

COMBO AHU + HEAT PUMP Gen 2

Indoor		MVC-18HWFN1-M	MVC-24HWFN1-M	MVC-30HWFN1-M	MVC-36HWFN1-M	MVC-48HWFN1-M	MVC-60HWFN1-M
Outdoor		MOCX30U-18HFN1-MRO	MOCX30U-24HFN1-MRO	MOCX30U-30HFN1-MRO	MOCX30U-36HFN1-MRO	MOCX30U-48HFN1-MRO	MOCX30U-60HFN1-MRO
Power supply (Indoor)	V, Ph-Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Power supply (Outdoor)	V, Ph-Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Capacity (range)	Capacity (range)	18000(5300-18700)	24000(7400-26000)	30000(9400-33000)	36000(10300-38800)	47000(10300-48000)	57000(4500-60000)
Input	W	1620	2120	2760	3750	5046	5544
Rated current	A	7.5	9.7	12.20	15.82	21.9	23.8
SEER	SEER	11.1	11.3	10.9	10.4	9.3	10.8
Capacity (range)	Capacity (range)	18000(5600-18700)	24000(6600-30000)	31000(12200-32000)	36000(6000-36400)	55000(11500-57000)	60000(11500-63000)
Input	W	1510	2150	2650	3466	5373	4959
Rated current	A	6.7	9.8	12.40	16.12	23.3	20.9
COP	COP	3.49	3.54	3.19	3.02	3.00	3.55
HSPF4	HSPF4	10.8	11.3	10.3	9.1	10	9.2
HSPF5	HSPF5	8.8	9.2	8.6	7.1	8.2	7.6
Heating at 17F (-8.33C)	Rated capacity	11000	22000	16000	20400	33000	34000
Heating at 5F (-15C)	Rated capacity	9500	17000	20000	18600	27000	29000
Heating at 5F (-15C)	COP	1.85	1.75	1.95	1.80	1.75	1.80
MINIMUM CIRCUIT AMPACITY(Indoor)	A	15	4	4.5	4.5	4.5	7
MAX FUSE(Indoor)	A	15	15	15	15	15	15
Indoor fan motor	Model	ZKFD-250-8-1	ZKFD-250-8-1	ZKFD-375-8-1	ZKFD-375-8-1	ZKFD-750-8-1	ZKFD-750-8-1
Indoor air flow (H/M/L/E)	CFM	980/900/830	1280/1180/1070	1520/1370/1210	1840/1650/1470	2180/1860/1540	2890/2310/1930
Indoor air flow (H/M/L/E)	Pa	576.47/529.41/488.24	758.82/694.12/629.41	894.12/805.88/711.76	1082.35/970.58/884.71	1282.35/1094.12/905.88	1582.35/1358.82/1135.29
ESP	Range	0-200	0-200	0-200	0-200	0-200	0-200
Indoor noise level (H/M/L/E)	In. wg. (dBA)	0-0.8	0-0.8	0-0.8	0-0.8	0-0.8	0-0.8
Throttle type	EXV	3632432	434025.5	434025.5	48.84441.3	53.50048	52.54944
Dimension(W/D/H)	mm	445/534/143	445/534/143	534/534/1245	534/534/1245	534/534/1245	622/534/1346
Dimension(W/D/H)	Inch	21*11.7*2*6	21*11.7*2*6	21*21*49	21*21*49	21*21*49	24*12*2*15.3
Packing (W/D/H)	mm	640/530X280	640/530X280	640/530X1380	640/530X1380	640/530X1380	640/705X1480
Packing (W/D/H)	Inch	25.20X20.87X50.39	25.20X20.87X50.39	25.20X20.87X54.33	25.20X20.87X54.33	25.20X20.87X54.33	25.20X20.87X58.27
Net/Gross weight	Kg	48/58/7	48/58/7	58/67/16	58/67/16	58/67/16	73/86/5
Net/Gross weight	Lbs.	105.82/129.41	105.82/129.41	129.2/155.6	129.2/155.6	129.2/155.6	162.7/190.7
MINIMUM CIRCUIT AMPACITY(Outdoor)	A	16	19	20	24	34	34
MAX FUSE(Outdoor)	A	25	30	35	40	50	60
Model	Model	KSNI40D2UFZ	KTM240D5TUMT	KTF250D22TUMT	KTF250D22TUMT	KTQ420D1UMU	KTQ420D1UMU
Type	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
Brand	Brand	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
Capacity	Capacity	4385	7740	8095	8095	13700	13700
