159	1 3/4	0.90	70W	Delavan		150	blank	--	4	40%
L-30 WU	99FRD	5" WS	71159	1 3/4	1.00	70A	Delavan		155	blank	--	5	50%
L-30P	99FRD	5" WS	71159	1 3/4	0.90	60A	Delavan		150	blank	--	2	80% ¹
					1.00	60A	Delavan		155	blank	--	2	90% ¹
L-40 SU+WU	99FRD	5" STD	71167	1 3/4	1.50	70W	Delavan		113	open	--	5	40%
L-40 WU	99FRD	5" STD	71167	1 3/4	1.75	70W	Delavan		105	open	--	8	30%
L-40P	99FRD	5" WS	71159	1 3/4	1.50	70SS	Hago		113	blank	--	4-5	60%
					1.75	70SS	Hago		105	blank	--	5	90%
L-50P	99FRD	5" STD	71167	1 3/4	2.00	70W	Delavan		110	open	--	3	50%
L-50 SU+WU	102CRD-3	5" B	71142	1 3/4	2.00	70SS	Hago		110	open	--	4	20%
L-50 WU	102CRD-3	5" B	71142	1 3/4	2.25	70SS	Hago		110	open	--	5	30%
L-60P	102CRD-3	5" B	71142	1 3/4	2.50	70P	Hago		108	open	--	5	50%
L-60P/ NYC	102CRD-3	5" B	71142	1 3/4	2.50	45SS	Hago		107	open	--	5	50%
L-70P	102CRD	5" B	71142	1 3/4	2.75	60SS	Hago		125	open	--	8	90%
L-70P/NYC	102CRD	5" B	71142	1 3/4	3.00	60SS	Hago		107	open	--	8	90%

LD-30H	EZ-LF	5" 12D	50775	1 3/4	0.75	60A	Delavan		175	blank	0.75	2	53%
LD-30	EZ-LF	5" 12D	50775	1 3/4	0.85	60A	Delavan		170	blank	0.75	2	69%
					1.00	70AS	Danfoss		160	blank	0.85/1.00	3	75%
LD-40H	EZ-2HP	5" EZ-1	97379	1 3/4	1.20	60B	Delavan		156	3 slot	--	3	40%
LD-40	EZ-2HP	5" EZ-1	97379	1 3/4	1.20	60B	Delavan		178	3 slot	--	3	40%
					1.35	60B	Delavan		178	3 slot	--	4	40%

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

LD-20	99FRD	5" WS	71159	1 3/4	0.75	70A	Delavan		100	blank	--	1.5	45-50% ¹
LD-30H	99FRD	5" WS	71159	1 3/4	1.00	60A	Delavan		100	blank	--	1.5	70-80% ¹
LD-30	99FRD	5" WS	71159	1 3/4	1.10	60A	Delavan		100	blank	--	2.5	80-90% ¹
					1.25	60A	Delavan		100	blank	--	2.5	90% ¹
LD-40H	99FRD	5" WS	71159	1 3/4	1.50	70B	Delavan		100	blank	--	3	50%
					1.50	70W	Delavan		113	blank	--	4	60%
LD-40	99FRD	5" WS	71159	1 3/4	1.75	70SS	Hago		113	blank	--	4	60%
					1.75	70SS	Hago		105	blank	--	5	90%
LD-50H	99FRD	5" STD	71167	1 3/4	2.00	60B	Delavan		100	blank	--	3	40%
LD-50	99FRD	5" STD	71167	1 3/4	2.00	70W	Delavan		110	blank	--	3	30%
					2.25	70W	Delavan		109	blank	--	5	50%

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

LD-20	99FRD	5" WS	71159	1 3/4	0.60	70A	Delavan		155	blank	--	1.5	45-50% ¹
LD-30H	99FRD	5" WS	71159	1 3/4	0.85	60A	Delavan		140	blank	--	1.5	70-80% ¹
LD-30	99FRD	5" WS	71159	1 3/4	0.90	60A	Delavan		150	blank	--	2.5	80-90% ¹
					1.00	60A	Delavan		155	blank	--	2.5	90% ¹
LD-40H	99FRD	5" WS	71159	1 3/4	1.20	70B	Delavan		155	blank	--	3	50%
					1.50	70W	Delavan		113	blank	--	4	60%
LD-40	99FRD	5" WS	71159	1 3/4	1.75	70SS	Hago		113	blank	--	4	60%
					1.75	70SS	Hago		105	blank	--	5	90%
LD-50H	99FRD	5" STD	71167	1 3/4	1.65	60B	Delavan		145	blank	--	3	40%
LD-50	99FRD	5" STD	71167	1 3/4	2.00	70W	Delavan		110	blank	--	3	30%
					2.25	70W	Delavan		109	blank	--	5	50%
LD-60	102CRD-3	5" B	71142	1 3/4	2.50	70P	Hago		107	open	--	5	50%
					2.75	70P	Hago		107	open	--	6	80%

¹ Single slot air band.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Slant/ Fin cont'd

LD-70	102CRD	5" B	71142	1 3/4	2.75	60SS	Hago		125	open	--	8	90%
					3.00	60SS	Hago		125	open	--	10	90%
MR250	102CRD	5" B	48629	2 1/4	2.50	60B	Delavan		100	open	--	9	80%
MM300	102CRD	5" B	48629	2 1/4	3.00	60B	Delavan		100	open	--	9	80%
Q3-4	EZ-LF	7" 12D	50887	3	0.60	60AS	Danfoss		160	blank	0.60/0.65	1	25%
Q3-5	EZ-LF	7" 12D	50887	3	0.75	60B	Hago		175	blank	1	2	35%
TR-30H	EZ-LF	5" 12D	50775	1 3/4	0.75	60A	Delavan	70A Delavan	175	blank	0.75	2	53%
TR-30	EZ-LF	5" 12D	50775	1 3/4	0.85	60A	Delavan	60A Delavan	170	blank	0.75	2	69%
					1.00	70AS	Danfoss	70A Delavan	160	blank	0.85/1.00	3	75%
TR-40H	EZ-2HP	5" EZ-1	97379	1 3/4	1.20	60B	Delavan	60W Delavan	156	3 slot	--	3	40%
TR-40	EZ-2HP	5" EZ-1	97379	1 3/4	1.20	60B	Delavan	60W Delavan	178	3 slot	--	3	40%
					1.35	60B	Delavan	60W Delavan	178	3 slot	--	4	40%
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
XL-30	EZ-1	5" EZ-1	97379	1 3/4	0.70	60B	Hago	60B Delavan	150	blank	0.75	2	0.65 (50%)
					0.85	60B	Hago	60B Delavan	150	blank	0.85/1.00	3	0.95 (70%)
					1.00	60B	Hago	60B Delavan	150	blank	0.85/1.00	3	1.00 (75%)
XL-40	EZ-1	5" EZ-1	97379	1 3/4	1.00	60B	Hago	60B Delavan	150	blank	0.85/1.00	3	0.85 (65%)
					1.10	60B	Hago	60B Delavan	150	blank	1.10/1.25	4	1.00 (75%)
					1.25	60B	Hago	60B Delavan	150	blank	1.10/1.25	4	1.25 (95%)
XL-20	99FRD	5" WS	71159	1 3/4	0.65	70A	Delavan		100	blank	--	0	50% ¹
XL-30	99FRD	5" WS	71159	1 3/4	1.00	70A	Delavan		100	blank	0.60/0.65	1	80% ¹
					0.85	70A	Delavan		130	blank	--	3	80% ¹
XL-40	99FRD	5" WS	71159	1 3/4	1.35	60W	Delavan		100	blank	--	4	65% ¹
					1.20	60W	Delavan		130	blank	--	4	65% ¹
XL-50	99FRD	5" WS	71159	1 3/4	1.75	60B	Delavan		105	open	--	4	20% ¹
					1.50	60B	Delavan		130	open	--	5	20% ¹
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
XL-30	EZ-1	5" EZ-1	97379	1 3/4	0.70	60B	Hago	60B Delavan	150	blank	0.75	2	0.65 (50%)
					0.85	60B	Hago	60B Delavan	150	blank	0.85/1.00	3	0.95 (70%)
					1.00	60B	Hago	60B Delavan	150	blank	0.85/1.00	3	1.00 (75%)
XL-40	EZ-1	5" EZ-1	97379	1 3/4	1.00	60B	Hago	60B Delavan	150	blank	0.85/1.00	3	0.85 (65%)
					1.10	60B	Hago	60B Delavan	150	blank	1.10/1.25	4	1.00 (75%)
					1.25	60B	Hago	60B Delavan	150	blank	1.10/1.25	4	1.25 (95%)
XL-20	99FRD	5" WS	71159	1 3/4	0.55	70A	Delavan		140	blank	--	0	50% ¹
XL-30	99FRD	5" WS	71159	1 3/4	0.85	70A	Delavan		140	blank	0.60/0.65	1	80% ¹
					0.85	70A	Delavan		130	blank	--	3	80% ¹
XL-40	99FRD	5" WS	71159	1 3/4	1.10	60W	Delavan		150	blank	--	4	65% ¹
					1.20	60W	Delavan		130	blank	--	4	65% ¹
XL-50	99FRD	5" WS	71159	1 3/4	1.75	60B	Delavan		105	open	--	4	20% ¹
					1.50	60B	Delavan		130	open	--	5	20% ¹
¹ Single slot air band.													

Smith Cast-Iron Boilers

8-3	EZ-1HP	7" EZ-1	97958-01	2 1/4	0.65	70A	Delavan		150	EZ-1	0.60/0.65	1	0.65 (50%)
8-4	EZ-1HP	7" EZ-1	97958-01	2 1/4	0.85	60B	Delavan		150	EZ-1	0.85/1.00	3	0.85 (65%)
8-5	EZ-1HP	7" EZ-1	97958-01	2 1/4	1.10	60B	Delavan		150	EZ-1	1.10/1.25	4	1.10 (75%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Smith Cast-Iron Boilers cont'd

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

8-3	99FRD	7" WS	9795701	2 1/4	0.75	60R	Monarch		100	blank	--	2	40% ¹
8-4	99FRD	7" WS	9795701	2 1/4	1.00	60R	Monarch		100	blank	--	3	70% ¹
8-5	99FRD	7" WS	9795701	2 1/4	1.35	60R	Monarch		100	blank	--	4	50%
8-6	99FRD	7" WS	9795701	2 1/4	1.75	60R	Monarch		100	blank	--	5	70%

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

8-3	99FRD	7" WS	9795701	2 1/4	0.60	60R	Monarch		155	blank	--	2	40% ¹
8-4	99FRD	7" WS	9795701	2 1/4	0.85	60R	Monarch		140	blank	--	3	70% ¹
8-5	99FRD	7" WS	9795701	2 1/4	1.10	60R	Monarch		150	blank	--	4	50%
8-6	99FRD	7" WS	9795701	2 1/4	1.35	60R	Monarch		170	blank	--	5	70%

¹ Single slot air band.

8HE-03-085	EZ-1HP	7" EZ-1	97817	2 1/2	0.65	70A	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
8HE-03-110	EZ-1HP	7" EZ-1	97817	2 1/2	0.85	70A	Delavan		150	blank	0.85/1.00	3	0.65 (50%)
8HE-04-125	EZ-1HP	7" EZ-1	97817	2 1/2	1.00	70A	Delavan		150	blank	0.85/1.00	3	0.85 (65%)
8HE-04-150	EZ-1HP	7" EZ-1	97817	2 1/2	1.25	60B	Delavan		150	blank	1.10/1.25	4	1.00 (75%)
8HE-05-175	99FRD	7" WS	4766201	2 1/2	1.50	60B	Hago		150	open	--	5	10%
8HE-05-200	99FRD	7" WS	4766201	2 1/2	1.65	60B	Hago		150	open	--	5	45%

18-4	102CRD	9" B	48660	4 3/4	2.50	60H	Hago		100	open	--	5	100%
18-5	102CRD	9" B	48660	4 3/4	3.25	60H	Hago		100	open	--	10	100%
18-6	102CRD	9" C	48678	4 3/4	4.00	60H	Hago		100	open	--	6	100%
18-7	301CRD	8" C	49015	4 3/4	3.75	45SS	Hago		150	--	--	1/8	65%
18-8	301CRD	8" C	49015	4 3/4	4.50	45SS	Hago		150	--	--	5/16	95%
18-9	301CRD	8" C	49015	4 3/4	5.00	45SS	Hago		150	--	--	7/16	100%
18-10	601CRD	10"	N/A	4 3/4	5.50	45SS	Hago		150	--	--	1/4	65%
18-11	601CRD	10"	N/A	4 3/4	6.00	45SS	Hago		150	--	--	5/16	75%
18-12	601CRD	10"	N/A	4 3/4	6.50	45SS	Hago		150	--	--	3/8	80%

18-9	702CRD	10"	49312	4 3/4	3.50	45P	Hago		100/300	--	--	0	3/8
18-10	702CRD	10"	49312	4 3/4	4.00	45P	Hago		100/300	--	--	1/8	3/8
18-11	702CRD	10"	49312	4 3/4	4.50	45P	Hago		100/300	--	--	3/16	3/8
18-12	702CRD	10"	49312	4 3/4	5.00	45P	Hago		100/300	--	--	1/4	3/8

19-4	301CRD	8" B	90787	4 3/4	2.75	80SS	Hago		150	--	--	5/16	50%
19-5	301CRD	8" B	90787	4 3/4	3.50	80SS	Hago		150	--	--	7/16	75%
19-6	301CRD	8" B	90787	4 3/4	4.00	80SS	Hago		150	--	--	3/4	100%
19-7	702CRD	10"	49312	4 3/4	3.75	60P	Hago		100/300	--	--	3/16	3/16
19-8	702CRD	10"	49312	4 3/4	4.00	60P	Hago		100/300	--	--	1/4	1/4
19-9	702CRD	10"	49312	4 3/4	4.50	60P	Hago		100/300	--	--	7/16	3/8
19-10	702CRD	10"	49312	4 3/4	5.00	60P	Hago		100/300	--	--	1/2	7/16
19-11	702CRD	10"	49312	4 3/4	6.00	60P	Hago		100/300	--	--	9/16	1/2
19-12	801CRD	10"	91827	4 3/4	LF 5.50 HF 4.00	45PLP	Monarch		150	--	--	1/8	1/4

19A/ 19HE-03	201CRD	7"	98307	4 1/8	2.00	70B	Delavan		150	--	--	7/16	25%
19A/ 19HE-04	301CRD	8" B	90787	4 3/4	2.75	80SS	Hago		150	--	--	5/16	50%
19A/ 19HE-05	301CRD	8" B	90787	4 3/4	4.00	60PLP	Monarch		150	--	--	13/16	100%
19A/ 19HE-06	702CRD	10"	49312	4 3/4	3.75	60P	Hago		100/300	--	--	1/16	5/16
19A/ 19HE-07	702CRD	10"	49312	4 3/4	4.50	60P	Hago		100/300	--	--	3/16	1/2
19A/ 19HE-08	702CRD	10"	49312	4 3/4	5.00	60P	Hago		100/300	--	--	3/8	7/16

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Smith Cast-Iron Boilers cont'd

19A/ HE19-09	702CRD	10"	49312	4 3/4		6.00	60P	Hago		100/300	--	--	1	5/8
19A/ 19HE-10	801CRD	10"	91827	4 3/4	LF	5.50	45H	Hago		150	--	--	5/8	1/4
					HF	4.00	45H	Hago						
19A/ 19HE-11	801CRD	10"	91827	4 3/4	(2)	5.50	45H	Hago		150	--	--	5/8	3/8
19A/ 19HE-12	801CRD	10"	91827	4 3/4	(2)	6.00	45H	Hago		150	--	--	7/8	7/16
28-4	701CRD	10"	49270	4 3/4	LF	3.25	60H	Hago		150	--	--	3/8	1/4
					HF	2.50	60H	Hago						
28-5	701CRD	10"	49270	4 3/4	(2)	3.75	60H	Hago		150	--	--	3/4	3/8
28A-4	702CRD	10"	93377	4 3/4		4.50	45P	Hago		100/300	--	--	3/16	3/8
28A-5	702CRD	10"	93377	4 3/4		6.00	45P	Hago		100/300	--	--	7/16	7/16
28A-6	801CRD	10"	49429	4 3/4	LF	5.50	45H	Hago		150	--	--	3/16	1/4
					HF	4.50	45H	Hago						
28A-7	801CRD	10"	49429	4 3/4	(2)	6.00	45H	Hago		150	--	--	7/16	3/8
28A-8	801CRD	10"	49429	4 3/4	LF	6.50	45H	Hago		150	--	--	3/4	1/2
					HF	7.50	45H	Hago						
28A-9	1050FFD	STD 4" SP	48462	5 5/8	LF	9.00	45SS	Hago		100	--	--	9/16	5/8
					2HF	5.00	45SS	Hago						
28A-10	1050FFD	STD 4" SP	48470	5 5/8	LF	9.00	45SS	Hago		100	--	--	1	7/16
					2HF	6.50	45SS	Hago						
28A-11	1150FFD	STD 4" SP	48520	6	LF	12.00	45SS	Hago		100	--	--	0	5/8
					2HF	6.00	45SS	Hago						
28A-12	1150FFD	STD 4" SP	48520	6	LF	12.00	45SS	Hago		100	--	--	1/8	5/8
					2HF	7.00	45SS	Hago						
28A-13	1150FFD	STD 4" SP	48520	6	LF	12.00	45SS	Hago		100	--	--	9/16	1/2
					2HF	8.50	45SS	Hago						
28A-14	1150FFD	STD 4" SP	48520	6	LF	12.00	45SS	Hago		100	--	--	11/16	7/16
					2HF	9.00	45SS	Hago						
HE 28-4	702CRD	10"	93377 ²	4 3/4		4.50	45P	Hago		100/300	--	--	7/16	5/8
HE 28-5	702CRD	10"	93377 ²	4 3/4		5.50	45P	Hago		100/300	--	--	1 1/4	15/16
HE 28-6	801CRD	10"	49429 ³	4 3/4	LF	5.50	45H	Hago		150	--	--	1/2	11/16
					HF	4.50	45H	Hago						
HE 28-7	801CRD	10"	49429 ³	4 3/4	LF	6.00	45H	Hago		150	--	--	5/8	3/4
					HF	5.50	45H	Hago						
HE 28-8	801CRD	10"	49429 ³	4 3/4	(2)	6.50	45H	Hago		150	--	--	1	7/8
HE 28-9	1050FFD	STD 4" SP	48462	5 5/8	LF	9.00	45SS	Hago		100	--	--	7/8	1/2
					HF	4.50	45SS	Hago						
					HF	5.00	45SS	Hago						
HE 28-10	1050FFD ¹	STD 4" SP	48470	5 5/8	LF	9.00	45SS	Hago		100	--	--	3/4	1/4
					2HF	6.00	45SS	Hago						
HE 28-11	1150FFD	STD 4" SP	48520	6"	LF	11.00	45SS	Hago		100	--	--	1/8	3/4
					2HF	6.00	45SS	Hago						
HE 28-12	1150FFD	STD 4" SP	48520	6"	LF	12.00	45SS	Hago		100	--	--	7/16	5/8
					2HF	6.50	45SS	Hago						
HE 28-13	1150FFD	STD 4" SP	48520	6"	LF	13.00	45SS	Hago		100	--	--	11/16	7/8
					2HF	7.00	45SS	Hago						

¹ Burner is a 1050FFD with and 1150FFD fan and motor.

² For OEM air tube /flange for UV control packages use part no.: 99066

³ For OEM air tube /flange for UV control packages use part no.: 99073

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	
Smith Cast-Iron Boilers cont'd													
2000L-4	102CRD	9" B	48561	6	2.50	45SS	Hago		100	open	--	5	100%
2000L-5	102CRD	9" B	48561	6	3.00	45SS	Hago		100	open	--	9	100%
2000L-6	102CRD	9" C	48595	6	3.50	45SS	Hago		100	open	--	2	80%
2000L-7	102CRD	9" C	48595	6	4.00	45SS	Hago		100	open	--	6	100%
2000L-4	201CRD	7"	48843	6 1/2	2.50	45SS	Hago		100	--	--	1/4	20%
2000L-5	201CRD	7"	48843	6 1/2	3.00	45SS	Hago		100	--	--	3/8	30%
2000L-6	201CRD	7"	48843	6 1/2	3.50	60P	Hago		100	--	--	1/2	45%
2000L-7	201CRD	7"	48843	6 1/2	4.00	60P	Hago		100	--	--	5/8	60%
2500L-5	301CRD	8" C	48884	5 1/4	4.00	45SS	Hago		100	--	--	3/8	50%
2500L-6	301CRD	8" C	48884	5 1/4	5.00	45SS	Hago		100	--	--	1/2	80%
2500L-7	301CRD	8" C	48884	5 1/4	6.00	45SS	Hago		100	--	--	13/16	100%
2500L-8	601CRD	10"	N/A	5 1/4	6.00	45SS	Hago		150	--	--	3/16	75%
2500L-9	601CRD	10"	N/A	5 1/4	7.00	45SS	Hago		150	--	--	7/16	90%
2500L-10	601CRD	10"	N/A	5 1/4	7.50	45SS	Hago		150	--	--	1/2	100%
2500L-11	601CRD	10"	N/A	5 1/4	8.50	45SS	Hago		150	--	--	3/4	100%
2500L-12	601CRD	10"	N/A	5 1/4	9.00	45SS	Hago		150	--	--	7/8	100%
2500L-8	701CRD	10"	N/A	5 1/4	LF 3.25 HF 2.75	60H 60H	Hago Hago		150	--	--	1/4	1/8
2500L-9	701CRD	10"	N/A	5 1/4	(2) 3.50	60H	Hago		150	--	--	3/8	1/4
2500L-10	701CRD	10"	N/A	5 1/4	(2) 3.75	60H	Hago		150	--	--	7/16	3/8
2500L-11	701CRD	10"	N/A	5 1/4	LF 4.00 HF 4.50	60H 60H	Hago Hago		150	--	--	9/16	1/2
2500L-12	701CRD	10"	N/A	5 1/4	(2) 4.50	60H	Hago		150	--	--	5/8	5/8
3500A-6	702CRD	10"	93377	4 3/4	6.00	45P	Hago		100/300	--	--	7/16	7/16
3500A-7	702CRD	10"	93377	4 3/4	7.50	45P	Hago		100/300	--	--	1 1/4	1/2
3500A-8	801CRD	15"	49429	4 3/4	LF 6.00 HF 6.50	45H 45H	Hago Hago		150	--	--	7/16	3/8
3500A-9	801CRD	15"	49429	4 3/4	LF 7.00 HF 8.50	45H 45H	Hago Hago		150	--	--	7/8	3/8
3500A-10	1050FFD	STD 4" SP	48462	5 5/8	LF 9.00 2HF 6.00	45SS 45SS	Hago Hago		100	--	--	5/8	3/8
3500A-11	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 2HF 7.00	45SS 45SS	Hago Hago		100	--	--	1/4	1/2
3500A-12	1150FFD	STD 4" SP	48520	6	LF 12.00 2HF 7.00	45SS 45SS	Hago Hago		100	--	--	15/16	5/8
3500A-13	1150FFD	STD 4" SP	48520	6	LF 14.00 2HF 7.50	45SS 45SS	Hago Hago		100	--	--	1	3/4
3500A-14	1150FFD	STD 4" SP	48520	6	LF 14.00 2HF 8.00	45SS 45SS	Hago Hago		100	--	--	1 1/8	3/4
BB14-3	100CRD	7" NH	47993	4 3/8	0.65	60R	Monarch		170	blank	--	1	50%
	100CRD	7" NH	47993	4 3/8	0.90	60R	Monarch		150	blank	--	1	100%
BB14-4	100CRD	7" NH	47993	4 3/8	1.10	60R	Monarch		150	blank	--	3	100%
	100CRD	7" NH	47993	4 3/8	1.35	60R	Monarch		150	blank	--	6	100%
BB14-5	102CRD-3	5" B	95695	4 3/8	2.25	60R	Monarch		100	open	--	4	50%
BB14-6L	102CRD-3	5" B	95695	4 3/8	2.50	60R	Monarch		100	open	--	5	50%
BB14-7	102CRD	5" B	95695	2 1/4	3.00	60B	Delavan		100	open	--	9	100%
	102CRD	5" B	95695	2 1/4	3.50	60B	Delavan		100	open	--	11	100%
BB14-8	102CRD	5" C	95703	2 1/4	3.50	60B	Delavan		100	open	--	2	100%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Smith Cast-Iron Boilers cont'd

FD-12-3	100CRD	5" WS	N/A	2 1/4	0.60	60AR	Monarch		155	blank	--	2	15%
FD-12-4	100CRD	5" WS	N/A	2 1/4	0.85	60R	Monarch		140	blank	--	2	40%
FD-12-5	100CRD	5" WS	N/A	2 1/4	1.10	60R	Monarch		150	open	--	4	10%
FD-12-6	101CRD	5" NH	N/A	2 1/4	1.35	60R	Monarch		150	open	--	5	100%
FD-12-7	101CRD	5" NH	N/A	2 1/4	1.65	60R	Monarch		145	open	--	8	100%

