



POWER-FIN[®] WATER HEATER PRODUCT SUMMARY

(PF) 500,000 - 2,000,000 BTU/HR (5:1 Turndown)

	PF-0502 (M9)	PF-0752 (M9)	PF-1002 (M9)	PF-1302 (M9)	PF-1501 (M9)	PF-1701 (M9)	PF-2001 (M9)
WATER							
GALLON CAPACITY	3.5	4.0	4.5	5.0	5.5	5.8	6.0
HEATING SURFACE (SQ. FT.)	58.7	88.2	116.0	149.2	156.8	177.8	209.4
WATER CONNECTIONS	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
DRAIN	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"
MAX. WATER FLOW RATE (GPM)	75	75	75	75	90	90	90
HEAD LOSS (FT. OF HD.)	7.2	7.5	7.8	9.5	10.5	11.8	12.4
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160
MAX. WATER HARDNESS (GRAINS)	25	25	25	25	25	25	25
GPH @ 70°F RISE	748	1,122	1,496	1,961	2,260	2,561	3,013
GPH @ 100°F RISE	527	791	1,054	1,371	1,582	1,793	2,109
GPH @ 140°F RISE	380	570	760	1,005	1,130	1,281	1,506
# OF RELIEF VALVES	1	1	1	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	1"	1"	1"
RELIEF VALVE RATING (MBH)	1,912	1,912	1,912	1,912	2,155	2,155	2,155
RELIEF VALVE PRESSURE RATING (PSI)	150	150	150	150	150	150	150
RELIEF VALVE TEMPERATURE RATING (°F)	210	210	210	210	210	210	210
GAS							
INLET CONNECTION	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"
MAX. INLET PRESSURE, NAT	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.
MIN. INLET PRESSURE, NAT	3.2" w.c.	3.2" w.c.	3.2" w.c.	3.2" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MANIFOLD PRESSURE, NAT	-8.3" w.c.	-4.6" w.c.	-7.1" w.c.	-6.8" w.c.	-4.1" w.c.	-5.1" w.c.	-4.0" w.c.
MAX. INLET PRESSURE, LP	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.
MIN. INLET PRESSURE, LP	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.
MANIFOLD PRESSURE, LP	-9.7" w.c.	-5.5" w.c.	-9.3" w.c.	-9.5" w.c.	-2.3" w.c.	-2.6" w.c.	-2.4" w.c.
BTU/HR INPUT	500,000	750,000	1,000,000	1,300,000	1,500,000	1,700,000	2,000,000
ELECTRICAL							
VOLTAGE/HEATER	120	120	120	120	120	120	120
VOLTAGE/PUMP	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24
TOTAL AMPS W/PUMP	15.5	15.5	15.5	15.5	15.3	15.3	15.3
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1
DIMENSIONS							
HEIGHT	44-1/2"	52-1/4"	59-1/4"	67-3/4"	65-1/2"	70"	76-3/4"
WIDTH	23-1/4"	23-1/4"	23-1/4"	23-1/4"	27-1/4"	27-1/4"	27-1/4"
DEPTH (INCLUDES PUMP)	42-3/4"	42-3/4"	42-3/4"	42-3/4"	56"	56"	56"
SERVICE CLEARANCES							
FRONT	24"	24"	24"	24"	24"	24"	24"
BACK (PIPING)	24"	24"	24"	24"	24"	24"	24"
RIGHT SIDE	0"	0"	0"	0"	0"	0"	0"
LEFT SIDE	0"	0"	0"	0"	0"	0"	0"
TOP	24"	24"	24"	24"	24"	24"	24"
VENTING							
SIZE	7" / 4"	9" / 5"	10" / 6"	12" / 8"	8" / 6"	9" / 7"	10" / 8"
VENT CATEGORY	II / IV	II / IV	II / IV	II / IV	II / IV	II / IV	II / IV
VENT MATERIAL	AL29-4C	AL29-4C	AL29-4C	AL29-4C	AL29-4C	AL29-4C	AL29-4C

