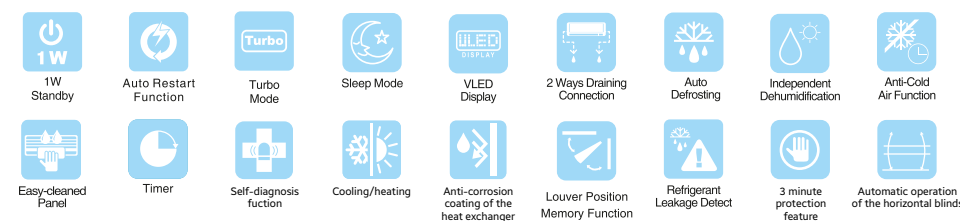


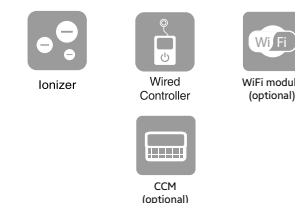


MODEL		TSAF-07HRN1	TSAF-09HRN1	TSAF-12HRN1	TSAF-18HRN1	TSAF-24HRN1	
Power supply	Ph-V-Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	
Cooling	Capacity	Btu/h 7500 (I~I)	9000	12000	18000	24000	
	Input	W 684 (I~I)	760	1200	1643	2503	
	Rated current	A 3.0 (I~I)	3.4	5.3	7.1	10.88	
	EER	/	3.50	2.80	3.21	2.81	
Heating	Capacity	Btu/h 8000 (I~I)	8000	11500	19000	25000	
	Input	W 649 (I~I)	690	1100	1547	2283	
	Rated current	A 2.8 (I~I)	3.0	4.8	6.7	9.5	
	COP	/	3.5	3.20	3.6	3.21	
Max. input consumption	W	1050	1100	1600	2600	4000	
Max. current	A	5.5	5.0	9.5	15	20	
Starting current	A	/	16	25	42	0	
Compressor	Model	ASN82V1UDZ	ASM106V1VDZA	ASM140V1VDZ	PA216G2C-4FTL	PA280G2CS-4MTL	
	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
	Brand	GMCC	GMCC	GMCC	GMCC	GMCC	
	Capacity	W 1	2740/2754	4060/4060	6160/6165	8135/8175	
	Input	W 702/735	722/745	955/995	1425/1450	1920/2010	
	Rated current(RLA)	A 3.21/3.15	3.18/3.22	4.35/4.20	6.55/6.15	8.9/8.75	
	Locked rotor Amp(LRA)	A 16.1	21	25.0	42	55	
	Thermal protector	BF635-MA	/	UP3-21/HPA-522	UP3-65H	UP3-68	
	Thermal protector position	EXTERNAL	INTERNAL	INTERNAL	INTERNAL	INTERNAL	
	Capacitor	µF 25.0	25.0	35.0	55.0	60.0	
Indoor fan motor	Refrigerant oil/oil charge	ml ESTEL OIL VG74/300	ESTER OIL VG74/350	ESTER OIL VG74/320	VG74/620	VG74/750	
	Model	YKFG-13-4-38L	YKTS-40-6-7-2	YKFG-13-4-38L	YKFG-28-4-3-14	YKFG-45-4-22	
	Input	W 40.0	40	40.0	71.0	77.0	
	Capacitor	µF 1.2	1.2	1.2	1.5	3	
	Speed(Hi/Mi/Lo)	r/min 1100/1000/900	1200/950/800	1150/950/800	1180/1000/850	1200/1000/850	
	a.Number of rows	2.0	2	2.0	2	2.0	
	b.Tube pitch(a)x row pitch	mm 19.5x11.6	19.5x11.6	19.5x11.6	21x13.37	21x13.37	
	c.Fin spacing	mm 1.2	1.2	1.2	1.2	1.3	
	d.Fin type (code)	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	Hydrophilic aluminum	
	e.Tube outside dia.and type	mm Φ5,Inner groove tube	Φ5,Inner groove tube	Φ5,Inner groove tube	Φ7,Inner groove tube	Φ7,Inner groove tube	
Indoor coil	f.Coil length x height x w idt	mm 510x253.5x23.2	595x78x23.2+595x117x23.2+595x78x23.2	750x189x26.74+750x105x26.74	780x210x26.74+780x105x26.74		
	g.Number of circuits	3	3	4	3	4	
	Indoor air flow (Hi/Mi/Lo)	m ³ /h 445/373/302	510/380/338	403/320/292	801/642/516	997/792/638	
