HIGH EFFICIENCY COMMERCIAL WATER HEATERS

POWER-fin®

CONX US®
REMOTE CONNECT NOW AVAILABLE

SMART TOUCH™
TOUCHSCREEN LCD DISPLAY NOW AVAILABLE

7 MODELS: 500,000 TO 2.0 MILLION BTU/HR

5:1 TURNDOWN RATIO

OUTDOOR INSTALLATION APPROVED

CASCADING SEQUENCER WITH
CASCADE REDUNDANCY

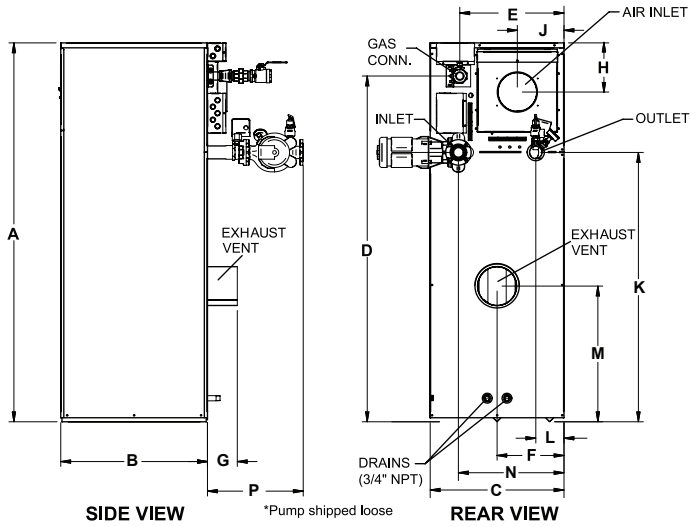


85%
Thermal Efficiency

Cosielsa

Lochinvar®
High Efficiency Water Heaters, Boilers and Pool Heaters

Power-Fin ® Water Heater Dimensions and Specifications



Model Number Guide

PF	N	1501	PM	M9
Model	Natural Gas	Btu/hr Input	Pump Mounted	Firing Controls

Power-Fin Water Heater,
Natural Gas,
1,500 ,000 Btu/hr input,
Pump Mounted, M9 firing controls

Power-Fin Water Heater Dimensions and Specifications

Model Number	Btu/Hr Input	GPH @ 100°F Rise (M/F)	A	B	C	D	E (F)	E (M)	E F	G	H	J
PFN0502PM	500,000	515	44-1/2″	28-1/2″	23-1/4″	34″	18-3/4″	18-1/2″	6-1/2″	6″	8″	7-3/4″
PFN0752PM	750,000	773	52″	28-1/2″	23-1/4″	41-3/4″	19″	18-3/4″	6-3/4″	6″	8″	7-3/4″
PFN1002PM	999,999	1,030	59-1/4″	28-1/2″	23-1/4″	48-3/4″	17″	18-3/4″	7-1/4″	6″	8″	7-3/4″
PFN1302PM	1,300,000	1,339	67-3/4″	28-1/2″	23-1/4″	57-1/4″	17″	18-3/4″	8-1/4″	6″	8″	7-3/4″
PFN1501PM	1,500,000	1,545	65-1/2″	29-3/4″	27-1/4″	59″	21″	20-3/4″	13-1/2″	8″	10″	9-1/2″
PFN1701PM	1,700,000	1,752	70″	29-3/4″	27-1/4″	63-1/2″	21″	20-3/4″	13-1/2″	8″	10″	9-1/2″
PFN2001PM	2,000,000	2,061	76-3/4″	29-3/4″	27-1/4″	70″	21″	20-3/4″	13-1/2″	8″	10″	9-1/2″

