

PALOMA "5.3 SERIES" TANKLESS: INDOOR VERSION

For Residential and Commercial

Model Type and Version	5.3 Series Indoor
Natural Gas Model Name	PH-20R IFSN
LP Gas Model Name	PH-20R IFSP
BTU Input Range	21,500~145,000 (LP: ~141,000)
Maximum Hot Water Output	5.3 GPM (40 degree rise)
Minimum Flow for Ignition	0.66 GPM
Dimensions (inches)	13 3/4 (w) x 20 1/2 (h) x 5 5/16 (d)
Working Water Pressure	14~150 psi
Temperature Range	100~140° F
Gas Connection	3/4" NPT Female (with included shutoff valve)
Water Connection	3/4" NPT Male
Efficiency Rating	82% (LP: 84%)
DOE Energy Factor	0.82
Gas Inlet Pressure	Natural Gas: Min. 4.8" W.C.; Max. 10.5" W.C. LP Gas: Min. 9.5" W.C.; Max. 13.5" W.C.
Low NOX compliant (SCAQMD Rule 1146.2)	Yes
Electrical Requirement	110-120 V/60 Hz AC, 2 Amps
Power Cord	10-foot, 3-pin indoor-use power cord (pre-installed)
Freeze Protection	Minus 20° F (including windchill factor)
Controller/Diagnostic Display	UMC-117 included
Electronic Manifold-Ready?	DUOnex™ ready (2-unit internal manifold controller); 2-20 units (with system controller)
Gas Shutoff Valve	Included
Vent Requirement	3" Category III stainless steel venting required.
Maximum Vent Length	30 feet (with four 90° elbows)

SAFETY ENGINEERING

Carbon Monoxide Safety	ICAD (Incomplete Combustion Avoidance Device). Proprietary Paloma technology that monitors combustion.
Heat Exchanger Overheat protection	OHL (Overheat Limiter) wrap. A resin film that surrounds the heat exchanger. When deformed by overheating, it shuts the unit down.
Flame Failure	Three separate flame rods to monitor flame failure.
Anti-boil protection	Temperature sensor
Anti-scald protection	Bath Controllers' maximum temp setting is 120°
	When ON, Bath Controllers take priority from Main Controller
	While hot water running, Bath Controllers cannot be raised up above 112°

OPTIONAL ACCESSORIES

"Main" Controller	UMC-117
"First Bath" Controller	USC1-117
"Second Bath" Controller	USC2-117
2-unit Manifolding Cable	DUOnex™ Cable
Multi-Unit System Controller	MIC-180
Multi-Unit System Controller Expansion Board	MICS-180
MIC Communication Cable	MK-16, MK-32, and MK-65
High Altitude Adjustment Chips	For use at altitudes above 3,280 feet, and up to 9,840 feet

RESIDENTIAL BENEFITS AND FEATURES

High Operating Efficiency	Uses 25~40% less gas than new 50~100 gallon gas tank water heater
Residential tax credit	Qualifies for \$300 federal tax credit as a high efficiency water heater. Must be installed on main residence.
Water Heating Capacity	Supports 1 continuous shower year-round, plus one other fixture, in all locations. (3.3 GPM continuous at 65° rise)
SoCal/Gulf Coast Sizing Note	In Southern California and other locations with year-round inlet water temperatures above 60° F, will continuously support 2 simultaneous showers (5.0 GPM at 45° rise)
Carbon monoxide safety	Paloma tankless is the creator of the Paloma ICAD, a combustion monitoring system that shuts unit down in case of elevated Carbon Monoxide levels. Installed on all indoor-install models.
Meets high volume requirements	For higher volume requirements, 2 units can be manifolded using the DUOnex communication cable.
High Altitude Optimization	Paloma is the only tankless manufacturer to optimize combustion at high altitudes

WAIWELA
Quality Water Heaters

Efficient Technology Sales, LLC
4975 East 41st Avenue
Denver, CO 80216

800-605-6542
www.waiwela.com