

2023



# ***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**

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.

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Axeman-Anderson

PVT-105B	EZ-1HP	5" EZ-1	98453	1 3/4	0.60	70B	Delavan		150	blank	0.60/0.65	0.60
PVT-119B	EZ-1HP	5" EZ-1	98453	1 3/4	0.75	60B	Delavan		150	blank	0.85/1.00	0.75
PVT-140H	EZ-1HP	5" EZ-1	98453	1 3/4	0.85	60B	Delavan		150	blank	0.85/1.00	0.85
PVT-175H	EZ-1HP	5" EZ-1	98453	1 3/4	1.00	60B	Delavan		150	blank	0.85/1.00	1.00
PVT-210H	EZ-1HP	5" EZ-1	98453	1 3/4	1.25	70B	Delavan		150	blank	1.10/1.25	1.25

### Biasi/ QHT

Burners must be purchased from Biasi												
B10/4	EZ-1HP	7" EZ-1 <sup>1</sup>	50284	3	0.65	70A	Delavan		150	blank	0.60/0.65	0.65
B10/5	EZ-1HP	7" EZ-1 <sup>1</sup>	50284	3	0.85	60A	Delavan		150	blank	0.85/1.00	0.85
B10/6	EZ-1HP	7" EZ-1 <sup>1</sup>	50284	3	1.00	60B	Delavan		150	blank	0.85/1.00	1.00
B10/7	EZ-66	7" WS	51196	3	1.20	60B	Delavan	60W Delavan	180	blank	4-6 @ 5	65%
B10/8	EZ-66	7" WS	51196	3	1.35	60B	Delavan	60W Delavan	180	blank	6-8 @ 7.5	75%
B10/9	EZ-66	7" WS	51196	3	1.50	60B	Delavan	60B Hago	180	open	8-10 @ 8.5	45%
B10/4-DV	EZ-1HP	7" EZ-1 <sup>1</sup>	50284	3	0.65	70A	Delavan		150	cover	0.60/0.65	0.75
B10/5-DV	EZ-1HP	7" EZ-1 <sup>1</sup>	50284	3	0.85	60A	Delavan		150	cover	0.85/1.00	1.00
B10/6-DV	EZ-1HP	7" EZ-1 <sup>1</sup>	50284	3	1.00	60A	Delavan		150	cover	0.85/1.00	1.20
SG-3	EZ-1HP	7" EZ-1	51018	3 1/2	0.65	60B	Delavan	60AS Danfoss	175	blank	0.60/0.65	0.90
SG-4	EZ-1HP	7" EZ-1	51018	3 1/2	1.00	60B	Delavan	60B Hago	135	blank	0.85/1.00	1.20
SG-5	EZ-1HP	7" EZ-1	51018	3 1/2	1.25	60B	Delavan	60B Hago	140	blank	1.10/1.25	1.65
SG-6	EZ-66	7" WS	51021	3 1/2	1.25	60B	Delavan	60B Hago	200	blank	5	90%
SG-7	EZ-66	7" WS	51021	3 1/2	1.50	60B	Delavan	60B Hago	200	open	7	40%
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	11" EZ-1	51697	4 3/4	1.25	60B	Delavan	60S Steinen	150	blank	4	50%
SRU-50H	EZ-1 Select	11" EZ-1	51697	4 3/4	1.35	60B	Delavan		170	blank	4	60%
SRU-60	EZ-1 Select	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%

SRU50 and SRU60 burners use 2-step pump with 2 second time delay

<sup>1</sup> For 5" air tube use part number 97847.

B10/7, 8, 9 and SG-6 & 7 use 2-step pump with 2 second time delay

### Bock Water Heater

20E	EZ-LF	7" 12D	99781	5 3/8	0.40	60A	Delavan		115	blank	0.35/0.50	20%
30ES	EZ-1	7" EZ-1	9588502	5 3/8	0.60	70B	Delavan		100	blank	0.60/0.65	0.60
32E, 32EC, 33E	EZ-1	7" EZ-1	9588502	5 3/8	0.75	70A	Delavan		100	blank	0.75	0.75
32PP, 32PPC	EZ-1	7" EZ-1	9588502	5 3/8	0.75	70A	Delavan		100	blank	0.75	0.75
40E	EZ-1	7" EZ-1	9588502	5 3/8	0.85	60A	Delavan		100	blank	0.85/1.00	0.85
50ES	EZ-1	7" EZ-1	9588502	5 3/8	1.00	70A	Delavan		100	blank	0.85/1.00	1.00
51E, 51EC	EZ-1	7" EZ-1	9588502	5 3/8	1.10	70A	Delavan		100	blank	1.10/1.25	1.10
51PP, 51PPC	EZ-1	7" EZ-1	9588502	5 3/8	1.10	70A	Delavan		100	blank	1.10/1.25	1.10
71E, 71EC	EZ-1	7" EZ-1	9588502	5 3/8	1.25	60A	Delavan		100	blank	1.10/1.25	1.25
120E	EZ-1	7" EZ-1	98480	5 3/8	1.10	70A	Delavan		100	blank	1.10/1.25	1.10
190E	EZ-1	7" EZ-1	98480	5 3/8	1.35	70B	Delavan		100	blank	1.35/1.50	1.35
20BCS/E	EZ-LF	7" 12D	99781	5 3/8	0.40	60A	Delavan		115	Air Boot	0.35/0.50	4%
32BCS/E	EZ-1	7" EZ-1	9588502	5 3/8	0.75	70A	Delavan		100	Air Boot	0.75	0.75
40BCS/E	EZ-1	7" EZ-1	9588502	5 3/8	0.85	70A	Delavan		100	Air Boot	0.85/1.00	0.85
51BCS/E	EZ-1	7" EZ-1	9588502	5 3/8	1.10	70A	Delavan		100	Air Boot	1.10/1.25	1.10
120BCS/E	EZ-1	7" EZ-1	98480	5 3/8	1.10	70A	Delavan		100	Air Boot	1.10/1.25	1.10
190BCS/E	EZ-1	7" EZ-1	98480	5 3/8	1.35	70B	Delavan		100	Air Boot	1.35/1.50	1.35
72E	EZ-2HP	7" EZ-2/3	98374	5 3/8	1.25	70B	Delavan		150	EZ-2	1.50	1.25
73E	EZ-2HP	7" EZ-2/3	98374	5 3/8	1.50	70B	Delavan		150	EZ-2	1.50	1.50
241E	EZ-2HP	11" EZ-2/3	98334	8 3/4	1.65	70B	Delavan		150	EZ-2	2.00	1.65
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%

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Bock Water Heater cont'd

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	0.55
CL4100	EZ-1HP	4" EZ-1	50926	4	0.85	45B	Delavan	60W	Delavan	150	blank	0.75	0.75
CL5125	EZ-1HP	4" EZ-1	50926	4	1.00	60B	Delavan	60B	Delavan	150	blank	0.75	1.00
CL6150	EZ-1HP	4" EZ-1	50926	4	1.25	45B	Delavan	60B	Delavan	150	blank	1.10/1.25	1.25
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	0.65
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	0.85
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	1.00
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	1.10
Regal Furnace													
LB/HB 600	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan			100	blank	0.60/0.65	0.60
LB/HB 750	EZ-1	7" EZ-1	98685	5 1/2	0.75	70A	Delavan			100	blank	0.75	0.75
LB/HB 850	EZ-1	7" EZ-1	98685	5 1/2	0.85	70A	Delavan			100	blank	0.85/1.00	0.85
LB/HB 1000	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago			100	blank	0.85/1.00	1.00
LB/HB 1250	EZ-1	9" EZ-1	98686	8	1.25	60SS	Hago			100	blank	1.10/1.25	1.25
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	25%
					0.60	60A	Delavan	60W	Delavan	165	blank	0.60/0.65	45%
RSM1005	EZ-LF	9" 12D	51211	5 1/4	0.65	60A	Delavan			175	blank	0.60/0.65	0.65
					0.75	60A	Delavan			175	blank	0.75	0.75
					0.85	60A	Delavan			175	blank	0.85/1.00	0.85
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	2	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

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Boyertown Furnace Co cont'd

Solaia Boilers													
SLD375	EZ-1 Select	7" EZ-1	99843	3 3/4	0.60	60B	Delavan	60S	Steinen	150	blank	1	55%
SLD4100	EZ-1 Select	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	60S	Steinen	150	blank	2	63%
SLD5125	EZ-1 Select	7" EZ-1	99843	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	0.60
SL4100	EZ-1HP	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	60W	Delavan	150	blank	0.85/1.00	0.85
SL5125	EZ-1HP	7" EZ-1	99843	3 3/4	1.00	60B	Delavan	60B	Delavan	150	blank	0.85/1.00	1.00
SL6150	EZ-1HP	7" EZ-1	99843	3 3/4	1.25	45B	Delavan	60B	Delavan	150	blank	1.10/1.25	1.25
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

RF-30SX	EZ-1	9" EZ-1	96860	7	0.85	60A	Delavan	60AB	Danfoss	100	blank	0.85/1.00	0.85
RF-30	EZ-1	9" EZ-1	96860	7	0.85	60A	Delavan	60AB	Danfoss	100	blank	0.85/1.00	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	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	2.00
					1.75	60B	Delavan	60A	Delavan	100	EZ-2	2.00	1.75
CF-32	EZ-1	7" EZ-1	96863	5 1/2	0.65	70A	Delavan	60A	Delavan	100	blank	0.60/0.65	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	0.75
					0.85	60A	Delavan		100	blank	0.85/1.00	0.85	
CF-70	EZ-1	9" EZ-1	96860	7	0.85	60A	Delavan	60W	Delavan	100	blank	0.85/1.00	0.85
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%
RF-30	100CRD	9" STD	97436	7	0.85	60A	Delavan			100	blank	2-4	60%
RF-50	100CRD	9" STD	97437	7 1/2	1.25	60B	Delavan			100	blank	4-6	75%
RF-70	100CRD	11" STD	97438	9	1.65	60B	Delavan			100	blank	6-8	100%
CF-32A	100CRD	7" STD	97459	5 1/2	0.65	60A	Delavan			100	blank	0-2	40%
CF-40	100CRD	7" STD	N/A	4 1/2	0.65	60A	Delavan			100	blank	0-2	40%
CF-50	100CRD	9" STD	N/A	7	0.75	60A	Delavan			100	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	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					

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Bryan Steam cont'd

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 <sup>1</sup>	50700	4	0.50	70A	Delavan	60A	Delavan	150	blank	0.50	0.50
G115-3WS	EZ-1HP	7" EZ-1 <sup>1</sup>	50700	4	0.60	60B	Delavan	60W	Delavan	160	blank	0.60/0.65	0.60
G115-4	EZ-1HP	7" EZ-1 <sup>1</sup>	50700	4	0.65	60ES	Hago	70AS	Danfoss	150	blank	0.60/0.65	0.65
G115-4WS	EZ-1HP	7" EZ-1 <sup>1</sup>	50700	4	0.75	60B	Delavan	70A	Delavan	160	blank	0.75	0.75
G115-5	EZ-1HP	7" EZ-1 <sup>1</sup>	50700	4	0.85	60B	Delavan	60W	Delavan	150	blank	0.85/1.00	0.85
G115-5WS	EZ-1HP	7" EZ-1 <sup>1</sup>	50700	4	0.85	60B	Hago	60B	Delavan	185	blank	0.75	1.00
G115-3DV	EZ-1HP	7" EZ-1 <sup>1</sup>	50700	4	0.50	70A	Delavan	60A	Delavan	150	cover	0.50	0.50
G115-4DV	EZ-1HP	7" EZ-1 <sup>1</sup>	50700	4	0.65	60ES	Hago	70AS	Danfoss	150	cover	0.60/0.65	0.75
G115-5DV	EZ-1HP	7" EZ-1 <sup>1</sup>	50700	4	0.85	60B	Delavan	60W	Delavan	150	cover	0.85/1.00	1.00
G205-34	EZ-1HP	5" EZ-1	97288	3 1/4	0.85	60B	Delavan	60ES	Hago	150	EZ-1	0.85/1.00	0.85
G205-42	EZ-1HP	5" EZ-1	97288	3 1/4	1.00	60B	Delavan	60B	Delavan	150	EZ-1	0.85/1.00	0.85
G205-50	EZ-1HP	5" EZ-1	97288	3 1/4	1.20	60B	Delavan	60ES	Hago	150	EZ-1	1.10/1.25	0.90
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	0.75
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%
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%

<sup>1</sup> For 5" air tube use part number 97847.

### 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	60H	Hago		150	--	1/16	0
					HF	2.50	60H	Hago					
4F154-40	701CRD	14"	69153	5 1/2	LF	4.50	60H	Hago		150	--	3/4	5/8
					HF	5.00	60H	Hago					
4F154-40	801CRD	15"	69161	5 1/2	LF	5.50	45H	Hago		150	--	1/16	1/4
					HF	4.00	45H	Hago					
4F180-40	801CRD	15"	69161	5 1/2	(2)	5.50	45H	Hago		150	--	3/16	1/4
					LF	5.50	45H	Hago					
4F180-45	801CRD	15"	69161	5 1/2	LF	5.50	45H	Hago		150	--	1/16	1/4
					HF	4.50	45H	Hago					
4F209-40	801CRD	15"	69161	5 1/2	(2)	6.50	45SS	Hago		150	--	7/16	3/8
					LF	6.00	45H	Hago					
4F209-45	801CRD	15"	69161	5 1/2	LF	6.00	45H	Hago		150	--	1/4	3/8
					HF	5.50	45H	Hago					
4F209-50	801CRD	15"	69161	5 1/2	LF	5.50	45H	Hago		150	--	1/16	1/4
					HF	4.50	45H	Hago					
4F240-45	801CRD	15"	69161	5 1/2	(2)	6.50	45H	Hago		150	--	7/16	3/8
					LF	6.50	45H	Hago					
4F240-50	801CRD	15"	69161	5 1/2	(2)	6.00	45H	Hago		150	--	5/16	3/8
					LF	6.50	45H	Hago					
4F277-50	801CRD	15"	69161	5 1/2	LF	7.00	45H	Hago		150	--	1/2	1/2
					HF	7.00	45H	Hago					
4F240-40	1050FFD	STD 4" SP	48462	5 5/8	LF	9.00	45SS	Hago		100	--	3/4	100%
					HF	4.00	45SS	Hago					
					HF	4.50	45SS	Hago					
4F277-40	1050FFD	STD 4" SP	48462	5 5/8	LF	10.00	45SS	Hago		100	--	1	100%
					HF	5.00	45SS	Hago					
					HF	5.50	45SS	Hago					
4F277-45	1050FFD	STD 4" SP	48462	5 5/8	LF	9.00	45SS	Hago		100	--	7/8	100%
					2H	4.50	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 Position	Air Setting
					Size	Type	Mfr					
<b>Burnham (U.S. Boiler) cont'd</b>												
4F311-45	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 HF 5.00	45SS 45SS	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%
E-20	701CRD	10"	78881	5 1/2	LF 3.00 HF 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 6.00 HF 6.50	45H 45H	Hago Hago		150	--	7/8	0
E-60	1050FFD	STD 4" SP	48462	5 5/8	LF 8.00 2H 5.00	45SS 45SS	Hago Hago		100	--	9/16	5/16
EMP-84	EZ-LF <sup>1</sup>	7" - 12D	50989	2 5/8	0.50	60AS	Danfoss		150	blank	1	30%
EMP-115	EZ-LF <sup>1</sup>	7" - 12D	50989	2 5/8	0.65	60A	Delavan	60B Delavan	150	blank	0.75	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%
<sup>1</sup> 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 3.25 HF 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 5.50 HF 4.50	45SS 45SS	Hago Hago		150	--	1/8	1/4
FDO-45	801CRD	10"	N/A	4 3/8	LF 6.00 HF 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	0.90	70B	Delavan		100	blank	0	40%
MP138	100CRD	9" WS	47316	2 1/2	1.10	70B	Delavan		100	blank	2	60%
MPO-84	EZ-LF <sup>1</sup>	7" - 12D	50989	2 5/8	0.50	60AS	Danfoss	60B Hago	150	blank	1	30%
MPO-115	EZ-LF <sup>1</sup>	7" - 12D	50989	2 5/8	0.65	60A	Delavan	60B Delavan	150	blank	0.75	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%
<sup>1</sup> 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 3.25 HF 2.25	60H 60H	Hago Hago		150	--	5/16	1/8
PF-506	701CRD	10"	49072	2 3/4	(2) 3.50	60H	Hago		150	--	7/16	1/4
PF-507	701CRD	10"	49072	2 3/4	(2) 4.00	60H	Hago		150	--	5/8	1/2
PF-508	701CRD	10"	49072	2 3/4	(2) 4.50	60H	Hago		150	--	1	5/8

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					
<b>Burnham (U.S. Boiler) cont'd</b>												
PFR-505	701CRD	10"	49072	2 3/4	LF 3.00 HF 2.00	60H 60H	Hago Hago		150	--	5/16	1/8
PFR-506	701CRD	10"	49072	2 3/4	LF 3.25 HF 2.75	60H 60H	Hago Hago		150	--	7/16	1/4
PFR-507	701CRD	10"	49072	2 3/4	(2)	3.75 60H	Hago		150	--	5/8	1/2
PFR-508	701CRD	10"	49072	2 3/4	LF 4.00 HF 4.50	60H 60H	Hago Hago		150	--	1	5/8
PF-509	801CRD	10"	49460	3 1/16	LF 5.50 HF 5.00	45H 45H	Hago Hago		150	--	1/8	100%
PF-510	801CRD	10"	49460	3 1/16	LF 6.00 HF 5.50	45H 45H	Hago Hago		150	--	5/16	100%
PF-511	801CRD	10"	49460	3 1/16	(2)	6.50 45H	Hago		150	--	7/16	100%
PF-512	801CRD	10"	49460	3 1/16	LF 6.50 HF 7.50	45H 45H	Hago Hago		150	--	3/4	100%
PF-513	801CRD	10"	49460	3 1/16	LF 6.50 HF 8.50	45H 45H	Hago Hago		150	--	1	100%
PFR-509	801CRD	10"	49460	3 1/16	(2)	5.00 45H	Hago		150	--	1/8	100%
PFR-510	801CRD	10"	49460	3 1/16	(2)	5.50 45H	Hago		150	--	5/16	100%
PFR-511	801CRD	10"	49460	3 1/16	LF 6.00 HF 6.50	45H 45H	Hago Hago		150	--	7/16	100%
PFR-512	801CRD	10"	49460	3 1/16	LF 6.50 HF 7.00	45H 45H	Hago Hago		150	--	3/4	100%
PFR-513	801CRD	10"	49460	3 1/16	LF 6.50 HF 8.50	45H 45H	Hago Hago		150	--	1	100%
PF-514	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 2H 5.00	45SS 45SS	Hago Hago		100	--	7/8	100%
PF-515	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 2H 5.50	45SS 45SS	Hago Hago		100	--	1 1/8	100%
PF-516	1050FFD	STD 4" SP	48462	5 5/8	LF 11.00 2H 5.50	45SS 45SS	Hago Hago		100	--	1 3/8	100%
PFR-514	1050FFD	STD 4" SP	48462	5 5/8	LF 9.00 2H 5.00	45SS 45SS	Hago Hago		100	--	7/8	100%
PFR-515	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 2H 5.50	45SS 45SS	Hago Hago		100	--	1 1/8	100%
PFR-516	1050FFD	STD 4" SP	48462	5 5/8	LF 11.00 2H 5.50	45SS 45SS	Hago Hago		100	--	1 3/8	100%
PF-517	1150FFD	STD 4" SP	48512	6	LF 12.00 2H 6.00	45SS 45SS	Hago Hago		100	--	3/4	75%
PF-518	1150FFD	STD 4" SP	48512	6	LF 12.00 HF 6.50 HF 7.00	45SS 45SS 45SS	Hago Hago Hago		100	--	7/8	85%
PF-519	1150FFD	STD 4" SP	48512	6	LF 13.00 2H 7.00	45SS 45SS	Hago Hago		100	--	15/16	95%
PF-520	1150FFD	STD 4" SP	48512	6	LF 14.00 HF 7.00 HF 7.50	45SS 45SS 45SS	Hago Hago Hago		100	--	1	100%
PF-521	1150FFD	STD 4" SP	48512	6	LF 15.00 HF 7.00 HF 7.50	45SS 45SS 45SS	Hago Hago Hago		100	--	1 1/8	100%
PFR-517	1150FFD	STD 4" SP	48512	6	LF 12.00 2H 6.00	45SS 45SS	Hago Hago		100	--	3/4	75%
PFR-518	1150FFD	STD 4" SP	48512	6	LF 12.00 2H 6.50	45SS 45SS	Hago Hago		100	--	7/8	85%
PFR-519	1150FFD	STD 4" SP	48512	6	LF 13.00 2H 7.00	45SS 45SS	Hago Hago		100	--	15/16	95%
PFR-520	1150FFD	STD 4" SP	48512	6	LF 14.00 2H 7.00	45SS 45SS	Hago Hago		100	--	1	100%
PFR-521	1150FFD	STD 4" SP	48512	6	LF 15.00 HF 7.00 HF 7.50	45SS 45SS 45SS	Hago Hago Hago		100	--	1 1/8	100%
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	0.50
RS-A85	EZ-1HP	5" EZ-1	N/A	1 1/2	0.75	60A	Delavan	60W Delavan	140	EZ-1	0.75	0.60
RS-AE110	EZ-1HP	5" EZ-1	N/A	1 1/2	0.50	60W	Delavan	60A Delavan	140	EZ-1	0.50	0.40

