

MODEL		TTB-24HWDNI-R	TTB-36HWDNI-R	TTB-60HWDNI-R	
Power supply	Ph-V-Hz	220-240V,1Ph, 50Hz	220-240V,1Ph, 50Hz	380-415V,3Ph,50Hz	
Cooling	Capacity	24000	36000	55000	
	Input	2191	4058	6176	
	Rated current	A	10	9.42	
	EER	W/W	3.21	2.60	2.61
Heating	Capacity	24000	38000	58000	
	Input	1950	3085	4709	
	Rated current	A	8.9	14.1	7.18
	COP	W/W	3.61	3.61	3.61
Max. input consumption	W	2950	4500	7800	
Max. current	A	14	21	16	
Starting current	A	/	/	/	
Compressor	Model	ATF235D22UMT	ATF310D43UMT	ATQ420D1UMU	
	Type	ROTARY	ROTARY	ROTARY	
	Brand	GMCC	GMCC	GMCC	
	Capacity	W	7135	9490	13100
	Input	W	1970	2600	3420
	Rated current(RLA)	A	6.95	5.1	6.85
	Locked rotor Amp(LRA)	A	/	/	/
	Thermal protector	/	/	/	
	Thermal protector position	NA	NA	NA	
	Capacitor	μF	/	/	/
Refrigerant oil/oil charge	ml	VG74/670	VG74/1000	VG74/1400	
Indoor fan motor	Model	ZKFN-160-8-1-2	ZKFN-300-8-1	YKSS-210-4-2	
	Input	W	90.0	250.0	430.0
	Capacitor	uF	/	/	10
Indoor coil	Speed(Hi/Mi/Lo)	r/min	870/790/710	1100/1000/900	940/850/740/645
	a.Number of rows		3.0	4.0	4.0
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.4	1.4	1.5
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ7. Inner groove tube	Φ7. Inner groove tube	Φ7. Inner groove tube
	f.Coil length x height x width	mm	915x294x40.11	1175x294x53.48	1030x378x53.48
g.Number of circuits		7	7	8	
Indoor air flow (Hi/Mi/Lo)	m3/h	1099/782/487	1424/1108/572	2200/1850/1400	
Indoor noise level (Hi/Mi/Lo)	dB(A)	42/39/36	42/40.5/39	48/44/41	
Indoor unit	Dimension(W*D*H)	mm	1100x774x249	1360x774x249	1200x874x300
	Packing (W*D*H)	mm	1305x805x315	1570x805x315	1405x915x365
	Net/Gross weight	Kg	31.7/39.1	40.2/48.4	47.2/55.9
Outdoor fan motor	Model	ZKFN-50-8-2	ZKFN-120-8-2	YKT-90-6-10	
	Input	W	115.0	150.0	142.0
	Capacitor	uF	/	/	5
	Speed	r/min	850/500	950	880/810
Outdoor coil	a.Number of rows		2.0	2.0	1.6
	b.Tube pitch(a)x row pitch(b)	mm	25.4x22	25.4x22	25.4x22
	c.Fin spacing	mm	1.4	1.3	1.4
	d.Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum
	e.Tube outside dia.and type	mm	Φ9.52, Inner groove tube	Φ9.52, Inner groove tube	Φ9.52, Inner groove tube
	f.Coil length x height x width	mm	730x660x44	995x762x44	990x1270x22+500x1270x22
	g.Number of circuits		4	4	8
Outdoor air flow	m3/h	3000	3800	7650	
Outdoor noise level	dB(A)	59	62	64	
Outdoor unit	Dimension(W*D*H)	mm	845x363x702	946x10x810	952x415x1333
	Packing (W*D*H)	mm	965x395x775	1090x500x885	1095x495x1480
	Net/Gross weight	Kg	49/51.5	67.2/72.9	107/120.7
Refrigerant type	Kg	R410A/1.95	R410A/3.2	R410A/4	
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	
Refrigerant piping	Liquid side/ Gas side	mm (inch)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/19mm(3/4in)
	Max. refrigerant pipe length	m	50	65	50
	Max. difference in level	m	25	30	30
Connection wiring		/	/	1.0x4	
Plug type		/	/	no-plug	
Thermostat type		Wire Control	Wire Control	Wire Control	
Operation temperature	℃	17~30	/	17~30	
Room temperature	Indoor(cooling/ heating)	℃	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	℃	-15~50/-15~24	-15~50/-15~24	0~50/-15~24
Application area (Cooling Standard)	m ²	/	/	73~107	
Qty/per 20' /40' /40'HQ		102/215/216	44/96/138	////	



Standard Features



Optional Features