Solaia Boiler

SL375	EZ-1 Select	7" EZ-1	99843	3 3/4	0.60	60B	Delavan	60S Steinen	150	blank	--	1	50%
SL4100	EZ-1 Select	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	45W Delavan	150	blank	--	3	63%
SL5125	EZ-1 Select	7" EZ-1	99843	3 3/4	1.00	60B	Delavan	60S Steinen	150	blank	--	4	75%
SL6150	EZ-66	7" WS-R	51663	4	1.10	60W	Delavan	60B Hago	175	3 slot	--	3.5	40%
SL7165	EZ-66	7" WS-R	51663	4	1.25	60B	Delavan	45B Delavan	175	3 slot	--	4	40%
SL8190	EZ-66	7" WS-R	51663	4	1.50	60B	Delavan	45B Delavan	175	3 slot	--	4.5	70%
SLD375	EZ-1 Select	9" EZ-1	50285	3 3/4	0.60	60B	Delavan	60S Steinen	150	blank	--	1	55%
SL4100	EZ-1 Select	9" EZ-1	50285	3 3/4	0.85	45B	Delavan	60S Steinen	150	blank	--	2	63%
SL5125	EZ-1 Select	9" EZ-1	50285	3 3/4	1.00	60B	Hago	60S Steinen	150	blank	--	3	95%
Pre 2021 below													
SL375	EZ-1HP	7" EZ-1	99843	3 3/4	0.60	60W	Delavan	45W Delavan	150	blank	0.60/0.65	1	0.60 (45%)
SL4100	EZ-1HP	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	45W Delavan	150	blank	0.85/1.00	3	0.85 (65%)
SL5125	EZ-1HP	7" EZ-1	99843	3 3/4	1.00	60B	Delavan	45B Delavan	150	blank	0.85/1.00	3	1.00 (75%)
SL6150	EZ-1HP	7" EZ-1	99843	3 3/4	1.25	45B	Delavan	60B Delavan	150	blank	1.10/1.25	4	1.25 (95%)

SL6, SL7, and SL8 with EZ-66 burner use 2-step pump with 2 second time delay

Solaia Forte Boiler

SF3100	EZ-1 Select	11" EZ-1	51697	4 3/4	0.85	70B	Delavan	70S Steinen	150	blank	--	2	40%
SF3115	EZ-1 Select	11" EZ-1	51697	4 3/4	0.90	70B	Delavan		160	blank	--	2	45%
SF4125	EZ-1 Select	11" EZ-1	51697	4 3/4	1.00	70B	Delavan	60S Steinen	155	blank	--	3	45%
SF4140	EZ-1 Select	11" EZ-1	51697	4 3/4	1.10	70B	Delavan		160	blank	--	3	50%
SF5150	EZ-1 Select	11" EZ-1	51697	4 3/4	1.25	60B	Delavan	60S Steinen	150	blank	--	4	50%
SF5170	EZ-1 Select	11" EZ-1	51697	4 3/4	1.35	60B	Delavan		170	blank	--	4	60%
SF6175	EZ-1 Select	11" EZ-1	51697	4 3/4	1.50	45B	Delavan		150	blank	--	5	65%

SF5 and SF6 with EZ-66 burner use 2-step pump with 2 second time delay

Solar Ray Systems

75	EZ-1HP	7" EZ-1	97629	3 1/2	0.50	30B	Delavan		140	EZ-1	0.60/0.65	1	0.50 (30%)
100	EZ-1HP	7" EZ-1	97629	3 1/2	0.65	30B	Delavan		140	EZ-1	0.60/0.65	1	1.00 (65%)
125	EZ-1HP	7" EZ-1	97629	3 1/2	0.75	30B	Delavan		150	EZ-1	0.60/0.65	1	1.25 (95%)
150	EZ-1HP	7" EZ-1	97629	3 1/2	0.85	30B	Delavan		150	EZ-1	0.60/0.65	1	Open

Spirit Furnace

VLR/F-DCP	EZ-1HP	6.5" EZ-1	98625	5 7/8	0.55	70A	Delavan	60W Delavan	140	blank	0.50	0	0.50 (30%)	
					*	0.65	60A	Delavan	70W Delavan	140	blank	0.60/0.65	1	0.60 (45%)
						0.75	60A	Delavan	70W Delavan	140	blank	0.75	2	0.65 (50%)
						0.85	60A	Delavan	70W Delavan	140	blank	0.85/1.00	3	0.80 (60%)
VHF-ACP/ VHF-ACT	EZ-1HP	5" EZ-1	51242	4 1/2	0.50	60A	Delavan	60W Delavan	120	blank	0.50	0	0.40 (25%)	
					*	0.60	60A	Delavan	70W Delavan	120	blank	0.60/0.65	1	0.50 (30%)
						0.75	60A	Delavan	70W Delavan	120	blank	0.75	2	0.70 (50%)

* Factory Settings

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Superior Boiler Co.

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

OB-083	EZ-1	7" EZ-1	97823	1 1/2	0.65	70B	Delavan		100	blank	0.60/0.65	1	0.65 (40%)
OB-121	EZ-1	7" EZ-1	97823	1 1/2	1.00	70B	Delavan		100	blank	0.85/1.00	3	1.00 (60%)
OB-148	EZ-1	7" EZ-1	97823	1 1/2	1.25	70A	Delavan		100	blank	1.10/1.25	4	1.25 (70%)
OB-196	EZ-1	7" EZ-1	97823	1 1/2	1.65	70B	Delavan		100	blank	1.65	6	1.65 (85%)
OB-257	102CRD-3	7" B	97835	1 1/8	2.00	60W	Delavan		100	3 slot	--	4	40%

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

OB-083	EZ-1	7" EZ-1	97823	1 1/2	0.55	70B	Delavan		140	blank	0.60/0.65	1	0.65 (40%)
OB-121	EZ-1	7" EZ-1	97823	1 1/2	0.85	70B	Delavan		140	blank	0.85/1.00	3	1.00 (60%)
OB-148	EZ-1	7" EZ-1	97823	1 1/2	1.00	70A	Delavan		155	blank	1.10/1.25	4	1.25 (70%)
OB-196	EZ-1	7" EZ-1	97823	1 1/2	1.35	70B	Delavan		150	blank	1.65	6	1.65 (85%)
OB-257	102CRD-3	7" B	97835	1 1/8	1.65	60W	Delavan		145	3 slot	--	4	40%

¹ EZ-1 burner may be equipped with a 5" air tube. OEM air tube # 98038

Air Band settings are approximate. Adjust with instruments for proper combustion.

SuperStor Water Heater

HTP30C	100CRD	7" STD	96544	6	0.60	70A	Delavan		155	blank	--	0-2	50%
HTP50C	100CRD	7" STD	96544	6	0.85	70A	Delavan		140	blank	--	2-4	100%
HTP70C	100CRD	7" STD	96544	6	0.85	70A	Delavan		140	blank	--	2-4	100%
HTP30C ¹	EZ-1	7" EZ-1	96520	6	0.60	70A	Delavan		155	EZ-1	--	1	0.75 (45%)
HTP50C ¹	EZ-1	7" EZ-1	96520	6	0.85	70A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (60%)
HTP70C	EZ-1	7" EZ-1	96520	6	0.85	70A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (60%)
SJ-30C	EZ-1	7" EZ-1	96520	6	0.55	70A	Delavan		140	EZ-1	0.60/0.65	1	0.65 (40%)
SJ-30C ¹	EZ-1	7" EZ-1	96520	6	0.60	70A	Delavan		155	EZ-1	0.75	2	0.75 (45%)
SJ-50C ¹	EZ-1	7" EZ-1	96520	6	0.85	70A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (60%)

¹ For long life of water heater use a 0.65 70A Delavan nozzle @ 100 psig. Set air band @ 0.65 and use 0.60/ 0.65 head bar.

Supreme Boilers

D1-20-5	301CRD	14"C	50514	3 3/4	5.00	70B	Delavan		150	--	--	3/4	100%
D4-100-5	1150FFD	STD 4" SP	48520	6	LF 12.00 2HF 9.00	45SS	Hago		100	--	--	7/8	11/16

Sure Comfort

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

ROCA/ROLA-070*04	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan		100	blank	0.60/0.65	1	0.60 (35%)
					0.75	70A	Delavan		100	blank	0.75	2	0.75 (45%)
					0.85	70A	Delavan		100	blank	0.85/1.00	3	0.85 (50%)
ROCA/ROLA-115*05	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago		100	blank	0.85/1.00	3	1.00 (60%)
					1.25	60SS	Hago		100	blank	1.10/1.25	4	1.25 (70%)

**ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

ROCA/ROLA-070*04	EZ-1	7" EZ-1	98685	5 1/2	0.50	70A	Delavan		145	blank	0.60/0.65	1	0.60 (35%)
					0.60	70A	Delavan		155	blank	0.75	2	0.75 (45%)
					0.65	70A	Delavan		170	blank	0.85/1.00	3	0.85 (50%)
ROCA/ROLA-115*05	EZ-1	9" EZ-1	98686	8	0.85	60SS	Hago		140	blank	0.85/1.00	3	1.00 (60%)
					1.00	60SS	Hago		155	blank	1.10/1.25	4	1.25 (70%)
ROCB-072*04	EZ-LF	9" 12D	50796	4 1/4	0.50	60A	Delavan	60W Delavan	165	blank	0.60/0.65	1	25%
					0.60	60A	Delavan	60W Delavan	165	blank	0.60/0.65	1	45%
ROCB-118*05M	EZ-LF	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	0.60/0.65	1	0.65 (50%)
					0.75	60A	Delavan		175	blank	0.75	2	0.75 (55%)
					0.85	60A	Delavan		175	blank	0.85/1.00	3	0.85 (60%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Tekton Corporation

AR6	99FRD	5" WS	N/A	2 1/4	1.35	60A	Delavan		150	blank	--	4	50%
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Therma-Flow/ Everhot

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
E30GL	EZ-1	9" EZ-1	96711	6 5/16	0.65	70A	Delavan	60A Delavan	100	blank	0.60/0.65	1	0.65 (40%)
E50GL	EZ-1	9" EZ-1	96711	6 5/16	0.85	70A	Delavan	60A Delavan	100	blank	0.85/1.00	3	0.85 (50%)
E70GL	EZ-1	9" EZ-1	96711	6 5/16	1.00	70A	Delavan		100	blank	0.85/1.00	3	1.00 (60%)
**ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
E30GL	EZ-1	9" EZ-1	96711	6 5/16	0.55	60A	Delavan		140	blank	0.60/0.65	1	0.65 (40%)
E50GL	EZ-1	9" EZ-1	96711	6 5/16	0.65	60A	Delavan		170	blank	0.85/1.00	3	0.85 (50%)
E70GL	EZ-1	9" EZ-1	96711	6 5/16	0.85	70A	Delavan		140	blank	0.85/1.00	3	1.00 (60%)
E30C	EZ-1	9" EZ-1	96711	6 5/16	0.55	70A	Delavan		140	blank	0.60/0.65	1	0.65 (40%)
S30GL	EZ-1	9" EZ-1	96711	6 5/16	0.55	60A	Delavan		140	blank	0.60/0.65	1	0.65 (40%)
S50GL	EZ-1	9" EZ-1	96711	6 5/16	0.65	60A	Delavan		170	blank	0.85/1.00	3	0.85 (50%)
S30GL-DV	EZ-1	9" EZ-1	96711	6 5/16	0.55	60A	Delavan		140	Air Boot	0.60/0.65	1	0.60 (35%)
S50 GL-DV	EZ-1	9" EZ-1	96711	6 5/16	0.60	60A	Delavan		170	Air Boot	0.85/1.00	3	0.85 (50%)
S30GL	100CRD	9" STD	96653	6 5/16	0.55	60A	Delavan		140	blank	--	1/2	40%
E50GL/E50C	100CRD	9" STD	96653	6 5/16	0.60	60A	Delavan		170	blank	--	2-3	60%
E70GL	100CRD	9" STD	96653	6 5/16	0.85	60A	Delavan		140	blank	--	3/4	80%

Thermo-Dynamics Boiler Co.

CWL-85	EZ-1HP	5" EZ-1	96865 ¹	3	0.70	60W	Delavan		150	blank	0.75	2	0.65 (50%)
CWL-90	EZ-1HP	5" EZ-1	96865 ¹	3	0.75	60W	Delavan		150	blank	0.75	2	0.75 (55%)
CWL-100	EZ-1HP	5" EZ-1	96865 ¹	3	0.85	60W	Delavan		150	blank	0.85/1.00	3	0.85 (60%)
CWL-110	EZ-1HP	5" EZ-1	96865 ¹	3	0.90	60W	Delavan		150	blank	0.85/1.00	3	0.90 (65%)
CWL-85-DV	EZ-1HP	9" EZ-1	50371	3	0.70	60W	Delavan		150	blank	0.75	2	0.65 (50%)
CWL-90-DV	EZ-1HP	9" EZ-1	50371	3	0.75	60W	Delavan		150	blank	0.75	2	0.75 (55%)
CWL-100-DV	EZ-1HP	9" EZ-1	50371	3	0.85	60W	Delavan		150	blank	0.85/1.00	3	0.85 (60%)
CWL-110-DV	EZ-1HP	9" EZ-1	50371	3	0.90	60W	Delavan		150	blank	0.85/1.00	3	1.00 (75%)
¹ For 4" air tube use part # 98024.													
DV burners equipped with burner cover.													
LM-75	EZ-1HP	7" EZ-1	91711	3 3/4	0.65	60A	Delavan		140	blank	0.75	2	0.60 (35%)
LM-90	EZ-1HP	7" EZ-1	91711	3 3/4	0.75	60A	Delavan		140	blank	0.75	2	0.75 (45%)
LM-100	EZ-1HP	7" EZ-1	91711	3 3/4	0.85	60A	Delavan		140	blank	0.85/1.00	3	0.85 (50%)
LM-110	EZ-1HP	7" EZ-1	91711	3 3/4	0.90	60B	Delavan		140	blank	1.10/1.25	4	0.75 (45%)
LM-125	EZ-1HP	7" EZ-1	91711	3 3/4	1.00	60B	Delavan		140	blank	1.10/1.25	4	1.25 (70%)
LM-135	EZ-1HP	7" EZ-1	91711	3 3/4	1.10	60B	Delavan		140	blank	1.35/1.50	5	1.35 (75%)
LM-150	EZ-1HP	7" EZ-1	91711	3 3/4	1.25	60B	Delavan		140	blank	1.10/1.25	4	1.25 (75%)
LMD-75	EZ-1HP	9" EZ-1	50238	3 3/4	0.65	60A	Delavan		140	blank	0.75	2	0.50 (30%)
LMD-90	EZ-1HP	9" EZ-1	50238	3 3/4	0.75	60A	Delavan		140	blank	0.75	2	0.75 (45%)
LMD-100	EZ-1HP	9" EZ-1	50238	3 3/4	0.85	60A	Delavan		140	blank	0.85/1.00	3	0.85 (50%)
LMD-110	EZ-1HP	9" EZ-1	50238	3 3/4	0.90	60B	Delavan		140	blank	1.10/1.25	4	0.75 (45%)
LMD-125	EZ-1HP	9" EZ-1	50238	3 3/4	1.00	60B	Delavan		140	blank	1.10/1.25	4	1.25 (75%)
HT-90	EZ-1HP	7" EZ-1	91711	3 3/4	0.75	60A	Delavan		140	blank	0.85/1.00	3	1.00 (60%)
HT-100	EZ-1HP	7" EZ-1	91711	3 3/4	0.85	60A	Delavan		140	blank	0.85/1.00	3	1.00 (60%)
HT-110	EZ-1HP	7" EZ-1	91711	3 3/4	0.90	60A	Delavan		140	blank	1.10/1.25	4	1.25 (70%)
HT-125	EZ-1HP	7" EZ-1	91711	3 3/4	1.00	60A	Delavan		140	blank	1.10/1.25	4	1.25 (70%)
HT-135	EZ-1HP	7" EZ-1	91711	3 3/4	1.10	60A	Delavan		140	blank	1.35/1.50	5	1.50 (80%)
HT-150	EZ-1HP	7" EZ-1	91711	3 3/4	1.25	60A	Delavan		140	blank	1.35/1.50	5	1.50 (80%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Thermo-Dynamics Boiler Co. cont'd

HT-90-DV	EZ-1HP	7" EZ-1	91711	3 3/4	0.75	60A	Delavan		140	blank	0.85/1.00	3	1.00 (65%)
HT-100-DV	EZ-1HP	7" EZ-1	91711	3 3/4	0.85	60A	Delavan		140	blank	0.85/1.00	3	1.00 (65%)
HT-110-DV	EZ-1HP	7" EZ-1	91711	3 3/4	0.90	60A	Delavan		140	blank	1.10/1.25	4	1.25 (75%)
HT-125-DV	EZ-1HP	7" EZ-1	91711	3 3/4	1.00	60B	Delavan		140	blank	1.10/1.25	4	1.25 (75%)
S-85	EZ-1HP	5" EZ-1	91706	1 3/4	0.65	60A	Delavan		140	EZ-1	0.75	2	0.85 (50%)
S-100	EZ-1HP	5" EZ-1	91706	1 3/4	0.75	60A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (60%)
S-110	EZ-1HP	5" EZ-1	91706	1 3/4	0.85	60A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (65%)
S-125	EZ-1HP	5" EZ-1	91706	1 3/4	1.00	60A	Delavan		140	EZ-1	0.85/1.00	3	1.10 (70%)
S-135	EZ-1HP	5" EZ-1	91706	1 3/4	1.10	60A	Delavan		140	EZ-1	1.10/1.25	4	1.25 (75%)
S-150	EZ-1HP	5" EZ-1	91706	1 3/4	1.25	60A	Delavan		140	EZ-1	1.10/1.25	4	1.15 (80%)
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
S-85	99FRD	5" WS	N/A	2	0.85	60A	Delavan		100	blank	--	2-3	25%
S-100	99FRD	5" WS	N/A	2	1.00	60A	Delavan		100	blank	--	3	30%
S-110	99FRD	5" WS	N/A	2	1.10	60A	Delavan		100	blank	--	3/4	35%
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
S-85	99FRD	5" WS	N/A	2	0.65	60A	Delavan		140	blank	--	3	50%
S-100	99FRD	5" WS	N/A	2	0.75	60A	Delavan		140	blank	--	3	60%
S-110	99FRD	5" WS	N/A	2	0.90	60A	Delavan		140	blank	--	4-Jan	65%
TDX 90	EZ-1HP	5" EZ-1	97379	1 3/4	0.75	60B	Delavan	45B Delavan	150	blank	0.75	2	0.75 (55%)
TDX 100	EZ-1HP	5" EZ-1	97379	1 3/4	0.85	60B	Delavan	45W Delavan	150	blank	0.85/1.00	3	0.85 (60%)
TDX 110	EZ-1HP	5" EZ-1	97379	1 3/4	0.90	60B	Delavan	60W Delavan	150	blank	0.85/1.00	3	0.85 (60%)
TDX 125	EZ-1HP	5" EZ-1	97379	1 3/4	1.00	60B	Delavan	60W Delavan	150	blank	0.85/1.00	3	1.00 (70%)
TDX 90DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.75	60B	Delavan	60W Delavan	150	blank	0.75	2	0.75 (55%)
TDX 100DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.85	60B	Delavan	60W Delavan	150	blank	0.85/1.00	3	0.85 (65%)
TDX 110DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.90	60B	Delavan	60W Delavan	150	blank	0.85/1.00	3	1.10 (75%)
TDX 125DV	EZ-1HP	5" EZ-1	97379	1 3/4	1.00	60B	Delavan	60W Delavan	150	blank	0.85/1.00	3	1.10 (75%)
DV burners equipped with burner cover.													

Thermoflo/ Metzger/ Williamson

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
LBO/HBO 85	EZ-1	7" EZ-1	96752	5 1/2	0.60	70A	Delavan		100	EZ-1	0.60/0.65	1	0.60 (35%)
LBO/HBO 105	EZ-1	7" EZ-1	96752	5 1/2	0.75	70A	Delavan		100	EZ-1	0.75	2	0.75 (45%)
LBO/HBO 120	EZ-1	7" EZ-1	96752	5 1/2	0.85	70A	Delavan		100	EZ-1	0.85/1.00	3	0.85 (50%)
LBO/HBO 140	EZ-1	9" EZ-1	96780	8	1.00	60SS	Hago		100	EZ-1	0.85/1.00	3	1.00 (60%)
LBO/HBO 175	EZ-1	9" EZ-1	96780	8	1.25	60SS	Hago		100	EZ-1	1.10/1.25	4	1.25 (70%)
LBO/HBO 245	EZ-2HP	11" EZ-2	96772	10	1.50	70B	Delavan		140	EZ-2	1.65/1.75	4.5	1.75 (35%)
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
LBO/HBO 85	EZ-1	7" EZ-1	96752	5 1/2	0.50	70A	Delavan		145	EZ-1	0.60/0.65	1	0.60 (35%)
LBO/HBO 105	EZ-1	7" EZ-1	96752	5 1/2	0.60	70A	Delavan		155	EZ-1	0.75	2	0.75 (45%)
LBO/HBO 120	EZ-1	7" EZ-1	96752	5 1/2	0.65	70A	Delavan		170	EZ-1	0.85/1.00	3	0.85 (50%)
LBO/HBO 140	EZ-1	9" EZ-1	96780	8	0.85	60SS	Hago		140	EZ-1	0.85/1.00	3	1.00 (60%)
LBO/HBO 175	EZ-1	9" EZ-1	96780	8	1.00	60SS	Hago		155	EZ-1	1.10/1.25	4	1.25 (70%)
LBO/HBO 245	EZ-2HP	11" EZ-2	96772	10	1.50	70B	Delavan		140	EZ-2	1.65/1.75	4.5	1.75 (35%)
LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
T164-10A	EZ-1HP	7" EZ-1	98245	6 1/2	0.65	70A	Delavan		100	EZ-1	0.60/0.65	1	0.60 (35%)
					0.75	70A	Delavan		100	EZ-1	0.75	2	0.75 (45%)
					0.85	70A	Delavan		100	EZ-1	0.85/1.00	3	0.85 (50%)
					1.00	70A	Delavan		100	EZ-1	0.85/1.00	3	1.00 (60%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Thermoflo/ Metzger/ Williamson cont'd

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

T164-10A	EZ-1HP	7" EZ-1	98245	6 1/2	0.55	70A	Delavan		140	EZ-1	0.60/0.65	1	0.60 (35%)
					0.60	70A	Delavan		155	EZ-1	0.75	2	0.75 (45%)
					0.65	70A	Delavan		170	EZ-1	0.85/1.00	3	0.85 (50%)
					0.85	70A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (60%)

Thermo Pride

O(H,L,D)6	EZ-1HP	5" EZ-1	51242	4 1/2	0.50	60A	Delavan	60AH Danfoss	120	blank	0.50	0	0.40 (25%)
					* 0.60	60A	Delavan	60W Delavan	120	blank	0.60/0.65	1	0.50 (30%)
					0.75	60A	Delavan	60B Delavan	120	blank	0.75	2	0.70 (50%)
O(H,L,)8	EZ-1HP	5" EZ-1	51242	4 1/2	0.75	60A	Delavan	60B Delavan	140	blank	0.75	2	0.80 (50%)
					* 0.85	60A	Delavan		140	blank	0.85/1.00	3	1.00 (65%)
					0.90	60A	Delavan	70A Delavan	140	blank	0.85/1.00	3	1.20 (70%)
O(H,L,T,C)5-85	EZ-1HP	9" EZ-1	99002	7 3/4	0.65	70A	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
O(H,L,T)11-105	EZ-1HP	9" EZ-1	99002	7 3/4	0.75	70A	Delavan		150	blank	0.75	2	0.75 (55%)
O(H,L,T)16-125	EZ-1HP	9" EZ-1	99002	7 3/4	1.00	70W	Delavan		150	blank	0.85/1.00	3	1.00 (75%)
OME-72D36	EZ-1	3 1/4" EZ-1	51727	3 1/4"	0.50	70A	Delavan	70W Delavan	120	blank	0.50	0	35%
					0.60	70A	Delavan	70W Delavan	120	blank	0.60/0.65	1	60%

* Factory settings: OH6 pump pressure set at 120 PSI and OH8 pump pressure set at 140 PSI.

Trent Metals

SMP007	EZ-1	5" EZ-1	97681	3 7/8	0.65	60AB	Danfoss		140	EZ-1	0.60/0.65	1	0.65 (40%)
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Trianco

MAX/ DMAX-075	EZ-1HP	5" EZ-1	N/A	3 3/4	0.65	60B	Delavan		150	EZ-1	0.60/0.65	1	0.65 (50%)
MAX/ DMAX-100	EZ-1HP	5" EZ-1	N/A	3 3/4	0.85	60B	Delavan		150	EZ-1	0.85/1.00	3	0.85 (65%)
MAX/ DMAX-120	EZ-1HP	5" EZ-1	N/A	3 3/4	1.00	60B	Delavan		150	EZ-1	0.85/1.00	3	1.00 (75%)
MAX/ DMAX-140	EZ-1HP	5" EZ-1	N/A	3 3/4	1.25	60B	Delavan		150	EZ-1	1.10/1.25	4	1.25 (95%)
MAX/ DMAX-165	EZ-1HP	5" EZ-1	N/A	3 3/4	1.35	60B	Delavan		150	EZ-1	1.35/1.50	5	1.35 (95%)

¹ MAX uses a 40200 control. DMAX uses a 60200 15/120 control.

