

Tabla de especificaciones técnicas (Unidades exteriores)

Model			MDV-D100W/B	MDV-D140W/B	
Power supply		V-Ph-Hz	208-230-1-60	208-230-1-60	
Cooling	Capacity	KW	10	14	
	Input	W	3208	4600	
Heating	Capacity	KW	11	19.6	
	Input	W	2771	4200	
Max. input consumption		W	3897	6000	
Max. current		A	21.1	27.3	
Starting current		A	100	137	
Compressor	Model		ZRD36KC-PFV-532	ZRD48KC-PFV-532	
	Type		Digital scroll	Digital scroll	
	Brand		Copeland	Copeland	
	Supplier		Copeland	Copeland	
	Capacity	KW	10550	14536	
	Input	W	3300	4320	
	Rated current(RLA)	A	14.5	22.9	
	Locked rotor Amp(LRA)	A	95	137	
	Thermal protector		Inside	Inside	
	Capacitor	uF	60	60	
	Refrigerant oil	ml	1240	1480	
Outdoor fan motor	Model		YDK250-8B	YDK100-6B	
	Type		AcMotor	AcMotor	
	Brand		Welling	Welling	
	Input	W	303	210×2	
	Capacitor	uF	10	5	
	Speed	r/min	720	890/590	
Outdoor coil	Number of rows		2	2	
	Tube pitch(a)x row pitch(b)	mm	25.4/22	25.4/22	
	Fin spacing	mm	1.7	1.5	
	Fin type (code)		Hydrophilic Aluminum Fin	Hydrophilic Aluminum Fin	
	Tube outside dia.and type	mm		φ9.52	9.52
				Innergroove	Innergroove
	Coil length x height	mm	900×44×914	1414×22×1220	
Number of circuits		8	12		
Outdoor air flow		m3/h	4875	6700/5100	
Outdoor sound level(sound pressure level)		dB(A)	62.3	62/54	
Outdoor unit	Dimension(W*H*D)	mm	1067×966×396	940×1233×340	
	Packing (W*H*D)	mm	1105×1084×420	1058×1374×438	
	Net/Gross weight	Kg	94/102	117/122	
Charged refrigerant type		g	R22:2700	R22/4800	
Throttle type			EXV EPF-30D85	EXV	
Design pressure		MPa	2.6/1.2	2.6/1.0	
Refrigerant piping	Liquid side/ Gas side	mm	9.53/19	9.53/19	
	Max. refrigerant pipe length	m	30	50	
	Max. defference between indoor units	m	15	15	
	Max. difference between outdoor unit and indoor unit	m	20	20	
Connection wiring	Power wiring	mm2	4.0	4.0	
	Signal wiring	mm2	0.75/3-core shielded wire	0.75/3-core shielded wire	
Operation temp		℃	17~30	17~30	
Ambient temp		℃	-15~43	-15~43	

Tabla de especificaciones técnicas (Unidad exterior)

