

MULTI-SPLIT TYPE AIR CONDITIONERS - AIR TO AIR HEAT PUMPS

NØRDIS ORION PRO systems



ORION PRO MULTI-SPLIT system combinations

FMA-1412HD/DVO		FMA-1812HD/DVO		FMA-2713HD/DVO		FMA-3214HD/DVO		
1 indoor unit	2 indoor units	1 indoor unit	2 indoor units	2 indoor units	3 indoor units	2 indoor units	3 indoor units	4 indoor units
9	9+9	9	9+9	9+9	9+9+9	9+9	9+9+9	9+9+9+9
12	9+12	12	9+12	9+12	9+9+12	9+12	9+9+12	9+9+9+12
		18	9+18	9+18	9+9+18	9+18	9+9+18	9+9+9+18
			12+12	12+12	9+12+18	12+12	9+12+18	9+9+12+12
				12+18	12+12+12	12+18	12+12+18	
				18+18		18+18		

Indoood Unit Model			OP09TC1	OP12TC1	OP18TC1	OP24TC1
Power Supply		F/V/Hz	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/2P
Cooling	Capacity	kW	2.6 (0.94~3.32)	3.3 (1.0~3.80)	5.0 (1.25~5.9)	6.8 (1.8~7.8)
	Rated Current	A	4.7	5.5	8.2	9.5
	SEER		6.1	6.1	6.1	6,1
	Energy Class		A++	A++	A++	A++
Heating	Capacity	kW	2.65 (0.94~3.38)	3.50 (1.00~3.91)	5.10 (1.25~6.08)	7.0 (1.8~7.9)
	Capacity Pdesign (-10°C, temperate zone)	kW	2.40	2.40	3.80	5.60
	Rated Current	A	4.4	5.3	7.2	8.7
	SCOP		4.00	4.00	4.00	4.00
	Energy Class		A+	A+	A+	A+
Wi-Fi		+/-	+	+	+	+
Dimension (WxHxD)		mm	790x275x192	790x275x192	920x306x195	1100x333x222
Dimension of Package (LxWxH)		mm	860x345x265	860x345x265	990x380x265	1165x405x295
Weight Netto		kg	8.5	8.5	11	14
Weight Brutto		kg	10.5	10.5	13	17
Air Flow Volume		m³/h	560	560	820	1100
Sound Pressure Level		db(A)	52/47/43/35/32	52/47/43/35/32	54/50/47/43/36	58/53/49/45/42

Outdoor Unit Model			FMA-14I2HD/ DVO	FMA-18I2HD/ DVO	FMA-27I3HD/ DVO	FMA-32I3HD/ DVO
Number of Indoor Units			1-2	1-2	1-3	1-4
Capacity	Cooling	kW	4.10 (1.20~4.85)	5.20 (1.23~5.60)	7.90 (2.80~8.80)	9.40 (3.10~10.20)
	Heating	kW	4.31 (1.25~5.20)	5.29 (1.29~5.75)	7.96 (2.45~8.80)	9.45 (2.55~10.20)
Current	Cooling	A	6.3 (1.2~8.0)	8.2 (1.3~10.5)	12.7 (1.6~14.0)	14.1 (1.8~17.0)
	Heating	A	5.9 (1.1~8.0)	7.3 (1.2~10.5)	10.9 (1.9~14.0)	13.0 (2.3~17.0)
Electricity Consumption	Cooling	kW	1.2	1.6	2.63	2.76
	Heating	kW	1.1	1.4	2.1	2.54
SEER			6.10	6.20	6.10	6.10
SCOP			4.0	4.0	4.0	4.1
Energy Class			A++/A+	A++/A+	A++/A+	A++/A+
Dimensions (WxDxH)		mm	835x605x360	835x605x360	968x655x375	990x910x340
Dimensions of Package (LXWxH)		mm	883x645x394	883x645x394	1015x715x425	1030x950x430
Weight Netto/Bruto		kg	34/38	34/38	46/51	68/80
Air Flow Volume		m3/h	2100	2100	3000	4000
Sound Pressure Level		db(A)	65	65	68	70
Refrigerant Liquid			R32	R32	R32	R32
Refrigerant Charge		kg	1.10	1.10	1.60	2.20
Max. Pipe Length Without Additional Refrigerant		m	5	5	5	5
Additional Refrigerant		g/m	15	15	15	15
Max. Distances for Each Indoor Unit	Elevation	m	10	10	10	10
	Length	m	15	15	15	15
Power Cable		mm2	3x1.5	3x1.5	3x2.5	3x2.5
Automatic Switch		A	16	16	16	25
Cooling Operation Temperature Range		°C	-15~53	-15~53	-15~53	-15~53
Heating Operation Temperature Range		°C	-20~32	-20~32	-20~32	-20~32