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

DBC-85	EZ-1	5" EZ-1	N/A	2 5/8	0.75	60A	Delavan		100	EZ-1	0.75	2	0.75 (45%)
DBC-100	EZ-1	5" EZ-1	N/A	2 5/8	0.85	60A	Delavan		100	EZ-1	0.85/1.00	3	0.85 (50%)
DBC-115	EZ-1	5" EZ-1	N/A	2 5/8	1.00	60A	Delavan		100	EZ-1	0.85/1.00	3	1.00 (60%)
DBC-125	EZ-1	5" EZ-1	N/A	2 5/8	1.10	60B	Delavan		100	EZ-1	1.10/1.25	4	1.10 (65%)
DBC-140	EZ-1	5" EZ-1	N/A	2 5/8	1.25	60B	Delavan		100	EZ-1	1.10/1.25	4	1.25 (70%)
DBC-155	EZ-1	5" EZ-1	N/A	2 5/8	1.35	60B	Delavan		100	EZ-1	1.35/1.50	5	1.35 (75%)
DBC-175	EZ-2	5" EZ-2/3	90860	3 3/4	1.50	60A	Delavan		100	EZ-2	1.50	4	1.50 (15%)
DBC-200	EZ-2	5" EZ-2/3	90860	3 3/4	1.75	60A	Delavan		100	EZ-2	1.65/1.75	5	1.75 (35%)
DBC-230	EZ-2	5" EZ-2/3	90860	3 3/4	2.00	60A	Delavan		100	EZ-2	2.00	5.5	2.00 (50%)

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

DBC-85	EZ-1	5" EZ-1	N/A	2 5/8	0.60	60A	Delavan		155	EZ-1	0.75	2	0.75 (45%)
DBC-100	EZ-1	5" EZ-1	N/A	2 5/8	0.65	60A	Delavan		170	EZ-1	0.85/1.00	3	0.85 (50%)
DBC-115	EZ-1	5" EZ-1	N/A	2 5/8	0.85	60A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (60%)
DBC-125	EZ-1	5" EZ-1	N/A	2 5/8	0.90	60B	Delavan		150	EZ-1	1.10/1.25	4	1.10 (65%)
DBC-140	EZ-1	5" EZ-1	N/A	2 5/8	1.00	60B	Delavan		155	EZ-1	1.10/1.25	4	1.25 (70%)
DBC-155	EZ-1	5" EZ-1	N/A	2 5/8	1.10	60B	Delavan		150	EZ-1	1.35/1.50	5	1.35 (75%)
DBC-175	EZ-2	5" EZ-2/3	90860	3 3/4	1.20	60A	Delavan		155	EZ-2	1.50	4	1.50 (15%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Trianco cont'd

DBC-200	EZ-2	5" EZ-2/3	90860	3 3/4	1.35	60A	Delavan		170	EZ-2	1.65/1.75	5	1.75 (35%)
DBC-230	EZ-2	5" EZ-2/3	90860	3 3/4	1.65	60A	Delavan		145	EZ-2	2.00	5.5	2.00 (50%)
DBC-85	100CRD	5" STD	N/A	3 3/4	0.60	60A	Delavan		155	blank	--	1	45%
DBC-100	100CRD	5" STD	N/A	3 3/4	0.60	60A	Delavan		170	blank	--	1	50%
DBC-115	100CRD	5" STD	N/A	3 3/4	0.85	60A	Delavan		140	blank	--	3	70%
DBC-125	100CRD	5" STD	N/A	3 3/4	0.90	60A	Delavan		150	blank	--	3	80%
DBC-140	100CRD	5" STD	N/A	3 3/4	1.00	60A	Delavan		155	blank	--	4	100%
DBC-155	100CRD	5" STD	N/A	3 3/4	1.10	60A	Delavan		150	blank	--	4	100%
HC100	99FRD	5" WS	47597	4	0.75	45R	Monarch		150	blank	--	2	30%
HC125	99FRD	5" WS	47597	4	0.85	45R	Monarch		150	blank	--	2	35%
HC145	99FRD	5" WS	47597	4	1.00	45R	Monarch		150	blank	--	2 1/2	45%
HC175	99FRD	5" WS	47597	4	1.25	45R	Monarch		150	blank	--	3	60%
NP-75	EZ-1HP	5" EZ-1	98246	2 3/4	0.60	60A	Delavan	60B Delavan	150	EZ-1	0.60/0.65	1	0.60 (45%)
NP-85	EZ-1HP	5" EZ-1	98246	2 3/4	0.70	60A	Delavan	60B Delavan	150	EZ-1	0.60/0.65	1	0.70 (55%)
NP-100	EZ-1HP	5" EZ-1	98246	2 3/4	0.85	60A	Delavan	60B Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
NP-110	EZ-1HP	5" EZ-1	98246	2 3/4	0.90	60A	Delavan	60B Delavan	150	EZ-1	0.85/1.00	3	0.90 (65%)
NP-125	EZ-1HP	5" EZ-1	98246	2 3/4	1.00	60A	Delavan	60B Delavan	150	EZ-1	0.85/1.00	3	1.00 (75%)
NP-135	EZ-1HP	5" EZ-1	98246	2 3/4	1.10	60B	Delavan	60A Delavan	150	EZ-1	1.10/1.25	4	1.10 (75%)
NP-150	EZ-1HP	5" EZ-1	98246	2 3/4	1.25	60B	Delavan	60A Delavan	150	EZ-1	1.10/1.25	4	1.25 (95%)
TOC148/ TRO136	99FRD	5" WS	47597	4	1.00	45R	Monarch		150	blank	--	2 1/2	45%
TOC166/ TRO162	99FRD	5" WS	47597	4	1.10	45R	Monarch		150	blank	--	3	55%
TOC203/ TRO 194	99FRD	5" WS	47597	4	1.35	45R	Monarch		150	blank	--	4	70%

Triangle Tube Phase III

F-25	EZ-1HP	5" EZ-1	9831101	2 5/8	0.60	60A	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
F-30	EZ-1HP	5" EZ-1	9831101	2 5/8	0.65	60W	Delavan		150	blank	0.60/0.65	1	0.75 (55%)
F-35	EZ-1HP	5" EZ-1	9831101	2 5/8	0.85	70B	Delavan		150	blank	0.85/1.00	3	0.85 (65%)
F-25 DV	EZ-1HP	5" EZ-1	9831101	2 5/8	0.60	60A	Delavan		150	Air Boot	0.60/0.65	1	0.65 (50%)
F-30 DV	EZ-1HP	5" EZ-1	9831101	2 5/8	0.65	60W	Delavan		150	Air Boot	0.60/0.65	1	0.85 (65%)
F-35 DV	EZ-1HP	5" EZ-1	9831101	2 5/8	0.85	70B	Delavan		150	Air Boot	0.85/1.00	3	1.20 (85%)

Ultimate Boilers

PFO-3	EZ-1HP	7" EZ-1	N/A	4 3/8	0.55	60A	Delavan		150	blank	0.50	0	0.50 (30%)
					0.60	60A	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
					0.75	60A	Delavan		150	blank	0.75	2	0.75 (55%)
PFO-3T	EZ-1HP	7" EZ-1	N/A	4 5/8	0.55	60A	Delavan		150	blank	0.50	0	0.50 (30%)
					0.65	60A	Delavan		150	blank	0.60/0.65	1	0.65 (50%)
					0.90	60A	Delavan		150	blank	0.85/1.00	3	0.85 (65%)
PFO-4	EZ-1HP	7" EZ-1	N/A	4 5/8	0.55	60A	Delavan		150	blank	0.50	0	0.50 (30%)
					0.75	60A	Delavan		150	blank	0.75	2	0.75 (55%)
					1.10	60A	Delavan		150	blank	1.10/1.25	4	1.10 (75%)
PFO-4T	EZ-1HP	7" EZ-1	N/A	4 5/8	0.55	60A	Delavan		150	blank	0.50	0	0.50 (30%)
					0.85	60A	Delavan		150	blank	0.85/1.00	3	0.85 (65%)
					1.20	60A	Delavan		150	blank	1.10/1.25	4	1.20 (85%)
PFO-5	EZ-1HP	7" EZ-1	N/A	4 5/8	0.60	60A	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
					0.85	60A	Delavan		150	blank	0.85/1.00	3	0.85 (65%)
PFO-5	EZ-2HP	7" EZ-2/3	N/A	4 5/8	1.35	60A	Delavan		150	EZ-2	1.50	4	1.65 (20%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Ultimate Boilers cont'd

PFO-5T	EZ-1HP	7" EZ-1	N/A	4 5/8	0.65	60A	Delavan		150	blank	0.60/0.65	1	0.65 (50%)
					1.00	60A	Delavan		150	blank	0.85/1.00	3	1.00 (75%)
PFO-5T	EZ-2HP	7" EZ-2/3	N/A	4 5/8	1.35	60A	Delavan		150	EZ-2	1.50	4	1.75 (35%)
PFO-6T	EZ-1HP	7" EZ-1	N/A	4 5/8	0.75	60A	Delavan		150	blank	0.75	2	0.65 (50%)
					1.20	60A	Delavan		150	blank	1.10/1.25	4	1.10 (75%)
PFO-6T	102CRD-3	7" B	N/A	4 5/8	1.75	60A	Delavan		150	3 slot	--	6	55%
PFO-7	EZ-1HP	7" EZ-1	N/A	4 5/8	0.85	60A	Delavan		150	blank	0.85/1.00	3	0.60 (45%)
					1.25	60A	Delavan		150	blank	1.10/1.25	5	1.15 (80%)
PFO-7	102CRD-3	7" B	N/A	4 5/8	1.75	60A	Delavan		195	3 slot	--	9	55%
PFO-8T	EZ-1HP	7" EZ-1	N/A	4 5/8	1.00	60A	Delavan		150	blank	0.85/1.00	3	0.85 (65%)
PFO-8T	EZ-2HP	7" EZ-2/3	N/A	4 5/8	1.50	60A	Delavan		150	EZ-2	1.50	4	2.15 (55%)
PFO-8T	102CRD-3	7" B	N/A	4 5/8	2.25	60A	Delavan		150	3 slot	--	8	85%
PFO-9	EZ-1HP	7" EZ-1	N/A	4 5/8	1.10	60A	Delavan		150	blank	1.10/1.25	4	0.90 (65%)
PFO-9	102CRD-3	7" B	N/A	4 5/8	1.65	60B	Delavan		150	3 slot	--	5	55%
					2.50	60B	Delavan		150	open	--	8	100%

Utica Boilers

HS800	102CRD	5" B	48553	1 5/8	3.00	60B	Delavan		100	open	--	0	100%
HS900	102CRD	5" B	48553	1 5/8	3.25	60B	Delavan		100	open	--	0	100%
HS1000	201CRD	7"	48769	1 3/4	4.00	70B	Delavan		100	--	--	11/16	90%

Starfire IV series

SFH3085	EZ-1HP	7" EZ-1	95869	2 1/2	0.75	70B	Delavan	70A Delavan	130	blank	0.75	2	45%
SFH3100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A Delavan	140	blank	0.85/1.00	3	55%
SFH4100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A Delavan	140	blank	0.85/1.00	3	52%
SFH4125	EZ-1HP	7" EZ-1	95869	2 1/2	1.00	70B	Delavan	70A Delavan	155	blank	0.85/1.00	3	70%
SFH4145	EZ-1HP	7" EZ-1	95869	2 1/2	1.20	70B	Delavan	70B Hago	145	blank	1.10/1.25	4	78%
SFH5160	EZ-2HP	7" EZ-1	95869	2 1/2	1.35	70B	Delavan	70AS Danfoss	140	3 slot	0.85/1.00	3	20%
SFH5185	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	70B	Delavan	70AS Danfoss	155	3 slot	1.50	4	30%
SFH6175	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	60B	Delavan	60B Hago	140	3 slot	1.50	4	35%
SFH6185	EZ-2HP	7" EZ-1	95869	2 1/2	1.65	60B	Delavan		125	3 slot	1.65/1.75	4.5	32%
SFH6210	EZ-2HP	7" EZ-1	95869	2 1/2	1.75	70AS	Danfoss	60ES Hago	145	4 slot	1.65/1.75	4.5	65%
SFE3090	EZ-1HP	7" EZ-1	95869	2 1/2	0.75	70B	Delavan	70A Delavan	145	blank	0.75	2	45%
SFE4125	EZ-1HP	7" EZ-1	95869	2 1/2	1.00	70B	Delavan	70A Delavan	155	blank	0.85/1.00	3	70%
SFE5185	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	70B	Delavan	60W Delavan	155	3 slot	1.50	4	40%
SFE6210	EZ-2HP	7" EZ-1	95869	2 1/2	1.65	60B	Delavan	45B Delavan	165	3 slot	2.00	5.5	30%
TRC-3067	EZ-LF Select ¹	7" · 12D	50887	3	0.55	70B	Delavan		150	blank	-	0.5	40% ³
TRC-4098	EZ-LF Select ¹	7" · 12D	50887	3	0.85	70B	Delavan	70S Steinen	150	blank	-	2.5	75%
TRC-5123	EZ-1 Select	7" EZ-1	50284	3	0.90	70W	Delavan	70A Delavan	190	blank	-	3	75%
TRC-6154	EZ-1 Select	7" EZ-1	50284	3	1.10	45W	Delavan	70W Delavan	200	EZ-1	-	5	90%

¹ Burner equipped with a 36 hole blender

³ Single slot air band

TRC-5 and TRC-6 burners are equipped with a 2-step pump with 2 second time delay

SFH3100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A Delavan	150	EZ-1	0.85/1.00	3	0.85 (65%)
SFH4150	EZ-1HP	7" EZ-1	95869	2 1/2	1.25	70B	Delavan		150	EZ-1	1.10/1.25	4	1.25 (95%)
SFH5200	EZ-2HP	7" EZ-2	95877	2 1/2	1.65	70B	Delavan		150	EZ-2	1.65/1.75	4.5	1.65 (100%)

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

SF 365	99FRD	5" WS	N/A	1 1/4	0.65	70B	Delavan		100	blank	--	1/2	20%
SF 3100	99FRD	5" WS	N/A	1 1/4	1.00	70B	Delavan		100	blank	--	3	30%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Utica Boilers cont'd

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023													
SF 4125	99FRD	5" WS	N/A	1 1/4	1.25	70B	Delavan		100	blank	--	4	40%
SF 4150	99FRD	5" WS	N/A	1 1/4	1.50	70B	Delavan		100	blank	--	5-6	50%
SF 5175	99FRD	5" WS	N/A	1 1/4	1.75	70B	Delavan		100	blank	--	6-7	65%
SF 5200	99FRD	5" WS	N/A	1 1/4	2.00	70B	Delavan		100	blank	--	8-9	80%
ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023													
SF 365	99FRD	5" WS	N/A	1 1/4	0.55	70B	Delavan		140	blank	--	1/2	20%
SF 3100	99FRD	5" WS	N/A	1 1/4	0.85	70B	Delavan		140	blank	--	3	30%
SF 4125	99FRD	5" WS	N/A	1 1/4	1.00	70B	Delavan		155	blank	--	4	40%
SF 4150	99FRD	5" WS	N/A	1 1/4	1.20	70B	Delavan		155	blank	--	5-6	50%
SF 5175	99FRD	5" WS	N/A	1 1/4	1.35	70B	Delavan		170	blank	--	6-7	65%
SF 5200	99FRD	5" WS	N/A	1 1/4	1.65	70B	Delavan		145	blank	--	8-9	80%
Tri-Fire Series													
TRB4075 †	EZ-LF Select	7" 12D	51629	4 9/16	0.60	60B	Delavan		160	blank	--	1	22%
TRB4090 †	EZ-LF Select	7" 12D	51629	4 9/16	0.75	70A	Delavan		145	blank	--	2	28%
EXB5100 †	EZ-LF Select	7" 12D	51629	4 9/16	0.75	45B	Delavan		175	blank	--	2	36%
TRB5120 †	EZ-LF Select	7" 12D	51629	4 9/16	1.00	60A	Delavan		150	blank	--	3	40%
TRB6130 †*	EZ-LF Select	7" 12D	51629	4 9/16	1.00	70B	Delavan		170	blank	--	3	50%
TRB6145 †*	EZ-LF Select	7" 12D	51629	4 9/16	1.10	70B	Delavan		175	blank	--	4	50%
Pre 2021 below													
TRB4075	EZ-LF	7" 12D	50887	3	0.60	60AS	Danfoss	60A Delavan	160	blank	0.60/0.65	1	25%
TRB4095	EZ-LF	7" 12D	50887	3	0.75	45W	Delavan	45AB Danfoss	160	blank	0.75	2	35%
TRB4110	EZ-LF	7" 12D	50887	3	0.85	60A	Delavan	60W Delavan	165	blank	0.75	2	50%
TRB5100	EZ-LF	7" 12D	50887	3	0.75	60B	Hago	60B Delavan	175	blank	0.75	2	35%
TRB5115	EZ-LF	7" 12D	50887	3	0.85	45A	Delavan	45AB Danfoss	180	blank	0.85/1.00	3	40%
TRB5135	EZ-LF	7" 12D	50887	3	1.10	60AB	Danfoss	60W Delavan	150	blank	1.10/1.25	4	45%
† Burner equipped with 6 slot retention ring and stainless steel extension on air tube													
* Burners use 2-step pump with 2 second time delay													

Vaillant

F75-40	EZ-66	5" WS	97781	2 1/2	0.60	45AR	Monarch		150	blank	--	0-2	20%
F75-45	EZ-66	5" WS	97781	2 1/2	0.75	45AR	Monarch		150	blank	--	2-4	20%
F75-50	EZ-66	5" WS	97781	2 1/2	0.85	45A	Delavan		150	blank	--	2-4	25%
F75-55	EZ-66	5" WS	97781	2 1/2	1.00	45A	Delavan		150	blank	--	2-4	30%
F75-60	EZ-66	5" WS	97781	2 1/2	1.25	60A	Delavan		150	blank	--	4-6	50%
F75-70	EZ-66	5" WS	97781	2 1/2	1.35	60A	Delavan		150	blank	--	6-8	60%
F75-80	EZ-66	5" WS	97781	2 1/2	1.65	60A	Delavan		150	blank	--	8-10	80%
F100-30	EZ-1HP	5" EZ-1	84889	3 1/2	0.50	60B	Delavan		150	EZ-1	0.50	0	0.50 (30%)
F100-35	EZ-1HP	5" EZ-1	84889	3 1/2	0.75	60B	Delavan		150	EZ-1	0.75	2	0.75 (55%)
F100-40	EZ-66	5" WS	97784	3 1/2	0.85	45B	Delavan		150	blank	--	2-4	40%
F100-45	EZ-66	5" WS	97784	3 1/2	1.20	45B	Delavan		150	open	--	2-4	40%
F100-50	EZ-66	5" WS	97784	3 1/2	1.20	45B	Delavan		150	open	--	2-4	30%
F100-55	EZ-66	5" WS	97784	3 1/2	1.50	45B	Delavan		150	open	--	4-6	30%
F100-60	EZ-66	5" WS	97784	3 1/2	1.65	60B	Delavan		150	open	--	6-8	40%
F102-8	201CRD	7"	N/A	2	3.00	45B	Delavan		100	--	--	3/8	40%
F102-9	201CRD	7"	N/A	2	3.25	45B	Delavan		100	--	--	9/16	50%
F102-10	201CRD	7"	N/A	2	3.50	45B	Delavan		100	--	--	9/16	70%
F102-11	201CRD	7"	N/A	2	4.00	45B	Delavan		100	--	--	5/8	80%
F102-12	201CRD	7"	N/A	2	4.50	45B	Delavan		100	--	--	5/8	100%

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Velocity Boiler Works

FWZ-081	EZ-LF ¹	7" - 12D	50989	2 5/8	0.60	60AS	Danfoss		175	blank	2-4 @ 2	2	45%
FWZ-100	EZ-LF	7" - 12D	50989	2 5/8	0.75	60B	Hago		175	blank	2-4 @ 2	2	35%
FWZ-130	EZ-LF	7" - 12D	50989	2 5/8	1.00	45B	Hago		175	blank	2-4 @ 3	3	45%
FWZ-160	EZ-66	7" WS	51198	2 5/8	1.35	45B	Hago		140	blank	4-6 @ 5	5	60%
TWB/ KSB 075	EZ-1HP	5" EZ-1	84889	2 1/4	0.60	60W	Delavan		150	blank	0.60/0.65	1	0.60 (45%)
TWB/ KSB 100	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60B	Hago		150	blank	0.85/1.00	3	0.70 (55%)
TWB/ KSB 125	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60A	Delavan		150	blank	0.85/1.00	3	1.00 (75%)
TWB/ KSB 150	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan		150	blank	1.10/1.25	4	1.25 (95%)

¹ Burner requires a 28 hole blender on access cover

Viessmann

VR1-22, VR1-91	EZ-LF	9" · 12D	50017	5	0.50	60AS	Danfoss	60B DFN Hago	170	blank	0.50	0	35%
VR1-27, VR1-105	EZ-1	9" EZ-1	51192	5	0.60	60AS	Danfoss	60W Delavan	155	blank	0.60/0.65	1	0.65 (50%)
VR1-33, VR1-140	EZ-1	9" EZ-1	51192	5	0.75	60AS	Danfoss	60B Hago	175	blank	0.75	2	1.15 (80%)
VR1-40, VR1-161	EZ-1	9" EZ-1	51192	5	0.85	70A	Delavan	70B Delavan	185	blank	0.75	2	1.20 (85%)
VR1-50, VR1-196	EZ-66	9" CW	51193	5	1.00	70B	Delavan	70B Hago	200	blank	--	3	50%
VR1-63, VR1-245	EZ-66	9" CW	51193	5	1.50	60SS	Hago	60B Delavan	140	blank	--	6	70%

Direct Vent

VR1-22-DV	EZ-LF	9" · 12D	50017	5	0.50	60B DFN Hago	60AS Danfoss		170	blank	0.50	0	45%
VR1-27-DV	EZ-1	9" EZ-1	51192	5	0.60	60B	Delavan	60B DFN Hago	155	blank	0.50	0	0.65 (50%)
VR1-33-DV	EZ-1	9" EZ-1	51192	5	0.75	60B	Hago	60AS Danfoss	175	blank	0.75	2	1.20 (85%)

EZ-66 burners use 2-step pump with 2 second time delay

Weil-McLain

GO-2	EZ-1	5" EZ-1	84863	3 1/8	0.60	70B	Delavan	60B Delavan	140	EZ-1	0.60/0.65	1	0.50 (25%)
GO-3L	EZ-1	5" EZ-1	84863	3 1/8	0.75	70B	Delavan		160	EZ-1	0.75	2	47%
GO-3R	EZ-1	5" EZ-1	84863	3 1/8	0.65	70A	Delavan	60W Delavan	150	EZ-1	0.60/0.65	1	0.50 (25%)
GO-3	EZ-1	5" EZ-1	84863	3 1/8	0.75	60B	Delavan	60B Hago	160	EZ-1	0.75	2	0.75 (35%)
GO-4R	EZ-1	5" EZ-1	84863	3 1/8	0.85	70B	Delavan	60B Delavan	140	EZ-1	0.85/1.00	3	0.85 (40%)
GO-4	EZ-1	5" EZ-1	84863	3 1/8	1.00	70B	Delavan	60B Hago	145	EZ-1	0.85/1.00	3	1.00 (60%)
GO-5R	EZ-1	5" EZ-1	84863	3 1/8	1.00	70B	Delavan	70AS Danfoss	140	EZ-1	0.85/1.00	3	1.10 (50%)
GO-5	EZ-1	5" EZ-1	84863	3 1/8	1.20	70B	Delavan	60AS Danfoss	145	EZ-1	1.10/1.25	4	1.40 (60%)
GO-6R	EZ-1	5" EZ-1	84863	3 1/8	1.20	60B	Delavan	70B Delavan	140	EZ-1	1.10/1.25	4	1.35 (60%)
GO-6	EZ-1	5" EZ-1	84863	3 1/8	1.50	70B	Delavan	70W Delavan	140	3 slot	1.50	4	0.75 (45%)
GO-6	EZ-2HPW	5" EZ-2/3	84871	3 1/8	1.50	70B	Delavan	70W Delavan	140	EZ-2	1.50	4	1.55 (35%)