Model			MDV-D280W/S1	MDV-D560W/S1	MDV-D840W/S1
Power supply		V-Ph-Hz	220V 3 N~ 60Hz	220V 3 N~ 60Hz	220V 3 N~ 60Hz
Cooling	Capacity	Btu/h	96000	192000	288000
	Input	w	9250	18200	27200
	Rated current	A	15.9	28.9	75.2
	EER	Btu/w.h	9.6	10.55	10.59
Heating	Capacity	Btu/h	105000	210000	315000
	Input	w	9800	17300	26300
	Rated current	A	15.6	28.6	72.6
	COP	Btu/w.h	10.71	12.14	11.98
Max. input consumption		w	12500	23200	52000
Max. current		A	21	68	100
Starting current		A	35	35	59
Compressor	Model		ZRD61KC-TF7-433	ZRD61KC-TF7-433	ZRD61KC-TF5-433
	Type		Scroll Compressor	Scroll Compressor	Scroll Compressor
	Brand		MIDEA Copeland	MIDEA Copeland	MIDEA Copeland
	Supplier		Copeland	Copeland	Copeland
	Capacity	Btu/h	61500	61500	61500
	Input	W	5550	5550	5550
	Rated current(RLA)	A	10.7	10.7	10.7
	Locked rotor Amp(LRA)	A	128	128	128
	Thermal protector				
	Capacitor	uF	/	/	/
	Refrigerant oil	ml	LENDED WHITE MINERAL OIL	BLENDENED WHITE MINERAL OIL	BLENDENED WHITE MINERAL OIL
Compressor	Model		ZR61KC-TF7-420	ZR61KC-TF7-420	ZR61KC-TF5-420
	Type		Scroll Compressor	Scroll Compressor	Scroll Compressor
	Brand		MIDEA Copeland	MIDEA Copeland	MIDEA Copeland
	Supplier		Copeland	Copeland	Copeland
	Capacity	Btu/h	62000	62000	62000
	Input	W	5400	5400	5400
	Rated current(RLA)	A	10.7	10.7	10.7
	Locked rotor Amp(LRA)	A	128	128	128
	Thermal protector				
	Capacitor	uF	/	/	/
	Refrigerant oil	ml	LENDED WHITE MINERAL OIL	BLENDENED WHITE MINERAL OIL	BLENDENED WHITE MINERAL OIL

Tabla de especificaciones técnicas (Unidades exteriores)

Model			MDV-D280W/S1	MDV-D560W/S1	MDV-D840W/S1
Outdoor fan motor	Model		YDK400-8B	YDK400-8B	YDK400-8B
	Input	W	880/480	1760/960	2640/1440
	Capacitor	uF	25	25	25
	Speed	r/min	700/500	700/500	700/500
Outdoor coil	Number of rows		10	20	30
	Tube pitch(a)x row pitch(b)	mm	25.4*22	25.4*22	25.4*22
	Fin spacing	mm	1.8	1.8	1.8
	Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
			Φ9.53	Φ9.53	Φ9.53
	Tube outside dia.and type	mm	innergroove tube	innergroove tube	innergroove tube
	Coil length x height x width	mm	885*508*22	885*508*22	885*508*22
Number of circuits		20	40	60	
Outdoor air flow	m ³ /h	11500	23000	34500	
Outdoor noise level	dB(A)	58	60	60	
Outdoor unit	Dimension(W*H*D)	mm	997*1820*880	1992*1820*880	2987*1820*880
	Packing (W*H*D)	mm	1075*2020*920	2070*2020*920	3065*2020*920
	Net/Gross weight	Kg	245/260	580/600	800/855
Refrigerant type	g	R22/12000g	R22/24000g	R22/36000g	
Throttle type		Electric Expansive Valve	Electric Expansive Valve	Electric Expansive Valve	
Design pressure	MPa	1.2/2.6	1.2/2.6	1.2/2.6	
Refrigerant piping	Liquid side/ Gas side	mm	12.7/28.6	19/38	22.2/42
	Max. refrigerant pipe length	m	125	125	125
	Max. difference in level	m	50	50	50
Connection wiring	Power wiring	mm ²	16×5	16×5	25×5
	Signal wiring	mm ²	3×1.0	3×1.0	3×1.0
Controller		Remote	Remote	Remote	
Operation temp	°C	40~120	40~120	40~120	
Ambient temp	°C	(-15~45)	(-15~45)	(-15~45)	
Application area	m ²	112~186	224~372	336~558	

Tabla de especificaciones técnicas (Consola de pared)

