

TECHNICAL DATA FOR THE XRGI® 25

Product Data Sheet, Date 18.06.2018



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Q70 iQ25



The XRGI® is a combined heat and power plant (CHP) that works on the principle of cogeneration. An XRGI® system consists of three main components: the Power Unit, Q-Heat Distributor and the iQ-Control Panel. In addition, you can also extend your XRGI® system with a storage tank with a capacity of 500, 800 or 1,000 litres for optimum operation.

ORDERING DATA

Manufacturer	EC POWER		
Model	XRGI® 25		
Article number	X250001		
Modules	Power Unit, iQ25- Control Panel, Q70 Heat Distributor		

OUTPUT

Power Modulation		50 %	75 %	100 %
Electrical output, modulating	kW	12	18	24
Thermal Output	kW	33	38	48
Power consumption, gas	kW	48	60	77

EFFICIENCIES

Power Modulation		50 %	75 %	100 %
Electrical efficiency, LCV	%	25	30	31
Thermal efficiency, LCV	%	68	63	62
Total efficiency, LCV	%	93	93	93

HYDRAULIC

Flow temperature, constant	°C	~ 85
Max. return temperature, variable	°C	5-75

FUELS

Natural gas (all qualities), propane, butane	yes
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EXHAUST GAS

Max. exhaust gas temperature	°C	120
Emissions, NO _x	kg/MWh _{ext}	<0.02
Emissions, CO	kg/MWh _{ext}	<0.02
Emissions, VOC	kg/MWh _{ext}	<0.009

POWER CONNECTION

Voltage, 3 phase	V	480
Frequency	Hz	60

SERVICE

Service interval (operating hours)	Hours	4,000
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DIMENSIONS AND WEIGHT

		XRGI® 25 Power Unit	Q70-Heat Distributor	iQ25-Control Panel
Dimensions, W x H x D	mm	750 x 1,170 x 1,120	550 x 600 x 295	600 x 600 x 210
Footprint	m ²	0.84	wall mounted	wall mounted
Weight	kg	750	44	40

All values are net. Tolerance ±5 %. Specifications subject to change without notice.

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ORDERING DATA

Manufacturer	EC POWER		
Model	XRGI® 25		
Article number	X250001		
Modules	Power Unit, iQ25- Control Panel, Q70 Heat Distributor		

OUTPUT

Power Modulation		50 %	75 %	100 %
Electrical output, modulating	kW	12	18	24
Thermal Output	BTU/hr	112,000	129,000	163,000
Power consumption, gas	BTU/hr	163,000	204,000	262,000

EFFICIENCIES

Power Modulation		50 %	75 %	100 %
Electrical efficiency, LCV	%	25	30	31
Thermal efficiency, LCV	%	68	63	62
Total efficiency, LCV	%	93	93	93

HYDRAULIC

Flow temperature, constant	°F	~ 185
Max. return temperature, variable	°F	41-167

FUELS

Natural gas (all qualities), propane, butane	yes
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EXHAUST GAS

Max. exhaust gas temperature	°F	248
Emissions, NO _x	lbs/MWh _{est}	<0.04
Emissions, CO	lbs/MWh _{est}	<0.04
Emissions, VOC	lbs/MWh _{est}	<0.02

POWER CONNECTION

Voltage, 3 phase	V	480
Frequency	Hz	60

SERVICE

Service interval (operating hours)	Hours	4,000
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DIMENSIONS AND WEIGHT

		XRGI® 25 Power Unit	Q70-Heat Distributor	iQ25-Control Panel
Dimensions, W x H x D	in	29.5 x 44.1 x 46.1	21.6 x 23.6 x 11.6	23.6 x 23.6 x 8.3
Footprint	sqft	9	wall mounted	wall mounted
Weight	lbs	1500	97	88

All values are net. Tolerance ±5 %. Specifications subject to change without notice.