Paloma®

CONDENSING SERIES

- The Paloma Tankless for 1-3 bath homes
- 2-Pipe Direct Vent system designed for PVC Pipe
- High energy efficiency
- Double the performance with DUOnex™, or up to 20 times the performance with MIC-185
- Low NOx emissions-meets SCAQMD Rule 1146.2
- Outdoor and Direct Vent versions

Hot Water Performance

The Condensing Series in standalone SOLO Mode offers an optimal solution for most 1-3 bath homes. For homes with larger hot water needs, simply connect two units with the DUOnex™ Cable for DUO Mode performance. With the optional MIC-185, larger systems up to 20 units in size will support any luxury residential or commercial hot water vision.

PHH-32 SOLO Mode Performance						
Temperature Rise						
	35°	45°	60°	70°	80°	100°
Gallons Per Minute	9.5	8.4	6.3	5.4	4.7	3.8
Gallons Per Hour	570	504	378	324	282	228

Safety Engineering

The Condensing Series includes safety engineering you will not find on other brands:

- ICAD™, our proprietary safety system that constantly monitors combustion for evidence of unsafe carbon monoxide. On the Direct Vent model.
- Overheat Limiter Wrap, a resin film wrapped around the heat exchanger, for the earliest possible detection of unsafe overheating. On all models.

Energy Efficiency

Uses gas only when the consumer need hot water and never squanders energy when they are asleep or away from home.

0.94 Energy Factor (EF) with efficient stainless steel condensing heat exchanger

Convenience

Digital controller lets the consumer change temperature settings immediately and precisely.

Commercial Installation

Can be converted for Commercial Installations with commercial conversion kit. Temperature range for commercial: 85° to 185° F.

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.94 ENERGY FACTOR

specifications

models and venting

Outdoor
Nat. PHH-32ROFN
LP PHH-32ROFP

Direct Vent
Nat. PHH-32RDVN
LP PHH-32RDVP

BTU Input Range	11,000 ~ 199,900 (fully modulating)
Maximum Hot Water Output	9.5 GPM (35 degree rise)
Minimum Flow for Ignition	0.40 GPM
Dimensions (inches)	18 1/2 (w) x 27 1/2 (h) x 9 3/4 (d)
Working Water Pressure	14 ~ 150 psi
Temperature Range	85 ~ 140 degrees F (85 ~ 185 degrees F)
Gas Connection	3/4" NPT Female (with included gas shutoff value)
Water Connection	3/4" NPT Male
Efficiency Rating	93%
DOE Energy Factor	0.94
Gas Inlet Pressure	Natural Gas: Min 4.0" W.C.; Max. 10.5" W.C.
	LP Gas: Min. 8.0" W.C.; Max 13.0" W.C.
Low NOx compliant (SCAQMD Rule 1146.2)	Yes
Electrical Requirement	120 V/60 Hz AC, 2 Amps
Power Cord (Except Outdoor)	10-foot. 3-pin indoor power cord (pre-installed)
Freeze Protection	Minus 30 degrees F (including windchill factor)
Controller/Diagnostic Display	UMC-117
Electronic Manifold Ready?	Yes: 2 to 20 units (use MIC-185 Controller)
DUOnex™ Ready?	Yes: 2 units with DUOnex™ Cable
Gas Shutoff Valve	Included
Vent Requirement (Direct Vent)	3" PVC : 35 feet (with three 90 degree elbow)
	2" PVC : 5 feet (with one 90 degree elbow)
Net Weight	60 lbs.

safety engineering

Carbon Monoxide Safety	ICAD™, our proprietary system to monitor and optimize combustion (Not on Outdoor version).
Heat Exchanger Overheat Protection	Overheat Limiter Wrap. Resin film that surrounds the heat exchanger.
Flame Failure	Three separate flame rods to monitor flame failure.
Anti-boil Protection	Temperature sensor.
Anti-scald Protection	Bath Controller maximum temp 120 degrees F. When on, Bath Controller takes priority over others. While hot water running, Bath Controller max. temp. cannot be raised above 112 degrees F.

features

- Continuous hot water on demand
- Energy-saving design
- Energy efficiency - 40% more efficient than tank-type water heaters
- Compact, space-saving design
- Self-diagnostic program
- UMC-117 Main Digital remote control
- Remote control displays adjustable temperature settings
- Exclusive film wrap overheat limiter
- May be installed as part of a circulating water system
- Built-in electric blower on all models
- Double the performance with DUOnex™
- 2-to-20 unit systems with MIC-185 Controller
- Extensive diagnostics and error display
- High Altitude DIP Switch Adjustment

accessories

- USC1-117 First Bath Controller
- USC2-117 Second Bath Controller
- DUOnex™ Cable for 2-unit system
- MIC-185 Controller for 2-to-6 unit systems
- MICS-180 expansion board allows 7-to-20 unit systems
- MIC-6 Controller for 2-to-6 unit system
- Special vent kits
- Recess Box, Pipe Cover

in the box

- One Paloma Tankless unit
- One Digital Controller & Cable
- One gas shutoff valve
- Attached power cord (direct vent)
- Operating and Installation Manual

residential warranty

- 12-Year Limited Warranty on Heat Exchanger
- 5-Year Limited Warranty on Parts
- 1-Year Labor

For more information, visit www.palomatankless.com