UO-3	EZ-1HPW	9" EZ-1	50688	3 1/8	0.65	60A	Delavan		150	blank	0.60/0.65	1	0.60 (50%)
					0.85	60A	Delavan		150	blank	0.85/1.00	3	0.85 (60%)
UO-4	EZ-1HPW	9" EZ-1	50688	3 1/8	1.00	60B	Hago	60B Delavan	150	blank	0.85/1.00	3	1.00 (75%)
UO-5	EZ-1HPW	9" EZ-1	50688	3 1/8	1.10	60B	Hago	60B Delavan	165	blank	1.10/1.25	4	1.25 (85%)

UO-3RE	EZ-LF	7" 12D	51765	1 7/8	0.60	70A	Delavan		180	blank	0.75	2	45%
UO-3R	EZ-LF	7" 12D	51765	1 7/8	0.85	70A	Delavan		150	blank	0.85/1.00	3	60%
UO-4R	EZ-LF	7" 12D	51765	1 7/8	1.00	70A	Delavan		145	blank	0.85/1.00	3	80%
UO-5R	EZ-LF	7" 12D	51765	1 7/8	1.10	70A	Delavan		165	blank	1.10/1.25	4	85%

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

368	EZ-1	5" EZ-1	84863	3 1/8	1.00	70A	Delavan		100	EZ-1	0.85/1.00	3	1.00 (60%)
468	EZ-1	5" EZ-1	84863	3 1/8	1.25	70B	Delavan		100	EZ-1	1.10/1.25	4	1.25 (70%)
568	EZ-1	5" EZ-1	84863	3 1/8	1.50	70B	Delavan		100	EZ-1	1.35/1.50	5	1.50 (80%)

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Weil-McLain cont'd

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

668	EZ-2	5" EZ-2/3	84871	3 1/8	1.75	70B	Delavan		100	EZ-2	1.65/1.75	4.5	1.75 (35%)
768	EZ-2	5" EZ-2/3	84871	3 1/8	2.00	70B	Delavan		100	EZ-2	2.00	5.5	2.00 (50%)
868	EZ-3	5" EZ-2/3	84871	3 1/8	2.25	70B	Delavan		100	EZ-3	2.25	7	2.25 (80%)
968	EZ-3	5" EZ-2/3	84871	3 1/8	2.50	70B	Delavan		100	EZ-3	2.5	8	2.50 (80%)

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

368	EZ-1	5" EZ-1	84863	3 1/8	0.85	70A	Delavan		140	EZ-1	0.85/1.00	3	1.00 (60%)
468	EZ-1	5" EZ-1	84863	3 1/8	1.00	70B	Delavan		155	EZ-1	1.10/1.25	4	1.25 (70%)
568	EZ-1	5" EZ-1	84863	3 1/8	1.20	70B	Delavan		155	EZ-1	1.35/1.50	5	1.50 (80%)
668	EZ-2	5" EZ-2/3	84871	3 1/8	1.35	70B	Delavan		170	EZ-2	1.65/1.75	4.5	1.75 (35%)
768	EZ-2	5" EZ-2/3	84871	3 1/8	1.65	70B	Delavan		145	EZ-2	2.00	5.5	2.00 (50%)
868	EZ-3	5" EZ-2/3	84871	3 1/8	1.75	70B	Delavan		165	EZ-3	2.25	7	2.25 (80%)
968	EZ-3	5" EZ-2/3	84871	3 1/8	2.00	70B	Delavan		155	EZ-3	2.5	8	2.50 (80%)

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

268	99FRD	5" WS	47738	3 1/8	0.75	60SS	Hago		100	blank	--	2	20%
368	99FRD	5" WS	47738	3 1/8	1.00	60SS	Hago		100	blank	--	3	30%
468	99FRD	5" WS	47738	3 1/8	1.25	60SS	Hago		100	blank	--	4	40%
568	99FRD	5" WS	47738	3 1/8	1.50	60SS	Hago		100	blank	--	5-6	50%
668	99FRD	5" WS	47738	3 1/8	1.75	60SS	Hago		100	blank	--	6-7	65%
768	99FRD	5" WS	47738	3 1/8	2.00	60SS	Hago		100	blank	--	8-9	80%
868	99FRD	5" STD	47886	3	2.25	70P	Hago		100	open	--	7-8	50%
968	99FRD	5" STD	47886	3	2.50	70P	Hago		100	open	--	7-9	100%

268	99FRD	5" WS	47738	3 1/8	0.60	60SS	Hago		155	blank	--	2	20%
368	99FRD	5" WS	47738	3 1/8	0.85	60SS	Hago		140	blank	--	3	30%
468	99FRD	5" WS	47738	3 1/8	1.00	60SS	Hago		155	blank	--	4	40%
568	99FRD	5" WS	47738	3 1/8	1.20	60SS	Hago		155	blank	--	5-6	50%
668	99FRD	5" WS	47738	3 1/8	1.35	60SS	Hago		170	blank	--	6-7	65%
768	99FRD	5" WS	47738	3 1/8	1.65	60SS	Hago		145	blank	--	8-9	80%
868	99FRD	5" STD	47886	3	1.75	70P	Hago		165	open	--	7-8	50%
968	99FRD	5" STD	47886	3	2.00	70P	Hago		155	open	--	7-9	100%

476	99FRD	5" STD	47886	3	1.75	70P	Hago		165	open	--	7-8	75%
476	EZ-3	5" EZ-2/3	86603	3	1.75	70B	Delavan		165	EZ-3	2.25	6.5	2.25 (75%)
576	201CRD-W	7"	48736	2 7/8	3.00	60B	Delavan		100	--	--	3/8	20%
676	201CRD-W	7"	48736	2 7/8	3.50	60B	Delavan		100	--	--	1/2	30%
776	201CRD-W	7"	48736	2 7/8	4.00	60B	Delavan		100	--	--	5/8	50%
876	301CRD-W	6" T	72116	2 7/8	5.00	60P	Hago		100	--	--	3/16	80%
976	301CRD-W	6" T	72116	2 7/8	5.50	60P	Hago		100	--	--	5/16	95%
378	EZ-3HPW	5" EZ-2/3	86603	3	2.00	70H	Hago		150	EZ-3	2.00	5.5	2.00 (90%)
478	201CRD-W	7"	48736	3	2.75	60P	Hago		150	--	--	7/16	60%
578	301CRD-W	6" C	96792	3	3.75	60P	Hago		150	--	--	7/16	50%
678	301CRD-W	6" C	96792	3	4.50	60P	Hago		150	--	--	1/2	100%
778	702CRD-W	10"	49304	4	3.75	45P	Hago		100/300	--	--	1/8	5/16
878	702CRD-W	10"	49304	4	4.50	45P	Hago		100/300	--	--	1/4	5/16
978	702CRD-W	10"	49304	4	5.00	45P	Hago		100/300	--	--	3/8	3/8
1078	702CRD-W	10"	49304	4	5.50	45P	Hago		100/300	--	--	9/16	3/8
1178	702CRD-W	10"	49304	4	6.00	45P	Hago		100/300	--	--	3/4	3/8
1278	801CRD-W	10"	49445 ¹	4	LF 5.50 HF 4.00	45P	Hago		150	--	1/4	1/8	1/8

¹ For UV control packages use P/N 49452.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Weil-McLain cont'd

380	EZ-3HPW	5" EZ-2/3	86603	3	2.00	45A	Delavan		150	EZ-3	2.50	8	2.50 (60%)
480	201CRD-W	7"	48736	3	2.75	60B	Hago		150	--	--	3/8	60%
580	301CRD-W	6" C	96792	3	3.75	60B	Hago		150	--	--	7/16	50%
680	301CRD-W	6" C	96792	3	4.50	60B	Hago		150	--	--	1/2	100%
780	702CRD-W	10"	49304	4	3.75	45B	Hago		100/300	--	--	1/8	7/16
880	702CRD-W	10"	49304	4	4.50	45B	Hago		100/300	--	--	1/4	5/16
980	702CRD-W	10"	49304	4	5.00	45B	Hago		100/300	--	--	3/8	3/8
1080	702CRD-W	10"	49304	4	5.50	45B	Hago		100/300	--	--	9/16	3/8
1180	702CRD-W	10"	49304	4	6.00	45B	Hago		100/300	--	--	3/4	3/8
1278	801CRD-W	10"	49445 ¹	4	LF	5.50	45B Hago		150	--	--	1/4	1/8
					HF	4.00	45B Hago						
486	701CRD-W	10"	N/A	4	LF	3.00	60H Hago		150	--	--	1/16	1/8
					HF	2.00	60H Hago						
586	701CRD-W	10"	N/A	4	LF	3.25	60H Hago		150	--	--	5/16	1/4
					HF	3.50	60H Hago						
686	701CRD-W	10"	N/A	4	LF	4.00	60H Hago		150	--	--	9/16	1/2
					HF	4.50	60H Hago						
786	801CRD-W	10"	N/A	4	LF	5.50	45H Hago		150	--	--	1/16	1/4
					HF	4.50	45H Hago						
886	801CRD-W	10"	N/A	4	LF	6.00	45H Hago		150	--	--	1/4	3/8
					HF	5.50	45H Hago						
986	801CRD-W	10"	N/A	4	(2)	6.50	45H Hago		150	--	--	7/16	1/2
1086	801CRD-W	10"	N/A	4	LF	6.50	45H Hago		150	--	--	7/8	1/2
					HF	8.50	45H Hago						
1186	1050FFD-W	STD 4" SP	N/A	5 5/8	LF	10.00	45SS Hago		100	--	--	9/16	5/8
					2HF	4.50	45SS Hago						
1286	1050FFD-W	STD 4" SP	N/A	5 5/8	LF	11.00	45SS Hago		100	--	--	13/16	1/2
					2HF	5.00	45SS Hago						
1386	1150FFD-W	STD 4" SP	N/A	6	LF	11.00	45SS Hago		100	--	--	0	5/8
					2HF	6.00	45SS Hago						
1486	1150FFD-W	STD 4" SP	N/A	6	LF	12.00	45SS Hago		100	--	--	0	5/8
					2HF	6.50	45SS Hago						
1586	1150FFD-W	STD 4" SP	N/A	6	LF	13.00	45SS Hago		100	--	--	1/4	5/8
					2HF	7.00	45SS Hago						
1686	1150FFD-W	STD 4" SP	N/A	6	LF	14.00	45SS Hago		100	--	--	5/8	1/2
					HF	8.00	45SS Hago						
					HF	7.50	45SS Hago						
88 Series 1													
488-R2	702CRD-W	10"	49304	4	4.00	60PLP	Monarch		100/300	--	--	1/8	1/8
488	702CRD-W	10"	49304	4	4.00	60PLP	Monarch		100/300	--	--	1/8	1/8
588	702CRD-W	10"	49304	4	5.50	70P	Hago		100/300	--	--	1/4	1/4
688	801CRD-W	10"	49445 ¹	4	LF	5.50	45H Hago		150	--	--	7/16	1/4
					HF	4.50	45H Hago						
788	801CRD-W	10"	49445 ¹	4	LF	6.00	45H Hago		150	--	--	3/4	5/16
					HF	5.50	45H Hago						
888	801CRD-W	10"	49445 ¹	4	LF	6.50	45H Hago		150	--	--	1	3/8
					HF	7.00	45H Hago						

¹ For UV control packages use P/N 49452.

² For UV control packages use P/N 48470.

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)	
					Size	Type	Mfr				GPH	Pos.		
Weil-McLain cont'd														
988	1050FFD-W	STD 4" SP	48462 ²	5 5/8	LF HF HF	9.00 4.50 5.00	45SS 45SS 45SS	Hago Hago Hago		100	--	--	5/8	1/4
1088R	1050FFD-W	STD 4" SP	48462 ²	5 5/8	LF 2HF	10.00 5.00	45SS 45SS	Hago Hago		100	--	--	1	3/8
1088	1050FFD-W	STD 4" SP	48470	5 5/8	LF HF HF	10.00 6.00 5.50	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1	3/8
1188	1150FFD-W	STD 4" SP	48520	6	LF HF HF	12.00 6.00 5.50	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1/4	3/8
1288	1150FFD-W	STD 4" SP	48520	6	LF 2HF	12.00 7.00	45SS 45SS	Hago Hago		100	--	--	1/2	1/2
1388	1150FFD-W	STD 4" SP	48520	6	LF HF HF	13.00 7.50 8.00	45SS 45SS 45SS	Hago Hago Hago		100	--	--	7/8	5/8
1488	1150FFD-W	STD 4" SP	48520	6	LF HF HF	14.00 8.00 9.00	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1 1/8	3/4
88 Series 2														
488-R	702CRD-W	10"	49304	4		4.00	70P	Hago		100/300	--	--	9/32	5/16
488	702CRD-W	10"	49304	4		4.00	70P	Hago		100/300	--	--	1/4	5/16
588	702CRD-W	10"	49304	4		5.50	60B	Hago		100/300	--	--	1 1/4	1/2
688	801CRD-W	10"	49445 ¹	4	LF HF	5.50 4.50	45H 45H	Hago Hago		150	--	--	5/16	1/4
788	801CRD-W	10"	49445 ¹	4	LF HF	6.00 5.50	45H 45H	Hago Hago		150	--	--	1/2	1/2
888	801CRD-W	10"	49445 ¹	4	LF HF	6.50 7.00	45H 45H	Hago Hago		150	--	--	1	3/8
988R	1050FFD-W	STD 4" SP	48462 ²	5 5/8	LF HF HF	9.00 4.00 4.00	45SS 45SS 45SS	Hago Hago Hago		100	--	--	3/8	3/8
988	1050FFD-W	STD 4" SP	48462 ²	5 5/8	LF HF HF	9.00 4.50 5.00	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1/2	1/4
1088R	1050FFD-W	STD 4" SP	48462 ²	5 5/8	LF 2HF	10.00 5.00	45SS 45SS	Hago Hago		100	--	--	1/2	3/4
1088	1050FFD-W	STD 4" SP	48470	5 5/8	LF HF HF	10.00 6.00 5.50	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1	3/8
1188	1150FFD-W	STD 4" SP	48520	6	LF HF HF	12.00 6.00 5.50	45SS 45SS 45SS	Hago Hago Hago		100	--	--	1/4	11/16
1288	1150FFD-W	STD 4" SP	48520	6	LF 2HF	12.00 7.00	45SS 45SS	Hago Hago		100	--	--	7/16	7/8
1388	1150FFD-W	STD 4" SP	48520	6	LF HF HF	13.00 7.50 8.00	45SS 45SS 45SS	Hago Hago Hago		100	--	--	11/16	7/8
1488	1150FFD-W	STD 4" SP	48520	6	LF 2HF	15.00 8.00	45SS 45SS	Hago Hago		100	--	--	1	1
¹ For UV control packages use P/N 49452.														
² For UV control packages use P/N 48470.														

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Williamson-Thermoflo

OWB/ OWT-3	EZ-1HPW	5" EZ-1	84863	3 1/8	0.60	70B	Delavan		140	EZ-1	0.60/0.65	1	0.50 (30%)
OWB/ OWT/ OSB-3	EZ-1HPW	5" EZ-1	84863	3 1/8	0.75	60B	Delavan		160	EZ-1	0.75	2	0.75 (55%)
OWB/ OWT-4	EZ-1HPW	5" EZ-1	84863	3 1/8	0.85	70B	Delavan		140	EZ-1	0.85/1.00	3	0.85 (50%)
OWB/ OWT/ OSB-4	EZ-1HPW	5" EZ-1	84863	3 1/8	1.00	60B	Delavan		145	EZ-1	0.85/1.00	3	1.00 (65%)
OWB/ OWT-5	EZ-1HPW	5" EZ-1	84863	3 1/8	1.00	70B	Delavan		140	EZ-1	0.85/1.00	3	1.10 (70%)
OWB/ OWT/ OSB-5	EZ-1HPW	5" EZ-1	84863	3 1/8	1.20	60B	Delavan		150	EZ-1	1.10/1.25	4	1.40 (65%)
OWB/ OWT-6	EZ-1HPW	5" EZ-1	84863	3 1/8	1.20	60B	Delavan		140	EZ-1	1.10/1.25	4	1.35 (90%)
OWB/ OWT-6	EZ-1HPW	5" EZ-1	84863	3 1/8	1.50	70B	Delavan		140	3 slot	1.50	4	0.75 (75%)
OWB/ OWT/ OSB-6	EZ-2HPW	5" EZ-2/3	84871	3 1/8	1.50	70B	Delavan		140	EZ-2	1.50	4	1.55 (55%)

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

CHB/ CLB 85	EZ-1	7" EZ-1	98470	5 1/2	0.60	70A	Delavan		100	blank	0.60/0.65	1	0.60 (35%)
CHB/ CLB 105	EZ-1	7" EZ-1	98470	5 1/2	0.75	70A	Delavan		100	blank	0.75	2	0.75 (45%)
CHB/ CLB 120	EZ-1	7" EZ-1	98470	5 1/2	0.85	70A	Delavan		100	blank	0.85/1.00	3	0.85 (50%)
CHB/ CLB 140	EZ-1	9" EZ-1	98471	8	1.00	60SS	Hago		100	blank	0.85/1.00	3	1.00 (60%)
CHB/ CLB 175	EZ-1	9" EZ-1	98471	8	1.25	60SS	Hago		100	blank	1.10/1.25	4	1.25 (65%)
CHB/CLB/CCF 245	EZ-2HP	11" EZ-2/2	98472	10	1.50	70B	Delavan		140	EZ-2	1.65/1.75	4.5	1.75 (35%)

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

CHB/ CLB 85	EZ-1	7" EZ-1	98470	5 1/2	0.60	70A	Delavan		155	blank	0.60/0.65	1	0.60 (35%)
CHB/ CLB 105	EZ-1	7" EZ-1	98470	5 1/2	0.60	70A	Delavan		155	blank	0.75	2	0.75 (45%)
CHB/ CLB 120	EZ-1	7" EZ-1	98470	5 1/2	0.60	70A	Delavan		155	blank	0.85/1.00	3	0.85 (50%)
CHB/ CLB 140	EZ-1	9" EZ-1	98471	8	0.85	60SS	Hago		140	blank	0.85/1.00	3	1.00 (60%)
CHB/ CLB 175	EZ-1	9" EZ-1	98471	8	1.85	60SS	Hago		140	blank	1.10/1.25	4	1.25 (65%)
CHB/CLB/CCF 245	EZ-2HP	11" EZ-2/2	98472	10	1.50	70B	Delavan		140	EZ-2	1.65/1.75	4.5	1.75 (35%)

CB-T-90	EZ-1	7" EZ-1	98245	6 1/2	0.55	70A	Delavan		140	blank	0.60/0.65	1	0.50 (30%)
CB-T-105	EZ-1	7" EZ-1	98245	6 1/2	0.60	70A	Delavan		155	blank	0.75	2	0.60 (35%)
CB-T-125	EZ-1	7" EZ-1	98245	6 1/2	0.65	70A	Delavan		170	blank	0.85/1.00	3	0.75 (45%)
CB-T-150	EZ-1	7" EZ-1	98245	6 1/2	0.85	70A	Delavan		140	blank	0.85/1.00	3	0.90 (55%)

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

PLB-098	EZ-LF ¹	7" EZ-1	50859	2 3/8	0.50	60H	Danfoss		100	blank	0.35/0.50	0	13%
					0.50	60H	Danfoss		150	blank	0.60/0.65	1	20%
					0.55	60H	Danfoss		165	blank	0.60/0.65	1	30%
PLB-112	EZ-LF	7" 12D	50860	2 3/8	0.55	70A	Delavan		155	blank	0.60/0.65	1	22%
					0.65	70A	Delavan		155	blank	0.75	2	25%
PLB-210	EZ-1	5" EZ-1	99044	2 1/2	1.20	60B	Delavan	60B Hago	100	blank	1.10/1.25	4	1.25
					1.35	60B	Delavan	60B Hago	100	blank	1.35/1.50	5	1.50
					1.50	60B	Delavan	60B Hago	100	blank	1.35/1.50	5	1.50
PLB-350	99FRD	5" WS	99045	2 1/2	1.75	60B	Delavan	60B Hago	100	open	--	5	10%
					2.00	60B	Delavan	60B Hago	100	open	--	5	45%
					2.25	60B	Delavan	60P Hago	100	open	--	7	65%
					2.50	60B	Delavan	60P Hago	100	open	--	7	100%
PMP-098	EZ-LF ¹	7" EZ-1	50859	2 3/8	0.50	60H	Danfoss		100	blank	0.35/0.50	0	13%
					0.50	60H	Danfoss		150	blank	0.35/0.50	0	23%
					0.55	60H	Danfoss		165	blank	0.60/0.65	1	30%

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

PLB-098	EZ-LF ¹	7" EZ-1	50859	2 3/8	0.50	60H	Danfoss		100	blank	0.35/0.50	0	13%
					0.50	60H	Danfoss		150	blank	0.60/0.65	1	20%
					0.55	60H	Danfoss		165	blank	0.60/0.65	1	30%
PLB-112	EZ-LF	7" 12D	50860	2 3/8	0.55	70A	Delavan		155	blank	0.60/0.65	1	22%
					0.65	70A	Delavan		155	blank	0.75	2	25%

¹ PLB-098 and PMP-098 burners require a 36 hole blender on access cover

Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Setting		Air Setting GPH (%)
					Size	Type	Mfr				GPH	Pos.	

Williamson-Thermoflo cont'd

PLB-210	EZ-1	5" EZ-1	99044	2 1/2	0.90	60B	Delavan		160	blank	1.10/1.25	4	1.25 (70%)
					1.00	60B	Delavan		160	blank	1.35/1.50	5	1.50 (80%)
					1.20	60B	Delavan		160	blank	1.35/1.50	5	1.50 (80%)
PLB-350	99FRD	5" WS	99045	2 1/2	1.35	60B	Delavan	60B Hago	170	open	--	5	10%
					1.65	60B	Delavan	60B Hago	145	open	--	5	45%
					1.75	60B	Delavan	60P Hago	165	open	--	7	65%
					2.00	60B	Delavan	60P Hago	155	open	--	7	100%
PMP-098	EZ-LF ¹	7" EZ-1	50859	2 3/8	0.40	60H	Danfoss		155	blank	0.35/0.50	0	13%
					0.50	60H	Danfoss		150	blank	0.35/0.50	0	23%
					0.55	60H	Danfoss		165	blank	0.60/0.65	1	30%

LOW BLENDS (#2-B20) SETTINGS - For Burners MFG before 11/20/2023

PMP-112	EZ-LF	7" 12D	50860	2 3/8	0.55	70A	Delavan		155	blank	0.60/0.65	1	20%
					0.65	70A	Delavan		155	blank	0.75	2	21%
PMP-210	EZ-1	5" EZ-1	99044	2 1/2	1.20	60B	Delavan	60B Hago	100	blank	1.10/1.25	4	1.10
					1.35	60B	Delavan	60B Hago	100	blank	1.35/1.50	5	1.35
					1.50	60B	Delavan	60B Hago	100	blank	1.35/1.50	5	1.52
TMP-105	EZ-1	7" EZ-1	99043	5 3/8	0.75	60A	Delavan	60H Hago	100	blank	0.75	2	0.57
					0.65	70A	Delavan	70H Hago	100	blank	0.60/0.65	1	0.65

ALL BLENDS (#2-B100) Settings - For Burners MFG after 11/20/2023

PMP-112	EZ-LF	7" 12D	50860	2 3/8	0.55	70A	Delavan		155	blank	0.60/0.65	1	20%
					0.65	70A	Delavan		155	blank	0.75	2	21%
PMP-210	EZ-1	5" EZ-1	99044	2 1/2	0.90	60B	Delavan		160	blank	1.10/1.25	4	1.10 (65%)
					1.00	60B	Delavan		160	blank	1.35/1.50	5	1.35 (75%)
					1.20	60B	Delavan		160	blank	1.35/1.50	5	1.50 (80%)
TMP-105	EZ-1	7" EZ-1	99043	5 3/8	0.60	60A	Delavan	60H Hago	155	blank	0.75	2	0.55 (35%)
					0.55	70A	Delavan	70H Hago	140	blank	0.60/0.65	1	0.65 (40%)

Yukon Energy Corporation

Y-65	100CRD	7" STD	N/A	5	0.55	70A	Delavan		140	blank	--	1	40%
Y-85	100CRD	7" STD	N/A	5	0.60	70A	Delavan		170	blank	--	2	50%

