

Wall Split

Residential Series



CARE OF ENVIRONMENT

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

NEW REFRIGERANT GAS

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

MODEL		TSAF-09HRN8	TSAF-12HRN8	TSAF-18HRN8	TSAF-24HRN8
Power Supply		V-Ph-Hz 220-240V, 1Ph, FREQUENCY, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz	220-240V, 1Ph, 50Hz
Cooling (Standard conditions)	Capacity	Btu/h 9000	12000	18000	24000
	Input	W 821	1095	1643	2190
	Current	A 3.6	4.76	7.2	9.5
	EER	W/W 3.21	3.21	3.21	3.21
Heating (Standard conditions)	Capacity	Btu/h 9000	12500	19000	24000
	Input	W 730	1015	1542	2060
	Current	A 3.2	4.41	6.8	9
	COP	W/W 3.61	3.61	3.61	3.41
Rated Power Input	W	1300	1600	2350	2900
Rated Current	A	7.5	9.5	13	15.5
Starting current	A	18.0	25	38	42
Compressor	Model	KSM89V21VDZ3	KSM125V2VDZ	KSF190V1VETB	KSG240SIVKT
	Type	ROTARY	ROTARY	ROTARY	ROTARY
	Brand	GMCC	GMCC	GMCC	GMCC
	Capacity	W 2680/2715	3770/3805	5835/5875+3%	7200
	Input	W 670/700	910/960	1370/1470+3%	1665+3%
	Rated current(RLA)	A 3.08	4.20/4.10	6.40/6.30+3%	7.3+3%
	Locked rotor Amp(LRA)	A 18	25	38+10%	42+10%
	Thermal protector	HPA-318L/UP3-A0L	/	UP3-A6/HPA-340	HPA-44IH
	Thermal protector position	INTERNAL	INTERNAL	INTERNAL	INTERNAL
	Capacitor	µF 25	35	45	60
	Refrigerant oil/oil charge	ml ESTER OIL VG68 270±15 ml	VG68 300 ±15 ml	ESTER OIL VG74 410±15	VG74 610±15
	Indoor fan motor	Model	YKFG-13-4-38L-4	YKFG-13-4-38L-4	YKFG-28-4-3-14
Input		W 40	40	71	77
Capacitor		µF 12	12	15	3
Speed(Hi/Mi/Lo)		r/min 1200/930/800	1150/950/800	1180/1000/900	1200/1000/850
Indoor coil	a.Number of rows	2	2	2	2
	b.Tube pitch(a)x row pitch(b)	mm 19.5x11.6	19.5x11.6	21x13.37	21x13.37
	c.Fin spacing	mm 12	12	12	13
	d.Fin type (code)	Hydrophilic aluminum	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	Ø7,inner groove tube
	f.Coil length x height x width	mm 510x78x23.2+510x97.5x23.2+510x78x23.2	595x78x23.2+595x117x23.2+595x78x23.2	750x189x26.74+750x105x26.74	780x210x26.74+780x105x26.74
	g.Number of circuits	3	4	3	4
Indoor air flow (Hi/Mi/Lo)	m ³ /h 450/340/280	540/420/340	772/614/535	1000/800/700	
Indoor noise level (Hi/Mi/Lo)	dB(A) 39.0/32.0/26.5	38.0/33.0/26.0	40.3/35/32	46.5/41/34	
Indoor unit	Dimension(W*D*H)	mm 715x194x285	805x194x285	957x213x302	1040x220x327
	Packing (W*D*H)	mm 780x270x365	870x270x365	1035x295x385	1120x405x315
	Net/Gross weight	kg 7.4/9.6	8.1/10.3	10.9/13.8	13.7/17.1
Outdoor fan motor	Model	YKT-24-6-231L	YKT-24-6-231L	YKT-24-6-236L	YKT-65-6-240L
	Input	W 63.5	63.5	/	135
	Capacitor	µF 2	2	2.5	5
Outdoor coil	Speed	r/min 820/700	820	870	850
	a.Number of rows	1	1	1	1.6
	b.Tube pitch(a)x row pitch(b)	mm 21x13.37	21x13.37	21x13.37	21x13.37
	c.Fin spacing	mm 14	14	14	13
	d.Fin type (code)	Hydrophilic aluminum	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	Ø7,inner groove tube
	f.Coil length x height x width	mm 750x462x13.37	750x462x13.37	755*504*13.37+735*504*13.37	900*609*26.74
g.Number of circuits	2	2	2	5	
Outdoor air flow	m ³ /h 1800	1800	2100	4200	
Outdoor noise level	dB(A) 53.5	55.0	57	60.5	
Outdoor unit	Dimension(W*D*H)	mm 720x270x495	720x270x495	765x303x555	890x342x673
	Packing (W*D*H)	mm 835x300x540	835x300x540	887x337x610	995x398x740
	Net/Gross weight	kg 24.7/26.6	25.6/27.4	34.5/37	47.9/50.9
Refrigerant type	kg R32/0.56	R32/0.53	R32/1	R32/1.3	
Design pressure	MPa 4.3/1.7	4.3/1.7	4.3/1.7	4.3/1.7	
Refrigerant piping	Liquid side/ Gas side	mm(inch) 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	25	25
	Max. difference in level	m 8	8	10	10
Connection wiring		1.5x3/0.75x2	1.5x3/0.75x2	1.5x3/0.75x2	2.5x3/0.75x2
Plug type		1.5x3/VDE	1.5x3/VDE	1.5x3/no-plug	2.5x3/no-plug
Thermostat type		(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
	Outdoor(cooling/heating)	°C 18~43/-7~24	18~43/-7~24	18~43/-7~24	18~43/-7~24
Application area (Cooling Standard)	m ²	12~18	16~23	24~35	32~47
Qty 'per 20' 40' /40' HQ		138/284/312	132/274/305	90/190/222	66/137/156

Appearance



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
- R410A Refrigerant
- Wifi (Optional)
- LED Display