



35 kW mCHP

FROM YANMAR ENERGY SYSTEMS

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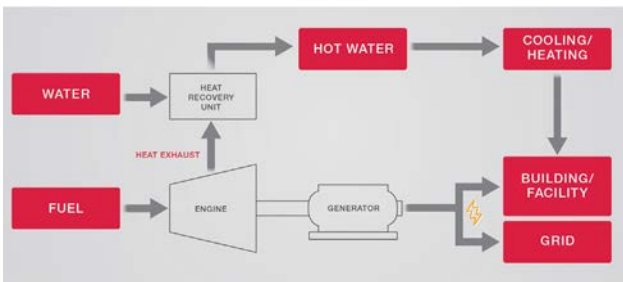


CP35D1



Using natural gas, the CP35D1's high-efficiency generator provides 35 kW of electrical power. The engine heat is captured and heats water at a rated temperature of 176°F for immediate use or storage in your facility. Excess electricity production may be sold back onto the grid in certain states, creating a credit on your electric bill.

CHP Basic Flow



Standard Model		CP35D1-TNUG	
Blackout Start Model		CP35D1Z-TNUG	
Power	Output	Rated Output	35 kW
		Voltage	208V, 60Hz
		Phases/Wires	Three phase, 3 wire
Fuel	Gas type		Natural gas
	Pressure	Standard	9 in WC (2.25 kPa)
		Range	8 -10 in WC (2 - 2.5 kPa)
	Consumption (LHV)		367,487 BTU (107.7 kW) 3.67 therms/hr
	Consumption (HHV) (*1)		407,114 BTU (119.3 kW) 4.07 therms/hr
Heat output	Rated recovered heat		204,040 BTU/h (59.8 kW)
	Rated hot water temp.	Inlet	167°F (75°C)
		Outlet	176°F (80°C)
	Rated hot water flow rate		43 GPM (164 L/min)
	Maximum hot water temp. (Outlet)		190°F (88°C)
Input power	Voltage, Frequency		208V, 60Hz
	Starting current		46 A
	Power consumption	Radiator fan stop	0.72 kW (standard) 0.75 kW (blackout start)
		Radiator fan run	0.97 kW (standard) 1.00 kW (blackout start)
Gross Efficiency (LHV)	Overall efficiency		88%
	Electrical generation efficiency		32%
	Exhaust heat recovery ratio		55%
Sound level	Radiator fan stopped		62 dB (A)
	Radiator fan operating		64 dB (A)
Dimensions	Width		78.7 in (2,000 mm)
	Depth		31.5 in (800 mm)
	Height		76.9 in (1,995 mm)
	Net weight		3,153 lb (1,430 kg) (standard) 3,196 lb (1,450 kg) (blackout start)
Maintenance Interval		7,500 hrs	
Standard Warranty		2 Years; Unlimited Hours	
YES Product Protection	10 Years / 30,000 hrs		Optional
	10 Years / 60,000 hrs		Optional
Emissions & Certifications		EPA Certified UL2200 Certified CSAC22.2 No 14-13 Certified CSAC22.2 No 100-04 Certified UL1741/IEEE1547 Certified	

*1: Natural gas calculations for fuel consumption are based on converting LHV to HHV: LHV= 983 BTU/scf, HHV = 1,089 BTU/scf



NOTE: Due to YANMAR's ongoing commitment to quality, specifications, ratings and dimensions subject to change without notice. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be in accordance with current specifications, ratings and dimensions and be performed by a qualified installer and servicing agency.