NOZZLE MANUFACTURERS AND SPRAY PATTERNS

DANFOSS
AB-SEMI SOLID
AH-HOLLOW
AS-SOLID

DELAVAN
A-HOLLOW
B-SOLID
W-ALL PURPOSE

HAGO
B-SOLID
ES-SOLID
H-HOLLOW
P-SOLID
SS-SEMI SOLID

MONARCH
AR-SPECIAL SOLID
NS-HOLLOW
PLP-SEMI SOLID
R-SOLID

STEINEN
H-HOLLOW
S-SOLID
SS-SEMI SOLID

NOZZLE CAPACITY CHART

U.S. GALLONS PER HOUR NO. 2 FUEL OIL											
Rate, GPH @ 100 PSI	OPERATING PRESSURE: POUNDS PER SQUARE INCH (PSI)										
	125	140	150	160	170	180	190	200	250	275	300
0.40	0.45	0.47	0.49	0.51	0.52	0.54	0.55	0.56	0.63	0.66	0.69
0.50	0.56	0.59	0.61	0.63	0.65	0.67	0.69	0.71	0.79	0.83	0.87
0.55	0.62	0.65	0.67	0.70	0.72	0.74	0.76	0.78	0.87	0.91	0.95
0.60	0.67	0.71	0.74	0.76	0.78	0.80	0.83	0.86	0.95	1.00	1.04
0.65	0.73	0.77	0.80	0.82	0.85	0.87	0.90	0.92	1.03	1.08	1.13
0.75	0.84	0.89	0.92	0.95	0.98	1.01	1.03	1.06	1.19	1.24	1.31
0.85	0.95	1.01	1.04	1.08	1.11	1.14	1.17	1.20	1.34	1.41	1.47
0.90	1.01	1.06	1.10	1.14	1.17	1.21	1.24	1.27	1.42	1.49	1.56
1.00	1.12	1.18	1.23	1.26	1.30	1.34	1.38	1.41	1.58	1.66	1.73
1.10	1.23	1.30	1.35	1.39	1.43	1.48	1.52	1.56	1.74	1.82	1.91
1.20	1.34	1.42	1.47	1.52	1.56	1.61	1.65	1.70	1.90	1.99	2.08
1.25	1.39	1.48	1.53	1.58	1.63	1.68	1.72	1.77	1.98	2.07	2.17
1.35	1.51	1.60	1.65	1.71	1.76	1.81	1.86	1.91	2.14	2.24	2.34
1.50	1.68	1.77	1.84	1.90	1.96	2.01	2.07	2.12	2.37	2.49	2.60
1.65	1.84	1.95	2.02	2.09	2.15	2.21	2.27	2.33	2.61	2.73	2.86
1.75	1.96	2.07	2.14	2.21	2.28	2.35	2.41	2.48	2.77	2.90	3.03
2.00	2.24	2.37	2.45	2.53	2.61	2.68	2.76	2.83	3.16	3.32	3.46
2.25	2.52	2.66	2.76	2.85	2.93	3.02	3.10	3.18	3.56	3.73	3.90
2.50	2.80	2.96	3.06	3.16	3.26	3.35	3.45	3.54	3.95	4.15	4.33
3.00	3.35	3.55	3.67	3.79	3.91	4.02	4.14	4.24	4.74	4.97	5.20
3.50	3.91	4.14	4.29	4.43	4.56	4.70	4.82	4.95	5.53	5.80	6.06
4.00	4.47	4.73	4.90	5.06	5.22	5.37	5.51	5.66	6.32	6.63	6.93
4.50	5.04	5.32	5.51	5.69	5.87	6.04	6.20	6.36	7.11	7.46	7.79
5.00	5.59	5.92	6.12	6.32	6.52	6.71	6.89	7.07	7.91	8.29	8.66
5.50	6.15	6.51	6.74	6.96	7.17	7.38	7.58	7.78	8.70	9.12	9.53
6.00	6.71	7.10	7.35	7.59	7.82	8.05	8.27	8.49	9.49	9.95	10.39
6.50	7.26	7.69	7.96	8.22	8.47	8.72	8.96	9.19	10.28	10.78	11.26
7.00	7.82	8.28	8.57	8.85	9.13	9.39	9.65	9.90	11.07	11.61	12.12
7.50	8.38	8.87	9.19	9.49	9.78	10.06	10.34	10.61	11.86	12.44	12.99
8.00	8.94	9.47	9.80	10.12	10.43	10.73	11.03	11.31	12.65	13.27	13.86
8.50	9.50	10.06	10.41	10.75	11.08	11.40	11.72	12.02	13.44	14.10	14.72
9.00	10.06	10.65	11.02	11.38	11.73	12.07	12.41	12.73	14.23	14.93	15.59
9.50	10.60	11.24	11.64	12.02	12.39	12.75	13.09	13.44	15.02	15.75	16.45
10.00	11.18	11.83	12.25	12.65	13.04	13.42	13.78	14.14	15.81	16.58	17.32
10.50	11.74	12.42	12.86	13.28	13.69	14.09	14.47	14.85	16.60	17.41	18.19
11.00	12.30	13.02	13.47	13.91	14.34	14.76	15.16	15.56	17.39	18.24	19.05
12.00	13.42	14.20	14.70	15.18	15.65	16.10	16.54	16.97	18.97	19.90	20.79
13.50	15.07	15.97	16.53	17.08	17.60	18.11	18.61	19.09	21.35	22.38	23.40
15.00	16.77	17.75	18.37	18.97	19.56	20.12	20.68	21.21	23.70	24.90	25.95
17.50	19.60	20.65	21.40	22.14	22.82	23.48	24.12	24.80	27.70	29.05	30.40
19.50	21.80	23.07	23.90	24.67	25.42	26.16	26.88	27.60	30.80	32.37	33.80
20.00	22.40	23.60	24.60	25.30	26.08	26.83	27.57	28.20	31.60	33.20	34.60

ENGINEERING INFORMATION

Pump Pressure and Flow Rate Calculations

To determine GPH for pressures other than 100 PSI, use the following formulas:

EXAMPLE: Burner firing at 12 GPH at 100 PSI.

What would the firing rate be at 250 PSI?

$$\sqrt{\frac{250 \text{ PSI}}{100 \text{ PSI}}} = \sqrt{2.5} = 1.58 \times 12 \text{ GPH} = 18.9 \text{ GPH}$$

If the pressure is known (gauge pressure), nozzle output can be determined by using the same formula:

$$\sqrt{\frac{\text{Gauge PSI}}{100 \text{ PSI}}} \times \text{GPH Rating of Nozzles} = \text{GPH}$$

EXAMPLE: Burner gauge PSI = 180

Nozzles: (2) 6.00 GPH

$$\sqrt{\frac{180}{100}} \times 12.00 = 16.01 \text{ GPH}$$

If rate is known and new rate is desired (no nozzle change), what pump pressure do I need?

$$\left(\frac{\text{New Rate}}{\text{Old Rate}} \right)^2 \times \text{Pump Pressure} = \text{New Pump Pressure}$$

for new rate

EXAMPLE: Firing 1.25 GPH want to fire 1.35 GPH

$$\left(\frac{1.35 \text{ GPH}}{1.25 \text{ GPH}} \right)^2 = 1.16 \times 100 \text{ PSI} = 116 \text{ PSI}$$

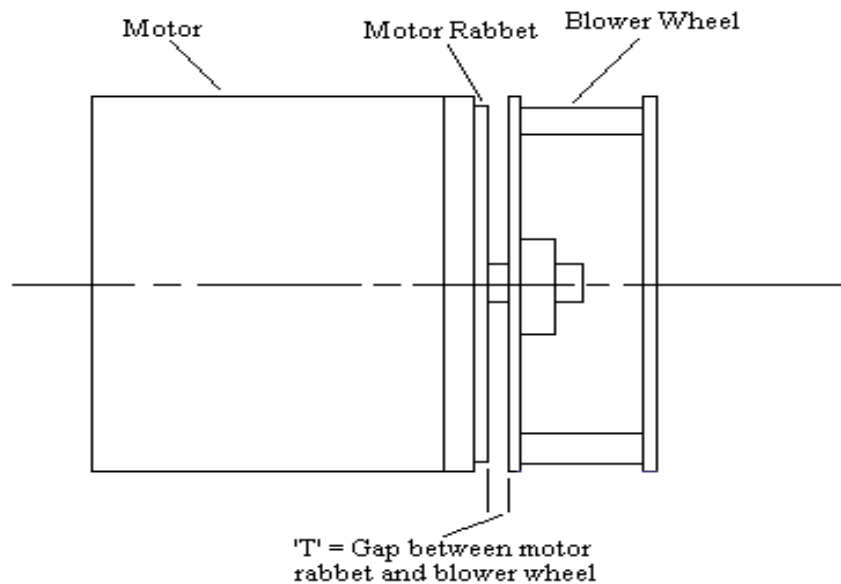
ENGINEERING INFORMATION

Correct Spacings for Motor/ Blower Wheel

When you clean or replace a burner blower wheel it's important that you maintain the proper gap between the motor rabbet and the blower wheel rim.

For example, if you install the blower wheel incorrectly, two things may happen: (1) on the EZ and 99FRD, you may come in contact with the pressure augments and create other damage or noise when the burner is operating; and (2) on all models, you may alter the burner's designed air flow.

The diagram and chart below are designed to help you maintain the proper gaps.



Oil Burner Model	'T'
Elite EZ-1, 2, 3	3/64"
99FRD, CRD*	3/64"
100CRD	1/8"
102CRD	7/16"
200CRD*	3/8"
201, 301CRD	1/8"
500, 501CRD*	3/16"
600*, 601CRD	3/16"
700*, 701CRD	3/16"
702CRD	3/16"
800*, 801CRD	3/64"
1050, 1150FFD	3/64"

*Discontinued

Gas Burner Model	'T'
G3B	1/16" ¹
EZ-Gas	3/64"
201GAS	1/8"
301GAS	1/8"
601GAS	3/16"
702GAS	3/16"
702G/O	3/16"
¹ 1/16" of shaft protruding beyond fan hub	

ENGINEERING INFORMATION

Electrode Settings

Current Burners

Burner Model	Up	Ahead	Gap
EZ-1, 2, 3	5/16	Flush to 1/16	1/8 - 5/32
EZ-66	1/4	3/16	1/8
99FRD	1/4	3/16	1/8
100CRD	1/4	3/16	1/8
102CRD	1/4	3/16	1/8
201CRD-PA	1/4	1/4 - 5/16	1/8
301CRD-PA	1/4	1/4	1/8
601CRD	5/16	1/4	1/8
701CRD	5/16	1/4	1/8
702CRD	1/4	1/4	1/8
801CRD	5/16	1/4	1/8
1050FFD	5/16 - 3/8	1/4	1/8
1150FFD	5/16 - 3/8	1/4	1/8

Discontinued Burners

Burner Model	Up	Ahead	Gap
150F	1/2	3/16	1/8
150N2, N2R	1/2	1/8	1/8
150N3, N3R	1/2	1/8	1/8
150SF-2	7/16	3/16	1/8
150FRD-1A	7/16	3/16	1/8
175-FR-1	7/16	1/8	1/8
200CRD	1/4	1/4 - 5/16	1/8
250FFD	3/8	1/4 - 5/16	1/8
400	1/2	3/16	1/8
400-N2, N3	1/2	1/8	1/8
400N-2R	7/16	1/8	1/8
400S-2, S-3	7/16	3/16	1/8
450FR-1, 2	7/16	3/16	1/8
450FRD-1, 1A	7/16	3/16	1/8
450FFD	1/4	1/4	1/8
500S-35	3/8	3/16	1/8
500CRD	1/4	1/4	1/8
600CRD	3/16	1/4	1/8
650	3/8	3/16	1/8
700S-35	3/8	3/16	1/8
700FR	7/16	3/16	1/8
700CRD	5/16	1/4	1/8
800S-4	3/8	3/16	1/8
800CRD	1/4	3/16	1/8
850FFD	3/8	1/4 - 5/16	1/8
950FR-1, 2	7/16	3/16	1/8
950FRD-1	7/16	3/16	1/8
1200	3/8	1/4	1/8
1200FR-1, 2	7/16	3/16	1/8
1200N	1/2	3/8	1/8
2000	3/8	3/8	1/8
2000S-5	3/8	3/16	1/8

ENGINEERING INFORMATION

Coupling Length for Current and Discontinued Burners

Current Burners

Burner Model	Part Number	Length	Pump
EZ-1, 2, 3	75564	2 3/8	A or B
EZ-1, 2, 3	28704	2 3/16	J or H
99FRD, 100CRD, 102CRD	75564	2 3/8	A or B
99FRD, 100CRD, 102CRD	28704	2 3/16	J or H
201CRD, 301CRD	28720	4 9/16	A or B
201CRD, 301CRD	28712	3 1/8	J or H
601CRD, 701CRD	28761	6 11/32	B
601CRD, 701CRD	28738	4 7/8	J or H
702CRD (Hi-Tech Fan, aluminum)	28761	6 11/32	B
702CRD (Jan-Air Fan, Steel)	98856	6 5/32	B
801CRD	98229	6 1/2	B
801CRD, 1050FFD, 1150FFD	28779	5 13/16	H or J

Discontinued Burners

Burner Model	Part Number	Length	Pump
99CRD, 101CRD	75564	2 3/8	A or B
150FRD-1A	28712	3 3/16	J or H
175-FR1	28712	3 3/16	J or H
200CRD	28712	3 1/8	J or H
250FFD	28738	4 7/8	H
400N-2R	--	4 1/2	J or H
450FFD	28738	4 7/8	H
450FR-1, 450FR-2	28738	4 7/8	H
450FRD-1, 450FRD-1A	28738	4 7/8	H
500CRD, 501CRD	28738	4 7/8	J or H
600CRD, 700CRD	28738	4 7/8	J or H
800CRD	28779	5 13/16	H
850FFD, 950FFD	28779	5 13/16	H
950FRD-1	28738	4 7/8	H

ENGINEERING INFORMATION

Combustion Air Requirements for #2 Fuel

1. Ventilation Air for Unconfined Spaces

- a. In unconfined spaces in buildings of conventional frame, brick, or stone construction, infiltration normally is adequate.
- b. If the unconfined space is within a building without sufficient air because of tight construction, the air for ventilation shall be obtained from outdoors. Under these conditions a permanent opening to the outside having a total free area of at least one square inch per 5000 Btu per hour (28 sq. in. per gallon per hour).

2. Ventilation Air for Confined Spaces

- a. All air from inside the building. The confined space must have two openings, one near the top and one near the bottom. Each opening must have at least 1 sq. in. of free area per 1000 Btu per hour (140 sq. in. per gallon per hour).
- b. Taking ventilation air from inside and combustion air from outside the building. The confined space must have two openings, one near the top and one near the bottom. Each opening must have at least 1 sq. in. of free area per 1000 Btu per hour (140 sq. in. per gallon per hour). In addition, there must be one opening connecting to the outdoors. This opening must have at least 1 sq. in. per 10,000 Btu per hour (14 sq. in. per gallon per hour).
- c. All air from outside the building. The confined space must have two openings, one near the top and one near the bottom. Each opening must have at least 1 sq. in. of free area per 4000 Btu per hour (35 sq. in. per gallon per hour) if vertical ducts are used. If horizontal ducts are used, each opening must have at least 1 sq. in. of free area per 2000 Btu per hour (70 sq. in. per gallon per hour).

3. Louvers, Grilles, and Screens

- a. In calculating free area consideration must be given to the blocking effect of louvers, grilles and screens that protect these openings.
- b. Screens used cannot be smaller than ¼ inch (6.3 mm) mesh and easily accessible for cleaning.
- c. If louvers and grilles are used and the free area through them is known it must be used in calculating the size of the opening. If the free area is not known, it may be assumed that wood louvers will have 20-25% free area and metal louvers have 60-70% free area.

GAS BURNER

INTRODUCTION

The Carlin Application Engineering Team has developed this OEM Specification Guide to assist you in the selection, set-up and servicing of Carlin Power Gas Burners. It is the result of considerable laboratory and/or field testing with the appliances listed. We hope you will find this material to be a valuable reference tool when servicing today's modern gas-fired equipment. Before making any changes to the set-up outlined in this booklet, we strongly recommend that you contact the Carlin Technical Service Hotline.

Note: This data is intended to be a set-up guide only. The air settings listed are only a starting point. It is critical that all gas-fired heating equipment be installed using combustion efficiency test equipment and the burners be set to the appliance manufacturers' recommended settings.

For your convenience, this guide is arranged by heat exchanger manufacturers in alphabetical order. This book is updated periodically as reprinting is needed. However, new application data is being added on a regular basis. As a result, if the application you are looking for is not listed in this book, please call the Carlin Technical Service Hot Line for assistance.

The Carlin Technical Support Team is committed to providing the finest customer service in the industry. If you should have any questions regarding the set-up data contained in this book or have a question on any Carlin products, PLEASE give us a call.

You can reach the Carlin Technical Support Team on the Carlin Technical Service Hot Line at 1-800-989-2275.

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

AJAX Boiler Inc.

WFG-450	360	201GAS	A	10"	Universal	4 3/4	1/2 (.500)	T (.358)	7/16"	4 slot	none	3.5
	450						3/4 (.750)	1/2 (.500)	1 1/2"	4 slot	none	3.5

Armstrong Furnace

LUF80B84	105	EZGas Pro	B	12"	Universal	5	15/64 (.234)	#14 (.182)	25%	1 slot	blank	3.5
LUF95D16	120	EZGas Pro	B	12"	Universal	5	B (.238)	#9 (.196)	12%	1 slot	blank	3.5

Axeman Anderson

WL140	105	EZGas Pro	B	10"	Universal	2	#2 (.221)	#18 (.169)	28%	1 slot	blank	3.3NG/3.5LP
	119						C (.242)	#11 (.191)	35%	1 slot	blank	3.4NG/3.5LP
	140						F (.257)	#6 (.204)	48%	1 slot	blank	3.5
WL182 ¹	140	EZGas Pro	B	10"	Universal	2	F (.257)	#6 (.204)	48%	1 slot	blank	3.5
	165						19/64 (.297)	#1 (.228)	69%	1 slot	blank	3.5NG/3.4LP
	182						5/16 (.312)	15/64 (.234)	80%	1 slot	blank	3.5

¹ Need target wall 12"H x 15"W

Biasi/ QHT

Burners must be purchased from Biasi

B10/3	80	EZGas Pro ¹	9S	10"S	99848	1 3/4	#15 (.180)	#25 (.149)	20NG/30LP	1 slot	blank	3.1NG/3.5LP
B10/4	112	EZGas Pro ¹	9S	10"	98865	3	#1 (.228)	#15 (.180)	40NG/48LP	2 slot	blank	3.6NG/3.0LP
B10/5	140	EZGas Pro	9S	10"	98865	3	F (.257)	#5 (.205)	20%	2 slot	blank	3.5
B10/6	175	EZGas Pro	9S	10"	98865	3	5/16 (.312)	1/4 (.250)	36NG/41LP	2 slot	blank	3.5
B10/7	222	EZGas Pro	A-1	10"S	51295	4 3/4	11/32 (.344)	17/64 (.266)	60%	2 slot	blank	3.5
B10/8	260	EZGas Pro	A-1	10"S	51295	4 3/4	27/64 (.422)	O (.316)	70%	2 slot	blank ²	3.5

For covered burner OEM air tubes order part number: 50361B for 3 section; 50350B for 4, 5, and 6 section; 51296 for 7 and 8 section.

B40/6	322	201GAS	D	10"	51057	4 1/2	5/8 (.625)	15/32 (.469)	85%	4 slot	none	3.5
B40/7	406	301GAS	S	14"B	51062	4 1/2	7/16 (.438)	23/64 (.359)	35%	4 slot	full	3.5NG/3.3LP
B40/8	490	301GAS	S	14"B	51062	4 1/2	1/2 (.500)	13/32 (.406)	50%	4 slot	full	3.0NG/3.4LP
B40/9	574	301GAS	B	14"B	51062	4 1/2	35/64 (.546)	7/16 (.438)	45%	4 slot	center	3.0NG/3.2LP
B40/10	658	301GAS	B	14"B	51062	4 1/2	19/32 (.593)	15/32 (.469)	65%	4 slot	center	3.5NG/3.3LP
B40/11	742	301GAS	B	14"B	51062	4 1/2	5/8 (.625)	31/64 (.484)	90%	4 slot	center	3.4NG/3.5LP
B40/12	826	601GAS	11	14"C	51062	4 1/2	11/16 (.687)	17/32 (.531)	4	--	--	3.5
SG-3	120	EZGas Pro	9S	10"S	51214	3 1/2	D (.246)	#8 (.199)	20%	2 slot	blank	3.5
SG-4	162	EZGas Pro	9S	10"S	51214	3 1/2	19/64 (.297)	C (.242)	35%	2 slot	blank	3.5
SG-5	204	EZGas Pro	9S	10"S	51214	3 1/2	3/8 (.375)	19/64 (.297)	60%	2 slot	blank	3.5
SG-6	246	EZGas Pro	A	10"S	51214	3 1/2	25/64 (.391)	O (.316)	65%	2 slot	blank	3.5
SG-7	272	EZGas Pro	A	10"S	51214	3 1/2	1/2 (.500)	23/64 (.359)	80%	2 slot	blank ²	3.5

SG-7: Carlin recommended firing rate

¹ B10/3 and B10/4 burners require a 28 hole blender installed

² Requires spacer behind air flow switch cover plate - P/N: 50925

B10 and SG burners include gasket under ignitor and grommet in access cover: kit # GSKTKIT1

Bock Water Heater

32PG, 32PPG	104	EZGas Pro	B	10"	9858401	5 3/8	#2 (.221)	#18 (.170)	25%	1 slot	blank	3.5
33PG	104	EZGas Pro	B	10"	9858401	5 3/8	#2 (.221)	#18 (.170)	25%	1 slot	blank	3.5
40PG, 40PPG	125	EZGas Pro	B	10"	9858401	5 3/8	D (.246)	#12 (.190)	45%	1 slot	blank	3.5
50ES PG	140	EZGas Pro	B	10"	9858401	5 3/8	F (.257)	#5 (.206)	55%	1 slot	blank	3.5
51PG, 51PPG	152	EZGas Pro	B	10"	9858401	5 3/8	I (.272)	7/32 (.219)	60%	1 slot	blank	3.5
120PG	155	EZGas Pro	B	10"	9878401	5 3/8	I (.272)	7/32 (.219)	60%	1 slot	blank	3.5
71PG	173	EZGas Pro	A	10"	9862201	5 3/8	N (.302)	# 1 (.228)	30%	2 slot	blank	3.5
72PG	194	EZGas Pro	A	10"	9862201	5 3/8	O (.316)	F (.257)	50%	2 slot	blank	3.5
73PG	242	EZGas Pro	A	10"	9862201	5 3/8	23/64 (.359)	19/64 (.296)	85%	2 slot	blank	3.5
190PG	190	EZGas Pro	A	10"	9858501	5 3/8	P (.323)	1/4 (.250)	35%	2 slot	blank	3.5
241PG	277	EZGas Pro	A	14"	9920401	8 3/4	29/64 (.453)	R (.339)	100%	2 slot	blank	3.5
361PG	399	201GAS	A	12"	TBD	9 1/2	1/2 (.500)	13/32 (.406)	75%	4 slot	none	3.5
32BCS PG	104	EZGas Pro	B	10"	9858401	5 3/8	#2 (.221)	#18 (.170)	10%	Air Boot	--	3.5
40BCS PG	125	EZGas Pro	B	10"	9858401	5 3/8	D (.246)	#12 (.190)	15%	Air Boot	--	3.5
51BCS PG	152	EZGas Pro	B	10"	9858401	5 3/8	I (.272)	7/32 (.219)	20%	Air Boot	--	3.5
120BCS PG	155	EZGas Pro	B	10"	9878401	5 3/8	I (.272)	7/32 (.219)	20%	Air Boot	--	3.5
190BCS PG	190	EZGas Pro	A	10"	9858501	5 3/8	P (.323)	1/4 (.250)	35%	Air Boot	--	3.5

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

Buderus

G115-3	85	EZGas Pro	C	12"	50059	4	#3 (.213)	#22 (.157)	40%	1 slot	blank	3.5
G115-3WS	105	EZGas Pro	C	12"	50059	4	D (.246)	#9 (.196)	80%	1 slot	blank	3.5
G115-4	110	EZGas Pro	B	12"	98896	4	7/32 (.219)	#17 (.173)	30%	1 slot	blank	3.5
G115-4WS	132	EZGas Pro	B	12"	98896	4	1/4 (.250)	#8 (.199)	40%	1 slot	blank	3.5
G115-5	140	EZGas Pro	B	12"	98896	4	I (.272)	#5 (.206)	50%	1 slot	blank	3.5
G115-5WS	162	EZGas Pro	B	12"	98896	4	19/64 (.297)	#2 (.221)	55%	1 slot	blank	3.5
G115-3-DV	85	EZGas Pro	C	12"	50059	4	#3 (.213)	#22 (.157)	40%	Air Boot	blank	3.5NG/3.4LP
G115-4-DV	110	EZGas Pro	B	12"	98896	4	7/32 (.219)	#17 (.173)	30%	Air Boot	blank	3.5
G115-5-DV	140	EZGas Pro	B	12"	98896	4	I (.272)	#5 (.206)	50%	Air Boot	blank	3.5
Burner includes gasket under ignitor and grommet in access cover.												
Only use welded flange burners with G115 boilers.												
G215-3	154	EZGas Pro	9S	10"	Universal	3 1/4	I (.272)	7/32 (.219)	30%	2 slot	blank	3.5
G215-4	196	EZGas Pro	9S	10"	Universal	3 1/4	21/64 (.328)	1/4 (.250)	50%	2 slot	blank	3.5
G215-5	238	EZGas Pro	A	10"	Universal	3 1/4	11/32 (.344)	19/64 (.297)	60%	2 slot	blank	3.5
G215 series: Must have gasket under ignitor and grommet in access cover: kit # GSKTKIT1												