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting	
					Size	Type	Mfr						
<b>Burnham (U.S. Boiler) cont'd</b>													
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	0.60
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	0.75
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	0.50
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	0.65
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	0.90
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	0.60
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	0.85
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	0.85
V172	EZ-1	5" EZ-1	84822	1 3/4	0.60	60A	Delavan			100	EZ-1	0.60/0.65	0.60
V13	EZ-1	5" EZ-1	84822	1 3/4	0.75	60A	Delavan			100	EZ-1	0.75	0.75
V196	EZ-1	5" EZ-1	84822	1 3/4	0.85	60A	Delavan			100	EZ-1	0.85/1.00	0.85
V14	EZ-1	5" EZ-1	84822	1 3/4	1.00	60A	Delavan			100	EZ-1	0.85/1.00	1.00
V15	EZ-1	5" EZ-1	84822	1 3/4	1.35	60A	Delavan			100	EZ-1	1.35/1.50	1.35
V16	EZ-2	5" EZ-2/3	84830	1 3/4	1.65	60A	Delavan			100	EZ-2	1.65/1.75	1.65
V17	EZ-2	5" EZ-2/3	84830	1 3/4	1.75	60A	Delavan			100	EZ-2	1.65/1.75	1.75
V18	EZ-2	5" EZ-2/3	84830	1 3/4	2.00	60A	Delavan			100	EZ-2	2.00	2.00
V13RO/FO	99FRD	4" WS	N/A	1 3/4	0.75	60AR	Monarch			100	blank	2	42% <sup>1</sup>
V14RO/FO	99FRD	4" WS	N/A	1 3/4	1.00	60AR	Monarch			100	blank	3	60% <sup>1</sup>
V172	99FRD	5" WS	47050	1 3/4	0.60	60AR	Monarch			100	blank	1-2	34% <sup>1</sup>
V13	99FRD	5" WS	47050	1 3/4	0.75	60AR	Monarch			100	blank	2	42% <sup>1</sup>
V196	99FRD	5" WS	47050	1 3/4	0.85	60AR	Monarch			100	blank	2-3	50% <sup>1</sup>
V14	99FRD	5" WS	47050	1 3/4	1.00	60AR	Monarch			100	blank	3	60% <sup>1</sup>
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%
<sup>1</sup> Single slot air band.													
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%
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	0.65
V-714	EZ-1HP	5" EZ-1	8484801	1 7/8	1.00	60A	Delavan	60B	Hago	140	EZ-1	0.85/1.00	1.00
V-73	EZ-1HP	5" EZ-1	8484801	1 7/8	0.85	60A	Delavan	60B	Delavan	150	EZ-1	0.85/1.00	0.85
V-74	EZ-1HP	5" EZ-1	8484801	1 7/8	1.10	60B	Delavan	70B	Delavan	150	EZ-1	1.10/1.25	1.10
V-75	EZ-1HP	5" EZ-1	8484801	1 7/8	1.35	60B	Delavan	60ES	Hago	150	EZ-1	1.35/1.50	1.35
V-76WR	EZ-1HP	5" EZ-1	8484801	1 7/8	1.00	60B	Delavan	60ES	Hago	150	EZ-1	0.85/1.00	1.00
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 <sup>2</sup>	51163	1 7/8	0.50	60A	Delavan	60H	Hago	150	blank	0.50	0.45
V8H3S	EZ-1HP	7" EZ-1 <sup>2</sup>	51163	1 7/8	0.60	60B	Delavan	60B	Hago	150	blank	0.60/0.65	0.53
V8H3W	EZ-1HP	7" EZ-1 <sup>2</sup>	51163	1 7/8	0.85	70B	Delavan	60A	Delavan	150	blank	0.85/1.00	0.70
V8H4S	EZ-1HP	7" EZ-1 <sup>2</sup>	51163	1 7/8	0.85	60B	Delavan	60B	Hago	150	blank	0.85/1.00	0.75
V8H4W	EZ-1HP	7" EZ-1 <sup>2</sup>	51163	1 7/8	1.10	60B	Delavan	60B	Hago	150	blank	1.10/1.25	1.15
V8H5S	EZ-1HP	7" EZ-1 <sup>2</sup>	51163	1 7/8	1.10	60B	Delavan	60B	Hago	150	blank	1.10/1.25	0.90
V8H5W	EZ-1HP	7" EZ-1 <sup>2</sup>	51163	1 7/8	1.35	60B	Delavan	60B	Hago	150	EZ-1	1.35/1.50	1.35
V8H6S	EZ-2HP	7" EZ-2 <sup>5</sup>	51164	1 7/8	1.35	60A	Delavan	60B	Hago	140	EZ-2	1.50	1.75
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 <sup>6</sup>	51165	1 7/8	1.75	60B	Delavan	60B	Hago	140	3 slot	3	50%
V88	102CRD-3	7" B <sup>6</sup>	51165	1 7/8	2.00	60B	Delavan	60B	Hago	140	3 slot	4	60%
V89	102CRD-3	7" B <sup>6</sup>	51165	1 7/8	2.25	70B	Delavan	70A	Delavan	140	3 slot	5	100%
V82	EZ-1HP	5" EZ-1	8484801	1 7/8	0.50	60A	Delavan	60H	Hago	150	EZ-1	0.50	0.45
<sup>2</sup> For 5" air tube use part number 8484801.													
<sup>5</sup> For 5" air tube use part number 98377.													
<sup>6</sup> For 5" air tube use part number 97714.													

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					
<b>Burnham (U.S. Boiler) cont'd</b>												
V83-W	EZ-1HP	5" EZ-1	8484801	1 7/8	0.85	60B	Delavan	60B Hago	150	EZ-1	0.85/1.00	0.80
V83-S	EZ-1HP	5" EZ-1	8484801	1 7/8	0.60	60B	Delavan	60B Hago	150	EZ-1	0.60/0.65	0.53
V84-W	EZ-1HP	5" EZ-1	8484801	1 7/8	1.10	60B	Delavan	60B Hago	150	EZ-1	1.10/1.25	0.90
V84-S	EZ-1HP	5" EZ-1	8484801	1 7/8	0.85	60B	Delavan	60A Delavan	150	EZ-1	0.85/1.00	0.75
V85-W	EZ-1HP	5" EZ-1	8484801	1 7/8	1.35	60B	Delavan	60B Hago	150	EZ-1	1.35/1.50	1.20
V85-S	EZ-1HP	5" EZ-1	8484801	1 7/8	1.10	60B	Delavan	60B Hago	150	EZ-1	1.10/1.25	0.90
V86-W	EZ-2HP	5" EZ-2/3	98377	1 7/8	1.65	60A	Delavan	60B Delavan	140	EZ-2	2.00	1.80
V86-S	EZ-2HP	5" EZ-2/3	98377	1 7/8	1.35	60A	Delavan	60B Delavan	140	EZ-2	1.50	1.75
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	60PL	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 <sup>1</sup>	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
V1108	801CRD	10"	97980 <sup>3</sup>	4	(2) 5.50	45H	Hago		150	--	1/2	1/2
V1109	801CRD	10"	97980 <sup>3</sup>	4	(2) 6.00	45H	Hago		150	--	3/4	1/2
V1110	1050FFD	STD 4" SP	97981 <sup>3</sup>	6	LF 9.00 HF 3.75	45SS 45SS	Hago Hago		100	--	1/4	1/8
V1111	1050FFD	STD 4" SP	97981 <sup>3</sup>	6	LF 9.00 2H 4.50	45SS 45SS	Hago Hago		100	--	7/16	11/16
V1112	1050FFD <sup>2</sup>	STD 4" SP	97981 <sup>3</sup>	6	LF 9.00 2H 5.50	45SS 45SS	Hago Hago		100	--	3/8	9/16
V1113	1050FFD <sup>2</sup>	STD 4" SP	97981 <sup>3</sup>	6	LF 9.00 HF 6.00 HF 6.50	45SS 45SS 45SS	Hago Hago Hago		100	--	9/16	1/2
V1114	1150FFD	STD 4" SP	97986 <sup>3</sup>	6	LF 12.00 HF 5.50 HF 6.00	45SS 45SS 45SS	Hago Hago Hago		100	--	0	1/4
V1115	1150FFD	STD 4" SP	97986 <sup>3</sup>	6	LF 12.00 HF 6.50 HF 7.00	45SS 45SS 45SS	Hago Hago Hago		100	--	1/8	1/2
V1116	1150FFD	STD 4" SP	97986 <sup>3</sup>	6	LF 12.00 HF 7.50	45SS 45SS	Hago Hago		100	--	3/8	1/2
V1117	1150FFD	STD 4" SP	97986 <sup>3</sup>	6	LF 12.00 HF 8.50	45SS 45SS	Hago Hago		100	--	5/8	1/2
<sup>1</sup> Burner is an 801CRD with an 1150FFD fan and motor.												
<sup>2</sup> Burner is a 1050FFD with an 1150FFD fan and motor.												
<sup>3</sup> For burners with UV control add UV to air tube part number.												

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Class Boilers

CL375	EZ-1HP	4" EZ-1	50926	4	0.60	60W	Delavan	60AS	Danfoss	150	blank	0.60/0.65	0.60
CL4100	EZ-1HP	4" EZ-1	50926	4	0.85	45B	Delavan	60W	Delavan	150	blank	0.85/1.00	0.85
CL5125	EZ-1HP	4" EZ-1	50926	4	1.00	60B	Delavan	60B	Delavan	150	blank	0.85/1.00	1.00
CL6150	EZ-1HP	4" EZ-1	50926	4	1.25	45B	Delavan	60B	Delavan	150	blank	1.10/1.25	1.25

### 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	0.75
CBX 100WC	EZ-1HP	5" EZ-1	97379	1 3/4	0.85	60B	Delavan	45W	Delavan	150	blank	0.85/1.00	0.85
CBX 110WC	EZ-1HP	5" EZ-1	97379	1 3/4	0.90	60B	Delavan	60W	Delavan	150	blank	0.85/1.00	0.85
CBX 125WC	EZ-1HP	5" EZ-1	97379	1 3/4	1.00	60B	Delavan	60W	Delavan	150	blank	0.85/1.00	1.00
CBX 90WC-DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.75	60B	Delavan	60W	Delavan	150	Air Boot	0.75	0.75
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	0.85
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	1.10
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	1.10
CSFH3085	EZ-1HP	7" EZ-1	95869	2 1/2	0.75	70B	Delavan	70A	Delavan	130	blank	0.75	45%
CSFH3100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A	Delavan	140	blank	0.85/1.00	55%
CSFH4100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A	Delavan	140	blank	0.85/1.00	52%
CSFH4125	EZ-1HP	7" EZ-1	95869	2 1/2	1.00	70B	Delavan	70A	Delavan	155	blank	0.85/1.00	70%
CSFH4145	EZ-1HP	7" EZ-1	95869	2 1/2	1.20	70B	Delavan	70B	Hago	145	blank	1.10/1.25	78%
CSFH5160	EZ-2HP	7" EZ-1	95869	2 1/2	1.35	70B	Delavan	70AS	Danfoss	140	3 slot	0.85/1.00	20%
CSFH5185	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	70B	Delavan	70AS	Danfoss	155	3 slot	1.50	30%
CSFH6175	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	60B	Delavan	60B	Hago	140	3 slot	1.50	35%
CSFH6210	EZ-2HP	7" EZ-1	95869	2 1/2	1.75	70AS	Danfoss	60ES	Hago	130	4 slot	1.65/1.75	65%
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	0.65
EM-100	EZ-1HP	5" EZ-1	N/A	2	0.75	70A	Delavan	70W	Delavan	140	EZ-1	0.75	0.65
EM-110	EZ-1HP	5" EZ-1	N/A	2	0.85	70A	Delavan	70W	Delavan	140	EZ-1	0.85/1.00	0.75
EM-125	EZ-1HP	5" EZ-1	N/A	2	1.00	60ES	Hago	70A	Delavan	140	EZ-1	0.85/1.00	0.85
EM-135	EZ-1HP	5" EZ-1	N/A	2	1.10	60B	Delavan	60B	Hago	140	EZ-1	1.10/1.25	1.00
EM-150	EZ-1HP	5" EZ-1	N/A	2	1.25	60B	Delavan	60B	Hago	140	EZ-1	1.10/1.25	1.25
EM-165	EZ-1HP	5" EZ-1	N/A	2	1.35	60B	Delavan	60B	Hago	140	EZ-1	1.35/1.50	1.35
EM-175	EZ-2HP	5" EZ-2/3	N/A	2	1.50	70A	Delavan	70W	Delavan	140	EZ-2	1.50	1.50
EM-200	EZ-2HP	5" EZ-2/3	N/A	2	1.65	70A	Delavan	70W	Delavan	140	EZ-2	1.65/1.75	1.65
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 2H 6.00	45SS 45SS	Hago Hago			100	--	13/16	1/2
100HRT	1150FFD	STD 4" SP	N/A	6	LF 14.00 2H 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

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					
<b>Columbia Boiler cont'd</b>												
WL140	801CRD	10"	49403	4 3/4	LF 6.00	45H	Hago		150	--	5/8	3/8
WL180	801CRD	10"	49403	4 3/4	HF 5.50	45H	Hago		150	--	1 1/4	1/2
					LF 6.50	45H	Hago					
					HF 8.50	45H	Hago					
CWH1510	801CRD	10"	49403	4 3/4	LF 5.50	45H	Hago		150	--	1/16	1/4
					HF 4.50	45H	Hago					
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	0.75	60A	Delavan		100	blank	0	45%
GEM103	100CRD	5" STD	N/A	2 1/4	1.00	60A	Delavan		100	blank	1	100%
GEM120	100CRD	5" STD	N/A	2 1/4	1.10	60A	Delavan		100	blank	1	100%
GEM137	100CRD	5" STD	N/A	2 1/4	1.25	60A	Delavan		100	blank	2	100%
GEM160	100CRD	5" STD	N/A	2 1/4	1.50	60A	Delavan		100	open	4	100%
GEM175	100CRD	5" STD	N/A	2 1/4	1.65	60A	Delavan		100	open	6	100%
GEM190	100CRD	5" STD	N/A	2 1/4	1.75	60A	Delavan		100	open	7	100%
GEM198	100CRD	5" STD	N/A	2 1/4	2.00	60A	Delavan		100	open	6	100%
TE91	100CRD	5" STD	N/A	2 1/4	0.75	60A	Delavan		100	blank	0	45%
TE122	100CRD	5" STD	N/A	2 1/4	1.00	60A	Delavan		100	blank	1	100%
TE153	100CRD	5" STD	N/A	2 1/4	1.25	60A	Delavan		100	blank	2	100%
<b>CRC Enviromental</b>												
105	EZ-1HP	11" EZ-1	97632	7 3/4"	0.65	30A	Delavan		140	EZ-1	0.60/0.65	0.65
125	EZ-1HP	11" EZ-1	97632	7 3/4"	0.75	30A	Delavan		140	EZ-1	0.75	1.00
<b>Crown Boiler Company</b>												
BD91	EZ-1	5" EZ-1	84889	2 1/4	0.75	60A	Delavan	60ES Hago	100	EZ-1	0.75	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	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	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	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	1.75
BD238	EZ-2	5" EZ-2/3	85928	2 1/4	2.00	60SS	Hago	60W Delavan	100	EZ-2	2.00	2.00
BDS80	EZ-1HP	5" EZ-1	84889	2 1/4	0.55	70B	Delavan		150	EZ-1	0.50	0.52
BDS92	EZ-1HP	5" EZ-1	84889	2 1/4	0.65	60B	Delavan		150	EZ-1	0.60/0.65	0.60
BDS111	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60B	Delavan		150	EZ-1	0.75	0.75
BDS119	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60B	Delavan		150	EZ-1	0.85/1.00	0.80
BDS147	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan		150	EZ-1	0.85/1.00	0.90
BDS150	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan		150	EZ-1	0.85/1.00	0.90
BDS178	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan		150	EZ-1	1.10/1.25	1.25
BDS209	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60B	Delavan		150	EZ-2	1.50	1.65
BDS236	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.65	60B	Delavan		150	EZ-2	1.65/1.75	1.95
CSHB 60 - 90	EZ-1HP	5" EZ-1	99408	4 1/2	0.50	70A	Delavan		150	blank	0.50	0.40
					0.60	70A	Delavan		150	blank	0.60/0.65	0.40
					0.75	70A	Delavan		150	blank	0.75	0.50
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	0.45
					0.65	60A	Delavan		140	blank	0.60/0.65	0.60
					0.75	60A	Delavan		140	blank	0.75	0.65
					0.85	60A	Delavan		140	blank	0.85/1.00	0.65
FWZ-081	EZ-LF <sup>1</sup>	7" - 12D	50989	2 5/8	0.60	60AS	Danfoss		175	blank	2-4 @ 2	45%
FWZ-100	EZ-LF	7" - 12D	50989	2 5/8	0.75	60B	Hago		175	blank	2-4 @ 2	35%
FWZ-130	EZ-LF	7" - 12D	50989	2 5/8	1.00	45B	Hago		175	blank	2-4 @ 3	45%
FWZ-160	EZ-66	7" WS	51198	2 5/8	1.35	45B	Hago		140	blank	4-6 @ 5	60%
ODV-75	EZ-1HPV <sup>2</sup>	5" EZ-1	98660	2 1/4	0.65	70W	Delavan		150	Air Boot	0.75	0.65
ODV-100	EZ-1HPV <sup>2</sup>	5" EZ-1	98660	2 1/4	0.85	60A	Delavan		150	Air Boot	0.85/1.00	0.85
ODV-125	EZ-1HPV <sup>2</sup>	5" EZ-1	98660	2 1/4	1.00	60A	Delavan		150	Air Boot	1.10/1.25	1.00
<sup>1</sup> Burner requires a 28 hole blender on access cover												
<sup>2</sup> Burner is equipped with an extended air inlet ring.												

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					
<b>Crown Boiler Company cont'd</b>												
TWB/ KSB 075	EZ-1HP	5" EZ-1	84889	2 1/4	0.60	60W	Delavan		150	blank	0.60/0.65	0.60
TWB/ KSB 100	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60B	Hago		150	blank	0.85/1.00	0.70
TWB/ KSB 125	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60A	Delavan		150	blank	0.85/1.00	1.00
TWB/ KSB 150	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan		150	blank	1.10/1.25	1.25
TWZ065 (3 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	0.55	60A	Delavan	60ES Hago	150	blank	0.50	0.50
TWZ075 (3 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	0.60	60A	Delavan	60ES Hago	150	blank	0.60/0.65	0.60
TWZ100 (3 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60A	Delavan	60ES Hago	150	blank	0.85/1.00	0.70
TWZ090 (4 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60A	Delavan	60ES Hago	150	blank	0.75	0.75
TWZ125 (4 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60A	Delavan	60ES Hago	150	blank	0.85/1.00	1.00
TWZ150 (4 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan	60B Hago	150	blank	1.10/1.25	1.25
TWZ120 (5 sec.)	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60A	Delavan	60ES Hago	150	blank	0.85/1.00	0.90
TWZ175 (5 sec.)	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60A	Delavan	60ES Hago	150	EZ-2	1.50	2.00
TWZ200 (5 sec.)	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.65	60A	Delavan	60ES Hago	150	EZ-2	2.00	2.25
<b>Dettson Industries</b>												
AMP-098	EZ-LF <sup>1</sup>	7" EZ-1	50859	2 3/8	0.50	60H	Danfoss		150	blank	0.60/0.65	20%
					0.55	60H	Danfoss		165	blank	0.60/0.65	30%
AMP-112	EZ-LF	7" - 12D	50860	2 3/8	0.55	70A	Delavan	70B Hago	155	blank	0.60/0.65	20%
					0.65	70A	Delavan	70B Delavan	155	blank	0.75	21%
<sup>1</sup> AMP-098 burner requires a 36 hole blender on access cover												
<b>Dunkirk Radiator</b>												
3E.60	EZ-1HP	5" EZ-1	84889	2 1/4	0.50	60B	Delavan	70B Delavan	150	EZ-1	0.50	0.50
3E.75	EZ-1HP	5" EZ-1	84889	2 1/4	0.60	60W	Delavan	70B Delavan	150	EZ-1	0.60/0.65	0.60
3E1.00	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	70B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	0.85
4E.90	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60B	Delavan	60W Delavan	150	EZ-1	0.75	0.75
4E1.25	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	1.00
4E1.50	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan	60W Delavan	150	EZ-1	1.10/ 1.25	1.25
5E1.20	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	70B	Delavan	70B Hago	150	EZ-1	0.85/1.00	1.00
5E1.75	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	70W	Delavan		150	EZ-2	1.50	1.50
5E2.00	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.65	70W	Delavan		150	EZ-2	1.65/1.75	1.65
3EWC0.80	EZ1-HP	5" EZ-1	84889	2 1/4	0.65	60W	Delavan	70A Delavan	150	blank	0.60/0.65	50%
4EWC1.00	EZ1-HP	5" EZ-1	84889	2 1/4	0.85	60B	Delavan	60A Delavan	150	blank	0.85/1.00	60%
4EWC1.25	EZ1-HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60W Delavan	150	blank	0.85/1.00	75%
5EWC1.35	EZ1-HP	5" EZ-1	84889	2 1/4	1.10	60B	Delavan	60S Steinen	150	blank	1.10/1.25	75%
5EWC1.55	EZ1-HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan	45W Delavan	155	blank	1.10/1.25	90%
3EW0.65	EZ-1HP	5" EZ-1	84889	2 1/4	0.55	70B	Delavan	60W Delavan	150	EZ-1	0.50	0.50
3EW0.75	EZ-1HP	5" EZ-1	84889	2 1/4	0.65	60B	Delavan	60W Delavan	150	EZ-1	0.60/0.65	0.60
3EW1.00	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	0.80
4EW0.90	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60B	Delavan	60W Delavan	150	EZ-1	0.75	0.75
4EW1.25	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	0.90
4EW1.50	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Delavan	60W Delavan	150	EZ-1	1.10/1.25	1.25
5EW1.20	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60W Delavan	150	EZ-1	0.85/1.00	0.90
5EW1.75	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60B	Delavan	60W Delavan	150	EZ-2	1.50	1.65
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	1.95
3ES1.00	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	70W	Delavan	70A Delavan	150	EZ-1	0.85/1.00	0.85
3ES1.25	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	70W	Delavan	70A Delavan	150	EZ-1	0.85/1.00	1.00
3ES1.50	EZ-1HP	5" EZ-1	84889	2 1/4	1.10	70W	Delavan	70A Delavan	150	EZ-1	1.10/1.25	1.10
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	1.65
4ES1.65	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.35	60A	Delavan	60W Delavan	150	EZ-2	1.50	1.65
4ES1.85	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60A	Delavan	60W Delavan	150	EZ-2	1.50	2.00
<b>Excelsior Series</b>												
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%
† Burner equipped with 6 slot retention ring and stainless steel extension on air tube												
* Burners use 2-step pump with 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 Position	Air Setting
					Size	Type	Mfr					

### Dunkirk Radiator cont'd

Pre 2021 below													
EXB4075	EZ-LF	7" 12D	50887	3	0.60	60AS	Danfoss	60A	Delavan	160	blank	0.60/0.65	25%
EXB4095	EZ-LF	7" 12D	50887	3	0.75	45W	Delavan	45AB	Danfoss	160	blank	0.75	35%
EXB4110	EZ-LF	7" 12D	50887	3	0.85	60A	Delavan	60W	Delavan	165	blank	0.75	50%
EXB5100	EZ-LF	7" 12D	50887	3	0.75	60B	Hago	60B	Delavan	175	blank	0.75	35%
EXB5115	EZ-LF	7" 12D	50887	3	0.85	45A	Delavan	45AB	Danfoss	180	blank	0.85/1.00	40%
EXB5135	EZ-LF	7" 12D	50887	3	1.10	60AB	Danfoss	60W	Delavan	150	blank	1.10/1.25	45%

### Dynatherm Boiler Manufacturing

FP-18	EZ-1HP	7" EZ-1	99411	3	0.55	45B	Hago	45B	Delavan	150	blank	0.50	0.60
					0.60	45B	Hago	45B	Delavan	150	blank	0.60/0.65	0.65
					0.75	45B	Hago	45B	Delavan	150	blank	0.75	0.75
FP-24	EZ-1HP	7" EZ-1	99411	3	0.75	45B	Hago	45B	Delavan	150	blank	0.75	0.75
					0.85	45B	Hago	45B	Delavan	150	blank	0.85/1.00	0.85
					1.10	45B	Hago	45B	Delavan	150	blank	1.10/1.25	1.10
FP-36	EZ-1HP	7" EZ-1	99411	3	1.00	45B	Hago	45SS	Hago	150	blank	0.85/1.00	1.15
					1.10	45B	Hago	45SS	Hago	150	blank	1.10/1.25	1.15
					1.25	45B	Hago	45B	Delavan	150	blank	1.35/1.50	1.20
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%
					0.55	45B	Hago	45B	Delavan	150	Air Boot	0.60/0.65	0.45
FP-18-DV	EZ-1HP	7" EZ-1	99411	3	0.60	45B	Hago	45B	Delavan	150	Air Boot	0.75	0.55
					0.75	45B	Hago	45B	Delavan	150	Air Boot	0.85/1.00	0.65
					0.75	45B	Hago	45B	Delavan	150	Air Boot	0.85/1.00	0.65
FP-24-DV	EZ-1HP	7" EZ-1	99411	3	0.85	45B	Hago	45B	Delavan	150	Air Boot	1.10/1.25	0.85
					1.10	45B	Hago	45B	Delavan	150	Air Boot	1.35/1.50	1.15
					1.00	45B	Hago	45SS	Hago	150	Air Boot	1.10/1.25	1.20
FP-36-DV	EZ-1HP	7" EZ-1	99411	3	1.10	45B	Hago	45SS	Hago	150	Air Boot	1.35/1.50	1.20
					1.10	45B	Hago	45SS	Hago	150	Air Boot	1.35/1.50	1.20
					1.25	45B	Hago	45B	Delavan	150	Air Boot	1.65	1.60
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%

