

Inverter Indoor Unit



CASSETTE

			3 Ton	4 Ton
Code			22022510003524	22022510003382
Indoor model			MCDT-36HRFN1-NC7	MCDT-48HRFN1-NC6
Indoor unit factory model			KSA-KT3FR95Q/BP3N1X-DT(C7)	KSA-KT3FR145Q/BP3N1Y-DT(C6)
Indoor code			22022511003177	22022511003056
Outdoor model			MOTD30-36HFN1-NC7W	MOTE30U-48HFN1-NC6W
Outdoor unit factory model			KSA-KT3FR95W/BP3N1-D30(C7)-W	KSA-KT3FR160W/BP3T1N1-E30T(C6)-W
Outdoor code			22022516001623	22023016002471
Power supply		V-ph-Hz	220-240-1-50/60	220-240-1-50/60
Cooling(T1)	Capacity	Btu/h Ton/h	33600 (8100-43400) 3 (1-4)	42500 (19000-54800) 3.5 (2-5)
	Input	W	2705(750-3700)	3600 (1500-5800)
	Current	A	12.00	15.95(6.8-26.0)
	EER	Btu/h/W Ton/h/W	12.421 1	11,805 1
Cooling(T3)	Capacity	Btu/h Ton/h	29000 2.5	38400 3
	Input	W	3372	4440
	Current	A	14.82	19.60
	EER	Btu/h/W Ton/h/W	8.6 0.1	8,64 0.1
Heating	Capacity	W	10200(2640-12300)	15200 (5480-16700)
	Input	W	2563(700-3600)	4200 (2000-5200)
	Current	A	11.47	18.55(9.0-24.0)
	COP	W/W	3.98	3.62
Indoor fan motor	New Model name		ZKFN-220-8-2	ZKFN-220-8-2
	Type		DC	DC
	Qty		1	1
	Input	W	274	274
	Output	W	220	220
	Capacitor	uF	/	/
	Speed(hi/mi/lo)	r/min	800/750/700	800/750/700
Indoor coil	a.Number of rows		3	3
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37
	c.Fin spacing	mm	1.4	1.4
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7,inner groove tube	Φ7,inner groove tube
	f.Coil length x height x width	mm	1125x252x40.11+1125x252x40.11	1125x252x40.11+1125x252x40.11
	g.Number of circuits		10	10
Indoor air flow (Hi/Med/Lo)		m ³ /h	1950/1750/1550	2300/2100/1900
Sound level (sound pressure)		dB(A)	51/49/46	56.5/54.5/52.5
Indoor unit	Dimension (W x Hx D)(body)	mm	910x910x287	910x910x287
	Packing (W x Hx D)(body)	mm	1015x1015x322	1015x1015x322
	Dimension (W x Hx D)(panel)	mm	1020x1020x50	1020x1020x50
	Packing (W x Hx D)(panel)	mm	1115x1115x107	1115x1115x107
	Net/Gross weight(body)	kg	34.4/41.3	34.7/41.2
	Net/Gross weight(panel)	kg	5.8/9.5	5.8/9.5
Design pressure		MPa	4.8/1.5	4.8/1.5
Drainage water pipe dia.		mm	ODΦ32mm	ODΦ32
Refrigerant piping	Liquid side/ Gas side	mm	9.52&19	Φ9.52/Φ19(3/8"/3/4")
Controller			Remote control	Remote control
Operation temperature		°C	17~30	17~30
Room temperature	Cooling	°C	17~32	17~32
	Heating	°C	0~30	0~30

Inverter Outdoor Unit



CASSETTE

			3 Ton	4 Ton
Model			MOTD30-33HFN1-NC7W	MOTE30U-55HFN1-NC6W
Factory model			KSA-KT3FR95W/BP3N1-D30(C7)-W	KSA-KT3FR160W/BP3T1N1-E30T(C6)-W
Code			22022516001623	22023016002471
Power supply		V-ph-Hz	220-240V,1Ph, 50/60Hz	220-240V,1Ph, 50/60Hz
Max. input consumption		W	4300	6100
Max. input current		A	19.8	28.0
Compressor	Model		ATF310D43TMT	ATQ420D1TMU
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	Btu/h Ton/h	32346 3	44220 4
	Input	W	2600	3485
	Rated current(RLA)	A	5.1	7.0
	Locked rotor Amp(LRA)	A	/	/
	Thermal protector position		INTERNAL	INTERNAL
	Capacitor	μF	/	/
Refrigerant oil	ml	RB75EA/1000	VG74/1400	
Outdoor fan motor	Model		ZKFN-120-8-2	ZKFN-85-8-22+ZKFN-85-8-22-2
	Input	W	150	126
	Output	W	120	85
	Capacitor	μF	/	/
	Speed	r/min	900/850	900/850/800
Outdoor coil	Number of rows		3	3
	Tube pitch(a)* row pitch(b)	mm	21x13.37	21x13.37
	Fin spacing	mm	1.4	1.4
	Fin type		Hydrophilic aluminum	Hydrophilic aluminium
	Tube outside dia.and type	mm	Φ7,Inner groove tube	Φ7,innergroove tube
	Coil length * height * width	mm	1000x756x13.37+980x756x13.37+965x756x13.37	985x1260x40.11
	Number of circuits		6	14
Outdoor noise level (sound pressure)		dB(A)	63	64
Throttle type			EEV	EEV
Outdoor unit	Dimension(WxDxH)	mm	946x410x810	952x415x1333
	Packing(WxDxH)	mm	1090x500x885	1095x495x1480
	Net/Gross weight	kg	64.9/69.6	97.2/110.2
Refrigerant type/Qua	Type		R410A	R410a
	Charged volume	kg	3.20	4.30
Design pressure		MPa	4.8/1.5	4.8/1.5
Refrigerant piping	Liquid side/ Gas side	mm(inch)	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ19(3/8"/3/4")
	Max. pipe length	m	30	50
	Max. difference in level	m	20	30
Ambient temperature	Cooling	℃	0~52	0~52
	Heating	℃	-15~24	-15~24
Qty/per 20' /40' /40'HQ		Outdoor unit	44/96/138	22/48/48
Max Fuse Amps		A		60