Model Number	K	L	M	N	P (F)	P (M)	Gas Conn.	Air Inlet	Vent Sizes Cat I (F)	Vent Sizes Cat II (M)	Cat IV (M)	Wt. (lbs)
PFN0502PM	23″	11-1/2″	11-1/4″	17-1/2″	15-1/4″	15-1/4″	1″	5″	7″	7″	4″	535
PFN0752PM	30-1/2″	11-1/2″	11-1/4″	17-1/2″	15-1/4″	15-1/4″	1-1/4″	5″	9″	9″	5″	584
PFN1002PM	37-3/4″	11-1/2″	11-1/4″	17-1/2″	15-1/4″	15-1/4″	1-1/4″	6″	10″	10″	6″	663
PFN1302PM	46-1/4″	11-1/2″	19-1/2″	17-1/2″	15-1/4″	15-1/4″	1-1/4″	6″	12″	12″	8″	682
PFN1501PM	43-1/2″	5-3/4″	22-1/4″	21-1/2″	24-1/2″	19-1/2″	1-1/2″	6″	12″	8″	6″	1,131
PFN1701PM	48″	5-3/4″	25″	21-1/2″	24-1/2″	19-1/2″	1-1/2″	7″	14″	9″	7″	1,166
PFN2001PM	54-3/4″	5-3/4″	27-1/2″	21-1/2″	24-1/2″	19-1/2″	1-1/2″	8″	14″	10″	8″	1,193

Notes: Change 'N' to 'L' for LP Gas Model No deration on LP models Temperature rise calculations based on firing rate of 100% All water connections are 2-1/2″

Standard Features

>85% Thermal Efficiency
>Outdoor Ready
>Modulating Burner with 5:1 Turndown
  Hot Surface Ignition
  Low NOx Operation
  Sealed Combustion
  Low Gas Pressure Operatio n
>Vertical & Horizontal Venting
  Category I or Category IV Venting
  Cat IV converts to Cat II w/optional vent kit
  CAT IV Venting up to 50 Feet
>ASME Copper-Finned Tube Heat Exchanger
  ASME Certified, "HLW" Stamped
  Gasketless design
  160 psi working pressure
> On/Off Switch
> Adjustable High Limit w/ Manual Reset
> Flow Switch
> Low Air Pressure Switch
> Downstream Test Cocks
> 150 psi Temperature & Pressure Relief Valve
> Combustion Air Filtration
> All Bronze Pump
> Zero Clearances to Combustible Material
> 1 Year Warranty on Parts
> 5 Year Limited Warranty
  (See Warranties for Details)

Smart Touch ™ Features

>SMART TOUCH Operating Control
  Full-Color 8" Touchscreen LCD Display
  CON·X·US Remote Connect
  Building Management System Integration with 0-10 VDC Input
  Dual Level Password Security
  Inlet & Outlet Temperature Readout
  Freeze Protection
  Service Reminder
  Time Clock
>Built-in Cascading Sequencer for up to 8 Water Heaters
  Built-in Redundancy
  Cascade Multiple Sized Water Heaters
  Lead/Lag Cascade
  Efficiency Optimized Cascade
>Low Water Flow Safety Control & Indication
> Data Logging
  Hours Running, Modulation Rate
  Ignition Attempts
  Last 10 Lockouts
>Programmable System Efficiency Optimizers
  Night Setback
>High-Voltage Terminal Strip
  120V/60 Hertz/1 Phase Power Supply
>Low-Voltage Terminal Strip
  24 VAC Auxiliary Device Relay
  Auxiliary Proving Switch Contacts
  Alarm on Any Failure Contacts
  Runtime Contacts
  Thermostat Contacts
  Unit Enable Contacts
  Louver Proving Contacts
  Tank Sensor Contacts
  Cascade Contacts
  0-10 VDC BMS External Control Contact

Firing Codes

M Indicates 5:1 Turndown, Category IV
F Indicates 100% On/Off Fire, Category I

M9 Standard
F9 Special Order Factory Trimmed

Optional Equipment

Cupro-Nickel Heat Exchanger
High and Low Gas Pressure Switches
  w/Manual Reset
Outdoor Kit
Low Water Cutoff
  w/ Manual Reset & Test (required for California Code)
Alarm Bell
Modbus Communications
BACnet MSTP Communications
BMS Gateway to LON or BacNet IP
>Vent Kits
  -Horizontal Exhaust Cap
  -Horizontal Air Intake Cap
  -Horizontal Direct Vent Cap
  -Category IV to Catergory II Conversion Kit

Cosielsa
Grupo Cosielsa S.A. de C.V.
Calle 1 #191, Parque Industrial Jurica
Querétaro ,Qro. México C.P. 76100
+52 (442)1531900
ventas@cosielsa.com
www.cosielsa.com