

Specifications for NXR4i

Specification									
Model			8-357	9-419	10-481	11-543	12-605	13-667	14-729
Performance	Fuel Type								
Output @ 80 / 60°C	NG	kW	357	419	481	543	605	667	729
Input (Net) Maximum	NG	kW	394	462	530	597	666	731	798
Output @ 80 / 60°C	Oil	kW	357	419	481	543	605	667	729
Input (Net) Maximum	Oil	kW	394	462	530	597	666	731	798
Efficiency									
Efficiency @ 80 / 60°C	NG	% Gross	82	82	82	82	82	83	83
Efficiency @ 80 / 60°C	Oil (35sec)	% Gross	85	85	85	85	85	85	85
Gas									
Gas Consumption (NG)		m ³ /h	41.2	48.4	55.5	62.5	69.7	76.5	83.6
Gas Consumption (Heating Oil 35sec)		Kg/h	35.6	41.8	47.9	54	60.2	66.1	72.2
Inlet Gas Pressure (NG G20)		m/bar	Dependent on Burner						
Gas Connection Size		inch	Dependent on Burner						
Gas Connection Type			Dependent on Burner						
Flue									
Flue Gas Volume - NG		kg/h	630	740	850	960	1070	1170	1280
Flue Gas Volume - Oil (35 sec)		kg/h	600	710	810	910	1020	1120	1220
Flue Gas Temperature		°C	<190						
Max Flue Gas Pressure @ Outlet		m/bar	0						
Hydraulic									
Water Flow Rate @ 11°C ΔT		m ³ /h	27.9	32.8	37.6	42.5	47.3	52.2	57
Water Flow Rate @ 20°C ΔT		m ³ /h	15.4	18	20.7	23.4	26	28.7	31.4
Hydraulic Resistance @ 11°C ΔT		kPa	21	34	52	69	87	112	140
Hydraulic Resistance @ 20°C ΔT		kPa	6	10	16	21	26	34	42
Water Content		Litres	366	409	452	495	538	581	624
Flow & Return Connection Size		inch	2.5"	2.5"	2.5"	3"	3"	3"	3"
Flow & Return Connection Type			Welded						
Flue Connection Size		mm	250	250	250	300	300	300	300
Max Boiler Operating Pressure		bar	6						
Min Boiler Operating Pressure		bar	1						
Maximum Flow Temperature		°C	90						
General									
Appliance Dry Weight		Kg	1802	2072	2238	2454	2638	2880	3057
Dimension W x D x H (excluding burner)		mm	1000 x 1800 x 1500	1000 x 1950 x 1500	1000 x 2120 x 1500	1000 x 2305 x 1500	1000 x 2425 x 1500	1000 x 2625 x 1500	1000 x 2785 x 1500
NOx Level (Dry @ 0% O2)		mg/kWh	Dependent on Burner						
CO2 Content - Natural Gas		%	9.5						
CO2 Content - Oil		%	13						
Noise Levels @ 1 metre from unit		dB(A)	Dependent on Burner						
High Level Ventilation* (BS 6644)		cm ²	788	924	1060	1194	1332	1462	1596

Low Level Ventilation* (BS 6644)	cm ²	1576	1848	2120	2388	2664	2924	3192
Electrical								
Power consumption	W	Dependent on Burner						
Nominal supply voltage	V / Hz	230 v 1 Ph 50 Hz						