

KCB COMBI BOILER



Floor heating system and sanitary hot water supply boiler by taking advantage of solar energy in villas, supports minimum standards of two layer coated enamel and excellent isolation to save fuel, heating coil system fed by external solar energy is used for heating of external tank heating circuit to heat environment. In addition, due to large amount of water in external tank, this water inside the tank that used for heating to enamel-coated inner tank, allowing users to continually meet the hygienic hot water needs by economically.

Total Volume	lt	KCB	KCB	KCB	KCB	KCB	KCB	KCB	KCB	KCB
		500 / 100	500 / 160	800 / 160	1000 / 160	1000 / 200	1500 / 200	1500 / 350	2000 / 200	2000 / 350
		kW	kW	kW	kW	kW	kW	kW	kW	kW

CONTINUOUS CAPACITY : Heater system outlet 45 °C - returns 30 °C

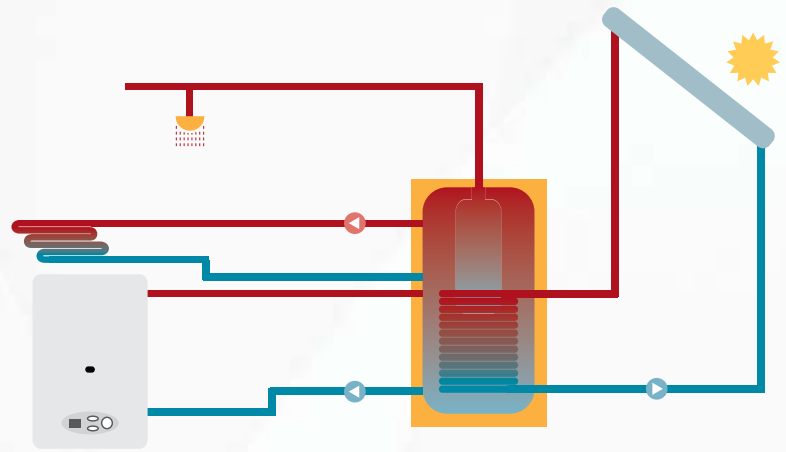
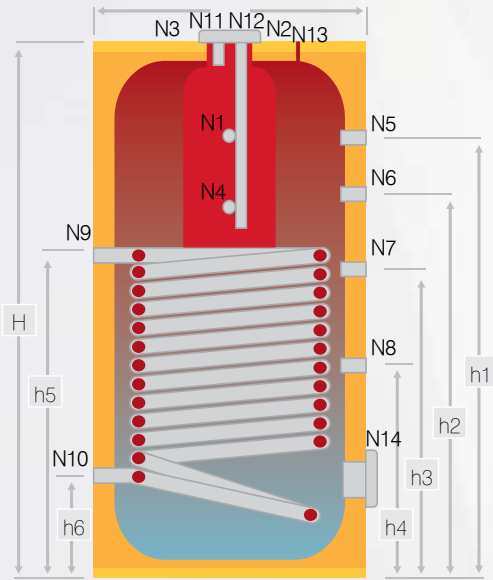
Heating Fluid Temp. 70 / 55 °C	49.4	49.4	59.6	59.6	59.6	77.5	77.5	93.3	93.3
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CONTINUOUS CAPACITY : Heater system outlet 40 °C - returns 25 °C

Heating Fluid Temp. 60 / 45 °C	35.2	35.2	42.5	42.5	42.5	55.2	55.2	66.6	66.6
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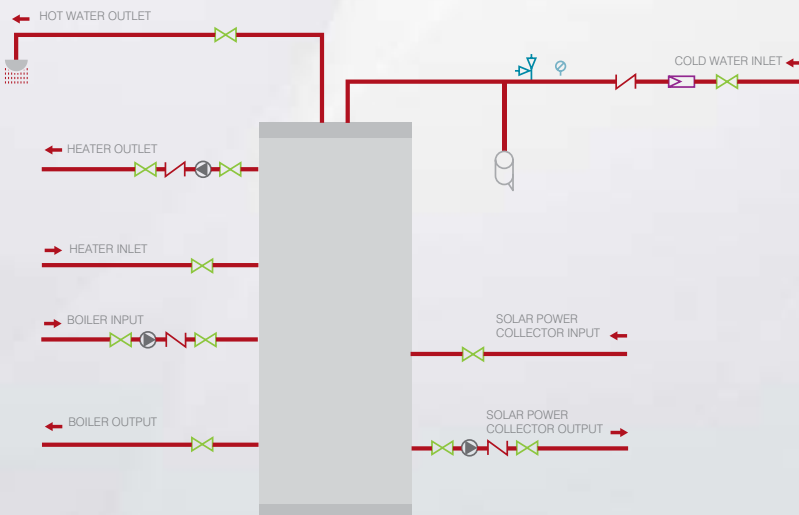
Heating Fluid Flow Rate m³ / h	3.5	3.5	3.5	4	4	5.5	5.5	6.5	6.5
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APPLICATION FOR COMBI BOILER



SIZE SPECIFICATIONS		KCB 500/100	KCB 500/160	KCB 800/160	KCB 1000/160	KCB 1000/200	KCB 1500/200	KCB 1500/350	KCB 2000/200	KCB 2000/350
Total Volume	V (lt)	500	500	800	1000	1000	1500	1500	2000	2000
Body Diameter	Ø D (mm)	750	750	900	1000	1000	1120	1120	1260	1260
Inner tank volume	V (lt)	100	160	160	160	200	200	350	200	350
Total Height	H (mm)	1810	1810	2100	2070	2070	2300	2300	2230	2230
Thermometer	N1 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Sanitary Hot Water Outlet	N2- N3 (inch)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"
Sensor	N4 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Radiator input-output	N5 - N6 (inch)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Heater fluid input-output	N7- N8 (inch)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Serpentine input-output	N9- N10 (inch)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Additional electrical heater	N11 (inch)	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Magnesium anode	N12 (inch)	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Air inlet	N13 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Cleaning Flange	N14 (inch)	4"	4"	5"	5"	5"	5"	5"	5"	5"
Serpentine Surface	S (m2)	2,46	2,46	2,97	2,97	2,97	3,86	3,86	4,65	4,65
Isolation Type	i (mm)	PU / 50	PU / 50	SU / 80	SU / 80	SU / 80	SU / 80	SU / 80	SU / 80	SU / 80
Net Weight	G (kg)	225	240	325	350	365	505	525	580	600
Gross Weight	G' (kg)	246	261	386	392	407	570	590	645	665
Detailed Height Size	h1 (mm)	1523	1.523	1740	1655	1655	1965	1965	1820	1820
	h2 (mm)	1070	1070	1205	1185	1185	1520	1520	1390	1390
	h3 (mm)	970	970	1105	1085	1085	1075	1075	1240	1240
	h4 (mm)	510	510	570	610	610	630	630	730	730
	h5 (mm)	1010	1010	1070	1110	1110	1135	1135	1280	1280
	h6 (mm)	360	360	420	460	460	415	415	500	500

FLOW DIAGRAM



- CIRCULATION PUMP
- ON/OFF VALVE
- CHECK VALVE
- MANOMETER
- CONTAMINATION
- FILTER SAFETY VALVE
- CLOSED EXPANSION TANK