Input	W	1140	2085	2200	2200	3700	3700
Rated current(RLA)	A	9	14	16	17.6	24.6	24.6
Thermal protector	Thermal protector position	/	/	/	/	INTERNAL	INTERNAL
Refrigerant oil/ oil charge	Refrigerant oil/ oil charge	VG/7440	VG/74670	VG/74670	VG/74670	VG/74670	VG/74670
Model	Model	ZKFN-34-10-1-3	ZKFN-60-8-3	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-85-8-2-5	ZKFN-85-8-2-5
Input	W	1	1	150.0	150.0	128.0	128.0
RLA	A	1	1	1.48	1.48	2.4	2.4
Speed	r/min	840/700/650	810/700/450	950/700/500	950/700/500	850/750/650	850/700/650
Outdoor air flow	m3/h	2465	3700	5100	5100	7650	7650
Outdoor air flow	CFM	1450.00	2175	3000.00	3000.00	4500.00	4500.00
Outdoor noise level	dB(A)	54	56.5	61.5	61	59	61
Throttle type	EXV	EVX	EVX	EVX	EVX	EVX	EVX
Dimension(W/D/H)	mm	805x30x554	880x34x673	948x410x810	948x410x810	952x415x1333	952x415x1333
Dimension(W/D/H)	Inch	31.69x1.2x21.81	35.04x1.34x26.50	37.24x1.61x43.189	37.24x1.61x43.189	37.48x1.63x45.248	37.48x1.63x45.248
Packing (W/D/H)	mm	915x370x615	995x398x740	1090x500x885	1090x500x885	1096x495x1480	1096x495x1480
Packing (W/D/H)	Inch	36.02x14.57x24.21	39.17x15.67x29.13	42.91x19.69x34.84	42.91x19.69x34.84	43.11x19.49x58.27	43.11x19.49x58.27
Net/Gross weight	Kg	34.436.9	46.468.7	64.368.7	64.368.7	98.5112.7	98.5112.7
Net/Gross weight	Lbs.	75.8481.35	102.3109.1	141.78/151.48	141.78/151.48	217.652/248.98	217.652/248.98
Net/Gross weight	oz	R410A/56.44	R410A/72.08	R410A/107.59	R410A/130.51	R410A/165.79	R410A/172.94
Refrigerant type	oz	65	65	65	65	65	65
Refrigerant precharge	oz	0.89	0.89	0.89	0.89	0.89	0.89
Additional charge for each ft	PSIG	550/340	550/340	550/340	550/340	550/340	550/340
Design pressure	mm(inch)	9.52mm(3/8in)/9mm(3/4in)	9.52mm(3/8in)/9mm(3/4in)	9.52mm(3/8in)/9mm(3/4in)	9.52mm(3/8in)/9mm(3/4in)	9.52mm(3/8in)/9mm(3/4in)	9.52mm(3/8in)/9mm(3/4in)
Refrigerant piping	Max. refrigerant pipe length	ft	98.42	164.04	213.25	213.25	213.25
Refrigerant piping	Max. refrigerant pipe length	m	30	50	65	65	65
Refrigerant piping	Max. difference in level	ft	20	25	30	30	30
Refrigerant piping	Max. difference in level	m	6.09	7.62	9.14	9.14	9.14
Thermostat type	Wire Control	Wire Control	Wire Control	Wire Control	Wire Control	Wire Control	Wire Control
Room temperature	Indoor(cooling/heating)	17~32.0~30	17~32.0~30	17~32.0~30	17~32.0~30	17~32.0~30	17~32.0~30
Room temperature	Indoor(cooling/heating)	62~90.32~86	62~90.32~86	62~90.32~86	62~90.32~86	62~90.32~86	62~90.32~86
Room temperature	Outdoor(cooling/heating)	-15~50.15~24	-15~50.15~24	-15~50.15~24	-15~50.15~24	-15~50.15~24	-15~50.15~24
Room temperature	Outdoor(cooling/heating)	5~122.5~75	5~122.5~75	5~122.5~75	5~122.5~75	5~122.5~75	5~122.5~75
Application area (cooling standard)	sq.ft	258.33~376.74	344.44~505.90	430.56~635.07	516.67~753.47	678.13~990.28	818.06~1194.79