

Duct Type

Commercial Series **INVERTER**



NEW REFRIGERANT GAS

CARE OF ENVIRONMENT

R-32 refrigerant has 70% less potential global warming than R410A, and does not affect the ozone layer

	R-32	R410A	R22
Potential of exhaustion of Ozone	0	0	0,05
Potential of heating global	675	2.090	1.810



Appearance



New Outdoor Unit
60000 Btu/h

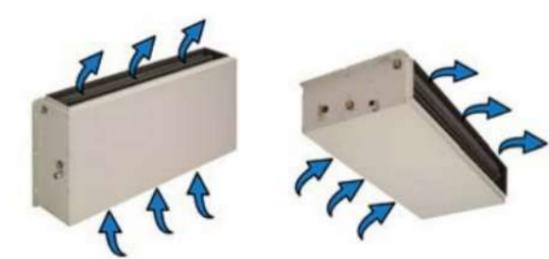


Features

- Weefly Timer
- Sleep Mode
- Low Ambient Cooling
- 2-way Draining
- Dust Filter
- Hot/Cold
- LED Display
- Wired Control
- Golden Fin
- R32 Refrigerant

Multiposition Evaporator

Available for Vertical or Horizontal installation of the internal unit and can be easily adapted to the design on site



Flexible Air Intake

The frame size of air inlet in rear and bottom is the same. It's very easy to switch to match different applications.



MODEL		TOU-24HRDN8-R TTB-24HWDN8-R	TOU-36HRDN8-R TTB-36HWDN8-R	TOU-60HRDN8-R TTB-60HWDN8-R	
Power Supply (Indoor)	V-Ph-Hz	220_240V_1Ph, FREQUENCY_50HZ	220_240V_1Ph, FREQUENCY_50HZ	220_240V_1Ph, FREQUENCY_50HZ	
Power Supply (Outdoor)	V-Ph-Hz	220_240V_1Ph, FREQUENCY_50HZ	220_240V_1Ph, FREQUENCY_50HZ	380_415V_3Ph, FREQUENCY_50HZ	
Cooling (Standard conditions)	Capacity	24200	36000	60000	
	Input	2280	3950	6500	
	Current	10	18.5	11	
	EER	3.11	2.67	2.70	
Heating (Standard conditions)	Capacity	27200	38000	60000	
	Input	2000	3000	4700	
	Current	9	14.5	8	
	COP	3.99	3.71	3.70	
Rated Power Input	W	3700	5200	7300	
Rated Current	A	19	22.5	14	
Starting current	A	/	0	/	
Indoor fan motor	Model	ZKFN-165-10-1L	ZKFN-165-10-1L	ZKFN-400-8-1	
	Qty	/	1	1	
	Input	W	/	/	
	Capacitor	uF	/	/	
	Speed(Hi/Mi/Lo)	r/min	950/850/750	1180/1040/910	910/855/690
Indoor coil	a.Number of rows	3	4	4	
	b.Tube pitch(a)x row pitch(b)	mm	19.5*11.6	19.5*11.6	21x13.37
	c.Fin spacing	mm	1.2	1.2	1.4
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Ø5,Inner groove tube	Ø5,Inner groove tube	Ø7,inner groove tube
	f.Coil length x height x width	mm	825*351*34.8	825*351*46.4	1025*378*53.48
	g.Number of circuits		9	9	9
Indoor air flow (Hi/Mi/Lo)	m3/h	1200/1000/700	1500/1200/900	2200/1900/1500	
	Pa	25	37	50	
ESP	Range	Pa	0-160	0-160	
	dB(A)		33.5/32.5/31	40.5/38.5/36.5	45.5/43.5/42
Indoor noise level (Hi/Mi/Lo)	Throttle type	/	Throttle valve of the outdoor unit	Outdoor unit regulation	
	Dimension(W*D*H)	mm	1000x750x245	1000x750x245	1200x750x300
Indoor unit	Packing (W*D*H)	mm	1225x860x304	1225x860x304	1425x860x359
	Net/Gross weight	kg	31.8/37.2	32.7/38.3	42.9/49.1
	Drainage water pipe dia	mm	ODØ25mm	ODØ25mm	ODØ25mm
Compressor	Qty per 20' /40' /40HQ	Indoor unit	70/154/176	70/154/176	60/126/147
	Model		KTM240D46UKT2	KTM240D46UKT2	KTQ420D1UMU
Outdoor fan motor	Type		ROTARY	ROTARY	
	Brand		GMCC	GMCC	
	Capacity	W	4780/7600	4780/7600	13700
	Input	W	805/2045	805/2045	3700
	Rated current(RLA)	A	4.15/9.30	4.15/9.30	7.02
	Locked rotor Amp(LRA)	A	0	0	/
	Thermal protector		/	/	INT0IL-4639
	Thermal protector position		NA	NA	EXTERNAL
	Capacitor	uF	0	0	/
	Refrigerant oil/oil charge	ml	VG74 620	VG74 620	VG74/1400
Outdoor coil	Model		ZKFN-80-8-3	ZKFN-120-8-2	ZKFN-250-10-1
	Qty		/	150	/
	Input	W	/	/	/
	Capacitor	uF	/	/	/
	Speed	r/min	830/550	950/550	850/400
	a.Number of rows		1.6	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x22	25.4x22	21x22
Outdoor air flow	c.Fin spacing	mm	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Ø7,Inner groove tube	Ø7,Inner groove tube	Ø7,Inner groove tube
	f.Coil length x height x width	mm	900*609*22~540*609*22	995*762x44	990*924*44
	g.Number of circuits		5	8	12
	Outdoor air flow	m3/h	3500	4800	5600
	Outdoor noise level	dB(A)	60	63	65
Outdoor unit	Throttle type	/	(EXV+Throttle valve)	Throttle valve	
	Dimension(W*D*H)	mm	890x342x673	946x410x810	980x415x975
	Packing (W*D*H)	mm	995x398x740	1090x500x885	1145x500x1080
Refrigerant type	Net/Gross weight	kg	41.9/45.2	54.5/59	85.6/99.8
	Design pressure	MPa	R32/1.4	R32/2.05	R32/2.6
Refrigerant piping	Liquid side/ Gas side	mm(inch)	4.3/1.7	/	4.3/1.7
	Max. refrigerant pipe length	m	50	30	50
	Max. difference in level	m	25	20	30
Thermostat type	Operation temperature	°C	(Wire Control)	Wire Control	Wire Control
	Room temperature	°C	17~30	17~30	17~30
Room temperature	Indoor(cooling/ heating)	°C	16~32/0~30	16~32/0~30	16~32/0~30
	Outdoor(cooling/heating)	°C	-15~50/-20~24	-15~50/-15~24	-15~50/-15~24
Qty per 20' /40' /40HQ	Outdoor unit		99/198/198	44/96/138	44/96/96