Sale Model		MDV-D22G-A	MDV-D28G-A	MDV-D36G-A	MDV-D45G-A	MDV-D56G-A	
Power supply		V-Ph-Hz	220-230V 60Hz	220-230V 60Hz	220-230V 60Hz	220-230V 60Hz	
Cooling	Capacity	Btu/h	7000	9000	12000	16000	18000
	Input	W	35	53	53	90	90
	Rated current	A	0.16	0.26	0.26	0.44	0.44
Heating	Capacity	Btu/h	8000	10000	13500	18000	20000
	Input	W	35	53	53	90	90
	Rated current	A	0.16	0.26	0.26	0.44	0.44
Max. input consumption		W	69	69	69	143	143
Max. current		A	0.34	0.34	0.34	0.69	0.69
Indoor fan motor	Model		RPS13B	RPS13B	RPS13B	RPS28B	RPS28B
	Type		AC Motor	AC Motor	AC Motor	AC Motor	AC Motor
	Brand		Welling	Welling	Welling	Welling	Welling
	Input	W	32	32	32	57	57
	Capacitor	uF	1.5	1.5	1.5	1.5	1.5
	Speed(hi/mi/lo)	r/min	1250/1070/930	1250/1070/930	1250/1070/930	1200/1015/850	1200/1015/850
Indoor coil	a.Number of rows		2	2	2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21*13.37	21*13.37	21*13.37	21*13.37	21*13.37
	c.Fin spacing	mm	1.3	1.3	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7 innergroove tube	Φ7 innergroove tube	Φ7 innergroove tube	Φ7 innergroove tube	Φ7 innergroove tube
	f.Coil length x height x width	mm	635*294*26.7	635*294*26.7	635*294*26.7	754*336*26.7	635*294*26.7
	g.Number of circuits		2	2	2	2	2

Tabla de especificaciones técnicas (Consola de pared)

Sale Model		MDV-D22G-A	MDV-D28G-A	MDV-D36G-A	MDV-D45G-A	MDV-D56G-A	
Indoor air flow (Hi/Mi/Lo)	m3/h	600/430/410	600/430/410	600/430/410	850/610/470	850/610/470	
Indoor external static pressure (Hi)	Pa	0	0	0	0	0	
Indoor noise level (Hi/Lo)	dB(A)	40	40	40	43	43	
Indoor unit	Dimension (W*H*D)	mm	790*265*195	790*265*195	790*265*195	920*292*225	920*292*225
	Packing (W*H*D)	mm	875*445*290	875*445*290	875*445*290	1015*465*295	1015*465*295
	Net/Gross weight	Kg	11/14	11/14	11/14	15/17	15/17
Throttle type		Electric Expansive Valve	Electric Expansive Valve	Electric Expansive Valve	Electric Expansive Valve	Electric Expansive Valve	
Design pressure	MPa	2.8/1.2	2.8/1.2	2.8/1.2	2.8/1.2	2.8/1.2	
Refrigerant piping	Liquid side/ Gas side	mm	9.53/16	9.53/16	9.53/16	9.53/16	9.53/19
	Max. refrigerant pipe length	m	—	—	—	—	—
	Max. difference in level	m	—	—	—	—	—
Connection wiring	Power wiring	mm2	3×2.5	3×2.5	3×2.5	3×2.5	3×2.5
	Signal wiring	mm2	6×1.0	6×1.0	6×1.0	6×1.0	6×1.0
Controller		Remote	Remote	Remote	Remote	Remote	
Operation temp	°C	17-30	17-30	17-30	17-30	17-30	
Ambient temp	°C	-7-45	-7-45	-7-45	-7-45	-7-45	
Application area	m2	9~15	11~19	14~24	18~30	22~37	

Tabla de especificaciones técnicas (Fan Coil)