### Energy Kinetics

Ascent Boiler													
EK-1T	EZ-1HP	4" EZ-1	50759	2 3/8	0.75	60A	Delavan			130	EZ-1	0.75	50%
					** 0.85	60A	Delavan			135	EZ-1	0.85/1.00	55%
					1.00	60B	Delavan			185	EZ-1	0.85/1.00	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	40%
					* 0.65	70W	Delavan	70AB	Danfoss	130	EZ-1	0.60/0.65	45%
					† 0.75	60A	Delavan	70AB	Danfoss	130	EZ-1	0.75	50%
					0.85	70W	Delavan	70A	Danfoss	135	EZ-1	0.85/1.00	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	70%
					† 1.25	60B	Delavan	60B	Hago	125	EZ-1	1.10/1.25	65%
					1.35	45W	Delavan	45AB	Danfoss	140	EZ-1	1.35/1.50	90%
					1.35	45W	Delavan	60A	Delavan	170	3 slot	1.35/1.50	90%
* Resolute factory settings † Frontier factory settings													
EK-1	99FRD	9" STD	99216	2 3/8	0.60	60A	Delavan			130	blank	1	25% <sup>1</sup>
					0.65	60A	Delavan			130	blank	1	35% <sup>1</sup>
					0.75	60A	Delavan			130	blank	1.5	45% <sup>1</sup>
					0.85	60A	Delavan			136	blank	2.5	60% <sup>1</sup>
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%
<sup>1</sup> Single slot air band.													
Freedom	EZ-1HP	9" EZ-1	99213DF	2 3/8	0.75	70A	Delavan			140	EZ-1	0.75	0.75



## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Enerjet Corporation

OA-075	EZ-1	7" EZ-1	97823	1 1/2	0.75	70W	Delavan	60A	Delavan	100	EZ-1	0.75	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	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	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	1.50
OA-170	EZ-1	7" EZ-1	97823	1 1/2	1.65	70B	Delavan	70A	Delavan	100	EZ-1	1.65	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%
OB-083	EZ-1	7" EZ-1	97823	1 1/2	0.65	70B	Delavan			100	blank	0.60/0.65	0.65
OB-121	EZ-1	7" EZ-1	97823	1 1/2	1.00	70B	Delavan			100	blank	0.85/1.00	1.00
OB-148	EZ-1	7" EZ-1	97823	1 1/2	1.25	70B	Delavan			100	blank	1.10/1.25	1.25
OB-196	EZ-1	7" EZ-1	97823	1 1/2	1.65	70B	Delavan			100	blank	1.65	1.65
OB-257	102CRD-3	7" B	97835	1 1/8	2.00	60W	Delavan			100	3 slot	4	40%

<sup>1</sup> 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 <sup>1</sup>	See Note <sup>1</sup>	160	Air Boot	0.60/0.65	0.65
120	EZ-1HP	5" EZ-1	98707	2 1/2	0.75	60W	Delavan <sup>1</sup>	See Note <sup>1</sup>	160	Air Boot	0.75	0.75
150	EZ-1HP	5" EZ-1	98707	2 1/2	0.85	60W	Delavan <sup>1</sup>	See Note <sup>1</sup>	160	Air Boot	0.85/1.00	0.85
180	EZ-1HP	5" EZ-1	98707	2 1/2	1.10	60W	Delavan <sup>1</sup>	See Note <sup>1</sup>	160	Air Boot	1.10/1.25	1.10

<sup>1</sup> Alternate nozzle selections: Hago B, Danfoss B, or Monarch R.

### Ford Products

CF-30F	EZ-1	5" EZ-1	N/A	3 5/8	0.65	60ES	Hago		100	EZ-1	0.60/0.65	0.65
CF-50F	EZ-1	5" EZ-1	N/A	3 5/8	0.75	60ES	Hago		100	EZ-1	0.75	0.75
CF-30F	32WH	4" STD	N/A	3 5/8	0.65	60H	Hago		100	blank	0	45%
CF-50F	32WH	4" STD	N/A	3 5/8	0.75	60H	Hago		100	blank	0	45%
CL84	EZ-1	9" EZ-1	N/A	6 1/2	0.75	60SS	Hago		100	EZ-1	0.75	0.75
CL95	EZ-1	9" EZ-1	N/A	6 1/2	0.85	60SS	Hago		100	EZ-1	0.85/1.00	0.85
CL112	EZ-1	9" EZ-1	N/A	6 1/2	1.00	60SS	Hago		100	EZ-1	0.85/1.00	1.00
CL140	EZ-1	9" EZ-1	N/A	6 1/2	1.25	60SS	Hago		100	EZ-1	1.10/1.25	1.25
CL84S	EZ-1	9" EZ-1	N/A	6 1/2	0.75	60A	Delavan		100	EZ-1	0.75	0.75
CL95S	EZ-1	9" EZ-1	N/A	6 1/2	0.85	60A	Delavan		100	EZ-1	0.85/1.00	0.85
CL112S	EZ-1	9" EZ-1	N/A	6 1/2	1.00	60A	Delavan		100	EZ-1	0.85/1.00	1.00
FD95A	EZ-1	7" EZ-1	N/A	4 1/2	1.00	60SS	Hago		100	EZ-1	0.85/1.00	1.00
FD110A	EZ-1	7" EZ-1	N/A	4 1/2	1.10	60SS	Hago		100	EZ-1	1.10/1.25	1.10
FD125A	EZ-1	7" EZ-1	N/A	4 1/2	1.35	60SS	Hago		100	EZ-1	1.35/1.50	1.35
FD175A	EZ-1	7" EZ-1	N/A	4 1/2	1.50	60SS	Hago		100	EZ-1	1.35/1.50	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	0.85	60SS	Hago		100	EZ-1	0.85/1.00	0.85
SP112	EZ-1	7" EZ-1	N/A	5 3/4	1.00	60SS	Hago		100	EZ-1	0.85/1.00	1.00
LM-70	EZ-1	5" EZ-1	N/A	2 5/8	0.50	60W	Delavan		150	EZ-1	0.50	0.50
LM-100	EZ-1	5" EZ-1	N/A	2 5/8	0.75	45B	Delavan		150	EZ-1	0.75	0.75
RCG30	32WH	7" STD	N/A	5 7/8	0.75	60H	Hago		100	blank	0	45%
RCG50	32WH	7" STD	N/A	5 7/8	1.20	60SS	Hago		100	blank	4	70%
320CF	32WH	7" STD	N/A	5	0.65	60H	Hago		100	blank	0	35%
FG3016	32WH	7" STD	N/A	5 7/8	0.75	60H	Hago		100	blank	0	45%
FG5018	32WH	7" STD	N/A	5 7/8	1.20	60SS	Hago		100	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%

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Ford Products cont'd

WOL140	100CRD	9" STD	N/A	6 3/4	1.25	60SS	Hago		100	blank	5	90%
WOL185	100CRD	9" STD	N/A	6 3/4	1.65	60SS	Hago		100	blank	6	100%
WOL224	100CRD	9" STD	N/A	6 3/4	2.00	60SS	Hago		100	open	7	100%
WOS-112	100CRD	9" STD	N/A	6 3/4	1.00	60SS	Hago		100	blank	4	50%
WOH/WOL84	100CRD	4" STD	N/A	3 5/8	0.75	60H	Hago		100	blank	4	30%
WOH95	100CRD	4" STD	N/A	3 5/8	0.85	60H	Hago		100	blank	4	40%
WOH/WOL112	100CRD	4" STD	N/A	3 5/8	1.00	60SS	Hago		100	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%
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	7" EZ-1	99843	3 3/4	0.60	60B	Delavan	60S	Steinen	150	blank	1	55%
P4-DV	EZ-1 Select	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	60S	Steinen	150	blank	2	63%
P5-DV	EZ-1 Select	7" EZ-1	99843	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	Danfoss	150	blank	0.60/0.65	0.60
P4	EZ-1HP	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	60W	Delavan	150	blank	0.85/1.00	0.85
P5	EZ-1HP	7" EZ-1	99843	3 3/4	1.00	60B	Delavan	60B	Delavan	150	blank	0.85/1.00	1.00
P6	EZ-1HP	7" EZ-1	99843	3 3/4	1.25	45B	Delavan	60B	Delavan	150	blank	1.10/1.25	1.25

### 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	0.50
					0.60	60A	Delavan	60ES	Hago	150	blank	0.60/0.65	0.55
					0.85	60A	Delavan	60ES	Hago	150	blank	0.85/1.00	0.75
AO-4	EZ-1HP	5" EZ-1	51005	2 1/4	1.00	60A	Delavan	60ES	Hago	150	blank	0.85/1.00	0.85
					1.25	60A	Delavan	60B	Hago	150	blank	1.10/1.25	1.15
AO-5	EZ-2HP	5" EZ-2	51036	2 1/4	1.50	60A	Delavan	60ES	Hago	150	EZ-2	1.50	1.75
					1.65	60A	Delavan	60ES	Hago	150	EZ-2	1.65/1.75	1.95

### 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	0.57
					0.65	60A	Delavan	60W	Delavan	100	blank	0.60/0.65	0.57
					0.75	60A	Delavan	60W	Delavan	100	blank	0.75	0.75
OG50	EZ-1	7" EZ-1	98323	4 3/4	0.70	60A	Delavan	60W	Delavan	100	blank	0.60/0.65	0.75
					0.75	60A	Delavan	60W	Delavan	100	blank	0.75	0.70
					0.85	60A	Delavan	60W	Delavan	100	blank	0.85/1.00	0.75

### Granby Industries

CB3	EZ-LF Select <sup>1</sup>	7" · 12D	50887	3	0.55	70B	Delavan			150	blank	2	40% <sup>3</sup>
CB4	EZ-LF Select <sup>1</sup>	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%

<sup>1</sup> Burner equipped with a 36 hole blender

<sup>3</sup> Single slot air band

CB-5 and CB-6 burners are equipped with a 2-step pump with 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 Position	Air Setting
					Size	Type	Mfr					

### Granby Industries cont'd

CB3(DV)	EZ-LF Select <sup>1</sup>	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 <sup>1</sup>	7" EZ-1 <sup>2</sup>	51568	3	0.50	70A	Delavan	60W Delavan	125	blank	0	25% <sup>3</sup>
KHM-078	EZ-LF Select <sup>1</sup>	7" EZ-1 <sup>2</sup>	51568	3	0.50	60B	Delavan	60A Delavan	170	blank	0	45% <sup>3</sup>
KHM-090	EZ-LF Select <sup>1</sup>	7" EZ-1 <sup>2</sup>	51568	3	0.60	60B	Delavan	70B Delavan	150	blank	0	60% <sup>3</sup>
KHM-102	EZ-LF Select <sup>1</sup>	7" EZ-1	99284	2 1/2	0.65	70W	Delavan	70AS Danfoss	170	blank	1	40%
KHM-119	EZ-LF Select <sup>1</sup>	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	70AS Danfoss	140	blank	3	60%
KHM-132	EZ-LF Select <sup>1</sup>	7" EZ-1	99284	2 1/2	0.90	70A	Delavan		150	blank	3	70%
KLF-066	EZ-LF Select <sup>1</sup>	7" EZ-1 <sup>2</sup>	51568	3	0.50	60A	Delavan		125	blank	0	25% <sup>3</sup>
KLF-078	EZ-LF Select <sup>1</sup>	7" EZ-1 <sup>2</sup>	51568	3	0.50	60B	Delavan	60W Delavan	170	blank	0	60% <sup>3</sup>
KLF-090	EZ-LF Select <sup>1</sup>	7" EZ-1 <sup>2</sup>	51568	3	0.60	70B	Delavan	70A Delavan	150	blank	0	70% <sup>3</sup>
KLF-102	EZ-LF Select <sup>1</sup>	7" EZ-1	99284	2 1/2	0.65	70W	Delavan	70AS Danfoss	170	blank	1	60%
KLF-119	EZ-LF Select <sup>1</sup>	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	70AS Danfoss	140	blank	3	45%
KLF-132	EZ-LF Select <sup>1</sup>	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	45A Delavan	170	blank	3	80%
KLR-066	EZ-LF Select <sup>1</sup>	7" EZ-1 <sup>2</sup>	51568	3	0.50	70A	Delavan	60W Delavan	125	blank	0	25% <sup>3</sup>
KLR-078	EZ-LF Select <sup>1</sup>	7" EZ-1 <sup>2</sup>	51568	3	0.50	60B	Delavan	60W Delavan	170	blank	0	45% <sup>3</sup>
KLR-090	EZ-LF Select <sup>1</sup>	7" EZ-1 <sup>2</sup>	51568	3	0.60	60B	Delavan	70AS Danfoss	150	blank	0	60% <sup>3</sup>
KLR-102	EZ-LF Select <sup>1</sup>	7" EZ-1	99284	2 1/2	0.65	70W	Delavan	70AS Danfoss	170	blank	1	40%
KLR-119	EZ-LF Select <sup>1</sup>	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	70AS Danfoss	140	blank	3	60%
KLR-132	EZ-LF Select <sup>1</sup>	7" EZ-1	99284	2 1/2	0.85	70B	Delavan	45A Delavan	170	blank	3	70%

<sup>1</sup> Burner equipped with a 36 hole blender  
<sup>2</sup> Air tube has stainless steel extension  
<sup>3</sup> Single slot air band

### Grimsby Stove & Furnace

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

<sup>1</sup> Use 60SS Hago for all inputs (alternate nozzle 60ES Hago).  
<sup>2</sup> 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	0.65
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	0.85
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	1.00
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	1.10

### Hearthstone Hydronics

H3	EZ-1HP	5" EZ-1	97847	3	0.50	60A	Delavan	60W Delavan	150	blank	0.50	0.50
H4	EZ-1HP	5" EZ-1	97847	3	0.65	70B	Delavan	60W Delavan	150	blank	0.60/0.65	0.65
H5	EZ-1HP	5" EZ-1	97847	3	0.85	60B	Delavan	70B Delavan	150	blank	0.85/1.00	0.85
H6	EZ-1HP	5" EZ-1	97847	3	1.00	70B	Delavan	70B Hago	150	blank	0.85/1.00	1.00
H7	EZ-1HP	5" EZ-1	97847	3	1.25	60B	Delavan	60B Hago	150	blank	1.10/1.25	1.25

### 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	0.60
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	0.85
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	1.00
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	1.25
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%
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%

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### John Wood Water Heater

JW6 F307 400	EZ-1	7" EZ-1	96706	4 3/4	0.65	60A	Delavan	60W	Delavan	100	blank	0.60/0.65	0.60
					0.75	60A	Delavan	60W	Delavan	100	blank	0.75	0.75
JW6F307V 400	EZ-1HP	7" EZ-1	96706	4 3/4	0.50	60B	Delavan			150	blank	0.50	0.52
JW6 F507 400	EZ-1	7" EZ-1	97928	5 3/4	0.75	60A	Delavan	60W	Delavan	100	blank	0.75	0.75
JW6 F317RF 400	EZ-1	9" EZ-1	96707	7	0.75	60A	Delavan	60AH	Danfoss	100	blank	0.75	0.75
JW6 F517RF 400	EZ-1	9" EZ-1	96707	7	0.85	60A	Delavan	70A	Delavan	100	blank	0.85/1.00	0.85
JW307	EZ-1	7" EZ-1	96706	4 3/4	0.75	60A	Delavan	60H	Hago	100	EZ-1	0.75	0.75
JW307V	EZ-1HP	7" EZ-1	96706	4 3/4	0.50	60B	Hago	60A	Delavan	150	EZ-1	0.50	0.50
JW507	EZ-1	7" EZ-1	97920	5 3/4	1.00	60A	Delavan	60H	Hago	100	EZ-1	0.85/1.00	1.00
JW707	EZ-1	9" EZ-1	97929	7 3/4	1.00	60A	Delavan	60H	Hago	100	EZ-1	0.85/1.00	1.00
JW317/327	EZ-1	9" EZ-1	96707	7	0.75	60A	Delavan	60H	Hago	100	EZ-1	0.75	0.75
JW517/527	EZ-1	9" EZ-1	96707	7	0.85	60A	Delavan	60H	Hago	100	EZ-1	0.85/1.00	0.85
JW717/727	EZ-1	9" EZ-1	96707	7	1.00	60A	Delavan	60H	Hago	100	EZ-1	0.85/1.00	1.00
JWF307	EZ-1	7" EZ-1	96706	4 3/4	0.65	60A	Delavan	60H	Hago	100	EZ-1	0.60/0.65	0.75
JWF507	EZ-1	7" EZ-1	97928	5 3/4	0.75	60A	Delavan	60H	Hago	100	EZ-1	0.75	0.75
JWF 657	EZ-1	9" EZ-1	97929	7 3/4	1.00	60A	Delavan	60H	Hago	100	blank	0.85/1.00	1.25
JW307	100CRD	7" STD	97393	4 3/4	0.75	60A	Delavan			100	blank	0-2	45%
JW507	100CRD	7" STD	97394	5 3/4	1.00	60A	Delavan			100	blank	2-4	80%
JW707	100CRD	9" STD	97395	7 3/4	1.00	60A	Delavan			100	blank	2-4	80%
JW317/327	100CRD	9" STD	97396	7	0.75	60A	Delavan			100	blank	0-2	45%
JW517/527	100CRD	9" STD	97396	7	0.85	60A	Delavan			100	blank	2-4	60%
JW717/727	100CRD	9" STD	97396	7	1.25	60A	Delavan			100	blank	4-6	90%

### Kerr Heating Products

K4F	EZ-1HPV <sup>1</sup>	5" EZ-1	98018	1 1/2	0.40	60W	Delavan	60AH	Danfoss	150	EZ-1	0.50	0.50
					0.50	60W	Delavan	60AH	Danfoss	150	EZ-1	0.60/0.65	0.60
					0.60	60W	Delavan	60AH	Danfoss	150	EZ-1	0.75	0.75
<sup>1</sup> Burner is equipped with an extended air inlet ring.													
Comet 145 <sup>2</sup>	EZ-1HP	7" EZ-1	98019	5	0.65	60W	Delavan	60AH	Danfoss	140	EZ-1	0.60/0.65	0.75
					0.75	60W	Delavan	60AH	Danfoss	140	EZ-1	0.75	0.85
					0.85	60W	Delavan	60AH	Danfoss	140	EZ-1	0.85/1.00	1.00
					1.00	60W	Delavan	60AH	Danfoss	140	EZ-1	0.85/1.00	1.25
<sup>2</sup> 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	0.75
					0.85	60A	Delavan	60B	Delavan	150	EZ-1	0.75	0.85
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%
F100-30	EZ-1HP	5" EZ-1	98023	3 1/2	0.50	60B	Delavan			150	EZ-1	0.50	0.50
F100-35	EZ-1HP	5" EZ-1	98023	3 1/2	0.75	60B	Delavan			150	EZ-1	0.75	0.75
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

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%
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					

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### King/ National cont'd

TDM150	801CRD	12"	N/A	N/A	LF 6.50 HF 4.50	60SS 60SS	Hago Hago		150	--	3/16	1/2
TDM175	801CRD	12"	N/A	N/A	LF 7.00 HF 5.00	60SS 60SS	Hago Hago		150	--	5/16	1
TDM200	801CRD	12"	N/A	N/A	LF 9.00 HF 5.50	60SS 60SS	Hago Hago		150	--	3/4	1

### 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	0.60
JF-90	EZ-1HP	5" EZ-1	91868	3 3/4	0.75	60ES	Hago		150	EZ-1	0.75	0.75
JF-125	EZ-1HP	5" EZ-1	91868	3 3/4	1.00	60ES	Hago		150	EZ-1	0.85/1.00	1.00
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	0.65
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	0.85
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	1.00
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	1.25
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	1.35
<sup>1</sup> MAX uses a 40200 control. DMAX uses a 60200 15/120 control.												
DBC-85	EZ-1	5" EZ-1	N/A	2 5/8	0.75	60A	Delavan	60ES Hago	100	EZ-1	0.75	0.75
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	0.85
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	1.00
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	1.10
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	1.25
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	1.35
DBC-175	EZ-2	5" EZ-2/3	90860	3 3/4	1.50	60A	Delavan	60ES Hago	100	EZ-2	1.50	1.50
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	1.75
DBC-230	EZ-2	5" EZ-2/3	90860	3 3/4	2.00	60A	Delavan	60ES Hago	100	EZ-2	2.00	2.00
DBC-85	100CRD	5" STD	N/A	3 3/4	0.75	60A	Delavan		100	blank	1	45%
DBC-100	100CRD	5" STD	N/A	3 3/4	0.85	60A	Delavan		100	blank	1	50%
DBC-115	100CRD	5" STD	N/A	3 3/4	1.00	60A	Delavan		100	blank	3	70%
DBC-125	100CRD	5" STD	N/A	3 3/4	1.10	60A	Delavan		100	blank	3	80%
DBC-140	100CRD	5" STD	N/A	3 3/4	1.25	60A	Delavan		100	blank	4	100%
DBC-155	100CRD	5" STD	N/A	3 3/4	1.35	60A	Delavan		100	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	0.60
NP-85	EZ-1HP	5" EZ-1	98246	2 3/4	0.70	60A	Delavan	60W Delavan	150	EZ-1	0.60/0.65	0.70
NP-100	EZ-1HP	5" EZ-1	98246	2 3/4	0.85	60A	Delavan	60W Delavan	150	EZ-1	0.85/1.00	0.85
NP-110	EZ-1HP	5" EZ-1	98246	2 3/4	0.90	60A	Delavan	60W Delavan	150	EZ-1	0.85/1.00	0.90
NP-125	EZ-1HP	5" EZ-1	98246	2 3/4	1.00	60A	Delavan	60W Delavan	150	EZ-1	0.85/1.00	1.00
NP-135	EZ-1HP	5" EZ-1	98246	2 3/4	1.10	60B	Delavan	60W Delavan	150	EZ-1	1.10/1.25	1.10
NP-150	EZ-1HP	5" EZ-1	98246	2 3/4	1.25	60B	Delavan	60W Delavan	150	EZ-1	1.10/1.25	1.25
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
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### Neca

B-4	EZ-1HP	5" EZ-1	97847	3	0.65	70B	Delavan	70A Delavan	150	EZ-1	0.60/0.65	0.65
B-5	EZ-1HP	5" EZ-1	97847	3	0.85	60A	Delavan		150	EZ-1	0.85/1.00	0.85
B-6	EZ-1HP	5" EZ-1	97847	3	1.00	60B	Delavan		150	EZ-1	0.85/1.00	1.00

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Neca cont'd

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

<sup>1</sup> Single slot air band.