Burnham (U.S. Boiler)

V903A	447	301GAS	B	14" B	99597	4 1/8	31/64 (.484)	25/64 (.391)	35%	4 slot	full	3.5NG/3.4LP
V904A	606	301GAS	B	14" B	99597	4 1/8	37/64 (.578)	7/16 (.438)	65%	4 slot	full	3.5NG/3.6LP
V905A	808	601GAS	11	14" B	99597	4 1/8	23/32 (.719)	33/64 (.516)	2	--	--	3.5NG/3.6LP
V906A	1010	601GAS	12	14" D	99600	4 1/8	1 1/16 (1.06)		4	--	--	3.5
	1010		11	14" C	99599	4 1/8	5/8 (.625)	4	--	--	3.5	
V907A	1198	601GAS	32	14" D	99600	4 1/8	15/16 (.938)		5	--	--	3.6
	1198		31	14" C	99599	4 1/8	19/32 (.594)	4.5	--	--	3.5	
V908A	1386	601GAS	32	14" D	99600	4 1/8	1 1/8 (1.125)		8	--	--	3.5
	1386		31	14" C	99599	4 1/8	11/16 (.688)	6	--	--	3.2	
3 through 5 section boilers require 8" extended front plate P/N 6022909 and burner adapter plate P/N 602292311 (order from Burnham)												

Campo Equipment

MLPGFH315400	297	201GAS	A	16"	Universal	3 1/2	13/32 (.406)		10%	4 slot	--	3.5
	342						7/16 (.438)		5%	4 slot	--	3.5
	399						9/16 (.562)		60%	4 slot	--	3.5

Columbia Boiler

CBX-120	120	EZGas Pro	B	10"	99553	1 3/4	C (.242)	#9 (.196)	40NG/49LP	1 slot	blank	3.5
CBX-140	140	EZGas Pro	B	10"	99553	1 3/4	1/4 (.250)	7/32 (.218)	45NG/60LP	1 slot	blank	3.5
CBX-160	160	EZGas Pro	B	10"	99553	1 3/4	L (.290)	15/64 (.234)	85%	1 slot	blank	3.5
CBX-120-DV	120	EZGas Pro	B	12"/ 10"	50171	1 3/4	C (.242)	#9 (.196)	11NG/17LP	Air Boot	--	3.5
CBX-140-DV	140	EZGas Pro	B	12"/ 10"	50171	1 3/4	1/4 (.250)	7/32 (.218)	17NG/25LP	Air Boot	--	3.5
CBX-160-DV	160	EZGas Pro	B	12"/ 10"	50171	1 3/4	L (.290)	15/64 (.234)	32%	Air Boot	--	3.5
CSFH-3085	119	EZGas Pro	9S	10"	Universal	2 1/2	15/64 (.234)	3/16 (.187)	30%	1 slot	blank	3.5
CSFH 3100	140	EZGas Pro	9S	10"	Universal	2 1/2	17/64 (.265)	7/32 (.219)	45%	1 slot	blank	3.5
CSFH4100	140	EZGas Pro	9S	10"	Universal	2 1/2	17/64 (.265)	7/32 (.219)	25%	2 slot	blank	3.5
CSFH4125	175	EZGas Pro	9S	10"	Universal	2 1/2	21/64 (.328)	17/64 (.265)	45%	2 slot	blank	3.5
CSFH 4145	203	EZGas Pro	9S	10"	Universal	2 1/2	11/32 (.343)	9/32 (.281)	65%	2 slot	blank	3.5
CSFH 5160	224	EZGas Pro	A	10"	Universal	2 1/2	21/64 (.328)	9/32 (.281)	60%	2 slot	blank	3.5
CSFH 5185 ¹	259	EZGas Pro	A	10"	Universal	2 1/2	V (.377)	21/64 (.328)	75%	2 slot	blank ¹	3.5
CSFH 6175	245	EZGas Pro	A	10"	Universal	2 1/2	25/64 (.391)	19/64 (.297)	75%	2 slot	blank	3.4NG/3.5LP
CSFH 6210	295	201GAS	A	10"	Universal	2 1/2	25/64 (.391)	21/64 (.328)	40%	2 slot	full	3.4NG/3.0LP
¹ Air flow switch cover spacer required - P/N: 50925												
CT-6	252	EZGas Pro	9S	12"	99630	4 3/4	3/8 (.375)	19/64 (.297)	80%	2 slot	blank	3.5
CT-6	252	202GAS	B	12"	99322	4 3/4	23/64 (.359)	19/64 (.297)	50%	2 slot	full	3.5
CT-10	420	202GAS	A	12"	99321	4 3/4	43/64 (.672)	29/64 (.453)	80%	4 slot	none	3.6
CT-10	420	301GAS	B	14" B	99328	4 3/4	29/64 (.453)	S (.348)	15%	4 slot	full	3.5
CT-15	630	301GAS	B	14" B	99328	4 3/4	37/64 (.578)	29/64 (.453)	65%	4 slot	full	3.5
CT-20	840	301GAS	C	14" C	99327	4 3/4	3/4 (.750)	35/64 (.546)	35NG/50LP	4 slot	none	3.5
CT-25	1050	601GAS	11	14" C	99327	4 3/4	1 (1.00)	19/32 (.593)	1.5NG/ 2LP	--	--	3.8NG/3.5LP

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

Columbia Boiler cont'd

EMG-31-120	120	EZGas Pro	9S	10"S	50659	1 3/4	C (.242)	11/64 (.172)	31%	1 slot	blank	3.5
EMG-31-140	140	EZGas Pro	9S	10"S	50659	1 3/4	1/4 (.250)	13/64 (.203)	45%	1 slot	blank	3.5
EMG-31-160	160	EZGas Pro	9S	10"S	50659	1 3/4	L (.290)	7/32 (.218)	65NG/78LP	1 slot	blank	3.5
EMG-180	180	EZGas Pro	9S	10"S	50659	1 3/4	N (.302)	C (.242)	38NG/45LP	2 slot	blank	3.5
EMG-200	200	EZGas Pro	9S	10"S	50659	1 3/4	5/16 (.312)	17/64 (.266)	33NG/50LP	2 slot	blank	3.5
EMG-220	220	EZGas Pro	9S	10"S	50659	1 3/4	T (.358)	9/32 (.281)	56NG/70LP	2 slot	blank	3.5
GL-18	196	EZGas Pro	A	12"	99630	4 3/4	5/16 (.312)	1/4 (.250)	35%	2 slot	blank	3.5
GL-18	196	201GAS	C	10"	99904	3 1/2	11/32 (.344)	9/32 (.281)	50%	2 slot	full	3.5
GL-20	280	201GAS	A	10"	Universal	Adj	W (.386)	O (.316)	0%	4 slot	none	3.5
GL-22	336	201GAS	A	10"	Universal	Adj	27/64 (.422)	T (.358)	20%	4 slot	none	3.5
VT-3	150	EZGas Pro	B	12"	99630	4 3/4	9/32 (.281)	7/32 (.218)	45%	1 slot	blank	3.5

Crown Boiler

TWZ065 (3 sec.)	91	EZGas Pro	9S	10"	Universal	2 1/4	13/64 (.203)	#21 (.159)	25%	1 slot	blank	3.5
TWZ075 (3 sec.)	105	EZGas Pro	9S	10"	Universal	2 1/4	#4 (.209)	#17 (.173)	30%	1 slot	blank	3.5
TWZ100 (3 sec.)	140	EZGas Pro	9S	10"	Universal	2 1/4	1/4 (.250)	13/64 (.203)	55%	1 slot	blank	3.5
TWZ090 (4 sec.)	126	EZGas Pro	9S	10"	Universal	2 1/4	1/4 (.250)	#8 (.199)	25%	2 slot	blank	3.5
TWZ125 (4 sec.)	175	EZGas Pro	9S	10"	Universal	2 1/4	19/64 (.297)	1/4 (.250)	45%	2 slot	blank	3.5
TWZ150 (4 sec.)	210	EZGas Pro	9S	10"	Universal	2 1/4	T (.258)	19/64 (.297)	75%	2 slot	blank	3.5
TWZ120 (5 sec.)	168	EZGas Pro	A	10"	Universal	2 1/4	9/32 (.281)	7/32 (.219)	35%	2 slot	blank	3.5
TWZ175 (5 sec.)	245	EZGas Pro	A	10"	Universal	2 1/4	25/64 (.391)	5/16 (.312)	65%	2 slot	blank	3.5
TWZ200 (5 sec.)	275	EZGas Pro	A	10"	Universal	2 1/4	15/32 (.469)	21/64 (.328)	85%	2 slot	blank	3.5

Dunkirk

3EW.65Z	91	EZGas Pro	9S	10"	Universal	2 1/4	13/64 (.203)	5/32 (.156)	20%	1 slot	blank	3.5
3EW.75Z	105	EZGas Pro	9S	10"	Universal	2 1/4	7/32 (.219)	11/64 (.172)	25%	1 slot	blank	3.5
3EW1.00Z	140	EZGas Pro	9S	10"	Universal	2 1/4	17/64 (.265)	13/64 (.203)	45%	1 slot	blank	3.5
4EW.90Z	126	EZGas Pro	9S	10"	Universal	2 1/4	D (.246)	#12 (.189)	25%	2 slot	blank	3.5
4EW1.25Z	175	EZGas Pro	9S	10"	Universal	2 1/4	5/16 (.312)	C (.242)	45%	2 slot	blank	3.4NG/3.5LP
4EW1.50Z	210	EZGas Pro	9S	10"	Universal	2 1/4	T (.258)	9/32 (.281)	60%	2 slot	blank	3.3NG/3.2LP
5EW1.20T	168	EZGas Pro	9S	10"	Universal	2 1/4	L (.290)	15/64 (.234)	40%	2 slot	blank	3.5

Dynatherm Boiler Manufacturing

FP-18	91	EZGas Pro	B	10"	99413	3	13/64 (.203)	9/64 (.140)	15%	1 slot	blank	3.5
	105						#3 (.213)	#21 (.159)	23%	1 slot	blank	3.5
	119						15/64 (.234)	11/64 (.171)	33%	1 slot	blank	3.5
FP-24	119	EZGas Pro	B	10"	99413	3	15/64 (.234)	11/64 (.171)	42%	1 slot	blank	3.5
	140						17/64 (.265)	13/64 (.203)	60%	1 slot	blank	3.5
	175						5/16 (.312)	B (.238)	90%	1 slot	blank	3.5
FP-36	175	EZGas Pro	B	10"	99413	3	5/16 (.312)	B (.238)	50NG/40LP	2 slot	blank	3.5
	189						Q (.332)	F (.257)	60NG/53LP	2 slot	blank	3.5
	210						3/8 (.375)	J (.277)	83NG/67LP	2 slot	blank	3.5
FP-48	259	201GAS	B	10"	99618	3	3/8 (.375)	5/16 (.312)	40%	2 slot	full	3.3NG/3.5LP
	280						3/8 (.375)	O (.316)	50%	2 slot	full	3.7NG/3.2LP
	300						25/64 (.390)	O (.316)	65NG/75LP	2 slot	full	3.2NG/3.5LP
FP-18-DV	91	EZGas Pro	B	10"	99413	3	13/64 (.203)	9/64 (.140)	6%	Air Boot	--	3.5
	105						#3 (.213)	#21 (.159)	8%	Air Boot	--	3.5
	119						15/64 (.234)	11/64 (.171)	12%	Air Boot	--	3.5
FP-24-DV	119	EZGas Pro	B	10"	99413	3	15/64 (.234)	11/64 (.171)	10%	Air Boot	--	3.5
	140						17/64 (.265)	13/64 (.203)	18%	Air Boot	--	3.5
	175						5/16 (.312)	B (.238)	37NG/28LP	Air Boot	--	3.5
FP-36-DV	175	EZGas Pro	B	10"	99413	3	5/16 (.312)	B (.238)	37NG/32LP	Air Boot	--	3.5
	189						Q (.332)	F (.257)	43%	Air Boot	--	3.5
	210						3/8 (.375)	J (.277)	75NG/85LP	Air Boot	--	3.5

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

EFM

PK440/ PK450	120	EZGas Pro	9S	12"S	50677	5 1/2	C (.242)	11/64 (.172)	34NG/23LP	1 slot	blank	3.5
	140						1/4 (.250)	13/64 (.203)	42%	1 slot	blank	3.5
	160						L (.290)	7/32 (.218)	68NG/72LP	1 slot	blank	3.5
SPK-600	180	EZGas Pro	9S	12"S	50677	5 1/2	N (.302)	C (.242)	30NG/40LP	2 slot	blank	3.5
	200						5/16 (.312)	17/64 (.266)	30NG/49LP	2 slot	blank	3.5
	220						T (.358)	9/32 (.281)	42NG/50LP	2 slot	blank	3.5
VT1000	120	EZGas Pro	9S	12"S	50677	5 1/2	C (.242)	11/64 (.172)	40NG/30LP	1 slot	blank	3.5
	140						1/4 (.250)	13/64 (.203)	47NG/40LP	1 slot	blank	3.5
	160						L (.290)	7/32 (.218)	65NG/70LP	1 slot	blank	3.5

Energy Kinetics

EK-1 Frontier	80	EZGas Pro	B	7"	50710 ³	2 3/8	#8 (.199)	#25 (.149)	¹ 25% ²	1 slot	blank	3.5
	100						#1 (.228)	#16 (.177)	¹ 40% ²	1 slot	blank	3.5
	120						C (.242)	#12 (.189)	¹ 50% ²	1 slot	blank	3.5
	150						J (.277)	7/32 (.219)	¹ 70% ²	1 slot	blank	3.5
EK-2 Frontier	175	EZGas Pro	A	7"	50710 ³	2 3/8	N (.302)	C (.242)	¹ 45% ²	2 slot	blank	3.5
	200						21/64 (.328)	17/64 (.266)	¹ 55% ²	2 slot	blank	3.5
	225						T (.358)	9/32 (.281)	¹ 70% ²	2 slot	blank	3.5
	250						X (.397)	5/16 (.312)	¹ 85% ²	2 slot	blank	3.5
EK-3 Frontier	300	201GAS	A	10"	99484	2 3/8	27/64 (.422)	23/64 (.359)	10NG/16LP	4 slot	none	3.5
	350						1/2 (.500)	13/32 (.406)	35NG/50LP	4 slot	none	3.5
	399						23/32 (.712)	29/64 (.451)	65NG/85LP	4 slot	none	3.5

Ascent Boiler

EK-1T	100	EZGas Pro	B	7"	50710	2 3/8	#1 (.228)	#16 (.177)	35%	1 slot	blank	3.5
	120						C (.242)	#12 (.189)	45%	1 slot	blank	3.5
	150						J (.277)	7/32 (.219)	60%	1 slot	blank	3.5
EK-1T	175	EZGas Pro	A	7"	50710	2 3/8	N (.302)	C (.242)	40%	2 slot	blank	3.5

¹ When firing Natural Gas set O₂ readings between 4.5%-5.5%

² When firing Propane gas set O₂ reading between 4.5%-6.0%

³ Older versions used a 10" air tube with dual flanges. Use part number 9921501 for EK-1 and part number 9921401 for EK-2.

Equipment Source

ES 700	650	301GAS	B	14" C	99373	4 3/4	19/32 (.594)	15/32 (.469)	45NG/47LP	4 slot	full	3.1
	700						19/32 (.594)	15/32 (.469)	47NG/57LP	4 slot	full	3.5

Fleetline Products Ltd.

Aqua-Matic Sereis Boiler												
80	80	EZGas Pro	B	10"	98710	2 7/8	#10 (.194)	#24 (.152)	8%	1 slot	blank	3.5
100	100	EZGas Pro	B	10"	98710	2 7/8	15/64 (.234)	#18 (.169)	20%	1 slot	blank	3.0
120	120	EZGas Pro	B	10"	98710	2 7/8	C (.242)	#11 (.191)	30%	1 slot	blank	3.5
150	150	EZGas Pro	B	10"	98710	2 7/8	I (.272)	15/64 (.234)	40%	1 slot	blank	3.5
180	180	EZGas Pro	B	10"	98710	2 7/8	O (.316)	1/4 (.250)	70%	1 slot	blank	3.5
80 ¹	80	EZGas Pro	B	10"	98710	2 7/8	#10 (.194)	#24 (.152)	5%	Air Boot	--	3.5
100 ¹	100	EZGas Pro	B	10"	98710	2 7/8	15/64 (.234)	#18 (.169)	10%	Air Boot	--	3.0
120 ¹	120	EZGas Pro	B	10"	98710	2 7/8	C (.242)	#11 (.191)	15%	Air Boot	--	3.5
150 ²	150	EZGas Pro	B	10"	98710	2 7/8	I (.272)	15/64 (.234)	20%	Air Boot	--	3.5
180 ²	180	EZGas Pro	B	10"	98710	2 7/8	O (.316)	1/4 (.250)	35%	Air Boot	--	3.5

¹ Direct vent version of boiler using 3" exhaust and 4" intake duct.

² Direct vent version of boiler using 4" exhaust and 4" intake duct.

FW Webb PurePro

Advantage												
AO-3	91	EZGas Pro	9S	10"	Universal	2 1/4	13/64 (.203)	#21 (.159)	25%	1 slot	blank	3.5
	105						#4 (.209)	#17 (.173)	30%	1 slot	blank	3.5
	140						1/4 (.250)	13/64 (.203)	55%	1 slot	blank	3.5
AO-4	175	EZGas Pro	9S	10"	Universal	2 1/4	19/64 (.297)	1/4 (.250)	45%	2 slot	blank	3.5
	210						T (.258)	19/64 (.297)	75%	2 slot	blank	3.5
AO-5	245	EZGas Pro	9S	10"	Universal	2 1/4	25/64 (.391)	5/16 (.312)	65%	2 slot	blank	3.5
	275						15/32 (.469)	21/64 (.328)	85%	2 slot	blank	3.5

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

FW Webb PurePro cont'd

Trio												
P3	85	EZGas Pro	9S	12"/ 10"	50363B	1 3/4	#12 (.189)	#23 (.154)	10%	1 slot	blank	3.5
	105						#1 (.228)	#15 (.180)	20%	1 slot	blank	3.5
P4	116	EZGas Pro	9S	12"/ 10"S	50361B	1 3/4	15/64 (.234)	#13 (.185)	18%	2 slot	blank	3.5
	140						G (.261)	#6 (.204)	25%	2 slot	blank	3.5
P5	145	EZGas Pro	9S	12"/ 10"S	50361B	1 3/4	17/64 (.266)	#4 (.209)	27%	2 slot	blank	3.5
	175						5/16 (.312)	C (.242)	40%	2 slot	blank	3.5
Burner includes gasket under ignitor and grommet in access cover.												
TRIO MAX/ MAX H2O												
PROM3(T)	140	EZGas Pro	9S	12"S	51701	3 1/2	9/32 (.281)	#2 (.221)	30%	2 slot	blank	3.5
PROM4(T)	175	EZGas Pro	9S	12"S	51701	3 1/2	5/16 (.312)	17/64 (.266)	40%	2 slot	blank	3.5
PROM5(T)	210	EZGas Pro	A-1	12"S	51701	3 1/2	S (.348)	9/32 (.281)	55%	2 slot	blank	3.5
PROM6(T)	245	EZGas Pro	A-1	12"S	51701	3 1/2	Z (.413)	S (.348)	75NG/85LP	2 slot	blank	3.5
TRIO MAX/ MAX H2O burners are built with gasket under ignitor and grommet in access cover.												
PC6230	322	201GAS	D	10"	51057	4 1/2	5/8 (.625)	15/32 (.469)	85%	4 slot	none	3.5
PC7290	406	301GAS	S	14"B	51062	4 1/2	7/16 (.438)	23/64 (.359)	35%	4 slot	full	3.5NG/3.3LP
PC8350	490	301GAS	S	14"B	51062	4 1/2	1/2 (.500)	13/32 (.406)	50%	4 slot	full	3.0NG/3.4LP
PC9410	574	301GAS	B	14"B	51062	4 1/2	35/64 (.546)	7/16 (.438)	45%	4 slot	center	3.0NG/3.2LP
PC10470	658	301GAS	B	14"B	51062	4 1/2	19/32 (.593)	15/32 (.469)	65%	4 slot	center	3.5NG/3.3LP
PC11530	742	301GAS	B	14"B	51062	4 1/2	5/8 (.625)	31/64 (.484)	90%	4 slot	center	3.4NG/3.5LP
PC12590	826	301GAS	B	14"C	51063	4 1/2	11/16 (.687)	17/32 (.531)	60%	4 slot	none	3.5

Giant Factories Inc.

OG32	84	EZGas Pro	B	10"	99951	2 7/8	#9 (.196)	9/64 (.140)	20%	1 slot	blank	3.5
	91						#4 (.209)	#25 (.149)	25%	1 slot	blank	3.5
	105						#1 (.228)	#15 (.180)	35%	1 slot	blank	3.5
OG50	98	EZGas Pro	B	10"	99951	2 7/8	7/32 (.219)	#18 (.170)	30%	1 slot	blank	3.5
	105						15/64 (.234)	#14 (.182)	40%	1 slot	blank	3.5
	119						D (.246)	#10 (.193)	45%	1 slot	blank	3.5

Granby Heating Products

CB3	94	EZGas Pro	9S	10"S	Universal	3	7/32 (.219)	#18 (.169)	27%	1 slot	blank	3.2
CB4	137	EZGas Pro	9S	10"S	Universal	3	17/64 (.266)	#2 (.221)	53%	1 slot	blank	3.5
CB5	172	EZGas Pro	9S	10"S	Universal	3	P (.323)	17/64 (.266)	47%	2 slot	blank	3.5NG/3.2LP
CB6	215	EZGas Pro	9S	10"S	Universal	3	25/64 (.391)	O (.316)	80%	2 slot	blank	3.5
CB-3-DV	94	EZGas Pro	9S	10"S	Universal	3	7/32 (.219)	#18 (.169)	27%	1 slot	blank	3.2
CB-4-DV	137	EZGas Pro	9S	10"S	Universal	3	17/64 (.266)	#2 (.221)	53%	1 slot	blank	3.5
CB-5-DV	172	EZGas Pro	9S	10"S	Universal	3	P (.323)	17/64 (.266)	47%	2 slot	blank	3.5NG/3.2LP
CB-6-DV	215	EZGas Pro	9S	10"S	Universal	3	25/64 (.391)	O (.316)	80%	2 slot	blank	3.5
CB series: Must have gasket under ignitor and grommet in access cover: kit # GSKTKIT1												

Ground Heaters

Artic Bear		301GAS	C	14" C	99511	4 1/2	5/8 (.625)	15/32 (.469)	80%	4 slot	full	4.2
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Hallmark Furnace

HBD-85	105	EZGas Pro	B	12"	Universal	5 3/4	#2 (.221)	#16 (.177)	20%	1 slot	blank	3.5
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John Wood Water Heater

JW6F-307-400	91	EZGas Pro	B	12"	Universal	4 3/4	13/64 (.203)	5/32 (.156)	22%	1 slot	blank	3.5
	105	EZGas Pro	B	12"	Universal	4 3/4	7/32 (.219)	11/64 (.172)	35%	1 slot	blank	3.5
JW6F-507-400	105	EZGas Pro	B	14"	Universal	5 3/4	7/32 (.219)	11/64 (.172)	30%	1 slot	blank	3.5
JW317/ 327	105	EZGas Pro	B	14"	9931601	7	7/32 (.219)	11/64 (.172)	22%	1 slot	blank	3.5
JW517/ 527	119	EZGas Pro	B	14"	9931601	7	D (.246)	#7 (.201)	23%	1 slot	blank	3.5
JW717/ 727	140	EZGas Pro	B	14"	9931601	7	17/64 (.266)	#3 (.213)	31%	1 slot	blank	3.5
JWF307	91	EZGas Pro	B	12"	9966201	4 3/4	13/64 (.203)	#19 (.166)	12%	1 slot	blank	3.5
	105						7/32 (.219)	11/64 (.172)	22%	1 slot	blank	3.5
JWF507	105	EZGas Pro	B	12"	9966301	5 3/4	7/32 (.219)	11/64 (.172)	24%	1 slot	blank	3.5
JWF657	140	EZGas Pro	B	14"	9931701	7 3/4	1/4 (.250)	#3 (.213)	25%	1 slot	blank	3.5
	175						P (.323)	G (.261)	80%	1 slot	blank	3.5

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

Lanair/ Clean Burn

CB1750	175	EZGas Pro	A	10"	Universal	Adj	5/16 (.312)	1/4 (.250)	35%	2 slot	blank	3.5
CB2500	250	EZGas Pro	A	10"	Universal	Adj	3/8 (.375)	L (.290)	75%	2 slot	blank	3.5
CB3250	325	201GAS	A	10"	Universal	Adj	7/16 (.437)	Q (.332)	25%	4 slot	none	3.5
CB3500	350	201GAS	A	10"	Universal	Adj	15/32 (.469)	11/32 (.344)	35%	4 slot	none	3.5

Metromatic

HBSU84	105	EZGas Pro	B	14"	Universal	6	#1 (.228)	11/64 (.172)	20%	1 slot	blank	3.5
HBSU100	119	EZGas Pro	B	14"	Universal	6	C (.242)	#11 (.191)	30%	1 slot	blank	3.5
HBSU120	140	EZGas Pro	B	14"	Universal	6	1/4 (.250)	13/64 (.203)	40%	1 slot	blank	3.5

New Yorker Boiler Co.

