

TOPAIRE

AIR CONDITIONER

R32

Inverter



Air Cooled Split Unit

- CEILING CASSETTE
- CEILING / FLOOR

**HIGHLY
DURABLE
GOLD FIN**

 Innovation Beyond Comfort

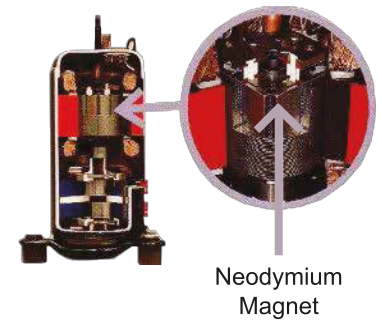
TOPAIRE introduces ideal Energy Saving solutions for residential air conditioning system. All the models of the Inverter Series are equipped with DC Inverter compressor for the high EER operation.

Inverter Technology

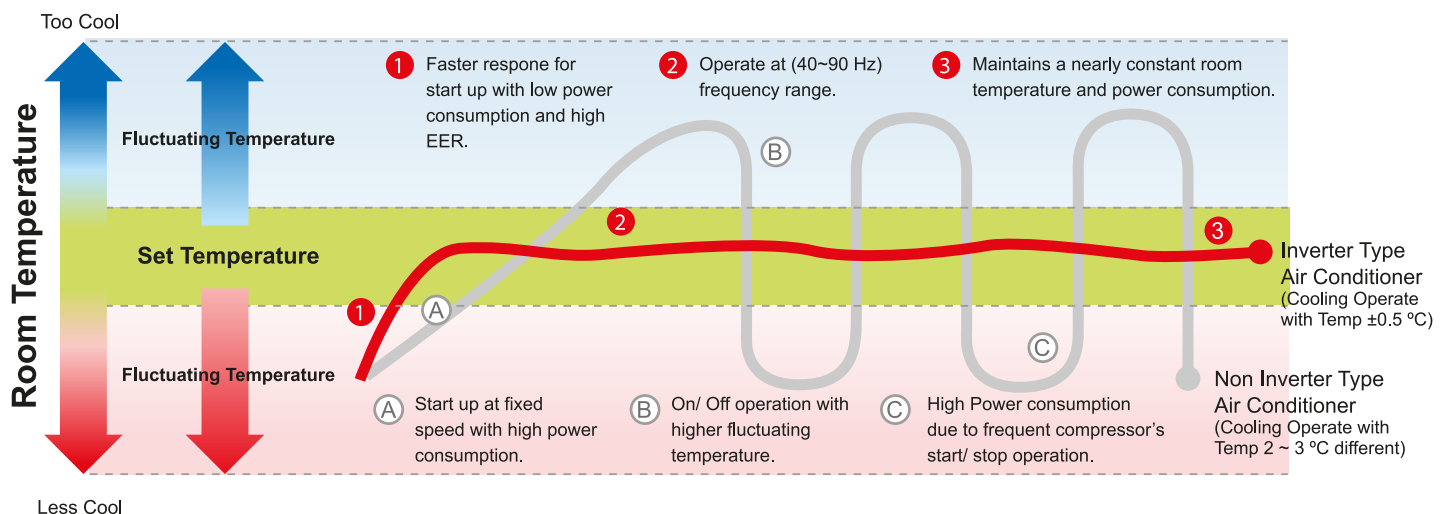
TOPAIRE inverter technology is equipped with DC inverter compressor. The compressor varies its speed in response to the cooling load to minimise temperature fluctuation and maximise energy efficiency, whereby achieving cost-efficient, energy saving performance at all times.

Powerful DC Inverter Compressor

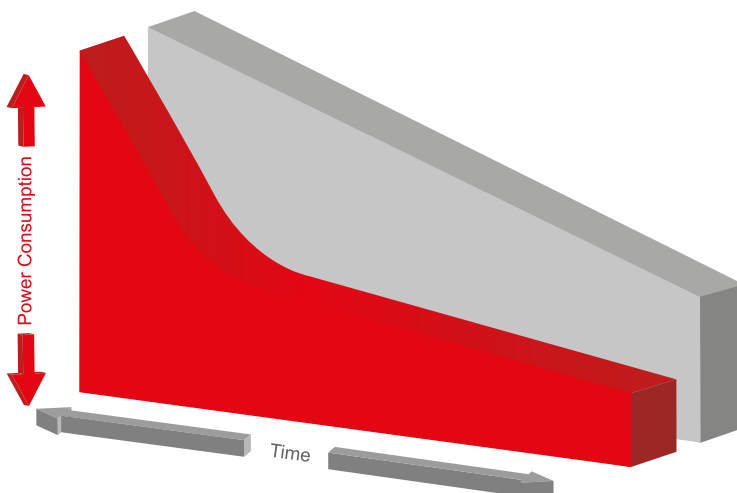
DC inverter motor used Neodymium magnet (rare magnet) to attain high torque and high EER for optimum performance



Accurate Temperature Control



Energy Saving Simulation



Air conditioner- 1.5HP. Comparison of inverter & non-inverter type:-

- Operation condition with outside ambient temperature: $35^{\circ}\text{C} \sim 25^{\circ}\text{C}$.
- Indoor setting room temperature : 25°C with fan speed (Auto mode).
- Total power consumption measured for 24 hour in test room.
- At least 30% ~ 40% energy saving.

