

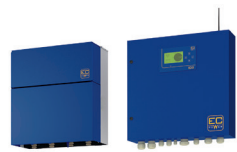
# TECHNICAL DATA FOR THE XRGI® 25

Product Data Sheet, Date 18.06.2018



WWW.ECPOWER.EU

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		
EXHAUST GAS	Max. exhaust gas temperature	°C	120		
	Emissions, NO <sub>x</sub>	kg/MWh <sub>est</sub>	<0.02		
	Emissions, CO	kg/MWh <sub>est</sub>	<0.02		
	Emissions, VOC	kg/MWh <sub>est</sub>	<0.009		
POWER CONNECTION	Voltage, 3 phase	V	480		
	Frequency	Hz	60		
SERVICE	Service interval (operating hours)	Hours	4,000		
DIMENSIONS AND WEIGHT			<b>XRGI® 25 Power Unit</b>	<b>Q70-Heat Distributor</b>	<b>iQ25-Control Panel</b>
	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 <sup>2</sup>	0.84	wall mounted	wall mounted
	Weight	kg	750	44	40

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

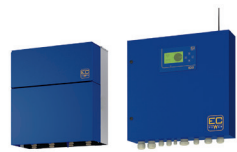
# TECHNICAL DATA FOR THE XRGI® 25

Product Data Sheet, Date 18.06.2018



WWW.ECPOWER.EU

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 130, 210 or 260 gallons 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	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		
EXHAUST GAS	Max. exhaust gas temperature	°F	248		
	Emissions, NO <sub>x</sub>	lbs/MWh <sub>est</sub>	<0.04		
	Emissions, CO	lbs/MWh <sub>est</sub>	<0.04		
	Emissions, VOC	lbs/MWh <sub>est</sub>	<0.02		
POWER CONNECTION	Voltage, 3 phase	V	480		
	Frequency	Hz	60		
SERVICE	Service interval (operating hours)	Hours	4,000		
DIMENSIONS AND WEIGHT			<b>XRGI® 25 Power Unit</b>	<b>Q70-Heat Distributor</b>	<b>iQ25-Control Panel</b>
	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.