



WALL MOUNTED BOILER PRODUCT SUMMARY

XPAK PRODUCT SUMMARY XPAK 85 AND 120			
Item	Summary Detail	XPak 85	XPak 120
ELECTRICAL			
1	Power Supply Voltage Requirement (VAC)	120	120
2	Control Circuit Voltage (VAC)	24	24
3	Power Consumption With Pump (Watts)	133	141
4	Amp Draw	1.2	1.3
5	Quantity of Electrical Connections	1	1
6	Fuse Rating (Amps / Volts)	4 / 250	4 / 250
EMISSIONS			
7	Sound Pressure Level (Decibels-A weighted) (Max Input)	56	60
8	Sound Pressure Level (Decibels-A weighted) (Min Input)	48	52
9	NOx Output (ppm) corrected to 3% Oxygen	< 20 (<14 ng/J)	< 20 (<14 ng/J)
10	CO ₂ Natural Gas	8.5%	8.5%
11	CO ₂ Propane Gas	10.0%	10.0%
12	Flue Products Mass Flow Rate Max. Input (Lbs/ Hr) Natural Gas	90.4	123.2
13	Flue Products Mass Flow Rate Max. Input (Lbs /Hr) Propane Gas	88.9	121.2
14	Condensate Flow Rate (At Max Input and 85F Return Temp) (Gal / Hr)	0.37	0.41
15	Condensate Flow Rate (At Min Input and 85F Return Temp) (Gal / Hr)	0.13	0.16
FUEL			
16	Inlet Connection Size (NPT)	3/4"	3/4"
17	Max. Inlet Pressure, Natural Gas	10.5" w.c.	10.5" w.c.
18	Min. Inlet Pressure, Natural Gas	3.5" w.c.	3.5" w.c.
19	Max. Inlet Pressure, Propane Gas	13" w.c.	13" w.c.
20	Min. Inlet Pressure, Propane Gas	8" w.c.	8" w.c.
HYDRAULIC			
21	Heat Exchanger Fluid Capacity (Gal.)	0.85	1.00
22	Heat Exchanger Surface Area (ft ²)	10.1	13.2
23	Boiler Water Connections	3/4"	3/4"
24	Drain Fitting Size	7/16" socket	7/16" socket
25	Pump Residual Head @ Max Flow Rate (Ft. Hd)	5.0	3.7
26	Condensate Drain Connection Diameter (Flexible Corrugated Hose)	0.825"	0.825"
27	Boiler Max Water Flow Rate	5.7 gpm	6.2 gpm
28	Recommended System Pressure	15 psi	15 psi
29	Minimum System Pressure	6.5 psi	6.5 psi
30	Maximum System Pressure	40 psi	40 psi
31	Relief Valve Size	3/4"	3/4"
32	Relief Valve Capacity (BTU/Hr)	663,000	663,000
33	Relief Valve Pressure Rating	45 psi	45 psi
34	Quantity of Automatic Air Vent(s)	2	2
PERFORMANCE			
35	BTU / Hr. Input	87,000	119,500
36	BTU / Hr. Output (Full fire)	76,600	108,148
37	BTU / Hr. Output (Low fire)	25,200	26,600
38	AFUE Rating	90.3%	90.5%
39	Net AHRI (BTU/Hr)	67,000	94,000
40	Turndown Ratio	3.4 to 1	4.3 to 1
SERVICE CLEARANCES			
41	Front	24"	24"
42	Rear	0	0
43	Right	1"	1"
44	Left	1"	1"
45	Top	12"	12"
VENT CONNECTIONS / MATERIALS			
46	Quantity of Vent Connections	1	1
47	Quantity of Coaxial Vent Connections	1	1
48	Quantity of Air Inlet Connections	2	2
49	Location of Vent Connections	Top	Top
50	Max Vent Distance Coaxial Configuration (Horizontal only)	26 Ft.	26 Ft.
51	Max Vent Distance Dual Configuration (Two Pipe)	130 Ft.	130 Ft.
52	Diameter (Size in Inches)	3"	3"
53	Vent Category	CAT IV	CAT IV
54	Approved Stainless Vent Material	AL29-4C	AL29-4C
55	Approved Non-Ferrous Vent Material	Aluminum	Aluminum
56	Approved Plastic Vent Material	Polypropylene	Polypropylene
57	Approved Plastic Vent Material	CPVC	CPVC
WEIGHT & DIMENSIONS			
58	Boiler Weight lbs (Kg)	84 (38)	93 (42)
59	Boiler Height	30-3/4"	30-3/4"
60	Boiler Width	15-3/4"	17-3/4"
61	Boiler Depth	14-1/8"	14-1/8"