

MODEL		TSAF-12HRDNI	TSAF-18HRDNI	TSAF-24HRDNI	
Power supply	V-Ph-Hz	220-240V,1Ph,50Hz	220_240V_1PhFREQUENCY_50HZ	220_240V_1PhFREQUENCY_50HZ	
Cooling (Standard conditions)	Capacity	Btu/h	12000	18000	24000
	Input	W	1096	1674	2191
	Current	A	7.2	6.70	9.71
	EER	W/W	3.21	3.15	3.21
Heating (Standard conditions)	Capacity	Btu/h	12000	18500	24000
	Input	W	1005	1506	2063
	Current	A	6.5	6.06	9.14
	COP	W/W	3.50	3.60	3.41
Rated Power Input	W	2200	2800	3000	
Rated Current	A	11	13.5	13.5	
Starting current	A	/	/	0	
Compressor	Model	KSK103D33UEZ3	KSN140D21UFZB	KTN150D30UFZA	
	Type	ROTARY	ROTARY	Twin-ROTARY	
	Brand	GMCC	GMCC	GMCC	
	Capacity	W	2035/3255	4385	4730
	Input	W	325/826	1140	1250
	Rated current(RLA)	A	2.40/5.65	7.50	8.10
	Locked rotor Amp(LRA)	A	/	/	/
	Thermal protector	/	/	/	/
	Thermal protector position	NA	/	NA	/
	Capacitor	µF	/	/	/
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 310	VG74 440	ESTER OIL VG74 450
Indoor fan motor	Model	YKFG-13-4-38L-4	YKFG-25-4-6-14	ZKFP-58-8-20L	
	Input	W	40	55	/
	Capacitor	µF	12	15	/
	Speed(Hi/Mi/Lo)	r/min	1200/950/850	1200/1000/850	1200/1000/850
Indoor coil	a.Number of rows		2	2	2
	b.Tube pitch(a)x row pitch(b)	mm	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm	12	12	13
	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	598x84x13.37+598x105x26.74	750x189x26.74+750x105x26.74	780x210x26.74+780x105x26.74
	g.Number of circuits		3	3	4
	Indoor air flow (Hi/Mi/Lo)	m3/h	600/450/350	805/640/530	970/760/620
Indoor noise level (Hi/Mi/Lo)	dB(A)	40.5/32.5/28	43/38/32.5	44.5/39/34	
Indoor unit	Dimension(W*D*H)	mm	805x194x285	957x213x302	1040x220x327
	Packing (W*D*H)	mm	870x270x365	1035x295x385	1120x405x315
	Net/Gross weight	kg	8.2/10.4	10.24/13.1	12/15.4
	Model		ZKFN-25-10-5L	ZKFN-34-10-1L	ZKFN-34-10-1L
Outdoor fan motor	Input	W	/	/	/
	Capacitor	µF	/	/	/
	Speed	r/min	880/450	810/700/550	900/700/550
	Outdoor coil	a.Number of rows		1	1
b.Tube pitch(a)x row pitch(b)		mm	21x13.37	21x13.37	21x13.37
c.Fin spacing		mm	1.4	1.4	1.4
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	750x462x13.37	875*504*13.37+525*504*13.37	870*504*26.74
g.Number of circuits			2	4	4
Outdoor air flow		m3/h	1800	2500	2500
Outdoor noise level	dB(A)	55.5	56.5	55.5	
Outdoor unit	Dimension(W*D*H)	mm	720x270x495	805x330x554	805x330x554
	Packing (W*D*H)	mm	835x300x540	915x370x615	915x370x615
	Net/Gross weight	kg	22.3/24.0	30.44/33	31.7/34.3
	Refrigerant type	kg	R410A/0.72	R410A/1.25	R410A/1.5
Design pressure	MPa	4.2/1.5	4.2/1.5	4.2/1.5	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	φ3.5mm(1/4in)/12.7mm(1/2in)	φ3.5mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)
	Max. refrigerant pipe length	m	25	30	30
	Max. difference in level	m	10	20	20
Connection wiring		1.5x4//	1.5x4//	1.5x4//	
Plug type		15x3/VDE	15x3/no-plug	//no-plug	
Thermostat type		(Remote Control)	(Remote Control)	(Remote Control)	
Operation temperature	Room temperature	°C	17~30	17~30	17~30
	Indoor(cooling/heating)	°C	17~32/0~30	17~32/0~30	17~32/0~30
Application area (Cooling Standard)	Outdoor(cooling/heating)	°C	-15~50/-15~30	-15~50/-15~30	0~50/-15~30
	Qty per 20' /40' /40HQ	m²	16~23	23~33	29~42
		130/270/305	84/180/208	83/169/199	

Turbo Mode

With one finger touch, the Turbo Mode can be activated. Under this mode, the blower wheel runs at the full-speed sprint to bring strongest cool airflow, dropping room temperature down instantly.

Dual Filtration

The Dual Filtration system thoroughly eliminates harmful substances in two successive steps, providing fresh and clean air to you.



Wall Split

Residential series **INVERTER**



Comfort

ThermoStatic Technology



Thanks to the precise control of the Inverter Quattro™'s micro-chip, the air conditioner can easily maintain the desired temperature by varying the compressor speed without repeatedly turning on and off, keeping you feel comfortable with steady temperature within ±0.5°C.

Features

- Timer
- Auto Mode
- Auto Swing
- Super Turbo
- Dry Mode
- Refrigerant Leakage Detector
- Auto Fan Speed
- Backlit Remote
- Gear Control
- Sleep Mode
- Dust Filter
- Hot/Cold
- Golden Fin
- R-410A Refrigerant
- Wifi (Optional)
- LED Display

Appearance



TechnoStar
Premium Air Conditioners