FR-98-W	120	EZGas Pro	9S	10"	Universal	1 1/2	C (.221)	#7 (.201)	35%	1 slot	blank	3.5
FR-122-W	150	EZGas Pro	9S	10"	Universal	1 1/2	I (.272)	A (.234)	50%	1 slot	blank	3.5
FR-98-W-DV	120	EZGas Pro	9S	10"	Universal	1 1/2	C (.221)	#7 (.201)	35%	1 slot	blank	3.5
FR-122-W-DV	150	EZGas Pro	9S	10"	Universal	1 1/2	I (.272)	A (.234)	50%	1 slot	blank	3.5

HGSI	110	EZGas Pro	9S	10"	Universal	1 1/2	A (.234)	#13 (.185)	30%	1 slot	blank	3.5NG/3.2LP
	140						F (.257)	A (.234)	45%	1 slot	blank	3.5NG/3.2LP
HGSI-DV	110	EZGas Pro	9S	10"	Universal	1 1/2	A (.234)	#13 (.185)	30%	1 slot	--	3.5NG/3.2LP
	140						F (.257)	A (.234)	45%	1 slot	--	3.5NG/3.2LP

NEED BURNER COVER FOR DIRECT VENT MODELS

CL3-091	91	EZGas Pro	9S	10"	Universal	2 1/4	13/64 (.203)	#21 (.159)	25%	1 slot	blank	3.5
CL3-105	105	EZGas Pro	9S	10"	Universal	2 1/4	#4 (.209)	#17 (.173)	30%	1 slot	blank	3.5
CL3-140	140	EZGas Pro	9S	10"	Universal	2 1/4	1/4 (.250)	13/64 (.203)	55%	1 slot	blank	3.5
CL4-126	126	EZGas Pro	9S	10"	Universal	2 1/4	1/4 (.250)	#8 (.199)	25%	2 slot	blank	3.5
CL4-175	175	EZGas Pro	9S	10"	Universal	2 1/4	19/64 (.297)	1/4 (.250)	45%	2 slot	blank	3.5
CL4-210	210	EZGas Pro	9S	10"	Universal	2 1/4	T (.258)	19/64 (.297)	75%	2 slot	blank	3.5
CL5-168	168	EZGas Pro	A	10"	Universal	2 1/4	9/32 (.281)	7/32 (.219)	35%	2 slot	blank	3.5
CL5-245	245	EZGas Pro	A	10"	Universal	2 1/4	25/64 (.391)	5/16 (.312)	65%	2 slot	blank	3.5
CL5-275	275	EZGas Pro	A	10"	Universal	2 1/4	15/32 (.469)	21/64 (.328)	85%	2 slot	blank	3.5

Olsen Furnace

BCL 130S	154	EZGas Pro	B	14"	Universal	6 1/2	I (.272)	#1 (.228)	50%	1 slot	blank	3.5
BCL145S	168	EZGas Pro	B	14"	Universal	6 1/2	L (.290)	15/64 (.234)	60%	1 slot	blank	3.5

MPL 90	91	EZGas Pro	B	14"	Universal	6 1/2	#2 (.221)	#16 (.177)	20%	1 slot	blank	3.5
MPL 100	101	EZGas Pro	B	14"	Universal	6 1/2	A (.234)	#12 (.189)	30%	1 slot	blank	3.5
MPL 120	117	EZGas Pro	B	14"	Universal	6 1/2	E (.250)	#8 (.199)	35%	1 slot	blank	3.5
MPL 130	128	EZGas Pro	B	14"	Universal	6 1/2	17/64 (.267)	#4 (.209)	45%	1 slot	blank	3.5

Peerless (PB Heat)

EC/ECT-03-075	105	EZGas Pro	9S	10"	Universal	2 1/2	7/32(.2187)	11/64(.1718)	30%	1 slot	blank	3.5
EC/ECT-03-100	140	EZGas Pro	9S	10"	Universal	2 1/2	1/4(.250)	13/64(.2031)	42%	1 slot	blank	3.5
EC/ECT-03-120	168/150	EZGas Pro	9S	10"	Universal	2 1/2	17/64(.2656)	7/32(.2187)	65%	1 slot	blank	3.5
EC/ECT-04-125	175	EZGas Pro	9S	10"	Universal	2 1/2	9/32(.2812)	15/64 (.234)	40%	2 slot	blank	3.5
EC/ECT-04-150	210	EZGas Pro	9S	10"	Universal	2 1/2	21/64(.3281)	17/64(.2656)	60%	2 slot	blank	3.5
EC/ECT-04-175	245	EZGas Pro	A	10"	Universal	2 1/2	11/32 (.344)	9/32(.2812)	45%	2 slot	blank	3.5
EC/ECT-05-175	245	EZGas Pro	A	10"	Universal	2 1/2	11/32 (.344)	9/32(.2812)	45%	2 slot	blank	3.5
EC/ECT-05-200	280/275	EZGas Pro	A	10"	Universal	2 1/2	7/16(.4375)	11/32(.3437)	75%	2 slot	blank	3.5
EC/ECT-05-250	350	201GAS	A	10"	Universal	2 1/2	15/32(.4687)	23/64 (.359)	35%	4 slot	none	3.5
EC/ECT-06-275	385	201GAS	A	10"	Universal	2 1/2	1/2 (.500)	3/8 (.375)	40%	4 slot	none	3.5
EC/ECT-06-300	420/399	201GAS	A	10"	Universal	2 1/2	9/16(.5625)	7/16(.4375)	60%	4 slot	none	3.5

LC-04	686	301GAS	B	14" B	99581	2 1/8	19/32 (.594)	29/64 (.453)	80%	4 slot	center	3.5
	808	301GAS	C	14" C	99539	2 1/8	21/32 (.656)	1/2 (.500)	75%	4 slot	center	3.5
LC-05R	808	601GAS	11	14" C	99539	2 1/8	21/32 (.656)	1/2 (.500)	3.5NG/ 3LP	--	--	3.4NG/3.5LP
	881	301GAS	C	14" C	99539	2 1/8	23/32 (.719)	35/64 (.547)	60NG/65LP	4 slot	none	3.6NG/3.2LP
LC-05	881	601GAS	11	14" C	99539	2 1/8	23/32 (.719)	35/64 (.547)	4.5NG/ 4.75LP	--	--	3.6NG/3.1LP
	1077	601GAS	22	14" D	99540	2 1/8	1 1/4		6.5	--	--	3.5
LC-06	1077		21	14" C	99539	2 1/8		19/32 (.594)	6.5	--	--	3.5

For LC series with 301GAS & 601GAS use front plate # 86074 (order from Peerless)

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

Peerless (PB Heat) cont'd

LC-07	1273	601GAS	32	14" D	99540	2 1/8	1 1/4		7.25	--	--	3
	1273		31	14" C	99539	2 1/8		21/32 (6.56)	7.25	--	--	3.5
For LC series with 301GAS & 601GAS use front plate # 86074 (order from Peerless)												
SC/ SCT-05	433	301GAS	S	14" B	99749B	2 1/2	29/64 (.453)	3/8 (.375)	30NG/35LP	4 slot	full	3.5NG/3.6LP
SC/ SCT-06	505	301GAS	S	14" B	99749A	2 1/2	1/2 (.500)	13/32 (.406)	50NG/65LP	4 slot	full	3.5NG/3.4LP
SC/ SCT-07	577	301GAS	B	14" B	99749	2 1/2	35/64 (.547)	7/16 (.438)	40NG/50LP	4 slot	full	3.3NG/3.5LP
SC/ SCT-08	649	301GAS	B	14" B	99749	2 1/2	19/32 (.594)	29/64 (.453)	60NG/65LP	4 slot	full	3.4NG/3.5LP
SC/ SCT-09	722	301GAS	C	14" C	99733	2 1/2	19/32 (.594)	15/32 (.469)	40NG/50LP	4 slot	center	3.5
SC/ SCT-10	794	301GAS	C	14" C	99733	2 1/2	21/32 (.656)	1/2 (.500)	55NG/65LP	4 slot	center	3.4NG/3.5LP
For SC series use front plate # 90526 (order from Peerless)												
WBV-03	84	EZGas Pro	9S	10"	99033	2 1/2	#12 (.189)	#22 (.157)	20%	1 slot	blank	3.5
	119						A (.234)	#12 (.189)	35%	1 slot	blank	3.5
	140						F (.257)	#3 (.213)	50%	1 slot	blank	3.4
WBV-04	133	EZGas Pro	9S	10"	99033	2 1/2	F (.257)	13/64 (.203)	32%	2 slot	blank	3.2NG/3.4LP
	175						N (.302)	1/4 (.250)	42NG/50LP	2 slot	blank	3.6NG/3.2LP
	210						23/64 (.359)	1/4 (.250)	65NG/70LP	2 slot	blank	3.7NG/3.5LP
Must have gasket under ignitor and grommet in access cover: kit # GSKTKIT1												

Pensotti

DK2-3	98	EZGas Pro	9S	10"S	50682	3	#3 (.213)	#18 (.170)	18%	1 slot	blank	3.5NG/3.0LP
DK2-4	140	EZGas Pro	9S	10"S	50682	3	G (.261)	#3 (.213)	40%	1 slot	blank	3.5
DK2-5	175	EZGas Pro	9S	10"S	50682	3	O (.316)	C (.242)	72%	1 slot	blank	3.5
DK2-6	194	EZGas Pro	A	10"S	50682	3	21/64 (.328)	17/64 (.266)	48%	2 slot	blank	3.5
DK2-7	224	EZGas Pro	A	10"S	50682	3	U (.368)	19/64 (.297)	60NG/65LP	2 slot	blank	3.5
DK2-8 ¹	252	EZGas Pro	A	10"S	50682	3	29/64 (.453)	R (.339)	72% ¹	2 slot	blank	3.5
DK2 burners come with gasket under ignitor and grommet in access cover.												
¹ Air flow switch cover spacer required - P/N: 50925												
S1-18/ BL-3	97	EZGas Pro	B	10"S	9926601	3 1/4	7/32 (.219)	# 17 (.173)	25%	1 slot	blank	3.5
S1-26/ BL-4	137	EZGas Pro	B	10"S	9926601	3 1/4	I (.272)	7/32 (.219)	40NG/48LP	1 slot	blank	3.5
S1-34/ BL-5	177	EZGas Pro	A	10"S	9926501	3 1/4	O (.316)	1/4 (.250)	40%	2 slot	blank	3.5
S1-42/BL-6	217	EZGas Pro	A	10"S	9926501	3 1/4	W (.386)	L (.290)	62%	2 slot	blank	3.5
S1-50/ BL-7	257	EZGas Pro	A	10"S	9926501	3 1/4	7/16 (.438)	P (.323)	90NG/80LP	2 slot	blank	3.5

QHT Inc.

S10/3ES	73	EZGas Pro	9S-1	10"S	98865B	3	#9 (.196)	5/32 (.156)	23%	1 slot	blank	3.5NG/3.4LP
S10/3E	85	EZGas Pro	9S-1	10"S	98865B	3	7/32 (.219)	#14 (.182)	32%	1 slot	blank	3.5
S10/4ES	109	EZGas Pro	9S-1	10"S	98865B	3	9/32 (.281)	7/32 (.219)	55%	1 slot	blank	3.5
S10/4E	122	EZGas Pro	9S-1	10"S	98865B	3	19/64 (.297)	1/4 (.250)	70%	1 slot	blank	3.5
S10/5ES	153	EZGas Pro	9S	10"S ¹	51794	3	19/64 (.297)	15/64 (.234)	35%	2 slot	blank	3.5
S10/5E	170	EZGas Pro	9S	10"S ¹	51794	3	O (.316)	1/4 (.250)	40%	2 slot	blank	3.5
SRO/6	312	201GAS	A	10" ²	51768	3	15/32 (0.469)	23/64 (0.359)	35%	4 slot	blank	3.3
SRO/8	438	301GAS	S-1	14" B	51770	3	29/64 (0.453)	V (0.377)	40%	4 slot	full	3.5
SRO/10	560	301GAS	S-1	14" B	51770	3	33/64 (0.515)	27/64 (0.421)	40%	4 slot	none	3.5
SRO/12	686	301GAS	B	14" C	51772	3	19/32 (0.594)	15/32 (0.469)	60%	4 slot	full	3.5
SRO/14	776	301GAS	B	14" C	51772	3	21/32 (0.656)	1/2 (0.500)	50%	4 slot	none	3.5NG/3.3LP
SRU-30	140	EZGas Pro	9S	12"S	51701	3 1/2	9/32 (.281)	#2 (0.221)	30%	2 slot	blank	3.5
SRU-40	175	EZGas Pro	9S	12"S	51701	3 1/2	5/16 (.312)	17/64 (.266)	40%	2 slot	blank	3.5
SRU-50	210	EZGas Pro	A-1	12"S	51701	3 1/2	S (.348)	9/32 (.281)	55%	2 slot	blank	3.5
SRU-60	245	EZGas Pro	A-1	12"S	51701	3 1/2	Z (.413)	S (.348)	75NG/85LP	2 slot	blank	3.5
¹ Gas can has throttle ring welded on end												
² Gas can has throttle ring installed in end.												
QHT burners include gasket under ignitor and grommet in access cover: kit # GSKTKIT1												

Regal Star (Boyertown Furnace)

RSM-600	84	EZGas Pro	9S	12"	98896	4	#12 (.189)	#23 (.154)	18%	1 slot	blank	3.3
	105	EZGas Pro	9S	12"	98896	4	#1 (.228)	#15 (.180)	32%	1 slot	blank	3.2NG/3.1LP

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

Slant Fin

L/ LD30	154	EZGas Pro	9S	12"/ 10"S	50304	2 1/8	9/32 (.281)	#1 (.228)	60%	1 slot	blank	3.5NG/3.4LP
	175						O (.316)	15/64 (.234)	72%	1 slot	blank	3.4NG/3.5LP
L/ LD40	210	EZGas Pro	A	12"/ 10"S	50304	2 1/8	11/32 (.343)	17/64 (.266)	47%	2 slot	blank	3.4NG/3.5LP
	224						23/64 (.359)	9/32 (.281)	52%	2 slot	blank	3.5
	252						23/64 (.359)	21/64 (.328)	76%	2 slot	blank	3.7NG/3.4LP
L, LD series burners include gasket under ignitor and grommet in access cover.												
TR30	154	EZGas Pro	9S	12"/ 10"S	50304	2 1/8	9/32 (.281)	#1 (.228)	60%	1 slot	blank	3.5NG/3.4LP
	175						O (.316)	15/64 (.234)	72%	1 slot	blank	3.4NG/3.5LP
TR40	210	EZGas Pro	A	12"/ 10"S	50304	2 1/8	11/32 (.343)	17/64 (.266)	47%	2 slot	blank	3.4NG/3.5LP
	224						23/64 (.359)	9/32 (.281)	52%	2 slot	blank	3.5
	252						23/64 (.359)	21/64 (.328)	76%	2 slot	blank	3.7NG/3.4LP
TR series burners include gasket under ignitor and grommet in access cover.												
EC13	91	EZGas Pro	9S	12"S	50964	4 1/2	7/32 (.219)	#23 (.154)	20%	1 slot	blank	3.4
	98						#2 (.221)	#19 (.166)	25%	1 slot	blank	3.5
12" x 8" blanket required for EC series												
EC series burners include gasket under ignitor and grommet in access cover.												
XL-30	119	EZGas Pro	9S	10"	99553	1 3/4	#1 (.228)	#12 (.189)	20%	2 slot	blank	3.5
	140						1/4 (.250)	#6 (.204)	30%	2 slot	blank	3.5
	160						I (.272)	#1 (.228)	40%	2 slot	blank	3.5
XL-40	175	EZGas Pro	9S	10"	99553	1 3/4	M (.295)	D (.246)	45%	2 slot	blank	3.5
	189						19/64 (.296)	1/4 (.250)	50%	2 slot	blank	3.5
	217						11/32 (.343)	9/32 (.281)	70%	2 slot	blank	3.5

Smith Cast-Iron Boilers

Series 8-3	105	EZGas Pro	B	10"S	9921201	2 1/4	7/32 (.219)	# 17(.173)	15%	1 slot	blank	3.5
	133						1/4 (.250)	3/16 (.188)	35%	1 slot	blank	3.5
Series 8-4	154	EZGas Pro	B	10"S	9921201	2 1/4	9/32 (.281)	7/32 (.219)	48%	1 slot	blank	3.5
	175						19/64 (.297)	1/4 (.250)	70%	1 slot	blank	3.5
Series 8-5	196	EZGas Pro	A	10"S	9921201	2 1/4	Q (.332)	I (.272)	55%	2 slot	blank	3.5
	238						Y (.404)	5/16 (.312)	90%	2 slot	blank	3.5
Series 8-6	245	EZGas Pro	A	10"S	9921201	2 1/4	13/32 (.406)	5/16 (.312)	91%	2 slot	blank	3.5
	270						27/64 (.422)	11/32 (.344)	100%	2 slot	blank	3.5
For Series 8 burners with covers use OEM air tube part number 50295 for 3 and 4 section and part number 50296 for 5 and 6 section.												
19A-03	375	201GAS	A	12"	99543	4 3/4	9/16 (.563)	7/16 (.438)	60%	4 slot	none	3.5
19A-04	520	301GAS	S	14" B	99728	4 3/4	17/32 (.531)	13/32 (.406)	45%	4 slot	center	3.5
19A-05	725	301GAS	B	14" B	99528	4 3/4	5/8 (.625)	1/2 (.500)	60NG/70LP	4 slot	none	3.5
19A-06	931	301GAS	C	14" C	99529	4 3/4	25/32 (.781)	9/16 (.562)	100%	4 slot	none	3.5
19A-06	931	601GAS	11	14" B	99528	4 3/4	25/32 (.781)	9/16 (.562)	8	--	--	3.5NG/3.9LP
19A-07	1137	601GAS	12	14" D	99530	4 3/4	1 1/4 (1.25)		Open	--	--	3.6
	1137		11	14" C	99529	4 3/4		5/8 (.625)	Open	--	--	3.5
19A-08	1342	601GAS	32	14" D	99530	4 3/4	1 1/8 (1.125)		9.5	--	--	3.5
	1342		31	14" C	99529	4 3/4		11/16 (.688)	9.5	--	--	3.4
For 19A series with 301GAS & 601GAS use front plate # 3565 (order from Smith)												

Solaia Boilers

SL375	85	EZGas Pro	9S	12" / 10"	50363B	1 3/4	#12 (.189)	#23 (.154)	10%	1 slot	blank	3.5
	105						#1 (.228)	#15 (.180)	20%	1 slot	blank	3.5
SL4100	116	EZGas Pro	9S	12"/ 10"S	50361B	1 3/4	15/64 (.234)	#13 (.185)	18%	2 slot	blank	3.5
	140						G (.261)	#6 (.204)	25%	2 slot	blank	3.5
SL5125	145	EZGas Pro	9S	12"/ 10"S	50361B	1 3/4	17/64 (.266)	#4 (.209)	27%	2 slot	blank	3.5
	175						5/16 (.312)	C (.242)	40%	2 slot	blank	3.5
Solaia Series burners are built with covers and gasket under ignitor and grommet in access cover.												
CSL6230	322	201GAS	D	10"	51057	4 1/2	5/8 (.625)	15/32 (.469)	85%	4 slot	none	3.5
CSL7290	406	301GAS	S	14"B	51062	4 1/2	7/16 (.438)	23/64 (.359)	35%	4 slot	full	3.5NG/3.3LP
CSL8350	490	301GAS	S	14"B	51062	4 1/2	1/2 (.500)	13/32 (.406)	50%	4 slot	full	3.0NG/3.4LP
CSL9410	574	301GAS	B	14"B	51062	4 1/2	35/64 (.546)	7/16 (.438)	45%	4 slot	center	3.0NG/3.2LP
CSL10470	658	301GAS	B	14"B	51062	4 1/2	19/32 (.593)	15/32 (.469)	65%	4 slot	center	3.5NG/3.3LP
CSL11530	742	301GAS	B	14"B	51062	4 1/2	5/8 (.625)	31/64 (.484)	90%	4 slot	center	3.4NG/3.5LP
CSL12590	826	301GAS	B	14"C	51063	4 1/2	11/16 (.687)	17/32 (.531)	60%	4 slot	none	3.5

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

Solaia Forte Boilers

SF3100	140	EZGas Pro	9S	12"S	51701	3 1/2	9/32 (.281)	#2 (0.221)	30%	2 slot	blank	3.5
SF4125	175	EZGas Pro	9S	12"S	51701	3 1/2	5/16 (.312)	17/64 (.266)	40%	2 slot	blank	3.5
SF5150	210	EZGas Pro	A-1	12"S	51701	3 1/2	S (.348)	9/32 (.281)	55%	2 slot	blank	3.5
SF6175	245	EZGas Pro	A-1	12"S	51701	3 1/2	Z (.413)	S (.348)	75NG/85LP	2 slot	blank	3.5

Solaia Forte Series burners are built with gasket under ignitor and grommet in access cover.

Southern Breeze

SB250		201GAS	B	12"	99770	7 3/4	13/32 (.406)	O (.316)	40%	2 slot	none	3.5
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Spirit Furnace (Thermo Products)

VLR/F-DCP	84	EZGas Pro	9S	12	Universal	5 7/8	#12 (0.189)	5/32 (0.156)	25%	1 slot	none	3.5
	105						#2 (0.221)	#14 (0.182)	40%	1 slot	none	3.5
	119						C (0.242)	#6 (0.204)	50%	1 slot	none	3.5
	140						17/64 (0.266)	#4 (0.209)	70%	1 slot	none	3.5

Cabinet Depth - 9". Cannot put door back on with burner installed

Therma-Flow/ Everhot

E/S30GL	105	EZGas Pro	9S	12	51395	6 5/16	7/32 (.218)	11/64 (.172)	35%	1 slot	blank	3.5
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Thermo-Dynamics Boiler

CWL-GS-100	100	EZGas Pro	9S	10"S	99393	3 1/2	#1 (.228)	5/32 (.156)	35%	1 slot	blank	3.5
CWL-GS-120	120	EZGas Pro	9S	10"S	99393	3 1/2	C (.242)	11/64 (.172)	43%	1 slot	blank	3.5
CWL-GS-140	140	EZGas Pro	9S	10"S	99393	3 1/2	1/4 (.250)	13/64 (.203)	52%	1 slot	blank	3.5
CWL-GS-100-DV	100	EZGas Pro	9S	10"S	99393	3 1/2	#1 (.228)	5/32 (.156)	35%	1 slot	blank	3.5
CWL-GS-120-DV	120	EZGas Pro	9S	10"S	99393	3 1/2	C (.242)	11/64 (.172)	43%	1 slot	blank	3.5
CWL-GS-140-DV	140	EZGas Pro	9S	10"S	99393	3 1/2	1/4 (.250)	13/64 (.203)	52%	1 slot	blank	3.5
HT-120-GS	120	EZGas Pro	9S	10"S	50727	3 3/4	C (.242)	11/64 (.172)	30%	1 slot	blank	3.5
HT-140-GS	140	EZGas Pro	9S	10"S	50727	3 3/4	1/4 (.250)	13/64 (.203)	42%	1 slot	blank	3.5
HT-160-GS	160	EZGas Pro	9S	10"S	50727	3 3/4	L (.290)	7/32 (.218)	57NG/78LP	1 slot	blank	3.5
HT-II-165	225	EZGas Pro	A	10"	Universal	3 3/4	11/32 (.344)	9/32 (.281)	50%	2 slot	blank	3.5
HT-II-175	250	EZGas Pro	A	10"	Universal	3 3/4	13/32 (.406)	5/16 (.312)	60%	2 slot	blank	3.5
HT-II-200	275	EZGas Pro	A	10"	Universal	3 3/4	7/16 (.438)	11/32 (.344)	85%	2 slot	blank	3.5
HT-II-225	300	201GAS	A	8"	Universal	3 3/4	27/64 (.422)	5/16 (.312)	30%	4 slot	none	3.5
HT-II-250	350	201GAS	A	8"	Universal	3 3/4	15/32 (.469)	11/32 (.344)	35%	4 slot	none	3.5
HT-II-275	399	201GAS	A	8"	Universal	3 3/4	9/16 (.563)	13/32 (.406)	70%	4 slot	none	3.5
TDX-120	120	EZGas Pro	B	10"	99553	1 3/4	C (.242)	#9 (.196)	40NG/49LP	1 slot	blank	3.5
TDX-140	140	EZGas Pro	B	10"	99553	1 3/4	1/4 (.250)	7/32 (.218)	45NG/60LP	1 slot	blank	3.5
TDX-160	160	EZGas Pro	B	10"	99553	1 3/4	L (.290)	15/64 (.234)	82NG/85LP	1 slot	blank	3.5
TDX-120-DV	120	EZGas Pro	B	12"/ 10"	50171	1 3/4	C (.242)	#9 (.196)	40NG/49LP	1 slot	blank	3.5
TDX-140-DV	140	EZGas Pro	B	12"/ 10"	50171	1 3/4	1/4 (.250)	7/32 (.218)	45NG/60LP	1 slot	blank	3.5
TDX-160-DV	160	EZGas Pro	B	12"/ 10"	50171	1 3/4	L (.290)	15/64 (.234)	82NG/85LP	1 slot	blank	3.5

Thermo Pride

OH6	70	EZGas CF	EZ-2	5"	50906	4 5/8	11/64 (.172)	9/64 (.141)	20%	2 slot	blank	3.5NG/3.3LP
	85						13/64 (.283)	#25 (.150)	30%	2 slot	blank	3.5
	106						15/64 (.234)	#15 (.180)	40NG/45LP	2 slot	blank	3.5

OH6 furnace: 70MBH and 85MBH use head bar #1, 106MBH use head bar #2

OH6	70	EZGas Pro ¹	C	10"	50753	4 3/4	#13 (.185)	9/64 (.141)	15%	1 slot	blank	3.5
	85						13/64 (.283)	#19 (.166)	22%	1 slot	blank	3.5
	106						15/64 (.234)	#11 (.191)	44%	1 slot	blank	3.5

¹ Burner will not fit in cabinet with door on.

