COMPAK

Compak heat pumps for sustainable domestic hot water are the ideal solution to enviroments where climate control needs are already covered. Its degree of efficiency means it is considered a renewable energy system and meets current regulations. Its "Plug & Play" installation could not be easier, and the ability to channel suction / discharge of air increases the range of possibilities regarding its application.

Choosing the Combo means taking care of the planet and reducing the emission of greenhouse gases, a saving of up to 45% on bills* and you can even avoid costs associated with the gas bill and dangers associated with the fuel/gas itself. The equipment can operate with extreme outdoor temperatures without the need for electrical elements, which will be used only if necessary to provide immediacy.

Desinfection mode

The **Combo** has an antilegionella desinfection mode. By default, it is done one a week.

New R290 ranges

The new ranges of wall and floor combos use R290 refrigerant, which has a lower enviromental impact than its predecessor. A new, more compact and elegant design has been made.

Propan
R290
ECO FRIENDLY

Silent

The technology used reduces vibrations and minimises the noise produced by the operation of the equipment.

WALL HUNG COMPAK

All the benefits from the Compak heat pump boilers, but in small sizes (80 to 150 lts), prepared to be installed hung from the wall. Using R290, gets the maximum efficacity.

SMART GRID READY · R-290 REFRIGERANT · DOMESTIC HOT WATER · Wi-Fi · SMART HOME · MODBUS · ON/OFF CONTACT · KEYMARK

		KHP-08/80 ACS1	KHP-09/100 ACS1	KHP-09/150 ACS1
Width / Height / Depth	mm	-- / 1196 / --	-- / 1360 / --	-- / 1707 / --
Diameter	mm	500	500	500
Net weight	kg	56	62	80
Capacity	l	78	98	145
Heating capacity rated	kW	0.95	0.98	1.30
Water pipe connections inlet/outler	inch	1/2"	1/2"	1/2"
Heat coil max. working pressure	MPa	0.8	0.8	0.8
Electrical heater; Standard support	kW	1.5	1.5	1.5
Air intake & outlet; Diameter	mm	160	160	160
Air intake & outlet; Useful static pressure	Pa	50	50	50
Air intake & outlet; Max. length	m	≤ 5	≤ 5	≤ 5
Air intake & outlet; Outdoor air flow	m^3/h	190	200	240
Sound pressure rated	dB(A)	54	54	56
Sound power level	dB(A)	54	54	56
Type refrigerant		R-290	R-290	R-290
Refrigerant charge	kg	0.15	0.15	0.15
Average climate in DHW. Energy class		A+	A+	A+
Average climate in DHW. SCOP,ACS / Load profile		2.61 / M	2.61 / M	2.67 / L
Average climate in DHW. Standby power		14	19	23
Average climate in DHW. Keymark certification. Heating time		4:40	6:04	6:32
Average climate in DHW. Reference hot water temperature		52.8	52.7	51.9
Average climate in DHW. Volume of hot water at 40°C		85	110	160
Maximum supply temperature / Anti-legionella function		+65 / +70	+65 / +70	+65 / +70
Temperature DHW max. with support	°C	70	70	70

Sound pressure: Sound pressure calculated at 1 m from the equipment.

R290 FLOOR STANDING COMPAK

Our traditional Comak heat pump boilers to be installed on floor, updated with the new R290 gas, increasing its efficiency (what means less consumption), and changing totally its aesthe- tics. Wifi and Smart grid always included.

SMART GRID READY | R-290 REFRIGERANT | DOMESTIC HOT WATER | Wi-Fi | MODBUS | ON/OFF CONTACT

Model		KHP-15/185 ACS3	KHP-15/285 ACS3
Width / Height / Depth	mm	-- / 1745 / --	-- / 1895 / --
Diameter	mm	552	650
Net weight	kg	91	128
Capacity	l	185	285
Heating capacity rated	kW	1.71	2,1
Water pipe connections inlet/outler	inch	3/4"	3/4"
Electrical heater; Standard support	kW	1.5	1.5
Air intake & outlet; Diameter	mm	160	190
Air intake & outlet; Useful static pressure	Pa	25	50
Air intake & outlet; Max. length	m	≤ 5	≤ 5
Air intake & outlet; Outdoor air flow	m^3/h	350	450
Sound pressure rated	dB(A)	56	56
Sound power level	dB(A)	56	56
Type refrigerant		R-290	R-290
Refrigerant charge	kg	0.15	0.15
Average climate in DHW. Energy class		A+	A+
Average climate in DHW. SCOP,ACS / Load profile		3,1 / L	3,1 / L
Average climate in DHW. Standby power		29	19
Average climate in DHW. Keymark certification. Heating time		7h 59min	8h48min
Average climate in DHW. Reference hot water temperature		52,52	49,5
Average climate in DHW. Volume of hot water at 40°C		243	339
Maximum supply temperature / Anti-legionella function		+65 / +70	+65 / +70
Temperature DHW max. with support	°C	70	70