* Note: The actual power consumption may varied due to others site condition and external factor.

COMPACT / FOUR WAY CASSETTE



TCSV 13C3

TCSV 20C3 TCSV 25C3 TCSV 30C3
TCSV 40C3 TCSV 50C3

- New 360° air distribution outlet panel with auto swing (Up & Down)
- LED light indicator display panel & auto restart function.
- Aerodynamic fan to enhance strong air flow and air circulation
- Evaporator coil with durable gold fin.
- Washable saran net air filter.



- Built in high head lift up 750mm water drain pump.
- To improve drain water flow & prevent drain pipe clogging.

Standard Unit c/w Wireless Remote Controller
(Optional Wired Remote Controller)

Specification

MODEL			Indoor	TCSV 13C3	TCSV 20C3	TCSV 25C3	TCSV 30C3
			Outdoor	TASV 13C3	TASV 20C3	TASV 25C3	TASV 30C3
Cooling capacity (Min-Max)			Btu/hr	12,500 (2,897-14,020)	19,000 (9,900-20,000)	24,000 (11,263-27,000)	30,000 (7,600-32,000)
			kW	3.66 (0.85-4.11)	5.57 (2.90-5.86)	7.03 (3.30-7.91)	8.79 (2.23-9.38)
Power supply			V/Ph/Hz	220 - 240 / 1 / 50			
Power input			W	1,010	1,700	2,200	2,750
Rated current			A	4.5	7.5	9.5	12.0
Indoor unit	Air flow		CFM	350	640	770	1000
	Sound level	H/M/L	dBA	42 / 38 / 35	46 / 41 / 38	46 / 40 / 37	51 / 48 / 46
	Dimension (WxDxH)	Unit	mm	570 x 570 x 260	840 x 840 x 205	840 x 840 x 205	840 x 840 x 245
		Panel	mm	650 x 650 x 50	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55
	Weight	Unit	kg	16	23	23	25
		Panel	kg	2.5	6.5	6.5	6.5
Outdoor unit	Dimension (WxDxH)		mm	765 x 303 x 555	805 x 330 x 554	890 x 342 x 673	946 x 410 x 810
	Weight		kg	27	30	38	53
	Refrigerant		Type	R32			
	Capacity control		Type	EXV	Capillary Tube	Throttle Valve	EXV + Throttle Valve
Refrigerant pipe	Liquid		mm (in)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Suction		mm (in)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)

MODEL			Indoor	TCSV 40C3	TCSV 40C3	TCSV 50C3
			Outdoor	TASV 36C3	TASV 40C3	TASV 50C3
Cooling capacity (Min-Max)			Btu/hr	36,000 (9,200-39,000)	40,000 (9,200-41,000)	48,000 (12,000-54,000)
			kW	10.55 (2.70-11.43)	11.72 (2.70-12.02)	14.07 (3.52-15.83)
Power supply			V/Ph/Hz	220 - 240 / 1 / 50		
Power input			W	3,750	3,900	5,800
Rated current			A	16.5	6.0	8.5
Indoor unit	Air flow		CFM	1,100	1,100	1,150
	Sound level	H/M/L	dBA	55 / 46 / 46	55 / 46 / 46	55 / 46 / 45
	Dimension (WxDxH)	Unit	mm	840 x 840 x 245	840 x 840 x 245	840 x 840 x 245
		Panel	mm	950 x 950 x 55	950 x 950 x 55	950 x 950 x 55
	Weight	Unit	kg	25	25	28
		Panel	kg	6.5	6.5	6.5
Outdoor unit	Dimension (WxDxH)		mm	946 x 410 x 810	946 x 410 x 810	946 x 410 x 810
	Weight		kg	67	67	73
	Refrigerant		Type	R32		
	Capacity control		Type	EXV + Throttle Valve	Throttle Valve	
Refrigerant pipe	Liquid		mm (in)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Suction		mm (in)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)

All specifications are subject to change by manufacturer without prior notice.

Note : The nominal cooling capacity is based on outdoor air entering temp. 35°C (DB); indoor on coil temp. 27/19°C (DB / WB)

CEILING / FLOOR



TCFV 20C3 TCFV 25C3

TCFV 36C3 TCFV 40C3
TCFV 50C3 TCFV 60C3

- Slim, stylish with removable air filters grilles.
- Centrifugal fan to enhance strong air flow and air circulation.
- LED light indicator display panel & auto restart function.
- 4 way air distribution with auto air swing (Up & Down), (Left & Right).
- Evaporator coil with durable gold fin.
- Washable saran net air filter.

