



MM-DXC

DX COIL

Connection Kit to Air Handling Unit

Currently, fresh air intake is normally achieved using be-spoked stand-alone air handling units. These third party AHU's pre-condition the ambient fresh air to roughly match that of the conditioned space.

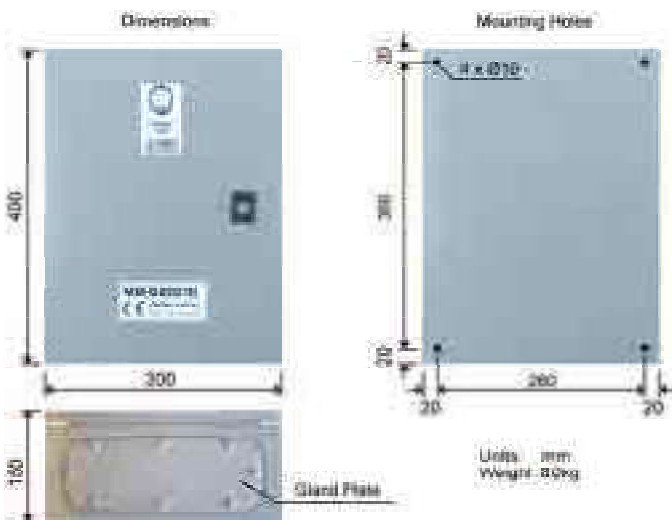
The Direct Expansion Coil Interface (DX) enables the connection of a TOSHIBA Outdoor unit to a third party Air Handling Unit (AHU) for fresh air intake.

External ON/OFF input.

Air temperature control achieved using TA sensor positioned in return air stream (set with remote controller).



- MM-DXC010 DX Coil Controller (Individual / Header)
- MM-DXC012 DX Coil Controller (Follower)
- MM-DXV080 DX Coil Valve Kit (5.6kW, 7.1kW, 8.0kW)
- MM-DXV140 DX Coil Valve Kit (11.2kW, 14.0kW, 16.0kW)
- MM-DXV280 DX Coil Valve Kit (22.4kW, 28.0kW)



Technical specifications

Total Size (individual)	HP	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0
MM-DX010	-	1	1	1	1	1	1	1	1
MMDXC012	-	-	-	-	-	-	-	-	-
MM-DXV080	2	1							
	2.5		1						
	3			1					
MM-DXV140	4				1				
	5					1			
	6						1		
MM-DXV280	8							1	
	10								1
Nominal Cooling Capacity (KW)		5,5	7,1	8.0	11,2	14.0	16.0	22,4	28
Nominal Heating Capacity (KW)		6,3	8.00	9.00	12,5	16.0	18.0	25.0	31,5
Minimum Air Volume flow rate (m3/hr)		720	1060	1060	1280	1680	1850	2880	3360
Standard Air Volume flow rate (m3/hr)		900	1320	1320	1600	2100	2800	3600	4200
Maximum Air Volume Flow Rate (m3/hr)		1080	1580	1580	1820	2520	3740	4320	5040

Total Size (Group 12HP - 30HP)	HP	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0
MM-DXC010	-	1	1	1	1	1	1	1	1	1	1
MM-DXC012	-	1	1	1	1	1	2	2	2	2	2
MM-DXV080	2										
	2.5										
	3										
MM-DXV140	4										
	5										
	6	2	1				1				
MM-DXV280	8		1*	2	1		2*	3	2	1	
	10				1*	2			1*	2*	3
Nominal Cooling Capacity (KW)		32.0	38.4	44.8	50.4	56.0	60.8	67.2	72.8	78.4	84.0
Nominal Heating Capacity (KW)		36.0	43.0	50.00	56.5	63.0	68.0	75.0	81.5	88.0	94.5
Minimum Air Volume flow rate (m3/hr)		3700	4730	5760	6240	6720	7610	8640	9120	9600	10080
Standard Air Volume flow rate (m3/hr)		5600	5400	7200	7800	8400	10000	10800	11400	12000	12500
Maximum Air Volume Flow Rate (m3/hr)		7480	8060	8640	9360	10080	12380	12950	13680	14400	15120

Total Size (Group 32HP - 48HP)	HP	32	34	36	38	40	42	44	46	48
MM-DXC010	-	1	1	1	1	1	1	1	1	1
MM-DXC012	-	3	3	3	3	3	4	4	4	4
MM-DXV280	8	4	3	2	1		4	3	2	1
	10		1*	2*	3*	4*	1*	2*	3*	4*
Nominal Cooling Capacity (KW)		89.6	95.2	100.8	106.4	112	117.6	123.2	128.8	134.4
Nominal Heating Capacity (KW)		100.00	106.5	113.0	119.5	126.0	131.5	138.0	144.5	151.0
Minimum Air Volume flow rate (m3/hr)		11520	12000	12480	12960	13440	14880	15360	15840	16320
Standard Air Volume flow rate (m3/hr)		14400	15000	15600	16200	16800	18600	19200	19800	20400
Maximum Air Volume Flow Rate (m3/hr)		17280	18000	18720	19440	20160	22320	23040	23760	24480

*In GROUP combination the Header Controller (MM-DXC010) MUST BE CONNECTED TO THE LARGEST DX Valve Kit.

Cooling & Heating output figures are based on calculations and general test data.
All figures are to be taken as approximations.

The properties of the DX coils (by others) will have an effect on the performance of the outdoor units.
All capacity data shown in this brochure is based on the following conditions:

Cooling: indoor air temperature 27°C db / 19°C wb, outdoor air temperature 35°C db.
Heating: indoor air temperature 20°C db, outdoor air temperature 7°C db / 60°C wb.