Model		MDV-D22T2-B(N2)	MDV-D28T2-B(N2)	MDV-D36T2-B(N2)	MDV-D45T2-B(N2)	
Power supply	Ph-V-Hz	220-240V~,1Ph, 50Hz				
Nominal Capacity						
Cooling	Capacity	Btu/h	7000	9000	12000	16000
	Input	W	125	125	125	200
Heating	Capacity	Btu/h	8000	10000	13500	18000
	Input	W	125	125	125	200
Electronical						
Max. input	W	174	174	174	280	
Max. current	A	0.85	0.85	0.85	1.5	
Starting current	A	4.9	4.9	4.9	3.9	
Indoor Motor						
Model		YDK55-4	YDK55-4	YDK55-4	YSK40-6H	
Type		Centrifugal fan				
Brand		Welling				
Input	W	87	87	87	93	
Capacitor	uF	2.5/450V	2.5/450V	2.5/450V	2.5/450V	
Speed (hi/mi/lo)	r/min	880/660/570			710/590/530	
Indoor noise	dB(A)	41/38/35			43/40/38	
Indoor external static	Pa	40			40	
Indoor Coil						
a. Number of rows		1	2	2	3	
b. Tube pitch(a)x row	mm	25.4	25.4X22	25.4X22	25.4X22	
c. Fin spacing	mm	1.8	1.8	1.8	1.7	
d. Fin type (code)		Hydrophilic aluminium				
e. Tube outside dia.	mm	Φ9.53 Inner groove tube				
f. Coil length x height x	mm	400X305X22	400X305X44		800X305X66	
g. Number of circuits		3	3	3	3	
(Hi/Mi/Lo)	m ³ /h	570/510/450			1160/1130/1100	
Technical Specification						
Indoor unit	Dimension (W*H*D)	mm	800×550×320		1000×800×320	
	Packing (W*H*D)	mm	930X755X420		1205X930X420	
	Net/Gross weight	Kg	26/34	26/34	26/34	46/54
Application area	m ²	11-22	14-28	18-36	22-45	
Piping size	Liquid/ Gas side	mm(inch)	φ9.53 (3/8')/ φ19(3/4')			
Qty per 20'/40'/40'HQ	Pieces	61/134/164			50/108/132	

Tabla de especificaciones técnicas (Fan Coil)

Model		MDV-D56T2-B(N2)	MDV-D71T2-B(N2)	MDV-D80T2-B(N2)	MDV-D90T2-B(N2)	MDV-D112T2-B(N2)	MDV-D140T2-B(N2)	
Power supply	Ph-V-Hz	220-240V~, 1Ph, 50Hz						
NOMINAL CAPACITY								
Cooling	Capacity	Btu/h	18000	24000	28000	30000	40000	48000
	Input	W	200	200	200	280	280	280
Heating	Capacity	Btu/h	20000	27000	31000	33000	44000	52000
	Input	W	200	200	200	280	280	280
ELECTRONICAL								
Max. input consumption	W	280	335	335	304	304	379	
Max. current	A	1.5	1.7	1.7	1.5	1.5	1.83	
Starting current	A	3.9	9.5	9.5	9	9	11	
INDOOR MOTOR								
Model		YSK40-6H	YSK120-6		YSK100-6E		YSK160-4	
Type								
Brand		Welling					Yongan	
Input	W	93	154	154	180	197	264	
Capacitor	uF	2.5/450V	5/450V	5/450V	6/450V	6/450V	10/450V	
Speed (hi/mi/lo)	r/min	740/620/540			690/580/530	750/580/530	770/700/630	
level(HI/MID/LOW)	dB(A)	46/44/42			48/46/44	48/46/44	49/46/44	
pressure	Pa	40			70	70	70	
INDOOR COIL								
a. Number of rows		3	3	3	2	3	3	
b. Tube pitch(a)x row pitch(b)	mm	25.4X22	25.4X22	25.4X22	25.4X22	25.4X22	25.4X22	
c. Fin spacing	mm	1.7	1.7	1.7	1.7	1.7	1.7	
d. Fin type (code)								
e. Tube outside dia. and type	mm	Φ9.53 Inner groove tube						
f. Coil length x height x width	mm	800X305X66			1150X305X44	1150X305X66		
g. Number of circuits		3	3	3	4	4	4	
Indoor air flow (Hi/Mi/Lo)	m ³ /h	1320/1120/1000			1680/1510/1380		2040/1810/1660	
TECHNICAL SPECIFICATION								
Indoor unit	Dimension (W*H*D)	mm	1000×800×320			1350×800×320		
	Packing (W*H*D)	mm	1205X930X420			1555X930X420		
	Net/Gross weight	Kg	46/54	47/55	47/55	60/70	60/70	60/70
Application area	m ²	28-56	35-71	40-80	45-90	56-112	70-140	
Piping size	Liquid/ Gas side	mm(inch)	φ9.53(3/8')/ φ19(3/4')					
Qty per 20'/40'/40'HQ	Pieces	50/108/132			36/84/98			