

MDB E SERIES DUCTED SPLITS



Sequential Controller
(standard)



SLM wired controller
(standard)



Indoor Unit Model		MDB125ER	MDB150ER1	MDB150ER2	MDB200ER2
Nominal Cooling Capacity	kW	34.00	43.96	45.12	56.27
	Btu's	116 000	150 000	154 000	192 000
Heating Capacity	kW	35.16	46.89	49.81	62.13
	Btu's	120 000	160 000	170 000	212 000
Nominal Airflow	l/sec	1 770	2 124	2 124	3 020
	cfm	3 750	4 500	4 500	6 400
External Static Pressure	Pa	170	170	170	180
Power Requirements		380 ~ 415 volts / 3 phase / 50 hertz			
Total Power Consumption - Cooling	W	11 413	15 062	15 638	19 870
Total Running Current - Cooling	Amps	20.5	27.5	31.3	37.4
Circuit Breaker size requirements	A / ph	40 A/Ph	50 A/Ph	50 A/Ph	70 A/Ph
Maximum Starting Current	Amps	110	198	95	110
Pipe Sizes	liquid	5/8" , 1&3/8"	5/8"	1/2"	5/8"
	suction	1 & 3/8"	1 & 3/8"	1 & 1/8"	1 & 1/8"
Drain		1"	1"	1"	1"
Interconnecting Cables per condensor		6 + earth + 2 core (Defrost Sensor)	5 + earth + 2 core	4 + earth + core	
Indoor Unit Dimensions	H	710	710	710	945
	W	1 794	2 073	2 073	1 984
	D	964	964	964	980
Indoor Unit Weight	kg	155kg	175kg	175kg	220kg
Supply Air Flange	H	408	408	408	408
	W	474	474	474	474
Return Air Flange	H	588	588	588	747
	W	1 526	1 805	1 805	1 794
Filter Type		50mm Pleated, washable, R29 Viledon filters, supported.			
Filter Size & Qty	mm	550 x 580 x 3	600 x 580 x 3	600 x 580 x 3	540 x 735 x 3
Protection Devices		Overload protection, Auto Reset HP & LP, Phase Sequencing			
Wall Mounted Control supplied		Sequential Control. Programmable, timer, clock, self diagnostic, save, key lock, auto re-start.			
Outdoor Unit Model & Qty		MMC125ER	MMC150ER	MMC150ER2	MMC150ER2
Condenser Unit Dimensions	H	1 041	1 142	1 041	1 041
	W	1 083	1 083	981	981
	D	1 083	1 083	981	981
Outdoor Unit Weight	kg	197 kg	268 kg	170kg	184 kg

* Whilst the basic product specifications indicate Heat-Pump details, all ranges are also available in cooling only.
Product ranges are available in either R22, R407A or R410C refrigerant options



MDB E SERIES DUCTED SPLIT UNITS

Indoor Unit Model		MDB250ER2	MDB300ER3	MDB400ER4	MDB500ER4	MDB600ER4
Nominal Cooling Capacity	kW	68.80	84.41	112.54	135.99	175.85
	Btu's	232 000	288 000	384 000	464 000	600 000
Heating Capacity	kW	76.20	87.92	124.26	152.40	187.57
	Btu's	260 000	300 000	424 000	520 000	640 000
Nominal Airflow	l/sec	3 775	4 247	5 664	7 080	8 495
	cfm	8 000	9 000	12 000	15 000	18 000
External Static Pressure	Pa	420	360	410	410	530
Power Requirements		380 ~ 415 volts / 3 phase / 50 hertz				
Total Power Consumption - Cooling	W	23 354	29 710	75.8	51.07	66.18
Total Running Current - Cooling	Amps	41.5	55.7	40.18	88.7	118.2
Circuit Breaker size requirements	A / ph	100 A/Ph	100 A/Ph	130 A/Ph	150 A/Ph	150 A/Ph
Maximum Starting Current	Amps	110	125	125	110	198
Pipe Sizes	liquid	5/8"	5/8"	5/8"	1/2"	5/8"
	suction	1&3/8"	1&1/8"	1&1/8"	1&1/8"	1&3/8"
Drain						
Interconnecting Cables per condensor		4 + earth + 4 core (2HP, 2 Defrost Sensor)				
Indoor Unit Dimensions	H	1 069	1 069	1 546	1 546	1 977
	W	1 866	1 866	2 274	2 274	2 274
	D	1 199	1 199	1 466	1 466	1 905
Indoor Unit Weight	kg	343 kg	343 kg	470	567	991
Supply Air Flange	H	560	560	695	695	939
	W	560	560	695	695	873
Return Air Flange	H	1 073	1 073	1 320	1 320	1 758
	W	1 636	1 636	2 004	2 004	2 004
Filter Type		50mm Pleated, washable, R29 Viledon filters, supported.				
Filter Size & Qty	mm	530 x 525 x 6	530 x 525 x 6	665 x 655 x 6	665 x 655 x 6	665 x 575 x 6
Protection Devices		Overload protection, Auto Reset HP & LP, Phase Sequencing				
Wall Mounted Control supplied		Sequential Control. Programmable, timer, clock, self diagnostic, save, key lock, auto re-start.				
Outdoor Unit Model & Qty		MMC125ER x 2	MMC100ER x 3	MMC100ER x 4	MMC125ER x 4	MMC150ER x 4
Condenser Unit Dimensions	H	1 041	1 041	1 041	1 041	1 142
	W	1 083	981	981	1 083	1 083
	D	1 083	981	981	1 083	1 083
Outdoor Unit Weight	kg	197 kg	184 kg	184 kg	197 kg	268 kg

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Features of MDB units

Scroll compressors fitted throughout for greater efficiency, improved capacity and quieter operation.

Dual Thermal Expansion Valves for installation flexibility and longer pipe runs.

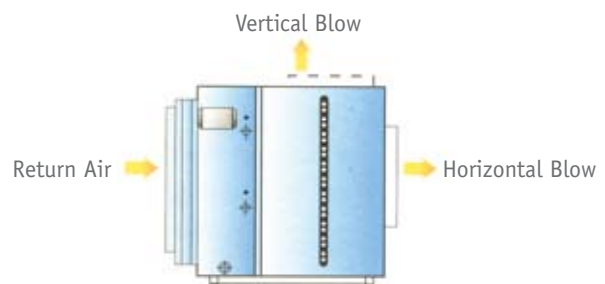
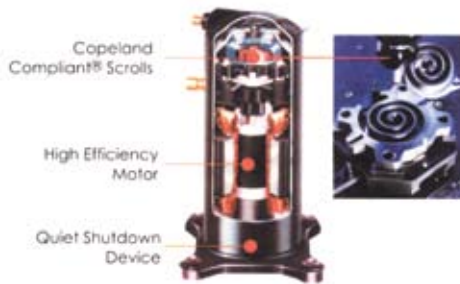
Safety features include HP, LP, thermal, phase and overload protection.

Auto random re-start to last setting in event of a power failure.

Model MDB125 and up have belt driven supply air fans for flexibility in air quantity and static pressure adjustments.

Horizontal & Vertical discharge condensers to suit any site application

Units supplied with wall mounted wired controls and filters.



* MDB 125 horizontal blow only
150 – 500 convertible