Standard Unit c/w Wireless Remote Controller
(Optional Wired Remote Controller)

Specification

MODEL			Indoor	TCFV 20C3	TCFV 25C3	TCFV 36C3	TCFV 36C3
			Outdoor	TASV 20C3	TASV 25C3	TASV 30C3	TASV 36C3
Cooling capacity (Min-Max)			Btu/hr	19,000 (9,250-20,000)	24,000 (10,990-26,500)	30,000 (7,600-32,000)	36,000 (9,300-39,000)
			kW	5.57 (2.71-5.86)	7.03 (2.55-7.77)	8.79 (2.23-9.38)	10.55 (2.73-11.43)
Power supply			V/Ph/Hz	220 - 240 / 1 / 50			
Power input			W	1,450	2,300	2,750	3,900
Rated current			A	6.0	10.5	12.0	17.0
Indoor unit	Air flow		CFM	570	750	1150	1150
	Sound level	H/M/L	dB(A)	44 / 41 / 37	51 / 47 / 43	52 / 48 / 45	52 / 48 / 45
	Dimension (WxDxH)		mm	1068 x 675 x 235	1068 x 675 x 235	1650 x 675 x 235	1650 x 675 x 235
	Weight		kg	28	28	42	42
Outdoor unit	Dimension (WxDxH)		mm	805 x 330 x 554	890 x 342 x 673	946 x 410 x 810	946 x 410 x 810
	Weight		kg	33	44	53	67
	Refrigerant		Type	R32			
	Capacity control		Type	EXV	EXV + Throttle Valve		
Refrigerant pipe	Liquid		mm (in)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Suction		mm (in)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)

MODEL			Indoor	TCFV 40C3	TCFV 50C3	TCFV 60C3
			Outdoor	TASV 40C3	TASV 50C3	TASV 60C3
Cooling capacity (Min-Max)			Btu/hr	40,000 (9,300-41,000)	48,000 (12,000-52,000)	55,000 (14,000-57,000)
			kW	11.72 (2.73-12.01)	14.07 (3.52-15.24)	16.12 (4.10-16.71)
Power supply			V/Ph/Hz	380-415 / 3 / 50		
Power input			W	3,900	5,000	5,650
Rated current			A	6	8.8	9.7
Indoor unit	Air flow		CFM	1,150	1,250	1,300
	Sound level	H/M/L	dB(A)	51 / 48 / 45	53 / 50 / 46	55 / 52 / 48
	Dimension (WxDxH)		mm	1,650 x 675 x 235	1,650 x 675 x 235	1,650 x 675 x 235
	Weight		kg	42	42	42
Outdoor unit	Dimension (WxDxH)		mm	946 x 410 x 810	946 x 410 x 810	952 x 410 x 1,333
	Weight		kg	67	73	107
	Refrigerant		Type	R32		
	Capacity control		Type	Throttle		EXV + Throttle Valve
Refrigerant pipe	Liquid		mm (in)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Suction		mm (in)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)

All specifications are subject to change by manufacturer without prior notice.

Note : The nominal cooling capacity is based on outdoor air entering temp. 35°C (DB); indoor on coil temp. 27/19°C (DB / WB)

Controller



Standard Wireless Remote Controller



Optional Wired Remote Controller



On/Off Power Button



Operating Mode

- 4 function mode [Auto, Cooling, Drying (Dehumidification) and Fan only]



Fan Speed Adjustment

- 4 fan speed mode [Auto, Low, Medium, High]



Turbo Jet Cooling

- Fast cooling and powerful air flow to rapidly reach your desired room temperature
- Applicable for cooling mode only



Temperature/Time Adjustment Setting

- Increase / decrease desired room temperature
- Increase / decrease desired time or timer



Automatic Swing

- Vertical auto up / down swing



Air Flow Direction

- Select your optimum airflow by selecting from a range of fixed / swing louver positions



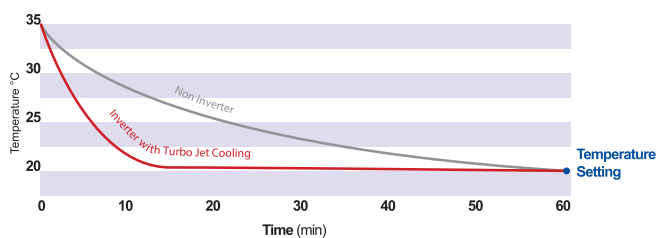
LED Display

- To activate/deactivate air conditioner LED room temperature setting digital display



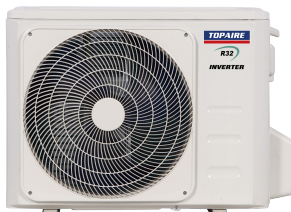
ECO GEAR

- Energy-Saving ECO-logic mode to maintain most comfortable temperature for you
- Applicable for cooling and auto mode only



Condensing Unit

Single Fan



TASV 13C3 TASV 20CS3
TASV 20C3 TASV 25CS3
TASV 25C3 TASV 40CS3
TASV 30C3 TASV 50CS3
TASV 36C3

Double Fan



TASV 60C3

Features

- Durable EG steel casing c/w epoxy powder coating.
- Seamless inner groove copper tube.
- High efficiency DC inverter rotary/scroll compressor.
- Large diameter propeller fan.
- Hydrophilic aluminium gold fin.



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