### Newmac

LFR	EZ-1HP	7" EZ-1	9084502	2	0.60	60A	Delavan			150	EZ-1	0.60/0.65	0.60
LFR-87V	EZ-1HP	7" EZ-1	9084502	2	0.60	60A	Delavan			150	Air Boot	0.60/0.65	See Note <sup>1</sup>
NBR	EZ-1HP	7" EZ-1	9786102	3 1/4	0.85	60W	Delavan			150	EZ-1	0.85/1.00	0.85
NBR-137V	EZ-1HP	7" EZ-1	9786102	3 1/4	0.85	60W	Delavan			150	Air Boot	0.85/1.00	See Note <sup>1</sup>
<sup>1</sup> Set burner for 11 to 11 1/2% CO <sub>2</sub> .													
NH3	EZ-1	7" EZ-1	98384	5	0.85	70A	Delavan			100	EZ-1	0.85/1.00	0.85
NL2	EZ-1	9" EZ-1	9830101	6 7/8	0.85	70A	Delavan			100	EZ-1	0.85/1.00	0.85
NV2	EZ-1	9" EZ-1	9830101	6 7/8	0.85	70A	Delavan			100	Air Boot	0.85/1.00	See Note <sup>1</sup>
NL3	EZ-1	9" EZ-1	9830201	7 7/8	1.25	70A	Delavan			100	EZ-1	1.10/1.25	1.25
NV3	EZ-1	9" EZ-1	9830201	7 7/8	1.25	70A	Delavan			100	Air Boot	1.10/1.25	See Note <sup>1</sup>
NLF, NMR	EZ-1	9" EZ-1	9830201	7 7/8	0.85	70A	Delavan			100	EZ-1	0.85/1.00	0.85

<sup>1</sup> Set burner for 11 to 11 1/2% CO<sub>2</sub>.

### New Yorker Boiler

AP-490U	EZ-1HP	5" EZ-1	98018	1 1/2	0.60	45W	Delavan	60A	Delavan	150	blank	0.50	0.55
AP-590U	EZ-1HP	5" EZ-1	98018	1 1/2	0.85	60W	Delavan	60W	Delavan	150	blank	0.85/1.00	0.75
AP-690U	EZ-1HP	5" EZ-1	98018	1 1/2	0.90	60A	Delavan	60W	Delavan	150	blank	0.85/1.00	0.70
AP-790U	EZ-1HP	5" EZ-1	98018	1 1/2	1.10	60B	Delavan	60W	Delavan	150	blank	1.10/1.25	1.10
CI-HGS72	EZ-LF <sup>1</sup>	7" - 12D	50989	2 5/8	0.50	60AS	Danfoss	60B	Hago	150	blank	1	20%
CI-HGS101	EZ-LF <sup>1</sup>	7" - 12D	50989	2 5/8	0.65	60A	Delavan	60B	Delavan	150	blank	0.75	70%
CI-HGS127	EZ-66	7" CW	50990	2 5/8	0.85	45AS	Danfoss	45B	Hago	150	blank	0-2	40%
CI-HGS163	EZ-66	7" CW	50990	2 5/8	1.10	45B	Delavan	45B	Hago	150	blank	2-4	50%
<sup>1</sup> Burner requires a 28 hole blender on access cover													
CL3-105E	EZ-1HP	5" EZ-1	51005	2 1/4	0.60	60A	Delavan			150	blank	0.60/0.65	0.60
CL4-168E	EZ-1HP	5" EZ-1	51005	2 1/4	1.00	60A	Delavan			150	blank	0.85/1.00	1.00-1.10
CL5-245E	EZ-2HP	5" EZ-2	51036	2 1/4	1.50	60A	Delavan			150	EZ-2	1.50	1.75
CL3-091	EZ-1HP	5" EZ-1	84889	2 1/4	0.55	70B	Delavan	60ES	Hago	150	blank	0.50	0.55
CL3-105	EZ-1HP	5" EZ-1	84889	2 1/4	0.60	60A	Delavan	60ES	Hago	150	blank	0.60/0.65	0.60
CL3-140	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60A	Delavan	60ES	Hago	150	blank	.85/1.00	0.75
CL4-126	EZ-1HP	5" EZ-1	84889	2 1/4	0.75	60A	Delavan	60ES	Hago	150	blank	0.75	0.75
CL4-175	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60A	Delavan	60ES	Hago	150	blank	0.85/1.00	1.00
CL4-210	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60A	Delavan	60B	Hago	150	blank	1.10/1.25	1.25
CL5-168	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Delavan	60ES	Hago	150	blank	0.85/1.00	0.90
CL5-245	EZ-2HP	5" EZ-2	85928	2 1/4	1.50	60A	Delavan	60ES	Hago	150	EZ-2	1.50	1.75
CL-3	EZ-1HP	5" EZ-1	84889	2 1/4	0.85	60B	Hago			150	blank	0.85/1.00	0.75
CL-4	EZ-1HP	5" EZ-1	84889	2 1/4	1.25	60B	Hago			150	blank	1.10/1.25	1.25
CL-5	EZ-1HP	5" EZ-1	84889	2 1/4	1.00	60B	Hago			150	blank	.85/1.00	0.90
CL-5	EZ-2HP	5" EZ-2/3	85928	2 1/4	1.50	60A	Delavan			150	EZ-2	1.50	1.75
CL-6	EZ-2HP	5" EZ-2/3	99057	2 1/4	1.50	45AB	Danfoss			150	EZ-2	2.00	1.45
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%

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting	
					Size	Type	Mfr						
<b>New Yorker Boiler cont'd</b>													
CLW-3-S	EZ-1HP	5" EZ-1	99056	1 7/8	0.60	60AB	Danfoss	70W	Delavan	150	blank	0.60/0.65	0.70
CLW-3-W	EZ-1HP	5" EZ-1	99056	1 7/8	0.85	60AB	Danfoss	60W	Delavan	150	blank	0.85/1.00	1.00
CLW-4-S	EZ-1HP	5" EZ-1	99056	1 7/8	0.85	45AB	Danfoss	60W	Delavan	150	blank	0.85/1.00	0.95
CLW-4-W	EZ-1HP	5" EZ-1	99056	1 7/8	1.10	45B	Hago	60W	Delavan	150	blank	1.10/1.25	1.20
CLW-5-S	EZ-1HP	5" EZ-1	99056	1 7/8	1.00	45AB	Danfoss	60W	Delavan	150	blank	0.85/1.00	0.95
CLW-5-W	EZ-1HP	5" EZ-1	99056	1 7/8	1.35	60A	Delavan	60A	Delavan	150	blank	1.35/1.50	0.90
CLW-6-S	EZ-2HP	5" EZ-2/3	99057	1 7/8	1.25	45AB	Danfoss	70A	Delavan	150	EZ-2	1.50	1.50
CLW-6-W	EZ-2HP	5" EZ-2/3	99057	1 7/8	1.65	45B	Hago	60W	Delavan	150	EZ-2	2.00	1.75
FR-HGSI	EZ-1HP	5" EZ-1	98853	1 1/2	0.65	70AS	Danfoss	70A	Delavan	140	blank	0.60/0.65	0.80
					0.85	70A	Delavan	70AS	Danfoss	140	blank	0.85/1.00	0.85
FR-HGSII	EZ-1HP	5" EZ-1	98853	1 1/2	1.10	70AS	Danfoss	70B	Delavan	140	blank	1.10/1.25	1.05
FR-98	EZ-1HP	5" EZ-1	98853	1 1/2	0.75	70B	Hago	70B	Delavan	140	blank	0.60/0.65	0.75
FR-98-DV	EZ-1HP	5" EZ-1	98853	1 1/2	0.75	70B	Hago	70B	Delavan	140	Air Boot	0.75	0.90
FR-122	EZ-1HP	5" EZ-1	98853	1 1/2	0.90	70B	Delavan	70W	Delavan	140	blank	0.75	0.85
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	0.90
FR-147	EZ-1HP	5" EZ-1	98853	1 1/2	1.00	70B	Delavan	70B	Hago	140	blank	0.85/1.00	0.90
FR-173	EZ-1HP	5" EZ-1	98853	1 1/2	1.25	70B	Delavan	70B	Hago	140	blank	1.10/1.25	1.35
FR-205	EZ-2HP	5" EZ-2/3	98853	1 1/2	1.50	70B	Delavan	70B	Hago	140	EZ-2	1.50	1.82
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	2.00
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%
FD252	201CRD	9"	48801	4	2.50	60B	Delavan			100	--	1/4	20%
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%
<b>Northern Torino</b>													
	EZ-1HP	5" EZ-1	97812	3 1/4	0.60	60A	Delavan			150	EZ-1	0.60/0.65	0.60
<b>Northland Boiler</b>													
DF620	EZ-1	5" EZ-1	N/A	MIN.	1.00	60SS	Hago	60A	Delavan	100	EZ-1	0.85/1.00	1.00
DF790	EZ-1	5" EZ-1	N/A	MIN.	1.20	60SS	Hago	60A	Delavan	100	EZ-1	1.10/1.25	1.25
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%
<b>Olsen Furnace</b>													
BCL 80S	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60W	Delavan	100	blank	0.60/0.65	0.40
BCL 90S	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60W	Delavan	100	blank	0.75	0.55
BCL 100S	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60W	Delavan	100	blank	0.85/1.00	0.70
BCL 120S	EZ-1	7" EZ-1	9888401	6 1/2	1.00	60A	Delavan	60W	Delavan	100	blank	0.85/1.00	0.75
BCL 130S	EZ-1	7" EZ-1	9888401	6 1/2	1.10	60A	Delavan	60W	Delavan	100	blank	1.10/1.25	0.90
BCL 145S	EZ-1	7" EZ-1	9888401	6 1/2	1.20	60A	Delavan	60W	Delavan	100	blank	1.10/1.25	1.15
BML-60	EZ-1	7" EZ-1	9888401	6 1/2	0.50	60A	Delavan	60W	Delavan	100	blank	0.50	0.30

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Olsen Furnace cont'd

BML-80	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60W	Delavan	100	blank	0.60/0.65	0.50
BML-90	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60W	Delavan	100	blank	0.75	0.60
BML-100	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60W	Delavan	100	blank	0.85/1.00	0.75
HML-60B	EZ-1	7" EZ-1	9888401	6 1/2	0.50	60A	Delavan	60H DFN	Hago	100	blank	0.50	0.30
HML-80B	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60H DFN	Hago	100	blank	0.60/0.65	0.50
HML-90B	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60H DFN	Hago	100	blank	0.75	0.60
HML-100B	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60H DFN	Hago	100	blank	0.85/1.00	0.80
LRF65C	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A	Delavan	125	blank	0.60/0.65	35%
LRF80C	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A	Delavan	170	blank	0.60/0.65	65%
LRF90C	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A	Delavan	135	blank	0.75	45%
LRF100C	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A	Delavan	170	blank	0.85/1.00	45%
MPL-90	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60H	Hago	100	blank	0.75	0.55
MPL-100	EZ-1	7" EZ-1	9888401	6 1/2	0.85	60A	Delavan	60H	Hago	100	blank	0.85/1.00	0.75
MPL-120	EZ-1	7" EZ-1	9888401	6 1/2	1.00	60A	Delavan	60H	Hago	100	blank	0.85/1.00	0.85
MPL-130	EZ-1	7" EZ-1	9888401	6 1/2	1.10	60A	Delavan	60H	Hago	100	blank	1.10/1.25	0.95
WML-60	EZ-1	7" EZ-1	9888401	6 1/2	0.50	60A	Delavan	60H DFN	Hago	100	blank	0.50	0.40
WML-80	EZ-1	7" EZ-1	9888401	6 1/2	0.65	60A	Delavan	60H DFN	Hago	100	blank	0.60/0.65	0.55
WML-90	EZ-1	7" EZ-1	9888401	6 1/2	0.75	60A	Delavan	60H DFN	Hago	100	blank	0.75	0.75
¹ For direct vent models: match air setting to nozzle size, then adjust for 11 ½% CO₂.													
UML65AC	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A	Delavan	125	blank	0.60/0.65	35%
UML80AC	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A	Delavan	170	blank	0.60/0.65	65%
UML90AC	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A	Delavan	135	blank	0.75	45%
UML100AC	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A	Delavan	170	blank	0.85/1.00	45%
UML65ACU	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A	Delavan	125	blank	0.60/0.65	40%
UML80ACU	EZ-LF	7" 12D	51141	3	0.50	70B	Delavan	70A	Delavan	170	blank	0.60/0.65	60%
UML90ACU	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A	Delavan	135	blank	0.75	40%
UML100ACU	EZ-LF	7" 12D	51141	3	0.65	70B	Delavan	70A	Delavan	170	blank	0.85/1.00	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	0.60
WBV-03-110	EZ-1HP	7" EZ-1	97817	2 1/2	0.85	70A	Delavan	70W	Delavan	150	blank	0.85/1.00	0.65
WBV-04-095	EZ-1HP	7" EZ-1	97817	2 1/2	0.75	70A	Delavan	70H	Hago	150	blank	0.75	0.60
WBV-04-125	EZ-1HP	7" EZ-1	97817	2 1/2	1.00	70A	Delavan	70B	Delavan	150	blank	0.85/1.00	0.85
WBV-04-150	EZ-1HP	7" EZ-1	97817	2 1/2	1.25	60B	Delavan	60B	Hago	150	blank	1.10/1.25	1.00
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	0.60
WV-DV-03	EZ-1HP	5" EZ-1	93203	2 1/2	0.65	70A	Delavan	70AS	Danfoss	150	Air Boot	0.75	0.75
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	1.00
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	1.00
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	1.25
EC/ECT-03-075	EZ-1HP	7" EZ-1	97817	2 1/2	0.60	70B	Delavan			150	blank	0.60/0.65	0.55
EC/ECT-03-100	EZ-1HP	7" EZ-1	97817	2 1/2	0.85	70A	Delavan			150	blank	0.85/1.00	0.65
EC/ECT-03-120	EZ-1HP	7" EZ-1	97817	2 1/2	1.00	70A	Delavan			150	blank	0.85/1.00	0.80
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%



## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					
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	60PL	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 HF 4.00	45H 45H	Hago Hago		150	--	5/8	1/4
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
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 <sup>3</sup>	5 5/8	LF 10.00 2H 5.00	45SS 45SS	Hago Hago		100	--	7/8	3/8
LCE-16	1050FFD	STD 4" SP	48462 <sup>3</sup>	5 5/8	LF 10.00 2H 5.50	45SS 45SS	Hago Hago		100	--	1	3/8
LCE-17	1150FFD	STD 4" SP	48512 <sup>2</sup>	6	LF 11.00 2H 5.50	45SS 45SS	Hago Hago		100	--	1/8	3/8
LCE-18	1150FFD	STD 4" SP	48512 <sup>2</sup>	6	LF 12.00 2H 6.00	45SS 45SS	Hago Hago		100	--	1/4	3/8
LCE-19	1150FFD	STD 4" SP	48512 <sup>2</sup>	6	LF 12.00 2H 6.50	45SS 45SS	Hago Hago		100	--	3/8	3/8
LCE-20	1150FFD	STD 4" SP	48512 <sup>2</sup>	6	LF 13.00 2H 6.50	45SS 45SS	Hago Hago		100	--	1/2	1/2
LCE-21	1150FFD	STD 4" SP	48512 <sup>2</sup>	6	LF 13.00 2H 7.50	45SS 45SS	Hago Hago		100	--	5/8	7/16
LCE-22	1150FFD	STD 4" SP	48512 <sup>2</sup>	6	LF 13.00 2H 8.00	45SS 45SS	Hago Hago		100	--	3/4	3/8
LCE-23	1150FFD	STD 4" SP	48512 <sup>2</sup>	6	LF 14.00 2H 8.50	45SS 45SS	Hago Hago		100	--	1	3/8
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
TC-07	801CRD	10"	49429	4 3/4	(2) 6.00	45H	Hago		150	--	7/16	3/8

<sup>2</sup> For UV control packages use P/N 48520

<sup>3</sup> 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 Position	Air Setting
					Size	Type	Mfr					

### Peerless (PB Heat) cont'd

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

<sup>1</sup> Burner is a 1050FFD with an 1150FFD fan and motor.

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

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

### Pensotti

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

<sup>1</sup> Burner requires 36 hole blender on access cover.

### Polartherm Oy

Heat Wagon	99FRD	7" Std	99576	3.74	1.00	45H	Hago		140	blank	2	50%
	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%

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Powermatic, Inc. cont'd

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 HF 2.00	60H 60H	Hago Hago		150	--	1/16	0
CA/MA80	701CRD	10"	49205	4 1/4	LF 3.00 HF 2.25	60H 60H	Hago Hago		150	--	1/8	0
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 HF 5.00	60SS 60SS	Hago Hago		150	--	1 1/4	5/8
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 HF 8.00	60SS 60SS	Hago Hago		150	--	3/4	1/2
CA/MA175	1050FFD	STD 7" SP	N/A	8 5/8	LF 9.00 2H 3.00	45SS 45SS	Hago Hago		100	--	1/16	1
CA/MA200	1050FFD	STD 7" SP	N/A	8 5/8	LF 9.00 2H 4.00	45SS 45SS	Hago Hago		100	--	5/16	3/4
CA/MA400	1150FFD	STD 6" SP	N/A	8	LF 11.00 2H 12.00	45SS 45SS	Hago Hago		100	--	1 1/4	1/8

### Regal Furnace

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

### 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	25%
					0.60	60A	Delavan	60W Delavan	165	blank	0.60/0.65	45%
RSM1005	EZ-LF	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	0.60/0.65	0.65
					0.75	60A	Delavan		175	blank	0.75	0.75
					0.85	60A	Delavan		175	blank	0.85/1.00	0.85

### Rheem Manufacturing

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

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Rheem Manufacturing cont'd

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 HF 6.50	45H 45H	Hago Hago			150	--	3/8	3/8
MP-60	801CRD	10"	N/A	MIN.	LF 6.50 HF 8.50	45H 45H	Hago Hago			150	--	7/8	1/2
MP-70	1050FFD	STD 4" SP	N/A	MIN.	LF 9.00 2H 6.00	45SS 45SS	Hago Hago			100	--	13/16	1/2
MP-80	1150FFD	STD 4" SP	N/A	6	LF 12.00 2H 6.00	45SS 45SS	Hago Hago			100	--	0	5/8
MP-90	1150FFD	STD 4" SP	N/A	6	LF 12.00 2H 7.50	45SS 45SS	Hago Hago			100	--	1/4	5/8
MP-100	1150FFD	STD 4" SP	N/A	6	LF 12.00 2H 9.00	45SS 45SS	Hago Hago			100	--	11/16	7/16

### Ruud

ROCA/ROLA-070*04	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan			100	blank	0.60/0.65	0.60
					0.75	70A	Delavan			100	blank	0.75	0.75
					0.85	70A	Delavan			100	blank	0.85/1.00	0.85
ROCA/ROLA-115*05	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago			100	blank	0.85/1.00	1.00
					1.25	60SS	Hago			100	blank	1.10/1.25	1.25
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 <sup>2</sup>	EZ-1HP	7" EZ-1	99734	4 1/2	0.50	60W	Delavan			175	blank	0.50	0.55
					0.50	45A	Delavan			195	blank	0.60/0.65	0.55
EC-14	EZ-1HP	7" EZ-1	99734	4 1/2	0.65	60B	Delavan			150	blank	0.60/0.65	0.60
					0.75	60B	Delavan			145	blank	0.75	0.65
EC-15	EZ-1HP	7" EZ-1	99734	4 1/2	0.85	60B	Delavan			138	blank	0.85/1.00	0.75
					0.85	60B	Delavan			168	blank	0.85/1.00	0.85
EC-16	EZ-1HP	7" EZ-1	99734	4 1/2	0.85	60B	Delavan			185	blank	0.85/1.00	0.90
					1.00	60B	Delavan			155	blank	1.10/1.25	0.90
<sup>2</sup> 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	0.75
L-30	EZ-1HP	5" EZ-1	97379	1 3/4	0.85	70A	Delavan			165	EZ-1	0.75	0.90
L-40	EZ-2HP	5" EZ-2/3	97803	1 3/4	1.35	70A	Delavan			140	EZ-2	1.50	1.50
L20-P	99FRD	5" WS	71159	1 3/4	0.75	70A	Delavan			100	blank	1	45% <sup>1</sup>

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					
<b>Slant/ Fin cont'd</b>												
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% <sup>1</sup>
					1.25	60A	Delavan		100	blank	2	90% <sup>1</sup>
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	53%
LD-30	EZ-LF	5" 12D	50775	1 3/4	0.85	60A	Delavan		170	blank	0.75	69%
					1.00	70AS	Danfoss		160	blank	0.85/1.00	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%
LD-20	99FRD	5" WS	71159	1 3/4	0.75	70A	Delavan		100	blank	1.5	45-50% <sup>1</sup>
LD-30H	99FRD	5" WS	71159	1 3/4	1.00	60A	Delavan		100	blank	1.5	70-80% <sup>1</sup>
LD-30	99FRD	5" WS	71159	1 3/4	1.10	60A	Delavan		100	blank	2.5	80-90% <sup>1</sup>
					1.25	60A	Delavan		100	blank	2.5	90% <sup>1</sup>
LD-40H	99FRD	5" WS	71159	1 3/4	1.50	70B	Delavan		100	blank	3	50%
LD-40	99FRD	5" WS	71159	1 3/4	1.50	70W	Delavan		113	blank	4	60%
					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%
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%
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	25%
Q3-5	EZ-LF	7" 12D	50887	3	0.75	60B	Hago		175	blank	0.75	35%
TR-30H	EZ-LF	5" 12D	50775	1 3/4	0.75	60A	Delavan	70A Delavan	175	blank	0.75	53%
TR-30	EZ-LF	5" 12D	50775	1 3/4	0.85	60A	Delavan	60A Delavan	170	blank	0.75	69%
					1.00	70AS	Danfoss	70A Delavan	160	blank	0.85/1.00	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%
XL-30	EZ-1	5" EZ-1	97379	1 3/4	0.70	60B	Hago	60B Delavan	150	blank	0.75	0.65
					0.85	60B	Hago	60B Delavan	150	blank	0.85/1.00	0.95
					1.00	60B	Hago	60B Delavan	150	blank	0.85/1.00	1.00
XL-40	EZ-1	5" EZ-1	97379	1 3/4	1.00	60B	Hago	60B Delavan	150	blank	0.85/1.00	0.85
					1.10	60B	Hago	60B Delavan	150	blank	1.10/1.25	1.00
XL-20	99FRD	5" WS	71159	1 3/4	1.25	60B	Hago	60B Delavan	150	blank	1.10/1.25	1.25
					0.65	70A	Delavan		100	blank	0	50% <sup>1</sup>
XL-30	99FRD	5" WS	71159	1 3/4	1.00	70A	Delavan		100	blank	2	80% <sup>1</sup>
					0.85	70A	Delavan		130	blank	3	80% <sup>1</sup>
XL-40	99FRD	5" WS	71159	1 3/4	1.35	60W	Delavan		100	blank	4	65% <sup>1</sup>
					1.20	60W	Delavan		130	blank	4	65% <sup>1</sup>
XL-50	99FRD	5" WS	71159	1 3/4	1.75	60B	Delavan		105	open	4	20% <sup>1</sup>
					1.50	60B	Delavan		130	open	5	20% <sup>1</sup>

