



AB

Close control DUAL COIL air conditioner 31 - 148 kW



Ductable close control air-conditioners units with capacity ranging from 31 to 148 kW for vertical installation and cooling only, with optional heating by means of heating elements and hot water, optional humidifier and dehumidifier for precise temperature and humidity control.

Particularly suitable for air conditioning technological, servers and IT rooms and all technological applications in general. The unit has to be connected to 2 completely independent circuits each one a back-up for the other. Power supply std 400V/3N/50Hz, 60Hz versions also available (230V/3/60Hz, 380V/3/60Hz, 460V/3/60Hz).

AB Dual Coil Chilled Water

Model		0302	0352	0452	0552	0702	0852	0902	1052	1252	1302	1502
Frames		FRAME 3		FRAME 4		FRAME 5		FRAME 7			FRAME 8	
Airflow	m³/h	10000		12500		21000		25000	25000	30000	36000	
PERFORMANCE												
Total cooling capacity	(1) kW	31,1	36,3	45,5	52,6	71,2	82,3	89,6	103,1	124,7	131,3	148,2
Sensible cooling capacity	(1) kW	27,3	30,7	38,3	42,7	61,1	68	75,9	84,1	111,8	128,2	136,6
SHR	(1)	0,88	0,85	0,84	0,81	0,86	0,83	0,85	0,82	0,90	0,98	0,92
Total pressure drop	(1) kPa	76	70	95	73	120	118	155	124	82	55	56
Power supply	V/Ph/Hz	400/3N/50		400/3N/50		400/3N/50		400/3N/50			400/3N/50	
BASIC EC radial fans power abs.	kW	1,63	1,73	1,89	1,96	3,51	3,69	3,82	3,97	5,54	6,97	7,51
HP EC radial fans power abs.	kW	1,82	1,92	2,04	2,11	3,89	4,08	4,11	4,25	6,14	7,48	8,06
Power supply	V/Ph/Hz	460/3/60		460/3/60		460/3/60		460/3/60			460/3/60	
BASIC EC radial fans power abs.	kW	1,63	1,73	1,89	1,96	3,51	3,69	3,82	3,97	5,54	6,97	7,51
HP EC radial fans power abs.	kW	1,82	1,92	2,04	2,11	3,89	4,08	4,11	4,25	6,14	7,48	8,06
Power supply	V/Ph/Hz	380/3/60		380/3/60		380/3/60		380/3/60			380/3/60	
BASIC EC radial fans power abs.	kW	1,63	1,73	1,89	1,96	3,51	3,69	3,82	3,97	5,54	6,97	7,51
HP EC radial fans power abs.	kW	1,82	1,92	2,04	2,11	3,89	4,08	4,11	4,25	6,14	7,48	8,06
Power supply	V/Ph/Hz	230/3/60		230/3/60		230/3/60		230/3/60			230/3/60	
BASIC EC radial fans power abs.	kW	1,84	1,95	1,91	1,99	3,92	4,12	3,88	4,05	6,24	7,31	7,96
VENTILATION												
No. fans	No.	1		1		2		2	2	3	3	
Sound pressure	(2) dB(A)	60		62		65		67	67	69	70	
HUMIDIFIER												
Capacity	kg/h	5		5		8		8	8	10	15	
BASIC ELECTRICAL HEATERS												
Steps		3		3		3		3			3	
Heating capacity	kW	9		15		18		18	18	24	24	
DIMENSIONS												
Length	mm	1000		1550		2100		2650			3200	
Depth	mm	890		890		890		890			890	
Height	mm	2180		2180		2180		2180			2180	

(1) Water 7-12°C, air 24°C/50% - ESP 20Pa

(2) Measured at 1.5 m height and 2 m front free field