	Indoor noise level (Hi/Mi/Lo)	dB(A) 36.5/33/28.5	40/33/26	39/34/28.5	42.5/36.5/31	46.5/41.5/32	
	Indoor unit	Dimension(W*D*H)	mm 715x194x285	715x194x285	805x194x285	957x213x302	1040x220x327
		Packing (W*D*H)	mm 780x270x365	780x270x365	870x270x365	1035x295x385	1120x405x315
		Net/Gross weight	Kg 7.1/9.3	7.2/9.4	8.1/9.9	11.1/14.3	13.2/16.2
	Outdoor fan motor	Model	YKT-32-6-203L	YKT-32-6-203L	YKT-32-6-203L	YKT-48-6-206-8	YKT-75-6-200L-8
		Input	W 72.5	72.5	72.5	103.8	/
		Capacitor	µF 2.5	2.5	2	3	3
Speed		r/min 850/770	850/770	850/770	890/830	850/750	
a.Number of rows		1.0	1.0	1.0	2	2.0	
b.Tube pitch(a)x row pitch		mm 21x13.37	21x13.37	21x22	21x13.37	21x13.37	
c.Fin spacing		mm 1.4	1.4	1.2	1.4	1.4	
Outdoor coil	d.Fin type (code)	Hydrophilic aluminum	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	Φ7,Inner groove tube	
	f.Coil length x height x w idt	mm 685x504x13.37	685x504x13.37	680x504x22	755*504*13.37+685*504*13.37	780x651x26.74	
	g.Number of circuits	2	2	4	4	6	
	Outdoor air flow	m ³ /h 1900	/	1900	2000	3100	
	Outdoor noise level	dB(A) 52.0	55.5	54.5	57	59.5	
	Outdoor unit	Dimension(W*D*H)	mm 700x275x550	700x270x550	700x275x550	770x300x555	845x363x702
Packing (W*D*H)		mm 815x325x625	815x325x615	815x325x625	900x348x625	965x395x775	
Net/Gross weight		Kg 23.5/25.8	26.4/28.6	27.6/29.9	40/42.9	51.6/56.8	
Refrigerant type	Kg R410A/0.52	R410A/0.73	R410A/0.72	R410A/1.18	R410A/1.75		
Design pressure	MPa 4.2/1.5	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)/9.52mm(3/8in)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm(3/8in)/15.9mm(5/8in)	
	Max. refrigerant pipe length	m 20	20	20	25	25	
	Max. difference in level	m 8	8	8	10	10	
Connection wiring	///	3x1.5+2x0.75(Optional)	1.5x3/0.75x2	2.5x3/0.75*2	1.0x4//		
Plug type	1.5x3/VDE	3x1.5/VDE	1.5x3/VDE	1.5x3/no-plug	//no-plug		
Thermostat type	Remote Control	Remote Control	Remote Control	Remote Control	Remote 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	17~32/0~30	
	Outdoor(cooling/heating)	°C 18~43/-7~24	18~43/-7~24	18~43/-7~24	18~43/-7~24	18~43/-7~24	
Application area (Cooling Standard)	m ²	10~15	12~18	15~21	24~35	32~47	
Qty'per 20' /40' /40'HQ	.	117/235/280	120/250/280	114/235/278	86/180/208	64/136/146	

Standard Feature



Optional Feature



Maximum resistance Outdoor Unit