<sup>1</sup> 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 Position	Air Setting
					Size	Type	Mfr					
<b>Smith Cast-Iron Boilers</b>												
8-3	EZ-1HP	7" EZ-1	97958-01	2 1/4	0.65	70A	Delavan		150	EZ-1	0.60/0.65	0.65
8-4	EZ-1HP	7" EZ-1	97958-01	2 1/4	0.85	60B	Delavan		150	EZ-1	0.85/1.00	0.85
8-5	EZ-1HP	7" EZ-1	97958-01	2 1/4	1.10	60B	Delavan		150	EZ-1	1.10/1.25	1.10
8-3	99FRD	7" WS	9795701	2 1/4	0.75	60R	Monarch		100	blank	2	40% <sup>1</sup>
8-4	99FRD	7" WS	9795701	2 1/4	1.00	60R	Monarch		100	blank	3	70% <sup>1</sup>
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%
<sup>1</sup> 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	0.60
8HE-03-110	EZ-1HP	7" EZ-1	97817	2 1/2	0.85	70A	Delavan		150	blank	0.85/1.00	0.65
8HE-04-125	EZ-1HP	7" EZ-1	97817	2 1/2	1.00	70A	Delavan		150	blank	0.85/1.00	0.85
8HE-04-150	EZ-1HP	7" EZ-1	97817	2 1/2	1.25	60B	Delavan		150	blank	1.10/1.25	1.00
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	45PL 45PL	Monarch 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	60PL	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
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 HF 4.00	45H 45H	Hago Hago		150	--	5/8	1/4
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 HF 2.50	60H 60H	Hago Hago		150	--	3/8	1/4
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 HF 4.50	45H 45H	Hago Hago		150	--	3/16	1/4
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 HF 7.50	45H 45H	Hago Hago		150	--	3/4	1/2

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					
<b>Smith Cast-Iron Boilers cont'd</b>												
28A-9	1050FFD	STD 4" SP	48462	5 5/8	LF 9.00 2H 5.00	45SS 45SS	Hago Hago		100	--	9/16	5/8
28A-10	1050FFD	STD 4" SP	48470	5 5/8	LF 9.00 2H 6.50	45SS 45SS	Hago Hago		100	--	1	7/16
28A-11	1150FFD	STD 4" SP	48520	6	LF 12.00 2H 6.00	45SS 45SS	Hago Hago		100	--	0	5/8
28A-12	1150FFD	STD 4" SP	48520	6	LF 12.00 2H 7.00	45SS 45SS	Hago Hago		100	--	1/8	5/8
28A-13	1150FFD	STD 4" SP	48520	6	LF 12.00 2H 8.50	45SS 45SS	Hago Hago		100	--	9/16	1/2
28A-14	1150FFD	STD 4" SP	48520	6	LF 12.00 2H 9.00	45SS 45SS	Hago Hago		100	--	11/16	7/16
HE 28-4	702CRD	10"	93377 <sup>2</sup>	4 3/4	4.50	45P	Hago		100/300	--	7/16	5/8
HE 28-5	702CRD	10"	93377 <sup>2</sup>	4 3/4	5.50	45P	Hago		100/300	--	1 1/4	15/16
HE 28-6	801CRD	10"	49429 <sup>3</sup>	4 3/4	LF 5.50 HF 4.50	45H 45H	Hago Hago		150	--	1/2	11/16
HE 28-7	801CRD	10"	49429 <sup>3</sup>	4 3/4	LF 6.00 HF 5.50	45H 45H	Hago Hago		150	--	5/8	3/4
HE 28-8	801CRD	10"	49429 <sup>3</sup>	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 HF 4.50 HF 5.00	45SS 45SS 45SS	Hago Hago Hago		100	--	7/8	1/2
HE 28-10	1050FFD <sup>1</sup>	STD 4" SP	48470	5 5/8	LF 9.00 2H 6.00	45SS 45SS	Hago Hago		100	--	3/4	1/4
HE 28-11	1150FFD	STD 4" SP	48520	6"	LF 11.00 2H 6.00	45SS 45SS	Hago Hago		100	--	1/8	3/4
HE 28-12	1150FFD	STD 4" SP	48520	6"	LF 12.00 2H 6.50	45SS 45SS	Hago Hago		100	--	7/16	5/8
HE 28-13	1150FFD	STD 4" SP	48520	6"	LF 13.00 2H 7.00	45SS 45SS	Hago Hago		100	--	11/16	7/8
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

<sup>1</sup> Burner is a 1050FFD with and 1150FFD fan and motor.

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

<sup>3</sup> 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 Position	Air Setting
					Size	Type	Mfr					

### Smith Cast-Iron Boilers cont'd

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 2H 6.00	45SS 45SS	Hago Hago		100	--	5/8	3/8
3500A-11	1050FFD	STD 4" SP	48462	5 5/8	LF 10.00 2H 7.00	45SS 45SS	Hago Hago		100	--	1/4	1/2
3500A-12	1150FFD	STD 4" SP	48520	6	LF 12.00 2H 7.00	45SS 45SS	Hago Hago		100	--	15/16	5/8
3500A-13	1150FFD	STD 4" SP	48520	6	LF 14.00 2H 7.50	45SS 45SS	Hago Hago		100	--	1	3/4
3500A-14	1150FFD	STD 4" SP	48520	6	LF 14.00 2H 8.00	45SS 45SS	Hago Hago		100	--	1 1/8	3/4
BB14-3	100CRD	7" NH	47993	4 3/8	0.85	60R	Monarch		100	blank	1	50%
	100CRD	7" NH	47993	4 3/8	1.10	60R	Monarch		100	blank	1	100%
BB14-4	100CRD	7" NH	47993	4 3/8	1.35	60R	Monarch		100	blank	3	100%
	100CRD	7" NH	47993	4 3/8	1.65	60R	Monarch		100	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%
FD-12-3	100CRD	5" WS	N/A	2 1/4	0.75	60AR	Monarch		100	blank	2	15%
FD-12-4	100CRD	5" WS	N/A	2 1/4	1.00	60R	Monarch		100	blank	2	40%
FD-12-5	100CRD	5" WS	N/A	2 1/4	1.35	60R	Monarch		100	open	4	10%
FD-12-6	101CRD	5" NH	N/A	2 1/4	1.65	60R	Monarch		100	open	5	100%
FD-12-7	101CRD	5" NH	N/A	2 1/4	2.00	60R	Monarch		100	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	2	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	7" EZ-1	99843	3 3/4	0.60	60B	Delavan	60S Steinen	150	blank	1	55%
SL4100	EZ-1 Select	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	60S Steinen	150	blank	2	63%
SL5125	EZ-1 Select	7" EZ-1	99843	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	0.60
SL4100	EZ-1HP	7" EZ-1	99843	3 3/4	0.85	45B	Delavan	45W Delavan	150	blank	0.85/1.00	0.85
SL5125	EZ-1HP	7" EZ-1	99843	3 3/4	1.00	60B	Delavan	45B Delavan	150	blank	0.85/1.00	1.00
SL6150	EZ-1HP	7" EZ-1	99843	3 3/4	1.25	45B	Delavan	60B Delavan	150	blank	1.10/1.25	1.25
<b>SL6, SL7, and SL8 with EZ-66 burner use 2-step pump with 2 second time delay</b>												

### 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%
<b>SF5 and SF6 with EZ-66 burner use 2-step pump with 2 second time delay</b>												

### Solar Ray Systems

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



## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### 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	0.50	
					*	0.65	60A	Delavan	70W Delavan	140	blank	0.60/0.65	0.60
						0.75	60A	Delavan	70W Delavan	140	blank	0.75	0.65
						0.85	60A	Delavan	70W Delavan	140	blank	0.85/1.00	0.80
VHF-ACP/ VHF-ACT	EZ-1HP	5" EZ-1	51242	4 1/2	0.50	60A	Delavan	60W Delavan	120	blank	0.5	0.40	
					*	0.60	60A	Delavan	70W Delavan	120	blank	0.60/0.65	0.50
						0.75	60A	Delavan	70W Delavan	120	blank	0.75	0.70

\* Factory Settings

### Superior Boiler Co.

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

<sup>1</sup> 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	0.75	70A	Delavan		100	blank	0-2	50%
HTP50C	100CRD	7" STD	96544	6	1.00	70A	Delavan		100	blank	2-4	100%
HTP70C	100CRD	7" STD	96544	6	1.00	70A	Delavan		100	blank	2-4	100%
HTP30C <sup>1</sup>	EZ-1	7" EZ-1	96520	6	0.75	70A	Delavan		100	EZ-1	0.75	0.75
HTP50C <sup>1</sup>	EZ-1	7" EZ-1	96520	6	1.00	70A	Delavan		100	EZ-1	0.85/1.00	1.00
HTP70C	EZ-1	7" EZ-1	96520	6	1.00	70A	Delavan		100	EZ-1	0.85/1.00	1.00
SJ-30C	EZ-1	7" EZ-1	96520	6	0.65	70A	Delavan		100	EZ-1	0.60/0.65	0.65
SJ-30C <sup>1</sup>	EZ-1	7" EZ-1	96520	6	0.75	70A	Delavan		100	EZ-1	0.75	0.75
SJ-50C <sup>1</sup>	EZ-1	7" EZ-1	96520	6	1.00	70A	Delavan		100	EZ-1	0.85/1.00	1.00

<sup>1</sup> 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 2H 9.00	45SS	Hago		100	--	7/8	11/16

### Sure Comfort

ROCA/ROLA-070*04	EZ-1	7" EZ-1	98685	5 1/2	0.60	70A	Delavan		100	blank	0.60/0.65	0.60
					0.75	70A	Delavan		100	blank	0.75	0.75
					0.85	70A	Delavan		100	blank	0.85/1.00	0.85
ROCA/ROLA-115*05	EZ-1	9" EZ-1	98686	8	1.00	60SS	Hago		100	blank	0.85/1.00	1.00
					1.25	60SS	Hago		100	blank	1.10/1.25	1.25
ROCB-072*04	EZ-LF	9" 12D	50796	4 1/4	0.50	60A	Delavan	60W Delavan	165	blank	0.60/0.65	25%
					0.60	60A	Delavan	60W Delavan	165	blank	0.60/0.65	45%
ROCB-118*05M	EZ-LF	9" 12D	51211	5 1/4	0.65	60A	Delavan		175	blank	0.60/0.65	0.65
					0.75	60A	Delavan		175	blank	0.75	0.75
					0.85	60A	Delavan		175	blank	0.85/1.00	0.85

### Tekton Corporation

AR6	99FRD	5" WS	N/A	2 1/4	1.35	60A	Delavan		100	blank	4	50%
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### Therma-Flow/ Everhot

E30GL	EZ-1	9" EZ-1	96711	6 5/16	0.65	70A	Delavan	60A Delavan	100	blank	0.60/0.65	0.65
E50GL	EZ-1	9" EZ-1	96711	6 5/16	0.85	70A	Delavan	60A Delavan	100	blank	0.85/1.00	0.85
E70GL	EZ-1	9" EZ-1	96711	6 5/16	1.00	70A	Delavan		100	blank	0.85/1.00	1.00
E30C	EZ-1	9" EZ-1	96711	6 5/16	0.65	70A	Delavan		100	blank	0.60/0.65	0.65
S30GL	EZ-1	9" EZ-1	96711	6 5/16	0.65	60A	Delavan	70A Delavan	100	blank	0.60/0.65	0.65
S50GL	EZ-1	9" EZ-1	96711	6 5/16	0.85	60A	Delavan	70A Delavan	100	blank	0.85/1.00	0.85
S30GL-DV	EZ-1	9" EZ-1	96711	6 5/16	0.65	60A	Delavan		100	Air Boot	0.60/0.65	0.60
S50 GL-DV	EZ-1	9" EZ-1	96711	6 5/16	0.85	60A	Delavan		100	Air Boot	0.85/1.00	0.85
S30GL	100CRD	9" STD	96653	6 5/16	0.65	60A	Delavan		100	blank	1/2	40%
E50GL/E50C	100CRD	9" STD	96653	6 5/16	0.85	60A	Delavan		100	blank	2-3	60%
E70GL	100CRD	9" STD	96653	6 5/16	1.00	60A	Delavan		100	blank	3/4	80%

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Thermo-Dynamics Boiler Co.

CWL-85	EZ-1HP	5" EZ-1	96865 <sup>1</sup>	3	0.70	60W	Delavan		150	blank	0.75	0.65
CWL-90	EZ-1HP	5" EZ-1	96865 <sup>1</sup>	3	0.75	60W	Delavan		150	blank	0.75	0.75
CWL-100	EZ-1HP	5" EZ-1	96865 <sup>1</sup>	3	0.85	60W	Delavan		150	blank	0.85/1.00	0.85
CWL-110	EZ-1HP	5" EZ-1	96865 <sup>1</sup>	3	0.90	60W	Delavan		150	blank	0.85/1.00	0.90
CWL-85-DV	EZ-1HP	9" EZ-1	50371	3	0.70	60W	Delavan		150	blank	0.75	0.65
CWL-90-DV	EZ-1HP	9" EZ-1	50371	3	0.75	60W	Delavan		150	blank	0.75	0.75
CWL-100-DV	EZ-1HP	9" EZ-1	50371	3	0.85	60W	Delavan		150	blank	0.85/1.00	0.85
CWL-110-DV	EZ-1HP	9" EZ-1	50371	3	0.90	60W	Delavan		150	blank	0.85/1.00	1.00
<sup>1</sup> 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	0.60
LM-90	EZ-1HP	7" EZ-1	91711	3 3/4	0.75	60A	Delavan		140	blank	0.75	0.75
LM-100	EZ-1HP	7" EZ-1	91711	3 3/4	0.85	60A	Delavan		140	blank	0.85/1.00	0.85
LM-110	EZ-1HP	7" EZ-1	91711	3 3/4	0.90	60B	Delavan		140	blank	1.10/1.25	0.75
LM-125	EZ-1HP	7" EZ-1	91711	3 3/4	1.00	60B	Delavan		140	blank	1.10/1.25	1.25
LM-135	EZ-1HP	7" EZ-1	91711	3 3/4	1.10	60B	Delavan		140	blank	1.35/1.50	1.35
LM-150	EZ-1HP	7" EZ-1	91711	3 3/4	1.25	60B	Delavan		140	blank	1.10/1.25	1.25
LMD-75	EZ-1HP	9" EZ-1	50238	3 3/4	0.65	60A	Delavan		140	blank	0.75	0.50
LMD-90	EZ-1HP	9" EZ-1	50238	3 3/4	0.75	60A	Delavan		140	blank	0.75	0.75
LMD-100	EZ-1HP	9" EZ-1	50238	3 3/4	0.85	60A	Delavan		140	blank	0.85/1.00	0.85
LMD-110	EZ-1HP	9" EZ-1	50238	3 3/4	0.90	60B	Delavan		140	blank	1.10/1.25	0.75
LMD-125	EZ-1HP	9" EZ-1	50238	3 3/4	1.00	60B	Delavan		140	blank	1.10/1.25	1.25
HT-90	EZ-1HP	7" EZ-1	91711	3 3/4	0.75	60A	Delavan		140	blank	0.85/1.00	1.00
HT-100	EZ-1HP	7" EZ-1	91711	3 3/4	0.85	60A	Delavan		140	blank	0.85/1.00	1.00
HT-110	EZ-1HP	7" EZ-1	91711	3 3/4	0.90	60A	Delavan		140	blank	1.10/1.25	1.25
HT-125	EZ-1HP	7" EZ-1	91711	3 3/4	1.00	60A	Delavan		140	blank	1.10/1.25	1.25
HT-135	EZ-1HP	7" EZ-1	91711	3 3/4	1.10	60A	Delavan		140	blank	1.35/1.50	1.50
HT-150	EZ-1HP	7" EZ-1	91711	3 3/4	1.25	60A	Delavan		140	blank	1.35/1.50	1.50
HT-90-DV	EZ-1HP	7" EZ-1	91711	3 3/4	0.75	60A	Delavan		140	blank	0.85/1.00	1.00
HT-100-DV	EZ-1HP	7" EZ-1	91711	3 3/4	0.85	60A	Delavan		140	blank	0.85/1.00	1.00
HT-110-DV	EZ-1HP	7" EZ-1	91711	3 3/4	0.90	60A	Delavan		140	blank	1.10/1.25	1.25
HT-125-DV	EZ-1HP	7" EZ-1	91711	3 3/4	1.00	60B	Delavan		140	blank	1.10/1.25	1.25
S-85	EZ-1HP	5" EZ-1	91706	1 3/4	0.75	60A	Delavan		140	EZ-1	0.75	0.75
S-100	EZ-1HP	5" EZ-1	91706	1 3/4	0.85	60A	Delavan		140	EZ-1	0.85/1.00	0.85
S-110	EZ-1HP	5" EZ-1	91706	1 3/4	0.90	60A	Delavan		140	EZ-1	0.85/1.00	0.90
S-125	EZ-1HP	5" EZ-1	91706	1 3/4	1.00	60B	Delavan		140	EZ-1	0.85/1.00	1.00
S-135	EZ-1HP	5" EZ-1	91706	1 3/4	1.10	60B	Delavan		140	EZ-1	1.10/1.25	1.10
S-150	EZ-1HP	5" EZ-1	91706	1 3/4	1.25	60B	Delavan		140	EZ-1	1.10/1.25	1.25
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%
TDX 90	EZ-1HP	5" EZ-1	97379	1 3/4	0.75	60B	Delavan	45B Delavan	150	blank	0.75	0.75
TDX 100	EZ-1HP	5" EZ-1	97379	1 3/4	0.85	60B	Delavan	45W Delavan	150	blank	0.85/1.00	0.85
TDX 110	EZ-1HP	5" EZ-1	97379	1 3/4	0.90	60B	Delavan	60W Delavan	150	blank	0.85/1.00	0.85
TDX 125	EZ-1HP	5" EZ-1	97379	1 3/4	1.00	60B	Delavan	60W Delavan	150	blank	0.85/1.00	1.00
TDX 90DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.75	60B	Delavan	60W Delavan	150	blank	0.75	0.75
TDX 100DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.85	60B	Delavan	60W Delavan	150	blank	0.85/1.00	0.85
TDX 110DV	EZ-1HP	5" EZ-1	97379	1 3/4	0.90	60B	Delavan	60W Delavan	150	blank	0.85/1.00	1.10
TDX 125DV	EZ-1HP	5" EZ-1	97379	1 3/4	1.00	60B	Delavan	60W Delavan	150	blank	0.85/1.00	1.10

DV burners equipped with burner cover.

### Thermoflo/ Metzger/ Williamson

LBO/HBO 85	EZ-1	7" EZ-1	96752	5 1/2	0.60	70A	Delavan		100	EZ-1	0.60/0.65	0.60
LBO/HBO 105	EZ-1	7" EZ-1	96752	5 1/2	0.75	70A	Delavan		100	EZ-1	0.75	0.75
LBO/HBO 120	EZ-1	7" EZ-1	96752	5 1/2	0.85	70A	Delavan		100	EZ-1	0.85/1.00	0.85
LBO/HBO 140	EZ-1	9" EZ-1	96780	8	1.00	60SS	Hago		100	EZ-1	0.85/1.00	1.00
LBO/HBO 175	EZ-1	9" EZ-1	96780	8	1.25	60SS	Hago		100	EZ-1	1.10/1.25	1.25
LBO/HBO 245	EZ-2HP	11" EZ-2/3	96772	10	1.50	70B	Delavan		140	EZ-2	1.65/1.75	1.75

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Thermoflo/ Metzger/ Williamson cont'd

T164-10A	EZ-1HP	7" EZ-1	98245	6 1/2	0.65	70A	Delavan		100	EZ-1	0.60/0.65	0.60
					0.75	70A	Delavan		100	EZ-1	0.75	0.75
					0.85	70A	Delavan		100	EZ-1	0.85/1.00	0.85
					1.00	70A	Delavan		100	EZ-1	0.85/1.00	1.00

### Thermo Pride

O(H,L,D)6	EZ-1HP	5" EZ-1	51242	4 1/2	0.50	60A	Delavan	60AH Danfoss	120	blank	0.5	0.40	
					*	0.60	60A	Delavan	60W Delavan	120	blank	0.60/0.65	0.50
					0.75	60A	Delavan	60B Delavan	120	blank	0.75	0.70	
O(H,L,)8	EZ-1HP	5" EZ-1	51242	4 1/2	0.75	60A	Delavan	60B Delavan	140	blank	0.75	0.80	
					*	0.85	60A	Delavan		140	blank	0.85/1.00	1.00
					0.90	60A	Delavan	70A Delavan	140	blank	0.85/1.00	1.20	
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	0.60	
O(H,L,T)11-105	EZ-1HP	9" EZ-1	99002	7 3/4	0.75	70A	Delavan		150	blank	0.75	0.75	
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	1.00	
OME-72D36	EZ-1	4" EZ-1	50779	4 5/16	0.50	70W	Delavan	70B Delavan	100	blank	0.50	0.40	
					0.60	70W	Delavan	70A Delavan	100	blank	0.60/0.65	0.60	

