



V4 VRF SERIES



INDEPENDENT UNIT SPECIFICATIONS

ESPECIFICACIONES DE EQUIPOS INDEPENDIENTES



HP			8	10	12
Model			MDV-252(8)W/D2DN1(B)	MDV-280(10)W/D2DN1(B)	MDV-335(12)W/D2DN1(B)
Power supply		V/Ph/Hz	220/3/60		
Cooling	Capacity	kW	25.2	28	33.5
		kBtu/h	86	95.5	114.3
	Power input	kW	5.88	7.05	8.79
	EER		4.29	3.97	3.81
	IEER		25.6	23.8	22.8
Heating	Capacity	kW	27	31.5	37.5
		kBtu/h	92.1	107.5	128
	Power input	kW	6.15	7.55	8.99
	COP		4.39	4.17	4.17
Connectable Indoor Unit	Total capacity	50~130% of outdoor unit capacity			
	Max. quantity	13	16	20	
Compressor	Type	DC inverter			
	Model	E655DHD-65A2YG			E405DHD-36A2YG +E655DHD-65A2YG
	Brand	Hitachi			
	Quantity	1	1	2	
	Crankcase heater	W	27.6×2	27.6×2	27.6×4
	Refrigerant oil type	FVC68D			
	Refrigerant oil charge	ml(gal.)	500	500	500×2
Fan motor	Type	DC motor			
	Model	WZDK560-38G(B)			
	Brand	Panasonic&Nidec			
	Quantity	1	1	2	
	Insulation class	E			
	Safe class	IPX4			
	Input	W	534	534	272×2
	Output	W	420	420	210×2
Static pressure	Pa(in. W.G.)	0-20(0-0.08) (default)			
	Pa(in. W.G.)	0-40(0-0.16) (customized)		0-60(0-0.24) (customized)	
Fan	Material	Plastic			
	Type	Axial			
	Quantity	1	1	2	
Outdoor coil	Number of rows	2			
	Tube pitch(a)× row pitch(b)	mm(in.)	22×19(7/8×3/4)		
	Fin spacing	mm(in.)	1.6(1/16)		
	Fin type	Hydrophilic aluminum			
	Tube outside diameter	mm(in.)	Φ7.94(Φ5/16)		
	Tube type	Inner-grooved			
	Coil length × height	mm(in.)	1985×1232(78-5/32×48-1/2)		2270×1232(89-3/8×48-1/2)
Refrigerant	Number of circuits	22			
	Type	R410A			
	Factory charging	kg(lbs.)	9(20)	9(20)	11(24)
Pipe connections	Liquid pipe	mm(in.)	Φ12.7(Φ1/2)	Φ12.7(Φ1/2)	Φ15.9(Φ5/8)
	Gas pipe	mm(in.)	Φ25.4(Φ1)	Φ25.4(Φ1)	Φ31.8(Φ1-1/4)
	Oil balance pipe	mm(in.)	Φ6(Φ1/4)		
Design pressure(High/low)	MPa	4.4/2.6			
	PSI	640/380			
Air flow rate	m³/h	11242	11242	13000	
Sound pressure level	dB(A)	57	57	59	
Net dimension (W×H×D)	mm	960×1615×765			1250×1615×765
	inch	37-25/32×63-9/16×30-1/8			49-7/32×63-9/16×30-1/8
Packing size (W×H×D)	mm	1025×1790×830			1305×1790×820
	inch	40-3/8×70-1/2×32-11/16			51-3/8×70-15/32×32-9/32
Net weight	kg(lbs.)	202(444)	202(444)	285(627)	
Gross weight	kg(lbs.)	218(480)	218(480)	305(671)	



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HP		14	16	18	
Model		MDV-400(14)W/D2DN1(B)	MDV-450(16)W/D2DN1(B)	MDV-500(18)W/D2DN1(B)	
Power supply		V/Ph/Hz	220/3/60		
Cooling	Capacity	kW	40	45	50
		kBtu/h	136.5	153.5	170.6
	Power input	kW	11.3	13.25	14.79
	EER		3.54	3.4	3.38
	IEER		21.2	20.4	20.2
Heating	Capacity	kW	45	50	56
		kBtu/h	153.5	170.6	191.1
	Power input	kW	11.19	12.79	14.4
	COP		4.02	3.91	3.89
Connectable Indoor Unit	Total capacity	50~130% of outdoor unit capacity			
	Max. quantity	23	26	29	
Compressor	Type	DC inverter			
	Model	E405DHD-36A2YG+E655DHD-65A2YG		E655DHD-65A2YG	
	Brand	Hitachi			
	Quantity	2			
	Crankcase heater	W	27.6x4		
	Refrigerant oil type	FVC68D			
	Refrigerant oil charge	ml(gal.)	500x2		
Fan motor	Type	DC motor			
	Model	WZDK560-38G(B)			
	Brand	Panasonic&Nidec			
	Quantity	2			
	Insulation class	E			
	Safe class	IPX4			
	Input	W	450x2		
	Output	W	360x2		
	Static pressure	Pa(in. W.G.)	0-20(0-0.08) (default)		
		Pa(in. W.G.)	0-40(0-0.16) (customized)		
Fan	Material	Plastic			
	Type	Axial			
	Quantity	2			
Outdoor coil	Number of rows	2			
	Tube pitch(a)x row pitch(b)	mm(in.)	22x19(7/8x3/4)		
	Fin spacing	mm(in.)	1.6(1/16)		
	Fin type	Hydrophilic aluminum			
	Tube outside diameter	mm(in.)	Φ7.94(Φ5/16)		
	Tube type	Inner-grooved			
	Coil length x height	mm(in.)	2270x1232(89-3/8x48-1/2)	2867x1232(112-7/8x48-1/2)	
Refrigerant	Number of circuits	22			
	Type	R410A			
	Factory charging	kg(lbs.)	13(29)	16(35)	
Pipe connections	Liquid pipe	mm(in.)	Φ15.9(Φ5/8)	Φ19.1(Φ3/4)	
	Gas pipe	mm(in.)	Φ31.8(Φ1-1/4)	Φ31.8(Φ1-1/4)	
	Oil balance pipe	mm(in.)	Φ6(Φ1/4)		
Design pressure(High/low)	MPa	4.4/2.6			
	PSI	640/380			
Air flow rate	m ³ /h	15620	15620	15620	
Sound pressure level	dB(A)	61	62	62	
Net dimension (WxHxD)	mm	1250x1615x765			
	inch	49-7/32x63-9/16x30-1/8			
Packing size (WxHxD)	mm	1305x1790x820			
	inch	51-3/8x70-15/32x32-9/32			
Net weight	kg(lbs.)	285(627)	288(634)	310(682)	
Gross weight	kg(lbs.)	305(671)	308(678)	330(726)	
Operating temperature range	°C(°F)	Cooling: -5-48(23~118.4); Heating: -20-24(-4~75.2)			