


High Temperature Hydraulic Module

PRODUCT SHEET



Product certified by: 

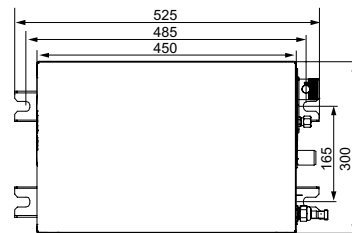
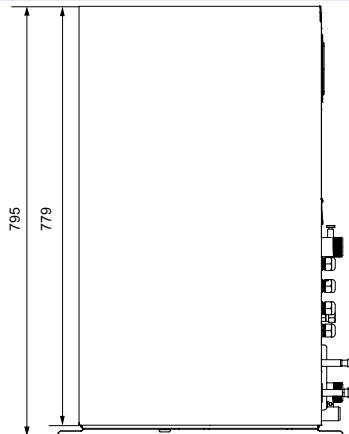


FEATURES

Model		KWF-140 HT ACS
Power supply		220-240 V / 1 / 50 Hz
Heating capacity ¹		14 kW
Operating temperature range	Heating	-20°C ~ 30°C
	DHW	-20°C ~ 43°C
Water temperature		25°C ~ 80°C
Water flow nominal (min./max.)		2,40 (1,20/2,40) m ³ /h
Allowable water pressure		1-10 bar
Refrigerant	Type	R-134 A
	Factory charge	1,20 kg
Sound pressure		43 dB(A)
Current Amperes	Max. running current	16 A
	Recommended fuse	20 A
Water pipe connections	Connection type	External thread
	Inlet pipe diameter	Ø25,40 mm
	Outlet pipe diameter	Ø25,40 mm
Unit installation ambient temperature range		0°C ~ 40°C
Unit installation place		Indoor only

¹ Nominal heating capacity is based on the following conditions: ambient temperature 7°C DB/6°C WB; water inlet/outlet temperature 40°C DB/45°C.

DIMENSIONS & WEIGHT



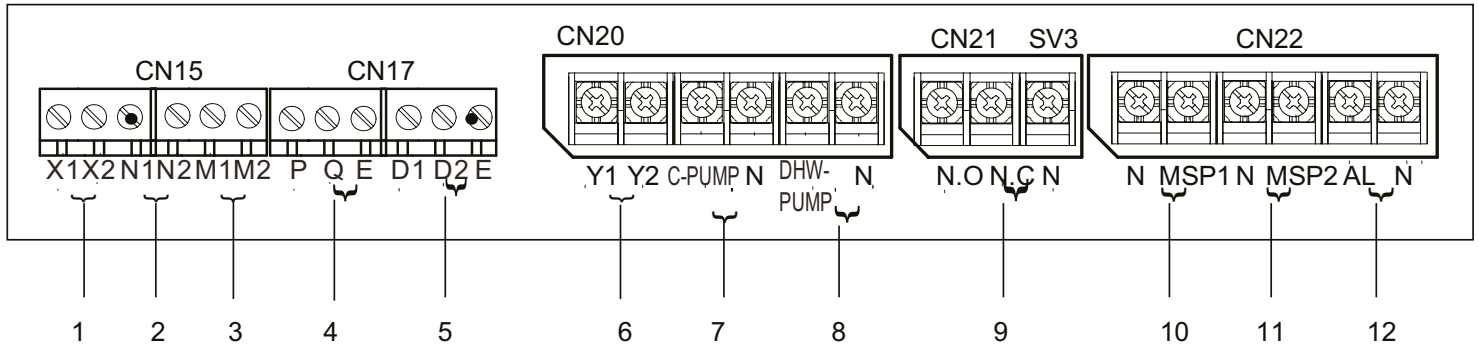
Net weight / Gross weight

43 kg / 67,20 kg

NOTES:

(1) The data and specifications present in this sheet may vary without notice.
 (2) The images on this sheet are indicative and may be different from the final machine.

INSTALLATION



CODE	Function	Port	Electrical Features
1	Connecting the wired controller	CN15 (X1, X2)	Voltage (V DC) - 18 Maximum running current (A) - 0,1 Wiring size (mm ²) 2x0,5
2 / 3	Free electrical signal / Cheap electrical signal	CN15 (N1, N2, M1, M2)	Voltage (V DC) - 12 Maximum running current (A) < 0,1 Wiring size (mm ²) 2x0,5
4	Outdoor / MS units communication bus	CN17 (P, Q, E)	Voltage (V DC) - 2,5~2,7 Maximum running current (A) < 0,1 Wiring size (mm ²) 2x0,75 shielded cable
5	Hydraulic module group control interface/ connecting to the KNX gateway	CN17 (D1, D2, E)	Voltage (V DC) - 2,5~2,7 Maximum running current (A) < 0,1 Wiring size (mm ²) 3x0,75 shielded cable
6	Reserved	CN20	-
7	Connecting the circulating water pump AC contactor	CN20	Voltage (V DC) - 220-240 Maximum running current (A) - 2 Wiring size (mm ²) 2x0,75
8	Connecting the AC contactor for controlling water tanks and water pumps	CN20	Voltage (V DC) - 220-240 Maximum running current (A) - 2 Wiring size (mm ²) 2x0,75
9	Connecting the three-way valve	CN21/SV3 (N.O., N.C., N)	Voltage (V DC) - 220-240 Maximum running current (A) < 0,1 Wiring size (mm ²) 3x0,75
10 / 11	Energy demand adjustment 1 input / Energy demand adjustment 2 input	CN22 (N, MSP1, N, MSP2)	Voltage (V DC) - 220-240 Maximum running current (A) < 0,1 Wiring size (mm ²) 2x0,75
12	Alarm output -230V~	CN22 (AL, N)	Voltage (V DC) - 220-240 Maximum running current (A) < 0,1 Wiring size (mm ²) 2x0,75