KHP-15/285 ACS3: Product launch expected for Q3 2024, data shown in this table might be modified

Sound pressure: Sound pressure calculated at 1 m from the equipment.

R134 FLOOR STANDING COMPAK

Our traditional Compak heat pump boilers to be installed on floor, with and increased efficiency, and including Wifi and Smart Grid.

THERMAL SOLAR SUPPORT | SMART GRID READY | R-134A REFRIGERANT | DOMESTIC HOT WATER | Wi-Fi | ECO MODE | KEYMARK

				With solar coil	
Model		**KHP 15/190 ACS2**	**KHP 20/300 ACS2**	**KHPA2 16 190S**	**KHPA2 23 300S**
Width / Height / Depth	mm	-- / 1787 / --	-- / 1920 / --	-- / 1830 / --	-- / 1930 / --
Diameter	mm	560	650	552	657
Net weight	kg	120	175.5	131	158
Capacity	l	180	280	168	272
Heating capacity rated	kW	1,50	3,00	1.62	2,30
Water pipe connections inlet/outler	inch	3/4"	3/4"	3/4"	3/4"
Heat coil max. working pressure	MPa	1	1	1	1
Electrical heater; Standard support	kW	3	3	1.5	1.5
Air intake & outlet; Diameter	mm	160	190	160	190
Air intake & outlet; Useful static pressure	Pa	25	25	25	45
Air intake & outlet; Max. length	m	≤ 5	≤ 5	≤ 5	≤ 5
Air intake & outlet; Outdoor air flow	m^3/h	270	414	270	414
Sound pressure rated	dB(A)	41	45	36.6	38.2
Sound power level	dB(A)	58	56	51	53
Type refrigerant		R-134A	R-134A	R-134A	R-134A
Refrigerant charge	kg	1.0	1.5	1.0	1.5
Average climate in DHW. Energy class		A+	A	A+	A+
Average climate in DHW. SCOP,ACS / Load profile		2,791 / L	2,60 / XL	2,76 / L	3,01 / XL
Average climate in DHW. Standby power		29	23,4	26,3	30.6
Average climate in DHW. Keymark certification. Heating time		7h 10min	6h 04min	7h 01min	7h 49min
Average climate in DHW. Reference hot water temperature		53.4	53,6	53,8	53.1
Average climate in DHW. Volume of hot water at 40°C		239	362	234	354
SCOPdhw (UN 16147:2017)		2.7	3.21	3.13	3.59
Maximum supply temperature / Anti-legionella function		+70 / +70	+65 / +70	+70 / +70	+65 / +70
Temperature DHW max. with support	°C	70	65	70	65
Compressor type		Rotary	Rotary	Rotary	Rotary
Tank material		Enamelled steel	Enamelled steel	Enamelled steel	Enamelled steel
Insulating material and thickness		Expanded polyurethane	Expanded polyurethane	Expanded polyurethane	Expanded polyurethane
Water pipe connections inlet/outlet solar	inch	-	-	3/4"	3/4"
Integration; Solar heat coil surface	m^2	-	-	1.1	1.3
Integration, Solar heat coil material		-	-	Enamelled steel	Enamelled steel
Integration; Max. working pressure	MPa	-	-	1	1
Heat coil material		Copper	Copper	Aluminium	Aluminium
Solar coil connection				3/4"	3/4"

Notes:**Heat capacity**: Ambient temperature 15/12°C (DB/WB), inlet/outlet water temperature +15°C / +45°C.**Sound pressure**: In accordance with EN 16147 conditions. The 300 liters model doesn't have the WiFi and the Smart Grid functionalities.