\* 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		100	EZ-1	0.60/0.65	0.65
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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	0.65
MAX/ DMAX-100	EZ-1HP	5" EZ-1	N/A	3 3/4	0.85	60B	Delavan		150	EZ-1	0.85/1.00	0.85
MAX/ DMAX-120	EZ-1HP	5" EZ-1	N/A	3 3/4	1.00	60B	Delavan		150	EZ-1	0.85/1.00	1.00
MAX/ DMAX-140	EZ-1HP	5" EZ-1	N/A	3 3/4	1.25	60B	Delavan		150	EZ-1	1.10/1.25	1.25
MAX/ DMAX-165	EZ-1HP	5" EZ-1	N/A	3 3/4	1.35	60B	Delavan		150	EZ-1	1.35/1.50	1.35
<sup>1</sup> MAX uses a 40200 control. DMAX uses a 60200 15/120 control.												
DBC-85	EZ-1	5" EZ-1	N/A	2 5/8	0.75	60A	Delavan		100	EZ-1	0.75	0.75
DBC-100	EZ-1	5" EZ-1	N/A	2 5/8	0.85	60A	Delavan		100	EZ-1	0.85/1.00	0.85
DBC-115	EZ-1	5" EZ-1	N/A	2 5/8	1.00	60A	Delavan		100	EZ-1	0.85/1.00	1.00
DBC-125	EZ-1	5" EZ-1	N/A	2 5/8	1.10	60B	Delavan		100	EZ-1	1.10/1.25	1.10
DBC-140	EZ-1	5" EZ-1	N/A	2 5/8	1.25	60B	Delavan		100	EZ-1	1.10/1.25	1.25
DBC-155	EZ-1	5" EZ-1	N/A	2 5/8	1.35	60B	Delavan		100	EZ-1	1.35/1.50	1.35
DBC-175	EZ-2	5" EZ-2/3	90860	3 3/4	1.50	60A	Delavan		100	EZ-2	1.50	1.50
DBC-200	EZ-2	5" EZ-2/3	90860	3 3/4	1.75	60A	Delavan		100	EZ-2	1.65/1.75	1.75
DBC-230	EZ-2	5" EZ-2/3	90860	3 3/4	2.00	60A	Delavan		100	EZ-2	2	2.00
DBC-85	100CRD	5" STD	N/A	3 3/4	0.75	60A	Delavan		100	blank	1	45%
DBC-100	100CRD	5" STD	N/A	3 3/4	0.85	60A	Delavan		100	blank	1	50%
DBC-115	100CRD	5" STD	N/A	3 3/4	1.00	60A	Delavan		100	blank	3	70%
DBC-125	100CRD	5" STD	N/A	3 3/4	1.10	60A	Delavan		100	blank	3	80%
DBC-140	100CRD	5" STD	N/A	3 3/4	1.25	60A	Delavan		100	blank	4	100%
DBC-155	100CRD	5" STD	N/A	3 3/4	1.35	60A	Delavan		100	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	0.60
NP-85	EZ-1HP	5" EZ-1	98246	2 3/4	0.70	60A	Delavan	60B Delavan	150	EZ-1	0.60/0.65	0.70
NP-100	EZ-1HP	5" EZ-1	98246	2 3/4	0.85	60A	Delavan	60B Delavan	150	EZ-1	0.85/1.00	0.85
NP-110	EZ-1HP	5" EZ-1	98246	2 3/4	0.90	60A	Delavan	60B Delavan	150	EZ-1	0.85/1.00	0.90
NP-125	EZ-1HP	5" EZ-1	98246	2 3/4	1.00	60A	Delavan	60B Delavan	150	EZ-1	0.85/1.00	1.00
NP-135	EZ-1HP	5" EZ-1	98246	2 3/4	1.10	60B	Delavan	60A Delavan	150	EZ-1	1.10/1.25	1.10
NP-150	EZ-1HP	5" EZ-1	98246	2 3/4	1.25	60B	Delavan	60A Delavan	150	EZ-1	1.10/1.25	1.25
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%

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### 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	0.60
F-30	EZ-1HP	5" EZ-1	9831101	2 5/8	0.65	60W	Delavan		150	blank	0.60/0.65	0.75
F-35	EZ-1HP	5" EZ-1	9831101	2 5/8	0.85	70B	Delavan		150	blank	0.85/1.00	0.85
F-25 DV	EZ-1HP	5" EZ-1	9831101	2 5/8	0.60	60A	Delavan		150	Air Boot	0.60/0.65	0.65
F-30 DV	EZ-1HP	5" EZ-1	9831101	2 5/8	0.65	60W	Delavan		150	Air Boot	0.60/0.65	0.85
F-35 DV	EZ-1HP	5" EZ-1	9831101	2 5/8	0.85	70B	Delavan		150	Air Boot	0.85/1.00	1.20

### Ultimate Boilers

PFO-3	EZ-1HP	7" EZ-1	N/A	4 3/8	0.55	60A	Delavan		150	blank	0.50	0.50
					0.60	60A	Delavan		150	blank	0.60/0.65	0.60
					0.75	60A	Delavan		150	blank	0.75	0.75
PFO-3T	EZ-1HP	7" EZ-1	N/A	4 5/8	0.55	60A	Delavan		150	blank	0.50	0.50
					0.65	60A	Delavan		150	blank	0.60/0.65	0.65
					0.90	60A	Delavan		150	blank	0.85/1.00	0.85
PFO-4	EZ-1HP	7" EZ-1	N/A	4 5/8	0.55	60A	Delavan		150	blank	0.50	0.50
					0.75	60A	Delavan		150	blank	0.75	0.75
					1.10	60A	Delavan		150	blank	1.10/1.25	1.10
PFO-4T	EZ-1HP	7" EZ-1	N/A	4 5/8	0.55	60A	Delavan		150	blank	0.50	0.50
					0.85	60A	Delavan		150	blank	0.85/1.00	0.85
					1.20	60A	Delavan		150	blank	1.10/1.25	1.20
PFO-5	EZ-1HP	7" EZ-1	N/A	4 5/8	0.60	60A	Delavan		150	blank	0.60/0.65	0.60
					0.85	60A	Delavan		150	blank	0.85/1.00	0.85
PFO-5	EZ-2HP	7" EZ-2/3	N/A	4 5/8	1.35	60A	Delavan		150	EZ-2	1.50	1.65
PFO-5T	EZ-1HP	7" EZ-1	N/A	4 5/8	0.65	60A	Delavan		150	blank	0.60/0.65	0.65
					1.00	60A	Delavan		150	blank	0.85/1.00	1.00
PFO-5T	EZ-2HP	7" EZ-2/3	N/A	4 5/8	1.35	60A	Delavan		150	EZ-2	1.50	1.75
PFO-6T	EZ-1HP	7" EZ-1	N/A	4 5/8	0.75	60A	Delavan		150	blank	0.75	0.65
					1.20	60A	Delavan		150	blank	1.10/1.25	1.10
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	0.60
					1.25	60A	Delavan		150	blank	1.10/1.25	1.15
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	0.85
PFO-8T	EZ-2HP	7" EZ-2/3	N/A	4 5/8	1.50	60A	Delavan		150	EZ-2	1.50	2.15
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	0.90
					1.65	60B	Delavan		150	3 slot	5	55%
PFO-9	102CRD-3	7" B	N/A	4 5/8	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%
<b>Starfire IV series</b>												
SFH3085	EZ-1HP	7" EZ-1	95869	2 1/2	0.75	70B	Delavan	70A Delavan	130	blank	0.75	45%
SFH3100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A Delavan	140	blank	0.85/1.00	55%
SFH4100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A Delavan	140	blank	0.85/1.00	52%
SFH4125	EZ-1HP	7" EZ-1	95869	2 1/2	1.00	70B	Delavan	70A Delavan	155	blank	0.85/1.00	70%
SFH4145	EZ-1HP	7" EZ-1	95869	2 1/2	1.20	70B	Delavan	70B Hago	145	blank	1.10/1.25	78%
SFH5160	EZ-2HP	7" EZ-1	95869	2 1/2	1.35	70B	Delavan	70AS Danfoss	140	3 slot	0.85/1.00	20%
SFH5185	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	70B	Delavan	70AS Danfoss	155	3 slot	1.50	30%
SFH6175	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	60B	Delavan	60B Hago	140	3 slot	1.50	35%
SFH6185	EZ-2HP	7" EZ-1	95869	2 1/2	1.65	60B	Delavan		125	3 slot	1.65/1.75	32%
SFH6210	EZ-2HP	7" EZ-1	95869	2 1/2	1.75	70AS	Danfoss	60ES Hago	145	4 slot	1.65/1.75	65%
SFE3090	EZ-1HP	7" EZ-1	95869	2 1/2	0.75	70B	Delavan	70A Delavan	145	blank	0.75	45%
SFE4125	EZ-1HP	7" EZ-1	95869	2 1/2	1.00	70B	Delavan	70A Delavan	155	blank	0.85/1.00	70%
SFE5185	EZ-2HP	7" EZ-1	95869	2 1/2	1.50	70B	Delavan	60W Delavan	155	3 slot	1.50	40%
SFE6210	EZ-2HP	7" EZ-1	95869	2 1/2	1.65	60B	Delavan	45B Delavan	165	3 slot	2.00	30%
SFH3100	EZ-1HP	7" EZ-1	95869	2 1/2	0.85	70B	Delavan	70A Delavan	150	EZ-1	0.85/1.00	0.85
SFH4150	EZ-1HP	7" EZ-1	95869	2 1/2	1.25	70B	Delavan		150	EZ-1	1.10/1.25	1.25
SFH5200	EZ-2HP	7" EZ-2	95877	2 1/2	1.65	70B	Delavan		150	EZ-2	1.65/1.75	1.65

## Oil Burner Setup Tables

Appliance Model	Burner Model	Air Tube	OEM Air Tube #	Insertion Depth	Nozzle			Alternate Nozzle	Pump PSI	Air Shutter	Head Position	Air Setting
					Size	Type	Mfr					

### Utica Boilers cont'd

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%
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%
<b>Tri-Fire Series</b>												
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	25%
TRB4095	EZ-LF	7" 12D	50887	3	0.75	45W	Delavan	45AB Danfoss	160	blank	0.75	35%
TRB4110	EZ-LF	7" 12D	50887	3	0.85	60A	Delavan	60W Delavan	165	blank	0.75	50%
TRB5100	EZ-LF	7" 12D	50887	3	0.75	60B	Hago	60B Delavan	175	blank	0.75	35%
TRB5115	EZ-LF	7" 12D	50887	3	0.85	45A	Delavan	45AB Danfoss	180	blank	0.85/1.00	40%
TRB5135	EZ-LF	7" 12D	50887	3	1.10	60AB	Danfoss	60W Delavan	150	blank	1.10/1.25	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	0.50
F100-35	EZ-1HP	5" EZ-1	84889	3 1/2	0.75	60B	Delavan		150	EZ-1	0.75	0.75
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%

### Viessmann

VR1-22, VR1-91	EZ-LF	9" 12D	50017	5	0.50	60AS	Danfoss	<sup>60B DFN</sup> Hago	170	blank	0.50	35%
VR1-27, VR1-105	EZ-1	9" EZ-1	51192	5	0.60	60AS	Danfoss	60W Delavan	155	blank	0.60/0.65	0.65
VR1-33, VR1-140	EZ-1	9" EZ-1	51192	5	0.75	60AS	Danfoss	60B Hago	175	blank	0.75	1.15
VR1-40, VR1-161	EZ-1	9" EZ-1	51192	5	0.85	70A	Delavan	70B Delavan	185	blank	0.75	1.20
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%
<b>Direct Vent</b>												
VR1-22-DV	EZ-LF	9" 12D	50017	5	0.50	60B	Hago	60AS Danfoss	170	blank	0.50	45%
VR1-27-DV	EZ-1	9" EZ-1	51192	5	0.60	60B	Delavan	<sup>60B DFN</sup> Hago	155	blank	0.50	0.65
VR1-33-DV	EZ-1	9" EZ-1	51192	5	0.75	60B	Hago	60AS Danfoss	175	blank	0.75	1.20
EZ-66 burners use 2-step pump with 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 Position	Air Setting
					Size	Type	Mfr					
<b>Weil-McLain</b>												
GO-2/ GO-3L	EZ-1HPW	5" EZ-1	84863	3 1/8	0.60	70B	Delavan	60B Delavan	140	EZ-1	0.60/0.65	0.50
GO-3R	EZ-1HPW	5" EZ-1	84863	3 1/8	0.65	70A	Delavan	60W Delavan	150	EZ-1	0.60/0.65	0.75
GO-3	EZ-1HPW	5" EZ-1	84863	3 1/8	0.75	60B	Delavan	60B Hago	160	EZ-1	0.75	0.75
GO-4R	EZ-1HPW	5" EZ-1	84863	3 1/8	0.85	70B	Delavan	60B Delavan	140	EZ-1	0.85/1.00	0.85
GO-4	EZ-1HPW	5" EZ-1	84863	3 1/8	1.00	60B	Delavan	60B Hago	145	EZ-1	0.85/1.00	1.00
GO-5R	EZ-1HPW	5" EZ-1	84863	3 1/8	1.00	70B	Delavan	70AS Danfoss	140	EZ-1	0.85/1.00	1.10
GO-5	EZ-1HPW	5" EZ-1	84863	3 1/8	1.20	60B	Delavan	60AS Danfoss	150	EZ-1	1.10/1.25	1.40
GO-6R	EZ-1HPW	5" EZ-1	84863	3 1/8	1.20	60B	Delavan	70B Delavan	140	EZ-1	1.10/1.25	1.35
GO-6	EZ-1HPW	5" EZ-1	84863	3 1/8	1.50	70B	Delavan	70W Delavan	140	3 slot	1.50	0.75
GO-6	EZ-2HPW	5" EZ-2/3	84871	3 1/8	1.50	70B	Delavan	70W Delavan	140	EZ-2	1.50	1.55
UO-3	EZ-1HPW	9" EZ-1	50688	3 1/8	0.65	60A	Delavan		150	blank	0.60/0.65	0.60
					0.85	60A	Delavan		150	blank	0.85/1.00	0.85
UO-4	EZ-1HPW	9" EZ-1	50688	3 1/8	1.00	60B	Hago		150	blank	0.85/1.00	1.00
UO-5	EZ-1HPW	9" EZ-1	50688	3 1/8	1.10	60B	Hago	60B Delavan	165	blank	1.10/1.25	1.25
368	EZ-1	5" EZ-1	84863	3 1/8	1.00	70A	Delavan		100	EZ-1	0.85/1.00	1.00
468	EZ-1	5" EZ-1	84863	3 1/8	1.25	70B	Delavan		100	EZ-1	1.10/1.25	1.25
568	EZ-1	5" EZ-1	84863	3 1/8	1.50	70B	Delavan		100	EZ-1	1.35/1.50	1.50
668	EZ-2	5" EZ-2/3	84871	3 1/8	1.75	70B	Delavan		100	EZ-2	1.65/1.75	1.75
768	EZ-2	5" EZ-2/3	84871	3 1/8	2.00	70B	Delavan		100	EZ-2	2.00	2.00
868	EZ-3	5" EZ-2/3	84871	3 1/8	2.25	70B	Delavan		100	EZ-3	2.25	2.25
968	EZ-3	5" EZ-2/3	84871	3 1/8	2.50	70B	Delavan		100	EZ-3	2.50	2.50
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%
476	99FRD	5" STD	47886	3	2.25	70P	Hago		100	open	7-8	75%
476	EZ-3	5" EZ-2/3	86603	3	2.25	70B	Delavan		100	EZ-3	2.25	2.25
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	2.00
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 <sup>1</sup>	4	LF 5.50 HF 4.00	45P	Hago		150	--	1/4	1/8
380	EZ-3HPW	5" EZ-2/3	86603	3	2.00	45A	Delavan		150	EZ-3	2.50	2.50
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
1280	801CRD-W	10"	49445 <sup>1</sup>	4	LF 5.50 HF 4.00	45B	Hago		150	--	1/4	1/8

<sup>1</sup> 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 Position	Air Setting
					Size	Type	Mfr					
<b>Weil-McLain cont'd</b>												
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
					2H 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
					2H 5.00	45SS	Hago					
1386	1150FFD-W	STD 4" SP	N/A	6	LF 11.00	45SS	Hago		100	--	0	5/8
					2H 6.00	45SS	Hago					
1486	1150FFD-W	STD 4" SP	N/A	6	LF 12.00	45SS	Hago		100	--	0	5/8
					2H 6.50	45SS	Hago					
1586	1150FFD-W	STD 4" SP	N/A	6	LF 13.00	45SS	Hago		100	--	1/4	5/8
					2H 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					
<b>88 Series 1</b>												
488-R2	702CRD-W	10"	49304	4	4.00	60PL	Monarch		100/300	--	1/8	1/8
488	702CRD-W	10"	49304	4	4.00	60PL	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 <sup>1</sup>	4	LF 5.50	45H	Hago		150	--	7/16	1/4
					HF 4.50	45H	Hago					
788	801CRD-W	10"	49445 <sup>1</sup>	4	LF 6.00	45H	Hago		150	--	3/4	5/16
					HF 5.50	45H	Hago					
888	801CRD-W	10"	49445 <sup>1</sup>	4	LF 6.50	45H	Hago		150	--	1	3/8
					HF 7.00	45H	Hago					
988	1050FFD-W	STD 4" SP	48462 <sup>2</sup>	5 5/8	LF 9.00	45SS	Hago		100	--	5/8	1/4
					HF 4.50	45SS	Hago					
					HF 5.00	45SS	Hago					
1088R	1050FFD-W	STD 4" SP	48462 <sup>2</sup>	5 5/8	LF 10.00	45SS	Hago		100	--	1	3/8
					2H 5.00	45SS	Hago					
1088	1050FFD-W	STD 4" SP	48470	5 5/8	LF 10.00	45SS	Hago		100	--	1	3/8
					HF 6.00	45SS	Hago					
					HF 5.50	45SS	Hago					
1188	1150FFD-W	STD 4" SP	48520	6	LF 12.00	45SS	Hago		100	--	1/4	3/8
					HF 6.00	45SS	Hago					
					HF 5.50	45SS	Hago					
1288	1150FFD-W	STD 4" SP	48520	6	LF 12.00	45SS	Hago		100	--	1/2	1/2
					2H 7.00	45SS	Hago					
1388	1150FFD-W	STD 4" SP	48520	6	LF 13.00	45SS	Hago		100	--	7/8	5/8
					HF 7.50	45SS	Hago					
					HF 8.00	45SS	Hago					
1488	1150FFD-W	STD 4" SP	48520	6	LF 14.00	45SS	Hago		100	--	1 1/8	3/4
					HF 8.00	45SS	Hago					
					HF 9.00	45SS	Hago					
<b>88 Series 2</b>												
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 <sup>1</sup>	4	LF 5.50	45H	Hago		150	--	5/16	1/4
					HF 4.50	45H	Hago					
788	801CRD-W	10"	49445 <sup>1</sup>	4	LF 6.00	45H	Hago		150	--	1/2	1/2
					HF 5.50	45H	Hago					
<sup>1</sup> For UV control packages use P/N 49452.												
<sup>2</sup> 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 Position	Air Setting
					Size	Type	Mfr					

### Weil-McLain cont'd

888	801CRD-W	10"	49445 <sup>1</sup>	4	LF 6.50	45H	Hago		150	--	1	3/8
988R	1050FFD-W	STD 4" SP	48462 <sup>2</sup>	5 5/8	LF 9.00	45SS	Hago		100	--	3/8	3/8
					HF 4.00	45SS	Hago					
988	1050FFD-W	STD 4" SP	48462 <sup>2</sup>	5 5/8	LF 9.00	45SS	Hago		100	--	1/2	1/4
					HF 4.50	45SS	Hago					
1088R	1050FFD-W	STD 4" SP	48462 <sup>2</sup>	5 5/8	LF 10.00	45SS	Hago		100	--	1/2	3/4
					2H 5.00	45SS	Hago					
1088	1050FFD-W	STD 4" SP	48470	5 5/8	LF 10.00	45SS	Hago		100	--	1	3/8
					HF 6.00	45SS	Hago					
1188	1150FFD-W	STD 4" SP	48520	6	LF 12.00	45SS	Hago		100	--	1/4	11/16
					HF 6.00	45SS	Hago					
1288	1150FFD-W	STD 4" SP	48520	6	LF 12.00	45SS	Hago		100	--	7/16	7/8
					2H 7.00	45SS	Hago					
1388	1150FFD-W	STD 4" SP	48520	6	LF 13.00	45SS	Hago		100	--	11/16	7/8
					HF 7.50	45SS	Hago					
1488	1150FFD-W	STD 4" SP	48520	6	LF 15.00	45SS	Hago		100	--	1	1
					2H 8.00	45SS	Hago					

<sup>1</sup> For UV control packages use P/N 49452.

<sup>2</sup> For UV control packages use P/N 48470.

### 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	0.50
OWB/OWT/OSB-3	EZ-1HPW	5" EZ-1	84863	3 1/8	0.75	60B	Delavan		160	EZ-1	0.75	0.75
OWB/OWT-4	EZ-1HPW	5" EZ-1	84863	3 1/8	0.85	70B	Delavan		140	EZ-1	0.85/1.00	0.85
OWB/OWT/OSB-4	EZ-1HPW	5" EZ-1	84863	3 1/8	1.00	60B	Delavan		145	EZ-1	0.85/1.00	1.00
OWB/OWT-5	EZ-1HPW	5" EZ-1	84863	3 1/8	1.00	70B	Delavan		140	EZ-1	0.85/1.00	1.10
OWB/OWT/OSB-5	EZ-1HPW	5" EZ-1	84863	3 1/8	1.20	60B	Delavan		150	EZ-1	1.10/1.25	1.40
OWB/OWT-6	EZ-1HPW	5" EZ-1	84863	3 1/8	1.20	60B	Delavan		140	EZ-1	1.10/1.25	1.35
OWB/OWT-6	EZ-1HPW	5" EZ-1	84863	3 1/8	1.50	70B	Delavan		140	3 slot	1.50	0.75
OWB/OWT/OSB-6	EZ-2HPW	5" EZ-2/3	84871	3 1/8	1.50	70B	Delavan		140	EZ-2	1.50	1.55
CHB/CLB 85	EZ-1	7" EZ-1	98470	5 1/2	0.60	70A	Delavan		100	blank	0.60/0.65	0.60
CHB/CLB 105	EZ-1	7" EZ-1	98470	5 1/2	0.75	70A	Delavan		100	blank	0.75	0.75
CHB/CLB 120	EZ-1	7" EZ-1	98470	5 1/2	0.85	70A	Delavan		100	blank	0.85/1.00	0.85
CHB/CLB 140	EZ-1	9" EZ-1	98471	8	1.00	60SS	Hago		100	blank	0.85/1.00	1.00
CHB/CLB 175	EZ-1	9" EZ-1	98471	8	1.25	60SS	Hago		100	blank	1.10/1.25	1.25
CHB/CLB/CCF 245	EZ-2HP	11" EZ-2/3	98472	10	1.50	70B	Delavan		140	EZ-2	1.65/1.75	1.75
CB-T-90	EZ-1	7" EZ-1	98245	6 1/2	0.65	70A	Delavan		100	blank	0.60/0.65	0.50
CB-T-105	EZ-1	7" EZ-1	98245	6 1/2	0.75	70A	Delavan		100	blank	0.75	0.60
CB-T-125	EZ-1	7" EZ-1	98245	6 1/2	0.85	70A	Delavan		100	blank	0.85/1.00	0.75
CB-T-150	EZ-1	7" EZ-1	98245	6 1/2	1.00	70A	Delavan		100	blank	0.85/1.00	0.90
PLB-098	EZ-LF <sup>1</sup>	7" EZ-1	50859	2 3/8	0.50	60H	Danfoss		100	blank	0.35/0.50	13%
					0.50	60H	Danfoss		150	blank	0.60/0.65	20%
					0.55	60H	Danfoss		165	blank	0.60/0.65	30%
PLB-112	EZ-LF	7" 12D	50860	2 3/8	0.55	70A	Delavan		155	blank	0.60/0.65	22%
					0.65	70A	Delavan		155	blank	0.75	25%
PLB-210	EZ-1	5" EZ-1	99044	2 1/2	1.20	60B	Delavan	60B Hago	100	blank	1.10/1.25	1.25
					1.35	60B	Delavan	60B Hago	100	blank	1.35/1.50	1.50
					1.50	60B	Delavan	60B Hago	100	blank	1.35/1.50	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 <sup>1</sup>	7" EZ-1	50859	2 3/8	0.50	60H	Danfoss		100	blank	0.35/0.50	13%
					0.50	60H	Danfoss		150	blank	0.35/0.50	23%
					0.55	60H	Danfoss		165	blank	0.60/0.65	30%

<sup>1</sup> 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 Position	Air Setting
					Size	Type	Mfr					

### Williamson-Thermoflo cont'd

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

### Yukon Energy Corporation

Y-65	100CRD	7" STD	N/A	5	0.65	70A	Delavan		100	blank	1	40%
Y-85	100CRD	7" STD	N/A	5	0.85	70A	Delavan		100	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

