

DUCT FANCOIL

MUC-HP4 Series

MUNDO  CLIMA®

GENERAL FEATURES:

BODY

Consisting of 1 mm thick galvanized steel plates of high quality.

EVAPORATING COIL

The exchanger has been designed using a special software and tested at the factory to ensure a high performance. It presents a seamless counterflow design that increases its effectiveness.

Made out of seamless copper tube and high efficiency aluminum fins.

FAN

Centrifugal fan with forward blades. It provides high dynamic and static balance.

MOTOR

Three-speed motor. Ease of access for maintenance.

FILTER

It includes 3-5 mm thick filter with aluminum bracket. For larger models, the filter is composed of two sections for added strength. The filter is removable at the bottom for easy cleaning and maintenance.

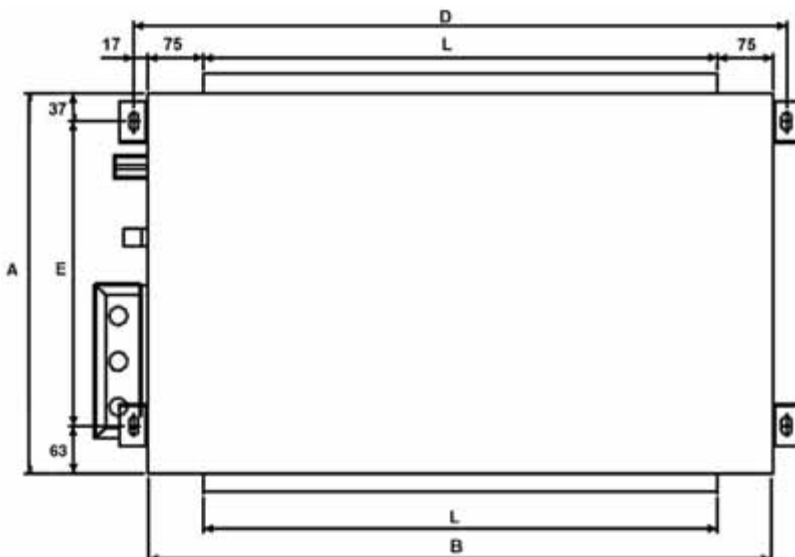
CONDENSATE COLLECTING TRAY

The condensate collecting tray is made of steel and it is located on the lower plate. Insulation has a thickness of 5 mm. Double insulation ensures the absence of condensates.

MUC-HP4 SERIES			MUC12-HP4	MUC16-HP4	MUC25-HP4	MUC31-HP4	MUC43-HP4	MUC54-HP4	MUC68-HP4
Code			CL 04 571	CL 04 572	CL 04 573	CL 04 574	CL 04 575	CL 04 576	CL 04 577
Nominal air flow rate	H	m ³ /h	680	1,020	1,360	1,700	2,380	3,060	4,080
	M		510	765	1,020	1,275	1,785	2,295	3,060
	L		340	510	680	850	1,190	1,530	2,010
Total power cooling	H	kW	3.7	4.9	7.5	9.3	12.8	15.9	20.1
	M		3.0	4.0	6.1	7.5	10.4	12.9	16.3
	L		2.2	2.9	4.5	5.6	7.7	9.5	12.1
Sensitive cooling power	H	kW	2.6	3.6	5.4	6.6	9.1	11.5	14.6
	M		2.1	2.9	4.3	5.3	7.3	9.2	11.7
	L		1.5	2.1	3.2	3.9	5.4	6.8	8.6
Heating power	H	kW	5.5	7.5	11.3	13.9	19.1	24.2	30.7
	M		4.4	5.9	8.9	11.0	15.1	19.2	24.3
	L		3.0	4.2	6.3	7.7	10.6	13.4	17.0
Water flow rate	m ³ /h		0.636	0.846	1.302	16.08	2.202	2.736	3.456
Water pressure loss	kPa		13.6	22.9	10.8	15.7	32.1	9	11.1
Nº of fans			2	2	2	2	2	2	2
Fan diameter	mm		145	145	180	180	200	225	225
Max. input power	W		88	143	202	256	333	485	715
Power supply	A		0.4	0.7	0.9	1.2	1.5	2.2	3.3
Static pressure	Pa		62	62	81	103	117	132	122
Exchanger connections			Rc3/4"						
Dimensions (mm)	L		500	500	550	550	620	620	670
	An		825	825	1,000	1,000	1,200	1,400	1,400
	Al		260	260	315	315	315	350	400
Noise power	dB(A)		44	47	52	52	60	62	66
Power supply			220-1-50						

Remarks:

1. Cooling: air intake 27 °C DB /19.5 °C WB, water inlate 7°C, water outlet 12°C.
2. Heating: air intake 21°C , water inlet 60 °C.



Mo- del	Length	Width	Height	Susp hole	Orif. susp.	Port	
	A	B	C	D	E	Width L	Height W
12	500	825	260	860	400	675	185
16	500	825	260	860	400	675	185
25	550	1000	315	1035	450	850	240
31	550	1000	315	1035	450	850	240
43	620	1200	315	1235	520	1050	240
54	620	1400	350	1435	520	1250	275
64	670	1400	400	1435	570	1250	325