

Specifications for NXR5i

Specification													
Model		14-810	15-870	16-930	17-990	18-1055	19-1100	20-1160	21-1220	22-1280	23-1340	24-1400	25-1460
Performance	Fuel												
Output @ 80 / 60°C	NG kW	810	870	930	990	1055	1100	1160	1220	1280	1340	1400	1460
Input (Net) Maximum	NG kW	890.4	966.7	1024.3	1093.1	1147.3	1216.3	1267.8	1335.5	1403.7	1464.3	1543.3	1595.1
Output @ 80 / 60°C	Oil kW	812	870	928	986	1044	1102	1160	1218	1276	1334	1400	1450
Input (Net) Maximum	Oil kW	890.4	966.7	1024.3	1093.1	1147.3	1216.3	1267.8	1335.5	1403.7	1464.3	1543.3	1595.1
Efficiency	Value (%)												
Efficiency gas	% Gross	84.23	84.91	84.26	84.33	84.55	84.48	84.73	84.53	84.34	84.64	84.97	84.48
Efficiency oil	% Gross	87.6	88.3	87.6	87.7	87.9	87.9	88.1	87.9	87.9	88	88.4	87.8
Gas													
Gas Consumption (NG)	m3/h	84	91.2	96.6	103.1	108.2	114.7	119.6	126	132.4	138.1	145.6	150.5
Oil Consumption (35 - sec)	Kg/h	75.5	81.9	86.8	92.6	97.2	103.1	107.4	113.2	119	124.1	130.8	135.2
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 - Gas	kg/h	1450	1550	1650	1760	1860	1960	2070	2170	2270	2380	2480	2580
Flue Gas Volume - Oil (35 sec)	kg/h	1380	1480	1580	1670	1770	1870	1970	2070	2170	2260	2360	2460
Flue Gas Temperature	°C	<190											
Max Flue Gas Pressure @ Outlet	m/bar	0											
Min Flue Gas Pressure @ Outlet		-0.05											
Hydraulic													
Water Flow Rate @ 11°C ΔT	m³/h	63.5	68	72.5	77.1	81.6	86.1	90.7	95.2	99.7	104.3	109.4	113.3
Water Flow Rate @ 20°C ΔT	m³/h	34.9	37.4	39.9	42.4	44.9	47.4	49.9	52.4	54.9	57.4	60.2	62.3
Hydraulic Resistance @ 11°C ΔT	kPa	67.2	77.6	26.2	30.2	35.8	41.4	48	53.6	59.2	64.8	71.6	78.4
Hydraulic Resistance @ 20°C ΔT	kPa	16.8	19.4	6.5	7.6	9	10.4	12	13.4	14.8	16.2	17.9	19.6
Water Content	Litres	655	693	731	769	807	845	905	943	981	1019	1057	1095
Flow & Return Connection Size	mm	139.7	139.7	139.7	139.7	159	159	159	159	159	159	159	159
Flow & Return Connection Type		Welded											

Flue Connection Size	mm	400	400	400	400	400	400	400	400	Plain Plate, requires cutting			
Max Boiler Operating Pressure	bar	6											
Min Boiler Operating Pressure	bar	1											
Maximum Flow Temperature	°C	90											
General													
Appliance Dry Weight	Kg	3171	3364	3561	3756	3955	4124	4343	4538	4734	4930	5107	5297
Dimension W x D x H	mm	1172 x 2538 x 1805	1172 x 2649 x 1805	1172 x 2760 x 1805	1172 x 2871 x 1805	1172 x 3071 x 1805	1172 x 3128 x 1805	1172 x 3279 x 1802	1172 x 3390 x 1805	1172 x 3501 x 1804	1172 x 3612 x 1805	1172 x 3723 x 1805	1172 x 2834 x 1805
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)	cm2	1781	1933	2049	2186	2295	2433	2536	2671	2807	2929	3087	3190
Low Level Ventilation* (BS 6644)	cm2	3562	3866	4098	4372	4590	4866	5072	5342	5614	5858	6174	6380
Electrical													
Power consumption	W	Dependent on Burner											
Nominal supply voltage	V / Hz	230 v 1 Ph 50 Hz											