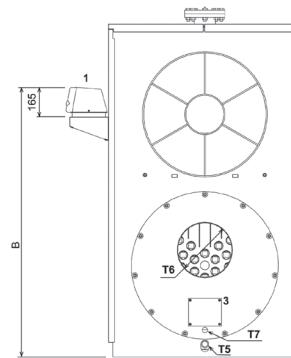
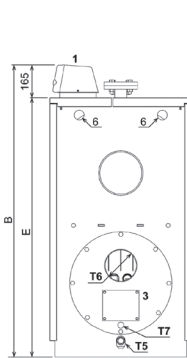
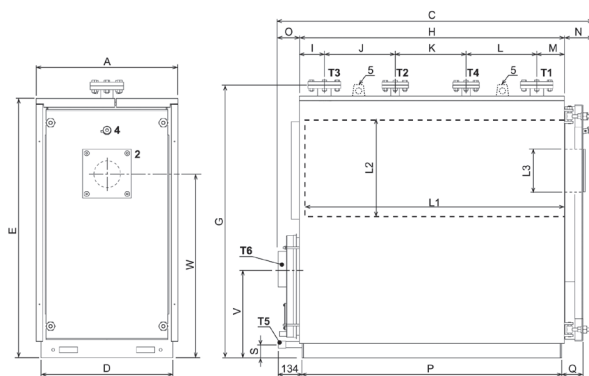


TP3 COND

THREE PASS CONDENSING STEEL BOILER



- **High-water steel condensing boiler**, ready to be coupling with **oil or gas jet burner**
- Three flue gas passes:
 - * **Floating combustion chamber** with cooled end plate and a **very low volumetric heating**
 - * **Big pipe for the second pass in INOX 2205**; with the flue gas recovery from the bottom of the combustion chamber
 - * Tube bundle for the third flue gas pass in INOX 2205 to ensure the highest resistance to corrosive condensation; located at the lower part of the hot water generator, fitted with steel inox turbulators to increase convective heat exchange and the condensing process.
- **Front door with reversible opening** from both sides and **innovative closing system with four micrometric adjustment** on the boiler body. Heat insulation using material with excellent insulating properties and reduced thermal inertia, protected by refractory material on the furnace side and on the flue gas pass side.
- Double heating system return for a correct installation with the low and medium temperature returns. All models of the series have flanged fittings complete with counterflanges
- **Very small frontal size** for an easy access to the thermal power station
- **High efficiency system**
- **Maximum operating pressure 6 bar**
- **Maximum design temperature 100°C**
- **Satellite control panel** in two versions: thermostatic or electronic



> KEY

- T1** Central heating Outlet
- T2** High temperature CH inlet
- T3** Low temperature CH inlet
- T4** Safety connection
- T5** Boiler drain
- T6** Flue drain
- T7** Condensate drain
- 1** Control panel
- 2** Burner plate
- 3** Cleaning door flue gas
- 4** Flame control



MODEL		65	100	150	230	370	500	650
ERP class		A	-	-	-	-	-	-
Thermal input power (kW)	Max	61,3	94,3	141,5	217	349,1	471,7	613,2
	Min	18,4	28,3	42,5	65,1	104,7	141,5	184
Thermal output power (80/60°C) (kW)	Max	59,5	91,5	137,3	210,5	338,6	457,5	594,8
	Min	18	27,7	41,6	63,8	102,6	138,7	180,3
Thermal output power (50/30°C) (kW)	Gas	Max	65	100	150	230	370	500
		Min	19,7	30,3	45,4	69,7	112	151,4
	Oil	Max	62,9	96,7	145	222,4	357,8	483,5
		Min	19,1	29,4	44,2	67,7	108,9	147,2
Efficiency (50/30°C) (%)	Gas	Max	106	106	106	106	106	106
		Min	107	107	107	107	107	107
	Oil	Max	102,5	102,5	102,5	102,5	102,5	102,5
		Min	104	104	104	104	104	104
Efficiency 30%	Gas	Max	107,5	107,5	107,5	107,5	107,5	107,5
	Oil	Min	104,5	104,5	104,5	104,5	104,5	104,5
Maximum operating pressure	bar	6	6	6	6	6	6	6
Loss pressure water side	mbar	0,4	0,65	1,7	1,7	2	3,5	4,2
Protection rating		IPX0D						
Electrical power supply	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Empty weight	Kg	377	436	490	645	1035	1338	1451
CODE		ORGZ3AXA	ORGZ4AXA	ORGZ5AXA	ORGZ8AXA	ORGZBAXA	ORGZDAXA	ORGZXAXA
THERMOSTATIC CONTROL BOARD CODE		0Q2K09XA						
EBM ELECTRONIC CONTROLLER		0QC070XA						

DIMENSIONS AND CONNECTIONS

MODEL			65	100	150	230	370	500	650
Dimensions	A	mm	700	700	700	800	950	1050	1050
	B	mm	1437	1437	1437	1637	1462	1462	1462
	C	mm	1157	1377	1577	1777	1987	2187	2387
	D	mm	650	650	650	750	900	1000	1000
	E	mm	1275	1275	1275	1475	1655	1805	1805
	G	mm	1335	1335	1335	1535	1715	1860	1860
	H	mm	878	1098	1298	1498	1698	1900	2100
	I	mm	123	123	123	142	172	179	179
	J	mm	200	260	350	400	450	500	600
	K	mm	200	300	320	400	450	500	600
	L	mm	200	260	350	400	450	500	500
	M	mm	155	155	155	156	176	221	221
	N	mm	157	157	157	157	167	167	167
	O	mm	122	122	122	122	122	120	120
	P	mm	846	1066	1266	1467	1667	1867	2067
	Q	mm	134	134	134	134	144	144	144
	S	mm	80	80	80	80	70	70	70
	V	mm	450	443	435	500	550	587	580
	W	mm	905	905	905	1055	1200	1315	1315
Central Heating Outlet	T1		DN 50	DN 50	DN 50	DN 65	DN 80	DN 100	DN 100
High temperature CH Inlet	T2		DN 40	DN 40	DN 40	DN 40	DN 50	DN 65	DN 65
Low temperature CH Inlet	T3		DN 50	DN 50	DN 50	DN 65	DN 80	DN 100	DN 100
Safety connection	T4		DN 40	DN 40	DN 40	DN 40	DN 50	DN 65	DN 65
Boiler drain	T5		1"	1"	1"	1"	1"	1"	1"
Flue Outlet	T6	ØE mm	160	160	160	200	250	300	300