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	PF-0502 (F9)	PF-0752 (F9)	PF-1002 (F9)	PF-1302 (F9)	PF-1501 (B9)	PF-1701 (B9)	PF-2001 (B9)
WATER							
GALLON CAPACITY	3.5	4.0	4.5	5.0	5.5	5.8	6.0
HEATING SURFACE (SQ. FT.)	58.7	88.2	116.0	149.2	156.8	177.8	209.4
WATER CONNECTIONS	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
DRAIN	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"	2 @ 3/4"
MAX. WATER FLOW RATE (GPM)	75	75	75	75	90	90	90
HEAD LOSS (FT. OF HD.)	7.2	7.5	7.8	9.5	10.5	11.8	12.4
MAX. WORKING PRESSURE (PSI)	160	160	160	160	160	160	160
MAX. WATER HARDNESS (GRAINS)	25	25	25	25	25	25	25
GPH @ 70°F RISE	736	1,104	1,472	1,913	2,205	2,501	2,940
GPH @ 100°F RISE	515	773	1,030	1,323	1,527	1,731	2,036
GPH @ 140°F RISE	368	552	736	957	1,075	1,219	1,433
# OF RELIEF VALVES	1	1	1	1	1	1	1
RELIEF VALVE SIZE	3/4"	3/4"	3/4"	3/4"	1"	1"	1"
RELIEF VALVE RATING (MBH)	1,912	1,912	1,912	1,912	2,155	2,155	2,155
RELIEF VALVE PRESSURE RATING (PSI)	150	150	150	150	150	150	150
RELIEF VALVE TEMPERATURE RATING (°F)	210	210	210	210	210	210	210
GAS							
INLET CONNECTION	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"
MAX. INLET PRESSURE, NAT	10.5" w.c.	10.5" w.c.	10.5" w.c.	10.5" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.
MIN. INLET PRESSURE, NAT	4.2" w.c.	4.2" w.c.	4.2" w.c.	4.2" w.c.	4.0" w.c.	4.0" w.c.	4.0" w.c.
MANIFOLD PRESSURE, NAT	3.2" w.c.	3.2" w.c.	3.2" w.c.	3.2" w.c.	-5.3" w.c.	-6.3" w.c.	-3.9" w.c.
MAX. INLET PRESSURE, LP	13.0" w.c.	13.0" w.c.	13.0" w.c.	13.0" w.c.	14.0" w.c.	14.0" w.c.	14.0" w.c.
MIN. INLET PRESSURE, LP	11.0" w.c.	11.0" w.c.	11.0" w.c.	11.0" w.c.	8.0" w.c.	8.0" w.c.	8.0" w.c.
MANIFOLD PRESSURE, LP	10.0" w.c.	10.0" w.c.	10.0" w.c.	10.0" w.c.	-3.4" w.c.	-3.8" w.c.	-2.1" w.c.
BTU/HR INPUT	500,000	750,000	1,000,000	1,300,000	1,500,000	1,700,000	2,000,000
ELECTRICAL							
VOLTAGE/HEATER	120	120	120	120	120	120	120
VOLTAGE/PUMP	120	120	120	120	120	120	120
VOLTAGE/CONTROL	24	24	24	24	24	24	24
TOTAL AMPS W/PUMP	15.5	15.5	15.5	15.5	15.3	15.3	15.3
# OF ELECTRICAL CONNECTIONS	1	1	1	1	1	1	1
DIMENSIONS							
HEIGHT	44-1/2"	52-1/4"	59-1/4"	67-3/4"	65-1/2"	70"	76-3/4"
WIDTH	23-1/4"	23-1/4"	23-1/4"	23-1/4"	27-1/4"	27-1/4"	27-1/4"
DEPTH (INCLUDES PUMP)	42-3/4"	42-3/4"	42-3/4"	42-3/4"	56"	56"	56"
SERVICE CLEARANCES							
FRONT	24"	24"	24"	24"	24"	24"	24"
BACK (PIPING)	24"	24"	24"	24"	24"	24"	24"
RIGHT SIDE	0"	0"	0"	0"	0"	0"	0"
LEFT SIDE	0"	0"	0"	0"	0"	0"	0"
TOP	24"	24"	24"	24"	24"	24"	24"
VENTING							
SIZE	7"	9"	10"	12"	12"	14"	14"
VENT CATEGORY	I	I	I	I	I	I	I
VENT MATERIAL	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT	B-VENT
MAXIMUM DRAFT	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.	-0.08" w.c.
MINIMUM DRAFT	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.	-0.02" w.c.