Thermo-Stack

		EZ-Gas	9-Slot	12"	51737	6 1/2"	0.093"		20%	1 slot	none	3.5
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Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

Triad

900SH	600	301GAS	C	14" C	99913	5 3/8	35/64 (.547)	7/16 (.438)	15%	4 slot	center	3.6
	700						5/8 (.625)	15/32 (.469)	35NG/40LP	4 slot	center	3.4NG/3.5LP
	800						11/16 (.688)	33/64 (.516)	50NG/65LP	4 slot	center	3.5NG/3.3LP
	900						25/32 (.781)	9/16 (.562)	50NG/60LP	4 slot	none	3.5
	1000						1 (none)	19/32 (.594)	100%	4 slot	none	3.7NG/3.5LP

Triangle Tube Phase III

Alpha-80	80	EZGas Pro	9S	10"	Universal	2 5/8	3/16 (.187)	9/64 (.141)	10%	1 slot	blank	3.5
Alpha-100	100	EZGas Pro	9S	10"	Universal	2 5/8	7/32 (.219)	11/64 (.172)	25%	1 slot	blank	3.5
Alpha-120	120	EZGas Pro	9S	10"	Universal	2 5/8	1/4 (.250)	13/64 (.283)	35%	1 slot	blank	3.5
Alpha-80-DV	80	EZGas Pro	9S	10"	Universal	2 5/8	3/16 (.187)	9/64 (.141)	5%	Air Boot	--	3.5
Alpha-100-DV	100	EZGas Pro	9S	10"	Universal	2 5/8	7/32 (.219)	11/64 (.172)	10%	Air Boot	--	3.5
Alpha-120-DV	120	EZGas Pro	9S	10"	Universal	2 5/8	1/4 (.250)	13/64 (.283)	15%	Air Boot	--	3.5

Utica Boilers

SFH 3085	119	EZGas Pro	9S	10"	Universal	2 1/2	15/64 (.234)	3/16 (.187)	30%	1 slot	blank	3.5
SFH 3100	140	EZGas Pro	9S	10"	Universal	2 1/2	17/64 (.265)	7/32 (.219)	45%	1 slot	blank	3.5
SFH 4100	140	EZGas Pro	9S	10"	Universal	2 1/2	17/64 (.265)	7/32 (.219)	25%	2 slot	blank	3.5
SFH 4125	175	EZGas Pro	9S	10"	Universal	2 1/2	21/64 (.328)	17/64 (.265)	45%	2 slot	blank	3.5
SFH 4145	203	EZGas Pro	9S	10"	Universal	2 1/2	11/32 (.343)	9/32 (.281)	65%	2 slot	blank	3.5
SFH 5160	224	EZGas Pro	A	10"	Universal	2 1/2	21/64 (.328)	9/32 (.281)	60%	2 slot	blank	3.5
SFH 5185 ¹	259	EZGas Pro	A	10"	Universal	2 1/2	V (.377)	21/64 (.328)	75%	2 slot	blank ¹	3.5
SFH 6175	245	EZGas Pro	A	10"	Universal	2 1/2	25/64 (.391)	19/64 (.297)	75%	2 slot	blank	3.4NG/3.5LP
SFH 6210	295	201GAS	A	10"	Universal	2 1/2	25/64 (.391)	21/64 (.328)	40%	2 slot	full	3.4NG/3.0LP
SFE 3085S	119	EZGas Pro	9S	10"	Universal	2 1/2	15/64 (.234)	3/16 (.187)	30%	1 slot	blank	3.5
SFE 4125S	175	EZGas Pro	9S	10"	Universal	2 1/2	21/64 (.328)	17/64 (.265)	45%	2 slot	blank	3.5
SFE 5185S	259	EZGas Pro	A	10"	Universal	2 1/2	V (.377)	21/64 (.328)	75%	2 slot	blank	3.5
SFE 6210S	295	201GAS	A	10"	Universal	2 1/2	25/64 (.391)	19/64 (.328)	60%	2 slot	full	3.5

¹ Air flow switch cover spacer required - P/N: 50925

Viessmann

VR1-22, VR1-91	91	EZGas Pro	C	12-S	51349	4	#1 (.228)	11/64 (.172)	30%	1 slot	blank	3.5
VR1-27, VR1-105	105	EZGas Pro	9 slot	12	51354	5	7/32 (.219)	11/64 (.172)	20%	1 slot	blank	3.5
VR1-33, VR1-140	140	EZGas Pro	9 slot	12	51354	5	17/64 (.265)	#4 (.209)	30%	2 slot	blank	3.5
VR1-40, VR1-161	161	EZGas Pro	9 slot	12	51354	5	19/64 (.297)	15/64 (.234)	35%	2 slot	blank	3.5
VR1-50, VR1-196	196	EZGas Pro	9 slot	12	51354	5	5/16 (.312)	I (.272)	55%	2 slot	blank	3.5
VR1-63, VR1-245	245	EZGas Pro	A-1	12-S	51349	4	3/8 (.375)	19/64 (.297)	60%	2 slot	blank	3.5
Direct Vent												
VR1-22-DV	91	EZGas Pro	C	12-S	51349	4	#1 (.228)	11/64 (.172)	45%	1 slot	blank	3.5
VR1-27-DV	105	EZGas Pro	9 slot	12	51354	5	7/32 (.219)	11/64 (.172)	27%	1 slot	blank	3.5
VR1-33-DV	140	EZGas Pro	9 slot	12	51354	5	17/64 (.265)	#4 (.209)	25%	2 slot	blank	3.5

Must have gasket under ignitor and grommet in access cover: kit # GSKTKIT1

Weil-McLain

GO-2	98	EZGas Pro	B	10"	9895301	3 1/8	7/32 (.219)	11/64 (.172)	35%	1 slot	blank	3.5
GO-3R	112	EZGas Pro	B	10"	9895301	3 1/8	#1 (.228)	#15 (.180)	30%	1 slot	blank	3.5
GO-3	133	EZGas Pro	B	10"	9895301	3 1/8	1/4 (.250)	7/32 (.219)	40%	1 slot	blank	3.5
GO-4R	140	EZGas Pro	9S	10"	9895301	3 1/8	1/4 (.250)	#5 (.206)	25%	2 slot	blank	3.5
GO-4	168	EZGas Pro	9S	10"	9895301	3 1/8	9/32 (.281)	#2 (.221)	35%	2 slot	blank	3.5
GO-5R	168	EZGas Pro	A	10"	9895301	3 1/8	L (.290)	15/64 (.234)	35%	2 slot	blank	3.5
GO-5	203	EZGas Pro	A	10"	9895301	3 1/8	5/16 (.312)	I (.272)	35%	2 slot	blank	3.5
GO-6R	196	EZGas Pro	A	10"	9895301	3 1/8	5/16 (.312)	1/4 (.250)	40%	2 slot	blank	3.5
GO-6	245	EZGas Pro	A	10"	9895301	3 1/8	X (.397)	P (.323)	70%	2 slot	blank	3.5
GO-7	280	201GAS	B	10"	99331	3 1/8	Y (.404)	21/64 (.328)	38%	2 slot	none	3.5
GO-8	322	201GAS	A	10"	98840	3 1/8	27/64 (.422)	11/32 (.344)	25%	4 slot	none	3.5
UO-3	112	EZGas Pro	B	10"S	50330	2	7/32 (.219)	#14 (.182)	30%	1 slot	blank	3.5
	140						F (.257)	7/32 (.219)	50%	1 slot	blank	3.5
UO-4	168	EZGas Pro	B	10"S	50330	2	L (.290)	D (.246)	65%	1 slot	blank	3.5
UO-5	196	EZGas Pro	A	10"S	50330	2	P (.323)	I (.272)	40%	2 slot	blank	3.5

Ultra Series burners are built with covers and gasket under ignitor and grommet in access cover.

Gas Burner Setup Tables

Appliance Model	Input MBH	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

Weil-McLain cont'd

378/ 380	346	201GAS	A	10"	99318	3	15/32 (.469)	3/8 (.375)	45NG/50LP	4 slot	none	3.5
478/ 480	491	301GAS	B	14" B	99311	4	1/2 (.500)	3/8 (.375)	45NG/52LP	4 slot	full	3.2NG/ 3.8LP
578/ 580	639	301GAS	B	14" B	99311	4	9/16 (.562)	7/16 (.438)	75%	4 slot	center	3.5
678/ 680	787	301GAS	C	14" C	99310	4	5/8 (.625)	1/2 (.500)	52NG/60LP	4 slot	center	3.5
778/ 780	935	301GAS	C	14" C	99310	4	11/16 (.687)	17/32 (.531)	60NG/100LP	4 slot	none	3.5NG/ 3.2LP
778/ 780	935	601GAS	21	14" C	99310	4	3/4 (.750)	17/32 (.531)	3	--	--	3.6NG/3.5LP
878/ 880	1082	601GAS	21	14" C	99310	4	1 (1.00)	19/32 (.594)	3.5	--	--	3.6NG/3.5LP
978/ 980	1230	601GAS	32	14" D	99538	4	15/16 (.938)		5.5	--	--	3.5
	1230		31	14" C	99310	4		21/32 (.656)	5.5	--	--	3.5
1078/ 1080	1378	601GAS	32	14" D	99538	4	1 1/8 (1.125)	3/4 (.750)	7	--	--	3.5
For 80 series with 301GAS & 601GAS use front plate # 385-700-235 (order from Weil-McLain)												
488/ 488R	1010/ 996	601GAS	32	14" D	99538	4	13/16 (0.813)	5/8 (0.625)	3	--	--	3.5
588	1378	601GAS	32	14" D	99538	4	1 1/8 (1.125)	3/4 (.750)	8	--	--	3.5
For 88 series with 601GAS use front plate # 386-300-220 (order from Weil-McLain)												

Williamson-Thermoflo

W/HBO-10A	105	EZGas Pro	B	12"	Universal	5 1/2	#2 (.221)	#16 (.177)	15%	1 slot	blank	3.5
	120						C (.242)	#10 (.194)	25%	1 slot	blank	3.5
CLB/ CHB-105	91	EZGas Pro ¹	9S	12"	Universal	5 1/2	#5 (.205)	#20 (.161)	18%	1 slot	blank	3.5
	105						7/32 (.219)	#19 (.166)	20%	1 slot	blank	3.5
	119						#1 (.228)	#14 (.183)	30%	1 slot	blank	3.5
¹ Burner will not fit in cabinet with door on.												
PMP/PLB-098	70	EZGas Pro	9S	10"	Universal	1 3/4	11/64 (.172)	#30 (.129)	11%	1 slot	blank	3.6
	84						3/16 (.187)	5/32 (.156)	20%	1 slot	blank	3.8NG/3.7LP
	98						7/32 (.219)	#20 (.161)	28%	1 slot	blank	3.2NG/ 3.6LP
PMP/PLB-112	95	EZGas Pro	9S	10"	Universal	1 3/4	#5 (.206)	#20 (.161)	29%	1 slot	blank	3.6
	112						#2 (.221)	#15 (.180)	36%	1 slot	blank	3.6
OWB/OWT-3	98	EZGas Pro	B	10"	9895301	3 1/8	7/32 (.219)	11/64 (.172)	35%	1 slot	blank	3.5
	133						1/4 (.250)	7/32 (.219)	40%	1 slot	blank	3.5
OWB/OWT-4	140	EZGas Pro	9S	10"	9895301	3 1/8	1/4 (.250)	#5 (.206)	25%	2 slot	blank	3.5
	168						9/32 (.281)	#2 (.221)	35%	2 slot	blank	3.5
OWB/OWT-5	168	EZGas Pro	A	10"	9895301	3 1/8	L (.290)	15/64 (.234)	35%	2 slot	blank	3.5
	203						5/16 (.312)	I (.272)	35%	2 slot	blank	3.5
OWB/OWT-6	196	EZGas Pro	A	10"	9895301	3 1/8	5/16 (.312)	1/4 (.250)	40%	2 slot	blank	3.5
	245						X (.397)	P (.323)	70%	2 slot	blank	3.5
OSB-3	133	EZGas Pro	B	10"	9895301	3 1/8	1/4 (.250)	7/32 (.219)	40%	1 slot	blank	3.5
OSB-4	144	EZGas Pro	9S	10"	9895301	3 1/8	1/4 (.250)	#5 (.206)	25%	2 slot	blank	3.5
OSB-5	174	EZGas Pro	A	10"	9895301	3 1/8	L (.290)	15/64 (.234)	35%	2 slot	blank	3.5
OSB-6	210	EZGas Pro	A	10"	9895301	3 1/8	5/16 (.312)	1/4 (.250)	40%	2 slot	blank	3.5

York Shipley

CT-6	252	EZGas Pro	9S	12"	99630	4 3/4	3/8 (.375)	19/64 (.297)	80%	2 slot	blank	3.5
CT-10	420	301GAS	B	14" B	99328	4 3/4	29/64 (.453)	S (.348)	15%	4 slot	full	3.5
CT-15	630	301GAS	B	14" B	99328	4 3/4	37/64 (.578)	29/64 (.453)	65%	4 slot	full	3.5
CT-20	840	301GAS	C	14" C	99327	4 3/4	3/4 (.750)	35/64 (.546)	35NG/50LP	4 slot	none	3.5
CT-25	1050	601GAS	11	14" C	99327	4 3/4	1 (1.00)	19/32 (.593)	1.5NG/ 2LP	--	--	3.8NG/3.5LP

ENGINEERING INFORMATION

Drill Bit Chart

<i>Fraction or Drill Size</i>	<i>Decimal Equivalent</i>	<i>Fraction or Drill Size</i>	<i>Decimal Equivalent</i>	<i>Fraction or Drill Size</i>	<i>Decimal Equivalent</i>	<i>Fraction or Drill Size</i>	<i>Decimal Equivalent</i>
1/64"	0.0156	30	0.1287	B	0.2380	29/64"	0.4531
1/32"	0.0312	29	0.1360	C	0.2420	15/32"	0.4687
60	0.0400	28	0.1415	D	0.2460	31/64"	0.4843
59	0.0410	9/64"	0.1406	E	0.2500	1/2"	0.5000
58	0.0420	27	0.1440	1/4"	0.2500	33/64"	0.5156
57	0.0430	26	0.1470	F	0.2570	17/32"	0.5312
56	0.0465	25	0.1495	G	0.2610	35/64"	0.5469
3/64"	0.0468	24	0.1520	17/64"	0.2656	9/16"	0.5625
55	0.0520	23	0.1540	H	0.2660	37/64"	0.5781
54	0.0550	5/32"	0.1562	I	0.2720	19/32"	0.5937
53	0.0559	22	0.1570	J	0.2770	39/64"	0.6094
1/16"	0.0625	21	0.1590	K	0.2810	5/8"	0.6250
52	0.0635	20	0.1610	9/32"	0.2812	41/64"	0.6406
51	0.0670	19	0.1660	L	0.2900	21/32"	0.6562
50	0.0700	18	0.1695	M	0.2950	43/64"	0.6719
49	0.0730	11/64"	0.1718	19/64"	0.2968	11/16"	0.6875
48	0.0760	17	0.1730	N	0.3020	45/64"	0.7031
5/64"	0.0781	16	0.1770	5/16"	0.3125	23/32"	0.7187
47	0.0785	15	0.1800	O	0.3160	47/64"	0.7344
46	0.0810	14	0.1820	P	0.3230	3/4"	0.7500
45	0.0820	13	0.1850	21/64"	0.3281	49/64"	0.7656
44	0.0860	3/16"	0.1875	Q	0.3320	25/32"	0.7812
43	0.0890	12	0.1890	R	0.3390	51/64"	0.7969
42	0.0935	11	0.1910	11/32"	0.3437	13/16"	0.8125
3/32"	0.0937	10	0.1935	S	0.3480	53/64"	0.8281
41	0.0960	9	0.1960	T	0.3580	27/32"	0.8437
40	0.0980	8	0.1990	23/64"	0.3593	55/64"	0.8594
39	0.0995	7	0.2010	U	0.3680	7/8"	0.8750
38	0.1015	13/64"	0.2031	3/8"	0.3750	57/64"	0.8594
37	0.1040	6	0.2040	V	0.3770	29/32"	0.9062
36	0.1065	5	0.2055	W	0.3860	59/64"	0.9219
7/64"	0.1093	4	0.2090	25/64"	0.3906	15/16"	0.9375
35	0.1100	3	0.2130	X	0.3970	61/64"	0.9531
34	0.1110	7/32"	0.2187	Y	0.4040	31/32"	0.9687
33	0.1130	2	0.2210	13/32"	0.4062	63/64"	0.9844
32	0.1160	1	0.2280	Z	0.4130	1"	1.0000
31	0.1200	A	0.2340	27/64	0.4218		
1/8"	0.1250	15/64"	0.2343	7/16"	0.4375		

ENGINEERING INFORMATION

EZ-TEMP™ SENSOR RESISTANCE VS TEMPERATURE (ACCURACY +/- 1°F)

Ohms	°F	Ohms	°F	Ohms	°F	Ohms	°F	Ohms	°F	Ohms	°F
963,730	-67.0	102,900	-5.8	17,254	55.4	4,042	116.6	1,215	177.8	445.2	239.0
895,230	-65.2	97,072	-4.0	16,462	57.2	3,889	118.4	1,177	179.6	433.4	240.8
832,040	-63.4	91,613	-2.2	15,711	59.0	3,742	120.2	1,140	181.4	421.9	242.6
773,710	-61.6	86,494	-0.4	14,998	60.8	3,602	122.0	1,104	183.2	410.8	244.4
719,860	-59.8	81,689	1.4	14,322	62.6	3,468	123.8	1,070	185.0	399.9	246.2
670,090	-58.0	77,183	3.2	13,680	64.4	3,340	125.6	1,037	186.8	389.6	248.0
624,090	-56.2	72,951	5.0	13,071	66.2	3,217	127.4	1,005	188.6	379.4	249.8
581,540	-54.4	68,977	6.8	12,492	68.0	3,099	129.2	973.8	190.4	369.6	251.6
542,170	-52.6	65,242	8.6	11,942	69.8	2,986	131.0	944.1	192.2	360.1	253.4
505,710	-50.8	61,732	10.4	11,419	71.6	2,878	132.8	915.4	194.0	350.9	255.2
471,940	-49.0	58,431	12.2	10,922	73.4	2,774	134.6	887.8	195.8	341.9	257.0
440,630	-47.2	55,326	14.0	10,450	75.2	2,675	136.4	861.1	197.6	333.2	258.8
411,600	-45.4	52,404	15.8	10,000	77.0	2,579	138.2	835.4	199.4	324.8	260.6
384,670	-43.6	49,654	17.6	9,572	78.8	2,488	140.0	810.6	201.2	316.7	262.4
359,670	-41.8	47,064	19.4	9,165	80.6	2,400	141.8	786.6	203.0	308.7	264.2
336,450	-40.0	44,625	21.2	8,777	82.4	2,316	143.6	763.5	204.8	301.0	266.0
314,880	-38.2	42,326	23.0	8,408	84.2	2,235	145.4	741.2	206.6	293.6	267.8
294,820	-36.4	40,158	24.8	8,057	86.0	2,157	147.2	719.6	208.4	286.3	269.6
276,170	-34.6	38,115	26.6	7,722	87.8	2,083	149.0	698.7	210.2	279.3	271.4
258,820	-32.8	36,187	28.4	7,403	89.6	2,011	150.8	678.6	212.0	272.4	273.2
242,660	-31.0	34,368	30.2	7,089	91.4	1,941	152.6	659.1	213.8	265.8	275.0
227,610	-29.2	32,650	32.0	6,808	93.2	1,876	154.4	640.3	215.6	259.4	276.8
213,590	-27.4	31,029	33.8	6,531	95.0	1,813	156.2	622.1	217.4	253.1	278.6
200,520	-25.6	29,498	35.6	6,268	96.8	1,752	158.0	604.6	219.2	247.1	280.4
188,330	-23.8	28,051	37.4	6,016	98.6	1,693	159.8	587.6	221.0	241.1	282.2
176,960	-22.0	26,684	39.2	5,775	100.4	1,636	161.6	571.2	222.8	235.4	284.0
166,340	-20.2	25,391	41.0	5,546	102.2	1,582	163.4	555.3	224.6	229.8	285.8
156,430	-18.4	24,169	42.8	5,326	104.0	1,530	165.2	539.9	226.4	224.4	287.6
147,160	-16.6	23,012	44.6	5,117	105.8	1,479	167.0	525.0	228.2	219.1	289.4
138,500	-14.8	21,917	46.4	4,917	107.6	1,431	168.8	510.6	230.0	214.0	291.2
130,410	-13.0	20,880	48.2	4,726	109.4	1,385	170.6	496.7	231.8	209.0	293.0
122,840	-11.2	19,899	50.0	4,543	111.2	1,340	172.4	483.2	233.6	204.2	294.8
115,750	-9.4	18,970	51.8	4,368	113.0	1,297	174.2	470.2	235.4	199.4	296.6
109,110	-7.6	18,089	53.6	4,201	114.8	1,255	176.0	457.5	237.2	194.9	298.4

ENGINEERING INFORMATION

Conversion Table

<i>Multiply...</i>	<i>By...</i>	<i>To Obtain...</i>
Atmosphere (atm)	14.7	Lb. Per Sq. in. (psi)
Atmosphere (atm)	29.92	Inches Mercury (in. hg.)
Bar	14.5	Lb. Per Sq. in. (psi)
Boiler Horsepower	34.5	Pounds steam/ hr @ 212°F
Boiler Horsepower	33,475	Btu per hour
Cubic feet (cu. ft.)	7.481	Gallons (gal)
Degrees-Centigrade (°C)	$(^{\circ}\text{C} \times 1.8) + 32$	Degrees-Fahrenheit (°F)
Degrees-Fahrenheit (°F)	$(^{\circ}\text{F} - 32) \times 5 \div 9$	Degrees-Centigrade (°C)
Foot (ft)	0.3048	Meters (m)
Gallon, #2 fuel oil	6.9	Pounds (lb.) approx.
Gallon, water	8.337	Pounds (lb.)
Horsepower	0.3	GPH
Horsepower	42	MBH
Horsepower - US & British	33,000	foot pounds per minute
Horsepower - US & British	42.42	Btu per minute
Inches mercury (in. hg.)	0.0334	Atmospheres (atm)
Inches mercury (in. hg.)	13.6	Inches water (in. w.c.)
Inches mercury (in. hg.)	0.4912	Lb. Per Sq. in. (psi)
Inches water (in. w.c.)	0.0735	Inches mercury (in. hg.)
Inches water (in. w.c.)	0.0361	Lb. Per Sq. in. (psi)
Kilocalorie (kcal)	3.968	Btu
Kilogram per hour (kgh)	0.3125	GPH
Kilowatt (kw)	0.0244	GPH
Kilowatt (kw)	1.341	Horsepower – US & British
Kilowatt hours (kwh)	3,413	Btu
Liter (l)	0.0353	Cubic foot (cu. ft.)
Liter (l)	0.2641	Gallon (gal)
Liter (l)	1.057	Quart - liquid
Meter (m)	3.281	Feet (ft)
Meter (m)	39.37	Inches (in)
Meter (m)	1.094	Yards (yd)
Pound-steam @ 212°F	970.3	Btu (heat of evaporation)
Pound per square inch (psi)	27.7	Inches water (in. w.c.)
Pound per square inch (psi)	2.036	Inches mercury (in. hg.)
Pound per square inch (psi)	0.068	Atmosphere (atm)
Square ft steam	240	Btu
Square ft water	150	Btu
Therm	100,000	Btu
Watt Hour (whr)	3.413	Btu

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