

INTRODUCING THE REMEHA GAS 220 ACE



FEATURES AND BENEFITS

COMING SOON

The new Gas 220 Ace is based on proven technology – a new generation floor-standing boiler, with a new aluminium monoblock platform and an even higher output to physical size ratio.

Built on the new aluminium monoblock platform	Uses the very latest technology
High output to physical size ratio	Plant room space reduction and easier access through doors and lifts
High-efficiency $\geq 97.2\%$	Energy savings reducing gas consumption
Lightweight and supplied with integral wheels	Easy to manoeuvre in plant room
Controls supplied as standard	Time and temperatures can be set and controlled by the end user
In built 0-10v and free volt contacts	Can connect to any BMS without additional parts needed
Cleanable heat exchanger – as with all Remeha models	Dry side can be examined and descaled. Cleaning tool and gaskets available
'Click and Go' condensate drain underneath – not inside	Ease of installation
Optional low temperature secondary return kit	Optimised operation with variable temperature systems and renewable technologies
Multiple flueing capabilities	Flexible installation in new and existing buildings
Low NOx to ErP Ecodesign (iii) 2018 and EN15502 Pt1 2015 Class 6	Future proof for emissions regulations
Internal light	Aids servicing in plantrooms

	160	200	250	300
PERFORMANCE				
Nominal output central heating operation (80/60°C) min-max	31.5-152.1	39.4-194.4	49.2-243.3	59.0-290.9
Nominal output(kW) central heating operation (50/30°C) min-max	34.7-161.1	43.2-209.8	54.1-261.0	65.0-310.7
Nominal input (kW) central heating operation (Hi) min-max (kW)	32-156	40-200	50-250	60-299
EFFICIENCY				
SBEM seasonal efficiency GCV (%)	95.9	95.5	95.6	95.8
Full load central heating efficiency (Hi) (80/60°C) (92/42/EEC) (%)	97.5	97.2	97.3	97.3
Part load central heating efficiency (92/42/EEC) (return temperature 30°C) (%)	108.5	108	108.2	108.4
Useful efficiency at rated heat output and high temperature regime(4) η_4 %	87.8	87.6	87.7	87.7
Useful heat output at 30% of rated heat output and low temperature regime (4) η_1 %	97.8	97.3	97.5	97.7
GAS				
Standard gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas
Optional fuel adjustment - see installation manual	LPG (propane)	LPG (propane)	LPG (propane)	LPG (propane)
Gas consumption G20 (H gas) min-max m3/h	3.4-16.5	4.2-21.2	5.3-26.5	6.3-31.6
Gas consumption G31 (propane) min-max m3/h	1.4-6.3	1.6-8.2	2.1-10.2	2.8-12.2
Gas inlet pressure G20 (H gas) min-max Mbar	17-25	17-25	17-25	17-25
Gas inlet pressure G31 (propane) min-max Mbar	37-50	37-50	37-50	37-50
Gas connection size BSP inches (")	1" Male threaded	1½" Male threaded	1½" Male threaded	1½" Male threaded
Flame protection	Ionisation	Ionisation	Ionisation	Ionisation
Ignition	Electronic	Electronic	Electronic	Electronic
FLUE				
Flue diameter I/D mm	150	200	200	200
Air inlet diameter I/D mm	150	200	200	200
Flue gas quantity(1) min-max kg/h	57-277	71-355	89-444	107-531
Maximum counter pressure Pa	200	150	150	150
HYDRAULICS				
Water content (ltr)	17	33	33	33
Hydraulic resistance ($\Delta T=20K$) (mbar)	190	100	150	200
Nominal flow rate ($\Delta T=20K$) (l/s)	1.81	2.31	2.90	3.46
Condensate connection (OD mm)	40	40	40	40
Connection size (BSP inch)	1¼"	2"	2"	2"
Standard operating temperature (OC)	20-90	20-90	20-90	20-90
Maximum operating temperature (OC)	90	90	90	90
Maximum water temperature (OC)	110	110	110	110
Max water operating pressure (bar)	5	5	5	5
Min water operating pressure (bar)	0.8	0.8	0.8	0.8
GENERAL				
Boiler weight (kg)	205	245	245	245
Dimensions (WxHxD)	800 x 1662 x 657	800 x 1662 x 657	800 x 1662 x 657	800 x 1662 x 657
BREEAM NO _x (mg/kWh)	36	40	38	35
ELECTRICAL				
Nominal power (VAC/Hz)	230/50	230/50	230/50	230/50
Power consumption min-max (w)	47-275	57-204	57-323	48-343
Modulating input (V. dc)	0-10	0-10	0-10	0-10
Fuse rating (amps)	6.3	6.3	6.3	6.3
Electrical protection index (IP)	X0B	X0B	X0B	X0B