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

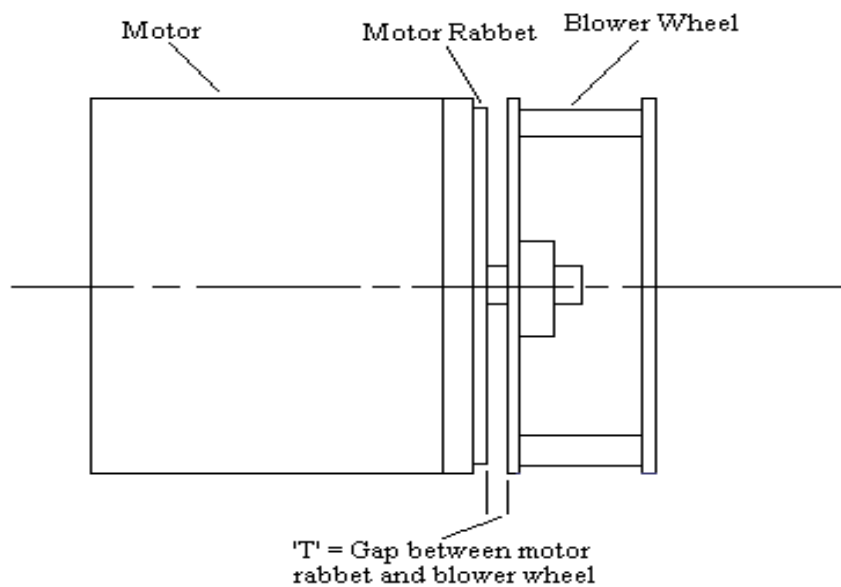
# ENGINEERING INFORMATION

## 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" <sup>1</sup>
EZ-Gas	3/64"
201GAS	1/8"
301GAS	1/8"
601GAS	3/16"
702GAS	3/16"
702G/O	3/16"

<sup>1</sup> 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
105OFFD	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, 105OFFD, 115OFFD	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	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Input MBH	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

### AJAX Boiler Inc.

WFG-450	201GAS	A	10"	Universal	4 3/4	360	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	EZGas Pro	B	12"	Universal	5	105	15/64 (.234)	#14 (.182)	25%	1 slot	blank	3.5
LUF95D16	EZGas Pro	B	12"	Universal	5	120	B (.238)	#9 (.196)	12%	1 slot	blank	3.5

### Axeman Anderson

WL140	EZGas Pro	B	10"	Universal	2	105	#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 <sup>1</sup>	EZGas Pro	B	10"	Universal	2	140	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

<sup>1</sup> Need target wall 12"H x 15"W

### Biasi/ QHT

**Burners must be purchased from Biasi**

B10/3	EZGas Pro <sup>1</sup>	9S	10"S	99848	1 3/4	80	#15 (.180)	#25 (.149)	20NG/30LP	1 slot	blank	3.1NG/3.5LP
B10/4	EZGas Pro <sup>1</sup>	9S	10"	98865	3	112	#1 (.228)	#15 (.180)	40NG/48LP	2 slot	blank	3.6NG/3.0LP
B10/5	EZGas Pro	9S	10"	98865	3	140	F (.257)	#5 (.205)	20%	2 slot	blank	3.5
B10/6	EZGas Pro	9S	10"	98865	3	175	5/16 (.312)	1/4 (.250)	36NG/41LP	2 slot	blank	3.5
B10/7	EZGas Pro	A-1	10"S	51295	4 3/4	222	11/32 (.344)	17/64 (.266)	60%	2 slot	blank	3.5
B10/8	EZGas Pro	A-1	10"S	51295	4 3/4	260	27/64 (.422)	O (.316)	70%	2 slot	blank <sup>2</sup>	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	201GAS	D	10"	51057	4 1/2	322	5/8 (.625)	15/32 (.469)	85%	4 slot	none	3.5
B40/7	301GAS	S	14"B	51062	4 1/2	406	7/16 (.438)	23/64 (.359)	35%	4 slot	full	3.5NG/3.3LP
B40/8	301GAS	S	14"B	51062	4 1/2	490	1/2 (.500)	13/32 (.406)	50%	4 slot	full	3.0NG/3.4LP
B40/9	301GAS	B	14"B	51062	4 1/2	574	35/64 (.546)	7/16 (.438)	45%	4 slot	center	3.0NG/3.2LP
B40/10	301GAS	B	14"B	51062	4 1/2	658	19/32 (.593)	15/32 (.469)	65%	4 slot	center	3.5NG/3.3LP
B40/11	301GAS	B	14"B	51062	4 1/2	742	5/8 (.625)	31/64 (.484)	90%	4 slot	center	3.4NG/3.5LP
B40/12	601GAS	11	14"C	51062	4 1/2	826	11/16 (.687)	17/32 (.531)	4	--	--	3.5

SG-3	EZGas Pro	9S	10"S	51214	3 1/2	120	D (.246)	#8 (.199)	20%	2 slot	blank	3.5
SG-4	EZGas Pro	9S	10"S	51214	3 1/2	162	19/64 (.297)	C (.242)	35%	2 slot	blank	3.5
SG-5	EZGas Pro	9S	10"S	51214	3 1/2	204	3/8 (.375)	19/64 (.297)	60%	2 slot	blank	3.5
SG-6	EZGas Pro	A	10"S	51214	3 1/2	246	25/64 (.391)	O (.316)	65%	2 slot	blank	3.5
SG-7	EZGas Pro	A	10"S	51214	3 1/2	272	1/2 (.500)	23/64 (.359)	80%	2 slot	blank <sup>2</sup>	3.5

SG-7: Carlin recommended firing rate

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

<sup>2</sup> 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**

SRU-30	EZGas Pro	9S	12"S	51701	3 1/2	140	9/32 (.281)	#2 (0.221)	30%	2 slot	blank	3.5
SRU-40	EZGas Pro	9S	12"S	51701	3 1/2	175	5/16 (.312)	17/64 (.266)	40%	2 slot	blank	3.5
SRU-50	EZGas Pro	A-1	12"S	51701	3 1/2	210	S (.348)	9/32 (.281)	55%	2 slot	blank	3.5
SRU-60	EZGas Pro	A-1	12"S	51701	3 1/2	245	Z (.413)	S (.348)	75NG/85LP	2 slot	blank	3.5

**SRU burners include gasket under ignitor and grommet in access cover: kit # GSKTKIT1**

### Bock Water Heater

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

## Gas Burner Setup Tables

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

### Bock Water Heater cont'd

32BCS PG	EZGas Pro	B	10"	9858401	5 3/8	104	#2 (.221)	#18 (.170)	10%	Air Boot	--	3.5
40BCS PG	EZGas Pro	B	10"	9858401	5 3/8	125	D (.246)	#12 (.190)	15%	Air Boot	--	3.5
51BCS PG	EZGas Pro	B	10"	9858401	5 3/8	152	I (.272)	7/32 (.219)	20%	Air Boot	--	3.5
120BCS PG	EZGas Pro	B	10"	9878401	5 3/8	155	I (.272)	7/32 (.219)	20%	Air Boot	--	3.5
190BCS PG	EZGas Pro	A	10"	9858501	5 3/8	190	P (.323)	1/4 (.250)	35%	Air Boot	--	3.5

### Buderus

G115-3	EZGas Pro	C	12"	50059	4	85	#3 (.213)	#22 (.157)	40%	1 slot	blank	3.5
G115-3WS	EZGas Pro	C	12"	50059	4	105	D (.246)	#9 (.196)	80%	1 slot	blank	3.5
G115-4	EZGas Pro	B	12"	98896	4	110	7/32 (.219)	#17 (.173)	30%	1 slot	blank	3.5
G115-4WS	EZGas Pro	B	12"	98896	4	132	1/4 (.250)	#8 (.199)	40%	1 slot	blank	3.5
G115-5	EZGas Pro	B	12"	98896	4	140	I (.272)	#5 (.206)	50%	1 slot	blank	3.5
G115-5WS	EZGas Pro	B	12"	98896	4	162	19/64 (.297)	#2 (.221)	55%	1 slot	blank	3.5
G115-3-DV	EZGas Pro	C	12"	50059	4	85	#3 (.213)	#22 (.157)	40%	Air Boot	blank	3.5NG/3.4LP
G115-4-DV	EZGas Pro	B	12"	98896	4	110	7/32 (.219)	#17 (.173)	30%	Air Boot	blank	3.5
G115-5-DV	EZGas Pro	B	12"	98896	4	140	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	EZGas Pro	9S	10"	Universal	3 1/4	154	I (.272)	7/32 (.219)	30%	2 slot	blank	3.5
G215-4	EZGas Pro	9S	10"	Universal	3 1/4	196	21/64 (.328)	1/4 (.250)	50%	2 slot	blank	3.5
G215-5	EZGas Pro	A	10"	Universal	3 1/4	238	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	301GAS	B	14" B	99597	4 1/8	447	31/64 (.484)	25/64 (.391)	35%	4 slot	full	3.5NG/3.4LP
V904A	301GAS	B	14" B	99597	4 1/8	606	37/64 (.578)	7/16 (.438)	65%	4 slot	full	3.5NG/3.6LP
V905A	601GAS	11	14" B	99597	4 1/8	808	23/32 (.719)	33/64 (.516)	2	--	--	3.5NG/3.6LP
V906A	601GAS	12	14" D	99600	4 1/8	1010	1 1/16 (1.06)		4	--	--	3.5
		11	14" C	99599	4 1/8	1010		5/8 (.625)	4	--	--	3.5
V907A	601GAS	32	14" D	99600	4 1/8	1198	15/16 (.938)		5	--	--	3.6
		31	14" C	99599	4 1/8	1198		19/32 (.594)	4.5	--	--	3.5
V908A	601GAS	32	14" D	99600	4 1/8	1386	1 1/8 (1.125)		8	--	--	3.5
		31	14" C	99599	4 1/8	1386		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	201GAS	A	16"	Universal	3 1/2	297	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	EZGas Pro	B	10"	99553	1 3/4	120	C (.242)	#9 (.196)	40NG/49LP	1 slot	blank	3.5
CBX-140	EZGas Pro	B	10"	99553	1 3/4	140	1/4 (.250)	7/32 (.218)	45NG/60LP	1 slot	blank	3.5
CBX-160	EZGas Pro	B	10"	99553	1 3/4	160	L (.290)	15/64 (.234)	85%	1 slot	blank	3.5
CBX-120-DV	EZGas Pro	B	12"/ 10"	50171	1 3/4	120	C (.242)	#9 (.196)	11NG/17LP	Air Boot	--	3.5
CBX-140-DV	EZGas Pro	B	12"/ 10"	50171	1 3/4	140	1/4 (.250)	7/32 (.218)	17NG/25LP	Air Boot	--	3.5
CBX-160-DV	EZGas Pro	B	12"/ 10"	50171	1 3/4	160	L (.290)	15/64 (.234)	32%	Air Boot	--	3.5

CSFH-3085	EZGas Pro	9S	10"	Universal	2 1/2	119	15/64 (.234)	3/16 (.187)	30%	1 slot	blank	3.5
CSFH 3100	EZGas Pro	9S	10"	Universal	2 1/2	140	17/64 (.265)	7/32 (.219)	45%	1 slot	blank	3.5
CSFH4100	EZGas Pro	9S	10"	Universal	2 1/2	140	17/64 (.265)	7/32 (.219)	25%	2 slot	blank	3.5
CSFH4125	EZGas Pro	9S	10"	Universal	2 1/2	175	21/64 (.328)	17/64 (.265)	45%	2 slot	blank	3.5
CSFH 4145	EZGas Pro	9S	10"	Universal	2 1/2	203	11/32 (.343)	9/32 (.281)	65%	2 slot	blank	3.5
CSFH 5160	EZGas Pro	A	10"	Universal	2 1/2	224	21/64 (.328)	9/32 (.281)	60%	2 slot	blank	3.5
CSFH 5185 <sup>1</sup>	EZGas Pro	A	10"	Universal	2 1/2	259	V (.377)	21/64 (.328)	75%	2 slot	blank <sup>1</sup>	3.5
CSFH 6175	EZGas Pro	A	10"	Universal	2 1/2	245	25/64 (.391)	19/64 (.297)	75%	2 slot	blank	3.4NG/3.5L
CSFH 6210	201GAS	A	10"	Universal	2 1/2	295	25/64 (.391)	21/64 (.328)	40%	2 slot	full	3.4NG/3.0L

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

CT-6	EZGas Pro	9S	12"	99630	4 3/4	252	3/8 (.375)	19/64 (.297)	80%	2 slot	blank	3.5
CT-6	202GAS	B	12"	99322	4 3/4	252	23/64 (.359)	19/64 (.297)	50%	2 slot	full	3.5
CT-10	202GAS	A	12"	99321	4 3/4	420	43/64 (.672)	29/64 (.453)	80%	4 slot	none	3.6
CT-10	301GAS	B	14" B	99328	4 3/4	420	29/64 (.453)	S (.348)	15%	4 slot	full	3.5

## Gas Burner Setup Tables

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

### Columbia Boiler cont'd

CT-15	301GAS	B	14" B	99328	4 3/4	630	37/64 (.578)	29/64 (.453)	65%	4 slot	full	3.5
CT-20	301GAS	C	14" C	99327	4 3/4	840	3/4 (.750)	35/64 (.546)	35NG/50LP	4 slot	none	3.5
CT-25	601GAS	11	14" C	99327	4 3/4	1050	1 (1.00)	19/32 (.593)	1.5NG/2LP	--	--	3.8NG/3.5LP
EMG-31-120	EZGas Pro	9S	10"S	50659	1 3/4	120	C (.242)	11/64 (.172)	31%	1 slot	blank	3.5
EMG-31-140	EZGas Pro	9S	10"S	50659	1 3/4	140	1/4 (.250)	13/64 (.203)	45%	1 slot	blank	3.5
EMG-31-160	EZGas Pro	9S	10"S	50659	1 3/4	160	L (.290)	7/32 (.218)	65NG/78LP	1 slot	blank	3.5
EMG-180	EZGas Pro	9S	10"S	50659	1 3/4	180	N (.302)	C (.242)	38NG/45LP	2 slot	blank	3.5
EMG-200	EZGas Pro	9S	10"S	50659	1 3/4	200	5/16 (.312)	17/64 (.266)	33NG/50LP	2 slot	blank	3.5
EMG-220	EZGas Pro	9S	10"S	50659	1 3/4	220	T (.358)	9/32 (.281)	56NG/70LP	2 slot	blank	3.5
GL-18	EZGas Pro	A	12"	99630	4 3/4	196	5/16 (.312)	1/4 (.250)	35%	2 slot	blank	3.5
GL-18	201GAS	C	10"	99904	3 1/2	196	11/32 (.344)	9/32 (.281)	50%	2 slot	full	3.5
GL-20	201GAS	A	10"	Universal	Adj	280	W (.386)	O (.316)	0%	4 slot	none	3.5
GL-22	201GAS	A	10"	Universal	Adj	336	27/64 (.422)	T (.358)	20%	4 slot	none	3.5
VT-3	EZGas Pro	B	12"	99630	4 3/4	150	9/32 (.281)	7/32 (.218)	45%	1 slot	blank	3.5

### Crown Boiler

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

### Dunkirk

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

### Dynatherm Boiler Manufacturing

FP-18	EZGas Pro	B	10"	99413	3	91	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	EZGas Pro	B	10"	99413	3	119	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	EZGas Pro	B	10"	99413	3	175	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	201GAS	B	10"	99618	3	259	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	EZGas Pro	B	10"	99413	3	91	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	EZGas Pro	B	10"	99413	3	119	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	EZGas Pro	B	10"	99413	3	175	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	Burner Model	Diffuser/Head	Air Tube	OEM Air Tube	Insertion Depth	Input MBH	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

### EFM

PK440/ PK450	EZGas Pro	9S	12"S	50677	5 1/2	120	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	EZGas Pro	9S	12"S	50677	5 1/2	180	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	EZGas Pro	9S	12"S	50677	5 1/2	120	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	EZGas Pro	B	7"	50710 <sup>3</sup>	2 3/8	80	#8 (.199)	#25 (.149)	<sup>1</sup> 25% <sup>2</sup>	1 slot	blank	3.5
						100	#1 (.228)	#16 (.177)	<sup>1</sup> 40% <sup>2</sup>	1 slot	blank	3.5
						120	C (.242)	#12 (.189)	<sup>1</sup> 50% <sup>2</sup>	1 slot	blank	3.5
						150	J (.277)	7/32 (.219)	<sup>1</sup> 70% <sup>2</sup>	1 slot	blank	3.5
EK-2 Frontier	EZGas Pro	A	7"	50710 <sup>3</sup>	2 3/8	175	N (.302)	C (.242)	<sup>1</sup> 45% <sup>2</sup>	2 slot	blank	3.5
						200	21/64 (.328)	17/64 (.266)	<sup>1</sup> 55% <sup>2</sup>	2 slot	blank	3.5
						225	T (.358)	9/32 (.281)	<sup>1</sup> 70% <sup>2</sup>	2 slot	blank	3.5
						250	X (.397)	5/16 (.312)	<sup>1</sup> 85% <sup>2</sup>	2 slot	blank	3.5
EK-3 Frontier	201GAS	A	10"	99484	2 3/8	300	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
<b>Ascent Boiler</b>												
EK-1T	EZGas Pro	B	7"	50710	2 3/8	100	#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	EZGas Pro	A	7"	50710	2 3/8	175	N (.302)	C (.242)	40%	2 slot	blank	3.5

<sup>1</sup> When firing Natural Gas set O<sub>2</sub> readings between 4.5%-5.5%

<sup>2</sup> When firing Propane gas set O<sub>2</sub> reading between 4.5%-6.0%

<sup>3</sup> 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	301GAS	B	14" C	99373	4 3/4	650	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	EZGas Pro	B	10"	98710	2 7/8	80	#10 (.194)	#24 (.152)	8%	1 slot	blank	3.5
100	EZGas Pro	B	10"	98710	2 7/8	100	15/64 (.234)	#18 (.169)	20%	1 slot	blank	3.0
120	EZGas Pro	B	10"	98710	2 7/8	120	C (.242)	#11 (.191)	30%	1 slot	blank	3.5
150	EZGas Pro	B	10"	98710	2 7/8	150	I (.272)	15/64 (.234)	40%	1 slot	blank	3.5
180	EZGas Pro	B	10"	98710	2 7/8	180	O (.316)	1/4 (.250)	70%	1 slot	blank	3.5
80 <sup>1</sup>	EZGas Pro	B	10"	98710	2 7/8	80	#10 (.194)	#24 (.152)	5%	Air Boot	--	3.5
100 <sup>1</sup>	EZGas Pro	B	10"	98710	2 7/8	100	15/64 (.234)	#18 (.169)	10%	Air Boot	--	3.0
120 <sup>1</sup>	EZGas Pro	B	10"	98710	2 7/8	120	C (.242)	#11 (.191)	15%	Air Boot	--	3.5
150 <sup>2</sup>	EZGas Pro	B	10"	98710	2 7/8	150	I (.272)	15/64 (.234)	20%	Air Boot	--	3.5
180 <sup>2</sup>	EZGas Pro	B	10"	98710	2 7/8	180	O (.316)	1/4 (.250)	35%	Air Boot	--	3.5

<sup>1</sup> Direct vent version of boiler using 3" exhaust and 4" intake duct.

<sup>2</sup> Direct vent version of boiler using 4" exhaust and 4" intake duct.

### FW Webb PurePro

Advantage												
AO-3	EZGas Pro	9S	10"	Universal	2 1/4	91	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	EZGas Pro	9S	10"	Universal	2 1/4	175	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	EZGas Pro	9S	10"	Universal	2 1/4	245	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	Burner Model	Diffuser/ Head	Air Tube	OEM Air Tube	Insertion Depth	Input MBH	Orifice Size		Air Setting	Air Band	Air Shutter	Manifold Pressure
							Natural Gas	Propane				

### FW Webb PurePro cont'd

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

### Giant Factories Inc.

OG32	EZGas Pro	B	10"	99951	2 7/8	84	#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	EZGas Pro	B	10"	99951	2 7/8	98	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

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

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

### Lanair/ Clean Burn

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

### Metromatic

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

## Gas Burner Setup Tables

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

### New Yorker Boiler Co.

FR-98-W	EZGas Pro	9S	10"	Universal	1 1/2	120	C (.221)	#7 (.201)	35%	1 slot	blank	3.5
FR-122-W	EZGas Pro	9S	10"	Universal	1 1/2	150	I (.272)	A (.234)	50%	1 slot	blank	3.5
FR-98-W-DV	EZGas Pro	9S	10"	Universal	1 1/2	120	C (.221)	#7 (.201)	35%	1 slot	blank	3.5
FR-122-W-DV	EZGas Pro	9S	10"	Universal	1 1/2	150	I (.272)	A (.234)	50%	1 slot	blank	3.5
HGSI	EZGas Pro	9S	10"	Universal	1 1/2	110	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	EZGas Pro	9S	10"	Universal	1 1/2	110	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	EZGas Pro	9S	10"	Universal	2 1/4	91	13/64 (.203)	#21 (.159)	25%	1 slot	blank	3.5
CL3-105	EZGas Pro	9S	10"	Universal	2 1/4	105	#4 (.209)	#17 (.173)	30%	1 slot	blank	3.5
CL3-140	EZGas Pro	9S	10"	Universal	2 1/4	140	1/4 (.250)	13/64 (.203)	55%	1 slot	blank	3.5
CL4-126	EZGas Pro	9S	10"	Universal	2 1/4	126	1/4 (.250)	#8 (.199)	25%	2 slot	blank	3.5
CL4-175	EZGas Pro	9S	10"	Universal	2 1/4	175	19/64 (.297)	1/4 (.250)	45%	2 slot	blank	3.5
CL4-210	EZGas Pro	9S	10"	Universal	2 1/4	210	T (.258)	19/64 (.297)	75%	2 slot	blank	3.5
CL5-168	EZGas Pro	A	10"	Universal	2 1/4	168	9/32 (.281)	7/32 (.219)	35%	2 slot	blank	3.5
CL5-245	EZGas Pro	A	10"	Universal	2 1/4	245	25/64 (.391)	5/16 (.312)	65%	2 slot	blank	3.5
CL5-275	EZGas Pro	A	10"	Universal	2 1/4	275	15/32 (.469)	21/64 (.328)	85%	2 slot	blank	3.5

### Olsen Furnace

BCL 130S	EZGas Pro	B	14"	Universal	6 1/2	154	I (.272)	#1 (.228)	50%	1 slot	blank	3.5
BCL145S	EZGas Pro	B	14"	Universal	6 1/2	168	L (.290)	15/64 (.234)	60%	1 slot	blank	3.5
MPL 90	EZGas Pro	B	14"	Universal	6 1/2	91	#2 (.221)	#16 (.177)	20%	1 slot	blank	3.5
MPL 100	EZGas Pro	B	14"	Universal	6 1/2	101	A (.234)	#12 (.189)	30%	1 slot	blank	3.5
MPL 120	EZGas Pro	B	14"	Universal	6 1/2	117	E (.250)	#8 (.199)	35%	1 slot	blank	3.5
MPL 130	EZGas Pro	B	14"	Universal	6 1/2	128	17/64 (.267)	#4 (.209)	45%	1 slot	blank	3.5

