



CP10WN

LOWERS THE STRUCTURE'S
CARBON FOOTPRINT

SAVES WATER

FLEXIBLE PLACEMENT
OPTIONS

EASY TO OPERATE

POWER STAYS ON
DURING OUTAGES

LOW MAINTENANCE
REQUIREMENTS

Redefining energy efficiency.

Yanmar's mCHP system uses an internal combustion engine, powered by clean natural gas or propane, to produce both heat and electric power. The unit efficiently utilizes up to 88% of the fuel burn versus 33% burn rate of conventional, from-the-grid sources.

INNOVATIVE FEATURES

INCREASES THE VALUE OF YOUR STRUCTURE

Whether it's a private residence or a commercial building, you can count on the fact that the Yanmar mCHP system will add value to the property and deliver a return on your investment in a relatively short time.

WORKS WITH YOUR CURRENT SYSTEM

The Yanmar mCHP unit has a small footprint, can be placed in a variety of locations and is designed and manufactured to work in conjunction with your current energy system.

THOUSANDS OF UNITS UP AND RUNNING

While relatively new in North America, Yanmar has thousands of units installed worldwide delivering energy savings and efficiencies to satisfied customers.

NEW CONSTRUCTION OR EXISTING BUILDINGS

The Yanmar mCHP system is designed and manufactured to work with new builds, or be seamlessly integrated into existing structures.

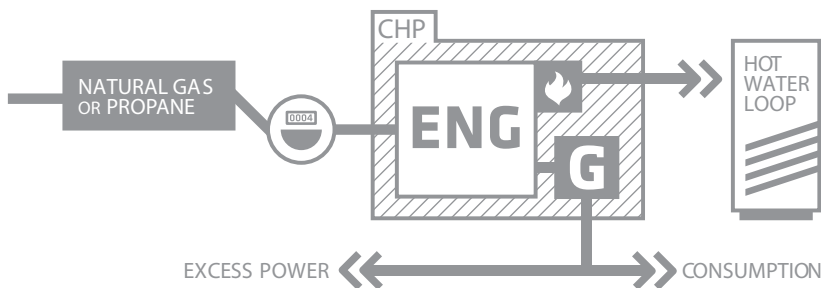


CP10WN

specifications

SPECIFICATIONS				UNITS	CP10WN-SN	CP10WN-SPB
POWER	Output	Rated output ¹		kW	10.0	
		Voltage		ACV	240/120 @ 60 Hz	
		Phases/wires		-	Single phase, 3 wire	
		Power factor		%	Above 97	
Input (Parasitic load)	Consumption	Radiator fan stopped		kW	0.39	
		Radiator fan opening		kW	0.71	
		Heater for cold region		kW	0.70	
		Voltage		ACV	240	
FUEL	Gas type			-	Natural gas	Propane
	Consumption ⁵			BTU/hr (kW) volume	107,500 (31.5) 1.08 therms/hr	112,970 (33.1) 1.33 gal/hr
HEAT RECOVERY ²	Recovered heat			BTU/hr (kW)	57,300 (16.8)	65,180 (19.1)
	Hot water temp	Inlet		°F (°C)	149 (65)	
		Outlet			°F (°C)	158 (70) Max. 172 (78)
	Hot water flow rate ³			gal/min (L/min)	12.7 (48.2)	
EFFICIENCY ²	Overall efficiency			%	85.0	88.0
	Electrical generation efficiency			%	31.5	30.0
	Exhaust heat recovery ratio			%	53.5	58.0
SOUND LEVEL	For rated load ⁴	Radiator fan stopped		dB(A)	54	
		Radiator fan operating		dB(A)	56	
DIMENSIONS	Width			in. (mm)	57.9 (1,470)	
	Depth ⁶			in. (mm)	31.5 (800)	
	Height			in. (mm)	70.5 (1,790)	
	Net weight ⁷			lb (kg)	1664 (756)	

HOW



Using natural gas or propane, the CP10WN's high-efficiency generator (G) provides 10kW of electrical power. The engine heat is captured and heats water at a rated temperature of 158 degrees (f) for immediate use or storage in an insulated tank. Excess electricity production can be sold back onto the grid in certain states, creating a credit.

- 1 Parasitic loads are included.
- 2 The heat recovery and efficiency values are those for rated output in standard atmospheric conditions.
- 3 Maximum of 5%: 13.3 gal/min (50.6 L/min)
- 4 The sound levels are maximum values measured in four directions at a distance of 3.3 ft (1.0 m).
- 5 The amount of fuel consumption based on lower calorific values.
- 6 Depth 35.4 in. (900mm) including protrusions.
- 7 Including coolant and engine oil.