

Specs

MODEL		TTB-12HWDNI-R/TOU-12HDNI-R	TTB-18HWDNI-R/TOU-18HDNI-R	TTB-24HWDNI-R/TOU-24HDNI-R	TTB-36HWDNI-R/TOU-36HDNI-R	
Power supply (Indoor)	V- Ph-Hz	220_240V_1Ph, FREQUENCY_50HZ	220_240V_1Ph, FREQUENCY_50HZ	220_240V_1Ph, FREQUENCY_50HZ	220-240V1Ph, 50Hz	
Power supply (Outdoor)	V- Ph-Hz	220-240V1Ph, 50Hz	/, /	220_240V_1Ph, 50Hz	220-240V1Ph, 50Hz	
Cooling (Standard conditions)	Capacity	12000	18000	24000	36000	
	Input	1300	1720	2236	4160	
	Current	5.7	7.6	10	18.8	
	EER	W/W	2.71	3.07	3.15	2.54
Heating (Standard conditions)	Capacity	13000	19000	26000	40000	
	Input	1050	1653	2000	3200	
	Current	5.5	7.25	9.5	14.5	
	COP	W/W	3.63	3.37	3.81	3.66
Rated Power Input	W	2100	2950	3700	5000	
Rated Current	A	9.1	13.5	19	22.5	
Starting current	A	0	/	/	0	
Indoor fan motor	Model	ZKFN-55-8-22-1	ZKFN-160-8-1-2	ZKFN-160-8-1-2	ZKFN-300-8-1	
	Qty					
	Input	W	130	90	90	250
	Capacitor	uF	0	/	/	/
	Speed(Hi/Mi/Lo)	r/min	1080/904/736	1192/1032/684	880/800/720	1100/1000/900
Indoor coil	a.Number of rows	3	3	3	4	
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	1.4	1.4	1.4	1.4
	d.Fin type (code)		Hydrophilic aluminum	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	φ7,inner groove tube
	f.Coil length x height x width	mm	526x210x40.11	695x252x40.11	915x294x40.11	1175x294x53.48
	g.Number of circuits		4	4	7	7
Indoor air flow (Hi/Mi/Lo)	m ³ /h	600/480/300	911/706.3/515.2	1229/1036/825.1	2100/1800/1500	
ESP	Rated	Pa	25	25	37	
	Range	Pa	0-60	0-100	0-160	0-160
Indoor noise level (Hi/Mi/Lo)		dB(A)	38/34/25	41/38/34	42/39/36	44/42/39
	Throttle type	/	/	/	/	/
Indoor unit	Dimension(W*D*H)	mm	700x506x200	880x674x210	1100x774x249	1360x774x249
	Packing (W*D*H)	mm	860x540x285	1070x725x280	1305x805x315	1570x805x330
	Net/Gross weight	kg	17.8/21.5	24.4/29.6	32.3/39.1	40.5/48.2
Drainage water pipe dia Qty per 20' /40' /40HQ	Model					
	Type	Indoor unit				
	Brand		KSN98D64UFZ3	KSN140D21UFZ	KTM240D57UMT	KTF300D43UMT
	Capacity	W	1930/3100 ±3%	4385	7740	10010
	Input	W	292/765 ±3%	1140	2085	2765
	Rated current(RLA)	A	2.15/4.65 ±3%	7.50	9.45	5.38
	Locked rotor Amp(LRA)	A	/	/	/	/
	Thermal protector	/	/	/	/	INTOIL-4639
	Thermal protector position		NA	/	NA	EXTERNAL
	Capacitor	uF	/	/	/	/
Refrigerant oil/oil charge	ml	ESTER OIL VG74 300±10	VG74 440	ESTER OIL VG74 670	VG74/1000	
Outdoor fan motor	Model	ZKFN-34-10-1-3	ZKFN-34-10-1-3	YKT-65-6-234-1	ZKFN-120-8-2	
	Qty	/	/	/	/	
	Input	W	/	/	150	
	Capacitor	uF	0	/	5	/
	Speed	r/min	780/600	760/650	800/700/580	950/850/700
Outdoor coil	a.Number of rows	1	2	1.6	2	
	b.Tube pitch(a)x row pitch(b)	mm	21x22	21x22	21x22	25.4x22
	c.Fin spacing	mm	1.3	1.3	1.3	1.3
	d.Fin type (code)		Hydrophilic aluminum	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	φ9.52,inner groove tube
	f.Coil length x height x width	mm	745*504*22	860*504*44	900*609*22*540*609*22	995x762x44
	g.Number of circuits		2	4	5	4
Outdoor air flow	m ³ /h	2200	2100	3500	4000	
Outdoor noise level	dB(A)	56	55	59.5	64	
Throttle type	/	EXV	EXV	Throttle valve	EXV+Throttle valve	
Outdoor unit	Dimension(W*D*H)	mm	765x303x555	805x330x554	890x342x673	946x410x810
	Packing (W*D*H)	mm	887x337x610	915x370x615	995x398x740	1090x500x885
	Net/Gross weight	kg	26.9/29.2	33.6/36.2	44/47.3	67.6/72.1
Refrigerant type	kg	R410A/1.05	R410A/1.55	R410A/1.9	R410A/3.2	
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	4.2/1.5	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	25	30	25	75
	Max. difference in level	ft	10	20	15	30
Thermostat type	°C	Wire Control	Wire Control	Wire Control	Wire Control	
Operation temperature	°C	17~30	17~30	17~30	17~30	
Room temperature	Indoor(cooling/ heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30	17~32/0~30
	Outdoor(cooling/heating)	°C	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24	-15~50/-15~24
Qty per 20' /40' /40HQ	Outdoor unit		132/264/352	114/234/312	99/198/198	44/96/138



Standard Features



Optional Features