### Peerless (PB Heat)

EC/ECT-03-075	EZGas Pro	9S	10"	Universal	2 1/2	105	7/32(.2187)	11/64(.1718)	30%	1 slot	blank	3.5
EC/ECT-03-100	EZGas Pro	9S	10"	Universal	2 1/2	140	1/4(.250)	13/64(.2031)	42%	1 slot	blank	3.5
EC/ECT-03-120	EZGas Pro	9S	10"	Universal	2 1/2	168/15	17/64(.2656)	7/32(.2187)	65%	1 slot	blank	3.5
EC/ECT-04-125	EZGas Pro	9S	10"	Universal	2 1/2	175	9/32(.2812)	15/64 (.234)	40%	2 slot	blank	3.5
EC/ECT-04-150	EZGas Pro	9S	10"	Universal	2 1/2	210	21/64(.3281)	17/64(.2656)	60%	2 slot	blank	3.5
EC/ECT-04-175	EZGas Pro	A	10"	Universal	2 1/2	245	11/32 (.344)	9/32(.2812)	45%	2 slot	blank	3.5
EC/ECT-05-175	EZGas Pro	A	10"	Universal	2 1/2	245	11/32 (.344)	9/32(.2812)	45%	2 slot	blank	3.5
EC/ECT-05-200	EZGas Pro	A	10"	Universal	2 1/2	280/27	7/16(.4375)	11/32(.3437)	75%	2 slot	blank	3.5
EC/ECT-05-250	201GAS	A	10"	Universal	2 1/2	350	15/32(.4687)	23/64 (.359)	35%	4 slot	none	3.5
EC/ECT-06-275	201GAS	A	10"	Universal	2 1/2	385	1/2 (.500)	3/8 (.375)	40%	4 slot	none	3.5
EC/ECT-06-300	201GAS	A	10"	Universal	2 1/2	420/39	9/16(.5625)	7/16(.4375)	60%	4 slot	none	3.5
LC-04	301GAS	B	14" B	99581	2 1/8	686	19/32 (.594)	29/64 (.453)	80%	4 slot	center	3.5
		C	14" C	99539	2 1/8	808	21/32 (.656)	1/2 (.500)	75%	4 slot	center	3.5
LC-05R	601GAS	11	14" C	99539	2 1/8	808	21/32 (.656)	1/2 (.500)	3.5NG/ 3LP	--	--	3.4NG/3.5LP
		C	14" C	99539	2 1/8	881	23/32 (.719)	35/64 (.547)	60NG/65LP	4 slot	none	3.6NG/3.2LP
LC-05	601GAS	11	14" C	99539	2 1/8	881	23/32 (.719)	35/64 (.547)	4.5NG/ 4.75LP	--	--	3.6NG/3.1LP
		22	14" D	99540	2 1/8	1077	1 1/4		6.5	--	--	3.5
LC-06	601GAS	21	14" C	99539	2 1/8	1077		19/32 (.594)	6.5	--	--	3.5
		32	14" D	99540	2 1/8	1273	1 1/4		7.25	--	--	3
LC-07	601GAS	31	14" C	99539	2 1/8	1273		21/32 (6.56)	7.25	--	--	3.5
		For LC series with 301GAS & 601GAS use front plate # 86074 (order from Peerless)										
SC/ SCT-05	301GAS	S	14" B	99749B	2 1/2	433	29/64 (.453)	3/8 (.375)	30NG/35LP	4 slot	full	3.5NG/3.6LP
SC/ SCT-06	301GAS	S	14" B	99749A	2 1/2	505	1/2 (.500)	13/32 (.406)	50NG/65LP	4 slot	full	3.5NG/3.4LP
SC/ SCT-07	301GAS	B	14" B	99749	2 1/2	577	35/64 (.547)	7/16 (.438)	40NG/50LP	4 slot	full	3.3NG/3.5LP
SC/ SCT-08	301GAS	B	14" B	99749	2 1/2	649	19/32 (.594)	29/64 (.453)	60NG/65LP	4 slot	full	3.4NG/3.5LP
SC/ SCT-09	301GAS	C	14" C	99733	2 1/2	722	19/32 (.594)	15/32 (.469)	40NG/50LP	4 slot	center	3.5
SC/ SCT-10	301GAS	C	14" C	99733	2 1/2	794	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)												

## Gas Burner Setup Tables

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

### Peerless (PB Heat) cont'd

WBV-03	EZGas Pro	9S	10"	99033	2 1/2	84	#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	EZGas Pro	9S	10"	99033	2 1/2	133	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	EZGas Pro	9S	10"S	50682	3	98	#3 (.213)	#18 (.170)	18%	1 slot	blank	3.5NG/3.0LP
DK2-4	EZGas Pro	9S	10"S	50682	3	140	G (.261)	#3 (.213)	40%	1 slot	blank	3.5
DK2-5	EZGas Pro	9S	10"S	50682	3	175	O (.316)	C (.242)	72%	1 slot	blank	3.5
DK2-6	EZGas Pro	A	10"S	50682	3	194	21/64 (.328)	17/64 (.266)	48%	2 slot	blank	3.5
DK2-7	EZGas Pro	A	10"S	50682	3	224	U (.368)	19/64 (.297)	60NG/65LP	2 slot	blank	3.5
DK2-8 <sup>1</sup>	EZGas Pro	A	10"S	50682	3	252	29/64 (.453)	R (.339)	72% <sup>1</sup>	2 slot	blank	3.5

**DK2 burners come with gasket under ignitor and grommet in access cover.**

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

S1-18/BL-3	EZGas Pro	B	10"S	9926601	3 1/4	97	7/32 (.219)	# 17 (.173)	25%	1 slot	blank	3.5
S1-26/BL-4	EZGas Pro	B	10"S	9926601	3 1/4	137	I (.272)	7/32 (.219)	40NG/48LP	1 slot	blank	3.5
S1-34/BL-5	EZGas Pro	A	10"S	9926501	3 1/4	177	O (.316)	1/4 (.250)	40%	2 slot	blank	3.5
S1-42/BL-6	EZGas Pro	A	10"S	9926501	3 1/4	217	W (.386)	L (.290)	62%	2 slot	blank	3.5
S1-50/BL-7	EZGas Pro	A	10"S	9926501	3 1/4	257	7/16 (.438)	P (.323)	90NG/80LP	2 slot	blank	3.5

### Regal Star (Boyertown Furnace)

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

### Slant Fin

L/ LD30	EZGas Pro	9S	12"/ 10"S	50304	2 1/8	154	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	EZGas Pro	A	12"/ 10"S	50304	2 1/8	210	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	EZGas Pro	9S	12"/ 10"S	50304	2 1/8	154	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	EZGas Pro	A	12"/ 10"S	50304	2 1/8	210	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	EZGas Pro	9S	12"S	50964	4 1/2	91	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	EZGas Pro	9S	10"	99553	1 3/4	119	#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	EZGas Pro	9S	10"	99553	1 3/4	175	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	EZGas Pro	B	10"S	9921201	2 1/4	105	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	EZGas Pro	B	10"S	9921201	2 1/4	154	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	EZGas Pro	A	10"S	9921201	2 1/4	196	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	EZGas Pro	A	10"S	9921201	2 1/4	245	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.

## Gas Burner Setup Tables

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

### Smith Cast-Iron Boilers cont'd

19A-03	201GAS	A	12"	99543	4 3/4	375	9/16 (.563)	7/16 (.438)	60%	4 slot	none	3.5
19A-04	301GAS	S	14" B	99728	4 3/4	520	17/32 (.531)	13/32 (.406)	45%	4 slot	center	3.5
19A-05	301GAS	B	14" B	99528	4 3/4	725	5/8 (.625)	1/2 (.500)	60NG/70LP	4 slot	none	3.5
19A-06	301GAS	C	14" C	99529	4 3/4	931	25/32 (.781)	9/16 (.562)	100%	4 slot	none	3.5
19A-06	601GAS	11	14" B	99528	4 3/4	931	25/32 (.781)	9/16 (.562)	8	--	--	3.5NG/3.9LP
19A-07	601GAS	12	14" D	99530	4 3/4	1137	1 1/4 (1.25)		Open	--	--	3.6
		11	14" C	99529	4 3/4	1137		5/8 (.625)	Open	--	--	3.5
19A-08	601GAS	32	14" D	99530	4 3/4	1342	1 1/8 (1.125)		9.5	--	--	3.5
		31	14" C	99529	4 3/4	1342		11/16 (.688)	9.5	--	--	3.4

For 19A series with 301GAS & 601GAS use front plate # 3565 (order from Smith)

### Solaia Boilers

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

### Solaia Forte Boilers

SF3100	EZGas Pro	9S	12"S	51701	3 1/2	140	9/32 (.281)	#2 (0.221)	30%	2 slot	blank	3.5
SF4125	EZGas Pro	9S	12"S	51701	3 1/2	175	5/16 (.312)	17/64 (.266)	40%	2 slot	blank	3.5
SF5150	EZGas Pro	A-1	12"S	51701	3 1/2	210	S (.348)	9/32 (.281)	55%	2 slot	blank	3.5
SF6175	EZGas Pro	A-1	12"S	51701	3 1/2	245	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	EZGas Pro	9S	12	Universal	5 7/8	84	#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

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

CWL-GS-100	EZGas Pro	9S	10"S	99393	3 1/2	100	#1 (.228)	5/32 (.156)	35%	1 slot	blank	3.5
CWL-GS-120	EZGas Pro	9S	10"S	99393	3 1/2	120	C (.242)	11/64 (.172)	43%	1 slot	blank	3.5
CWL-GS-140	EZGas Pro	9S	10"S	99393	3 1/2	140	1/4 (.250)	13/64 (.203)	52%	1 slot	blank	3.5
CWL-GS-100-DV	EZGas Pro	9S	10"S	99393	3 1/2	100	#1 (.228)	5/32 (.156)	35%	1 slot	blank	3.5
CWL-GS-120-DV	EZGas Pro	9S	10"S	99393	3 1/2	120	C (.242)	11/64 (.172)	43%	1 slot	blank	3.5
CWL-GS-140-DV	EZGas Pro	9S	10"S	99393	3 1/2	140	1/4 (.250)	13/64 (.203)	52%	1 slot	blank	3.5
HT-120-GS	EZGas Pro	9S	10"S	50727	3 3/4	120	C (.242)	11/64 (.172)	30%	1 slot	blank	3.5
HT-140-GS	EZGas Pro	9S	10"S	50727	3 3/4	140	1/4 (.250)	13/64 (.203)	42%	1 slot	blank	3.5
HT-160-GS	EZGas Pro	9S	10"S	50727	3 3/4	160	L (.290)	7/32 (.218)	57NG/78LP	1 slot	blank	3.5
HT-II-165	EZGas Pro	A	10"	Universal	3 3/4	225	11/32 (.344)	9/32 (.281)	50%	2 slot	blank	3.5
HT-II-175	EZGas Pro	A	10"	Universal	3 3/4	250	13/32 (.406)	5/16 (.312)	60%	2 slot	blank	3.5
HT-II-200	EZGas Pro	A	10"	Universal	3 3/4	275	7/16 (.438)	11/32 (.344)	85%	2 slot	blank	3.5



## Gas Burner Setup Tables

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

### Thermo-Dynamics Boiler cont'd

HT-II-225	201GAS	A	8"	Universal	3 3/4	300	27/64 (.422)	5/16 (.312)	30%	4 slot	none	3.5
HT-II-250	201GAS	A	8"	Universal	3 3/4	350	15/32 (.469)	11/32 (.344)	35%	4 slot	none	3.5
HT-II-275	201GAS	A	8"	Universal	3 3/4	399	9/16 (.563)	13/32 (.406)	70%	4 slot	none	3.5
TDX-120	EZGas Pro	B	10"	99553	1 3/4	120	C (.242)	#9 (.196)	40NG/49LP	1 slot	blank	3.5
TDX-140	EZGas Pro	B	10"	99553	1 3/4	140	1/4 (.250)	7/32 (.218)	45NG/60LP	1 slot	blank	3.5
TDX-160	EZGas Pro	B	10"	99553	1 3/4	160	L (.290)	15/64 (.234)	82NG/85LP	1 slot	blank	3.5
TDX-120-DV	EZGas Pro	B	12"/10"	50171	1 3/4	120	C (.242)	#9 (.196)	40NG/49LP	1 slot	blank	3.5
TDX-140-DV	EZGas Pro	B	12"/10"	50171	1 3/4	140	1/4 (.250)	7/32 (.218)	45NG/60LP	1 slot	blank	3.5
TDX-160-DV	EZGas Pro	B	12"/10"	50171	1 3/4	160	L (.290)	15/64 (.234)	82NG/85LP	1 slot	blank	3.5

### Thermo Pride

OH6	EZGas CF	EZ-2	5"	50906	4 5/8	70	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	EZGas Pro <sup>1</sup>	C	10"	50753	4 3/4	70	#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

<sup>1</sup> Burner will not fit in cabinet with door on.

### Triad

900SH	301GAS	C	14" C	99913	5 3/8	600	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	EZGas Pro	9S	10"	Universal	2 5/8	80	3/16 (.187)	9/64 (.141)	10%	1 slot	blank	3.5
Alpha-100	EZGas Pro	9S	10"	Universal	2 5/8	100	7/32 (.219)	11/64 (.172)	25%	1 slot	blank	3.5
Alpha-120	EZGas Pro	9S	10"	Universal	2 5/8	120	1/4 (.250)	13/64 (.283)	35%	1 slot	blank	3.5
Alpha-80-DV	EZGas Pro	9S	10"	Universal	2 5/8	80	3/16 (.187)	9/64 (.141)	5%	Air Boot	--	3.5
Alpha-100-DV	EZGas Pro	9S	10"	Universal	2 5/8	100	7/32 (.219)	11/64 (.172)	10%	Air Boot	--	3.5
Alpha-120-DV	EZGas Pro	9S	10"	Universal	2 5/8	120	1/4 (.250)	13/64 (.283)	15%	Air Boot	--	3.5

### Utica Boilers

SFH 3085	EZGas Pro	9S	10"	Universal	2 1/2	119	15/64 (.234)	3/16 (.187)	30%	1 slot	blank	3.5
SFH 3100	EZGas Pro	9S	10"	Universal	2 1/2	140	17/64 (.265)	7/32 (.219)	45%	1 slot	blank	3.5
SFH 4100	EZGas Pro	9S	10"	Universal	2 1/2	140	17/64 (.265)	7/32 (.219)	25%	2 slot	blank	3.5
SFH 4125	EZGas Pro	9S	10"	Universal	2 1/2	175	21/64 (.328)	17/64 (.265)	45%	2 slot	blank	3.5
SFH 4145	EZGas Pro	9S	10"	Universal	2 1/2	203	11/32 (.343)	9/32 (.281)	65%	2 slot	blank	3.5
SFH 5160	EZGas Pro	A	10"	Universal	2 1/2	224	21/64 (.328)	9/32 (.281)	60%	2 slot	blank	3.5
SFH 5185 <sup>1</sup>	EZGas Pro	A	10"	Universal	2 1/2	259	V (.377)	21/64 (.328)	75%	2 slot	blank <sup>1</sup>	3.5
SFH 6175	EZGas Pro	A	10"	Universal	2 1/2	245	25/64 (.391)	19/64 (.297)	75%	2 slot	blank	3.4NG/3.5L
SFH 6210	201GAS	A	10"	Universal	2 1/2	295	25/64 (.391)	21/64 (.328)	40%	2 slot	full	3.4NG/3.0L
SFE 3090S	EZGas Pro	9S	10"	Universal	2 1/2	119	15/64 (.234)	3/16 (.187)	30%	1 slot	blank	3.5
SFE 4125S	EZGas Pro	9S	10"	Universal	2 1/2	175	21/64 (.328)	17/64 (.265)	45%	2 slot	blank	3.5
SFE 5185S	EZGas Pro	A	10"	Universal	2 1/2	259	V (.377)	21/64 (.328)	75%	2 slot	blank	3.5
SFE 6210S	201GAS	A	10"	Universal	2 1/2	295	25/64 (.391)	19/64 (.328)	60%	2 slot	full	3.5

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

### Viessmann

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

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

## Gas Burner Setup Tables

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

### Viessmann cont'd

Direct Vent												
VR1-22-DV	EZGas Pro	C	12-S	51349	4	91	#1 (.228)	11/64 (.172)	45%	1 slot	blank	3.5
VR1-27-DV	EZGas Pro	9 slot	12	51354	5	105	7/32 (.219)	11/64 (.172)	27%	1 slot	blank	3.5
VR1-33-DV	EZGas Pro	9 slot	12	51354	5	140	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	EZGas Pro	B	10"	9895301	3 1/8	98	7/32 (.219)	11/64 (.172)	35%	1 slot	blank	3.5
GO-3R	EZGas Pro	B	10"	9895301	3 1/8	112	#1 (.228)	#15 (.180)	30%	1 slot	blank	3.5
GO-3	EZGas Pro	B	10"	9895301	3 1/8	133	1/4 (.250)	7/32 (.219)	40%	1 slot	blank	3.5
GO-4R	EZGas Pro	9S	10"	9895301	3 1/8	140	1/4 (.250)	#5 (.206)	25%	2 slot	blank	3.5
GO-4	EZGas Pro	9S	10"	9895301	3 1/8	168	9/32 (.281)	#2 (.221)	35%	2 slot	blank	3.5
GO-5R	EZGas Pro	A	10"	9895301	3 1/8	168	L (.290)	15/64 (.234)	35%	2 slot	blank	3.5
GO-5	EZGas Pro	A	10"	9895301	3 1/8	203	5/16 (.312)	I (.272)	35%	2 slot	blank	3.5
GO-6R	EZGas Pro	A	10"	9895301	3 1/8	196	5/16 (.312)	1/4 (.250)	40%	2 slot	blank	3.5
GO-6	EZGas Pro	A	10"	9895301	3 1/8	245	X (.397)	P (.323)	70%	2 slot	blank	3.5
GO-7	201GAS	B	10"	99331	3 1/8	280	Y (.404)	21/64 (.328)	38%	2 slot	none	3.5
GO-8	201GAS	A	10"	98840	3 1/8	322	27/64 (.422)	11/32 (.344)	25%	4 slot	none	3.5
UO-3	EZGas Pro	B	10"S	50330	2	112	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	EZGas Pro	B	10"S	50330	2	168	L (.290)	D (.246)	65%	1 slot	blank	3.5
UO-5	EZGas Pro	A	10"S	50330	2	196	P (.323)	I (.272)	40%	2 slot	blank	3.5
<b>Ultra Series burners are built with covers and gasket under ignitor and grommet in access cover.</b>												
380	201GAS	A	10"	99318	3	346	15/32 (.469)	3/8 (.375)	45NG/50LP	4 slot	none	3.5
480	301GAS	B	14" B	99311	4	491	1/2 (.500)	3/8 (.375)	45NG/52LP	4 slot	full	3.2NG/3.8LP
580	301GAS	B	14" B	99311	4	639	9/16 (.562)	7/16 (.438)	75%	4 slot	center	3.5
680	301GAS	C	14" C	99310	4	787	5/8 (.625)	1/2 (.500)	52NG/60LP	4 slot	center	3.5
780	301GAS	C	14" C	99310	4	935	11/16 (.687)	17/32 (.531)	60NG/100LP	4 slot	none	3.5NG/3.2LP
780	601GAS	21	14" C	99310	4	935	3/4 (.750)	17/32 (.531)	3	--	--	3.6NG/3.5LP
880	601GAS	21	14" C	99310	4	1082	1 (1.00)	19/32 (.594)	3.5	--	--	3.6NG/3.5LP
980	601GAS	32	14" D	99538	4	1230	15/16 (.938)		5.5	--	--	3.5
		31	14" C	99310	4	1230		21/32 (.656)	5.5	--	--	3.5
1080	601GAS	32	14" D	99538	4	1378	1 1/8 (1.125)	3/4 (.750)	7	--	--	3.5
<b>For 80 series with 301GAS &amp; 601GAS use front plate # 385-700-235 (order from Weil-McLain)</b>												
488/488R	601GAS	32	14" D	99538	4	1010/996	13/16 (0.813)	5/8 (0.625)	3	--	--	3.5
588	601GAS	32	14" D	99538	4	1378	1 1/8 (1.125)	3/4 (.750)	8	--	--	3.5
<b>For 88 series with 601GAS use front plate # 386-300-220 (order from Weil-McLain)</b>												

### Williamson-Thermoflo

W/HBO-10A	EZGas Pro	B	12"	Universal	5 1/2	105	#2 (.221)	#16 (.177)	15%	1 slot	blank	3.5
						120	C (.242)	#10 (.194)	25%	1 slot	blank	3.5
CLB/CHB-105	EZGas Pro <sup>1</sup>	9S	12"	Universal	5 1/2	91	#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
<sup>1</sup> Burner will not fit in cabinet with door on.												
PMP/PLB-098	EZGas Pro	9S	10"	Universal	1 3/4	70	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	EZGas Pro	9S	10"	Universal	1 3/4	95	#5 (.206)	#20 (.161)	29%	1 slot	blank	3.6
						112	#2 (.221)	#15 (.180)	36%	1 slot	blank	3.6
OWB/OWT-3	EZGas Pro	B	10"	9895301	3 1/8	98	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	EZGas Pro	9S	10"	9895301	3 1/8	140	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	EZGas Pro	A	10"	9895301	3 1/8	168	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	EZGas Pro	A	10"	9895301	3 1/8	196	5/16 (.312)	1/4 (.250)	40%	2 slot	blank	3.5
						245	X (.397)	P (.323)	70%	2 slot	blank	3.5

## Gas Burner Setup Tables

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

### Williamson-Thermoflo cont'd

OSB-3	EZGas Pro	B	10"	9895301	3 1/8	133	1/4 (.250)	7/32 (.219)	40%	1 slot	blank	3.5
OSB-4	EZGas Pro	9S	10"	9895301	3 1/8	144	1/4 (.250)	#5 (.206)	25%	2 slot	blank	3.5
OSB-5	EZGas Pro	A	10"	9895301	3 1/8	174	L (.290)	15/64 (.234)	35%	2 slot	blank	3.5
OSB-6	EZGas Pro	A	10"	9895301	3 1/8	210	5/16 (.312)	1/4 (.250)	40%	2 slot	blank	3.5

### York Shipley

CT-6	EZGas Pro	9S	12"	99630	4 3/4	252	3/8 (.375)	19/64 (.297)	80%	2 slot	blank	3.5
CT-10	301GAS	B	14" B	99328	4 3/4	420	29/64 (.453)	S (.348)	15%	4 slot	full	3.5
CT-15	301GAS	B	14" B	99328	4 3/4	630	37/64 (.578)	29/64 (.453)	65%	4 slot	full	3.5
CT-20	301GAS	C	14" C	99327	4 3/4	840	3/4 (.750)	35/64 (.546)	35NG/50LP	4 slot	none	3.5
CT-25	601GAS	11	14" C	99327	4 3/4	1050	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)	(°C x 1.8) + 32	Degrees-Fahrenheit (°F)
Degrees-Fahrenheit (°F)	(°F - 32) x 5÷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

# NOTES

# NOTES



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