



POWER UNIT

Manufacturer	EC POWER
Generator	
Output	kW (Btu) 24 (81,891)
Type	Asynchronous / Induction
Engine	
Cylinders	Qty 4
Ignition	Distributorless, Direct Fire
Combustion	Stoichiometric
Rotation Speed	RPM 1850

EFFICIENCY

Electrical (LHV/HHV) 100% Load	31%/28.14%
Heat (LHV/HHV) 100% Load	62%/50.52%
Overall (LHV/HHV) 100% Load	93%/78.66%

ELECTRICAL

iQ25 Control Panel	
Input	480 V/ 3 PH / 60 Hz
480 Leg	(3 hot, 1 neutral, 1 ground)
Input, Max Fuse	Amps 63
Output (3 phase)	Amps kW 36 24
Short Circuit Rating (SCCR)	kA 10
Grid Connection	Direct
Protection Grade	IP 54

Q70 Heat Distributor

Input	240 Volts (1 hot, 1 neutral, 1 ground)
Input, Max Fuse	Amps 10

EXHAUST

Size	(inch) (3) Adapters Included
Material	UL 1738 Approved
Length	ft (m) 150 (45.7)
Temperature Max	°F (°C) 250 (121)

FUEL

Input	Btu (kW) 262,000 (76.8)
Type	Natural Gas
Input Max (Static)	WC (in.) 20
Input Min (Static)	WC (in.) 4.5
Connection	NPT 3/4 in. Adapter Included

HYDRONIC

Piping, Unit Connection Size	BSP 1- 1/4 in. Hoses Included
Piping, System Connection Size	NPT 1- 1/4 in. Adapters Included
Rated Hot Water Outlet	°F (°C) 185 (85)
Max. Hot Water	°F (°C) 185 (85)
Max Rated Hot Water Return	°F (°C) 167 (75)
Output	Btu (kW) 163,000 (47.7)

iQ25 CONTROL PANEL DIMENSIONS

Width	in. (mm) 23-5/8 (600)
Height	in. (mm) 23-5/8 (600)
Depth	in. (mm) 8-3/4 (210)
Weight	lb (kg) 66.1 (30)

MAINTENANCE

Interval (run hours)	Hours 4000
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ENVIRONMENT

Maximum Ambient Temperature	°F (°C) 95 (35)
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POWER (ENGINE) UNIT DIMENSIONS

Width	in. (mm) 29-1/2 (750)
Length	in. (mm) 44-1/8 (1120)
Height	in. (mm) 46-1/8 (1170)
Weight (ready to operate)	lb (kg) 1501 (681)

Q70 HEAT DISTRIBUTOR DIMENSIONS

Width	in. (mm) 21-3/4 (550)
Height	in. (mm) 23-5/8 (600)
Depth	in. (mm) 11-5/8 (295)
Weight	lb (kg) 97 (44)