

CELL CONDENSE-SS SERIES

FLOOR TYPE CONDENSING BOILER

new

SPECIFICATIONS

- High efficiency with Premix condensation technology and micro-flame metal fiber coated steel burner,
- High performance and long-lasting durability with expanded surface area and sheet thickness in the stainless steel heat exchanger,
- Heat exchanger protection with magnetic residue protection integrated in the boiler,
- Low back pressure thanks to the collector structure,
- Trouble-free operation of other boilers in case of failure of one or more boilers,
- 11 different large capacity options as 300, 420, 480, 600, 720, 900, 1040, 1210, 1310, 1510, 1810, in single boiler,
- Wide thermal capacity option up to 16,800 kW, thanks to the cascade connection of 16 boilers in cascade systems,
- Energy saving through 5:1 modulating operation,
- Illuminated LCD panel for ease of use,
- Daily and weekly operation schedule can be programmed,
- Preparing summer and winter seasonal heat program,
- Option of use with Natural gas and LPG,
- Operation at lower noise values,
- Frost protection feature,
- Eco-friendly heating systems with low NOx and CO emission rates,



AREAS OF USE



House/Residence



Hotels



Hospitals



Schools



Plazas
Shopping Malls



Gyms



Swimming
Pools



ECODENSE **CELL CONDENSE-SS** SERIES

FLOOR TYPE CONDENSING BOILER SPECIFICATIONS

TECHNICAL SPECIFICATIONS	Unit	CELL CONDENSE 300	CELL CONDENSE 420	CELL CONDENSE 480	CELL CONDENSE 600	CELL CONDENSE 720	CELL CONDENSE 900	CELL CONDENSE 1040	CELL CONDENSE 1210	CELL CONDENSE 1310	CELL CONDENSE 1510	CELL CONDENSE 1810
Thermal Capacity												
Maximum Heating Capacity	kW	284	400	463	565	695	849	1003	1151	1242	1418	1700
Minimum Heating Capacity	kW	40	56,8	79,5	80	119	119,5	160	197	200	200	241
Maximum Heat Output (80°C / 60°C)	kW	276	392	450,8	552	676,2	828	980	1127	1225	1380	1656
Minimum Heat Output (80°C / 60°C)	kW	39	55,6	77,6	78	116,4	117	156	194	195	195	234
Maximum Heat Output (50°C / 30°C)	kW	302	420	484	604	726	906	1048	1210	1310	1510	1812
Minimum Heat Output (50°C / 30°C)	kW	43	61,6	85,2	86	127,8	129	172	213	215	215	258
Thermal Efficiency												
Efficiency @ Pmax. (80°C / 60°C)	%	97,2	98	97,4	97,7	97,3	97,5	97,7	97,9	98,6	97,3	97,4
Efficiency @ Pmin. (80°C / 60°C)	%	97,5	97,9	97,6	97,5	97,8	97,9	97,5	98,5	97,5	97,5	97,1
Efficiency @ Pmax. (50°C / 30°C)	%	106,3	105	104,5	106,9	104,5	106,7	104,5	105,1	105,5	106,5	106,6
Efficiency @ Pmin. (50°C / 30°C)	%	107,5	108,5	107,2	107,5	107,4	107,9	107,5	108,1	107,5	107,5	107,1
Efficiency @ %30 (30°C)	%	108,2	108,3	108,1	108,2	108,4	108,5	108,6	108,3	108,5	108,7	108,9
Domestic Hot Water Circuit												
Temperature adjustment range with external storage tank usage	°C	10-65	10-65	10-65	10-65	10-65	10-65	10-65	10-65	10-65	10-65	10-65
Central Heating Circuit												
Maximum Operating Temperature	°C	90	90	90	90	90	90	90	90	90	90	90
Water Volume	L	14	28	28	36	42	56	56	70	90	84	108
Maximum Operating Pressure	bar	6	6	6	6	6	6	6	6	6	6	6
Minimum Operating Pressure	bar	1	1	1	1	1	1	1	1	1	1	1
Gas Specifications												
Gas Type	-	G20-G31	G20-G31	G20-G31	G20-G31	G20-G31	G20-G31	G20-G31	G20-G31	G20-G31	G20-G31	G20-G31
Gas Inlet Pressure (G20)	mbar	20	20	20	20	20	20	20	20	20	20	20
Gas Inlet Pressure (G31)	mbar	37	37	37	37	37	37	37	37	37	37	37
Maximum gas consumption	Nm ³ /h	29,81	41,70	47,95	59,63	71,93	83,39	104,24	119,90	149,10	143,88	178,92
Minimum gas consumption	Nm ³ /h	4,16	5,92	8,32	8,32	12,48	11,84	16,64	20,80	20,80	24,96	24,96
Combustion Specifications												
Maximum Flue Gas Temperature (50°C / 30°C)	°C	45	45	45	45	45	45	45	45	45	45	45
Maximum Flue Gas Temperature (80°C / 60°C)	°C	65	65	65	65	65	65	65	65	65	65	65
NOx Emission Class (EN 15502-1+A1)	-	6	6	6	6	6	6	6	6	6	6	6
Electrical Specifications												
Electrical Supply	V / Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Protection Class	IP	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D	X4D
Energy Consumption	W	600	800	800	1200	1200	1600	1600	2000	2000	2400	3600
Fuse Current	A	6	6	6	6	6	6	6	6	6	6	6
Circuit Specifications												
Gas Connection Diameter	inch	1 1/2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Central Heating Circuit Inlet/Outlet Diameter	inch	3"	3"	3"	3"	3"	5"	5"	5"	5"	5"	5"
General Specifications												
Net Weight	kg	258	420	476	515	714	840	986	1190	1288	1428	1546
Flue Diameter (Ø)	mm	200	200	200	200	250	250	250	300	300	350	350
G 20 Natural Gas, G 31 LPG												