

DHW HEAT PUMP MUACS-H14 Series

MUND  CLIMA®



FEATURES:

- Smart Grid function for hybridization with a solar photovoltaic system.
- Incorporates WI-FI for control via APP.
- Modbus protocol available (mod. 200 and 300).
- Possibility of connecting an extra fan (mod. 80, 100 and 150).
- 200 and 300 models are maintenance free, thanks to their electronic anode.
- Models up to 150 are wall mounted.
- Anti-legionella mode.
- Incorporates electrical resistance.

Mod. 80, 100 and 150

Mod. 200 and 300

SPECIFICATIONS:

Model			MUACS-80-H14	MUACS-100-H14	MUACS-150-H14	MUACS-200-H14	MUACS-300-H14	MUACS-200S-H14	MUACS-300S-H14
Code			CL45001	CL45002	CL45004	CL45006	CL45007	CL45016	CL45017
Heat pump	Rated capacity ^(*)	kW	0,95	0,98	1,30	1,41	1,45	1,41	1,45
	Consumption	kW	0,25	0,26	0,35	0,44	0,43	0,44	0,43
	Current	A	2,2	2,2	3,7	2,61	2,61	2,61	2,61
Efficiency	SCOP _{DHW} 7/6°C		2,85	2,76	2,80	2,92	3,14	2,92	3,14
	SCOP _{DHW} 14/13°C		3,24	3,35	3,31	3,36	3,54	3,36	3,54
	Energy Class		A+	A+	A+	A+	A+	A+	A+
	Consumption profile		M	M	L	L	XL	L	XL
Backup resistance	Power	kW	1,5	1,5	1,5	1,5	1,5	1,5	1,5
	Current	A	6,80	6,80	6,80	6,80	6,80	6,80	6,80
Heat pump + Backup resistance	Heating rated capacity	kW	2,45	2,48	2,8	2,91	2,95	2,91	2,95
	Consumption	kW	1,75	1,76	1,85	1,94	1,93	1,94	1,93
	Current	A	6,8	6,8	6,8	9,41	9,41	9,41	9,41
Fan	Air flow rate	m ³ /h	190	200	240	350	350	350	350
	Static pressure	Pa	20	20	30	60	60	60	60
	Max. length ^(**)	m	5	5	5	8	8	8	8
	Duct diameter	mm	160	160	160	180	180	180	180
Water tank	Accumulation volume	L	78	98	145	200	300	200	300
	Max. pressure	Bar	8	8	8	10	10	10	10
	Material		Enameled steel			Stainless steel 304			
	Insulation material		Polyurethane foam						
	Insulation thickness	mm	45	45	45	45	45	45	45
Refrigerant	Type / GWP		R290 / 3		R290 / 3	R290 / 3	R290 / 3	R290 / 3	R290 / 3
	Load	kg	0,15	0,15	0,15	0,15	0,15	0,15	0,15
	CO ₂ equivalence	TCO ₂ eq	0	0	0	0	0	0	0
Sound power									
Electrical data									
	Power supply	V/F/Hz	220 ~ 230V / 1F / 50Hz						
Hydraulic connections	DHW	Inlet/Outlet	inch	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
	Solar coil	Inlet/Outlet	inch	-	-	-	-	3/4"	3/4"
	Condensate outlet		mm	DN12	DN12	DN12	DN15	DN15	DN15
Maximum operating temperature	Without backup resistance	°C	65	65	65	60	60	60	60
	With backup resistance	°C	70	70	70	70	70	70	70
Outdoor operating temperatures		°C	-7 ~ 43	-7 ~ 43	-7 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43
Dimensions (Ø x Al)		mm	500 x 1195	500 x 1357	500 x 1707	560 x 1750	650 x 1850	560 x 1750	650 x 1850
Weight		kg	56	61	80	90	110	90	110

Notes:

(*) Conditions: Water inlet/outlet temp. 15/55°C, Ambient temp. 14°C DB, 13°C WB.

(**) Total length between inlet and outlet

- The above design and specifications are subject to changes due to product improvement without prior notice.