



Air Cooled Split

- CEILING CASSETTE
- CEILING / FLOOR
- DUCTED LOW STATIC
- DUCTED MEDIUM STATIC
- FLOOR STANDING FREE BLOW

**ANTI CORROSIVE
HYDROPHILIC FINNS**

COMPACT / FOUR WAY CASSETTE Series



Model: TCS 13 F - TCS 18 F



Model: TCS 20 F - TCS 50 F

FEATURES

- New 360° air distribution outlet panel with auto air swing (Up & Down).
- LED light indicator display panel & auto restart function.
- Aerodynamic turbo fan to enhance strong air flow and air circulation.
- Evaporator coil with anti corrosion Hydrophillic coated slit blue fin.
- Anti-mold & long lasting washable saran net air filter.



Standard Wireless Remote Controller



Optional Wired Remote Controller



Operating Mode
• 4 function mode [Auto, Cooling, Drying (Dehumidification) and Fan only]



On/Off Power By Manual or (Auto Restart)



Fan Speed Adjustment
• Fan speed mode [Auto, High, Med, Low]



LED Display
• LED room temperature setting digital display

Specifications

MODEL	INDOOR	TCS 13 F	TCS 13 F	TCS 18 F	TCS 20 F	TCS 20 F	TCS 25 F
	OUTDOOR	TAS 10 ER3	TAS 13 F	TAS 18 F	TAS 20 ER	TAS 22 ER	TAS 25 F
COOLING CAPACITY	BTU/HR	10,000	13,000	18,000	20,000	21,000	25,000
	KW	2.93	3.81	5.28	5.86	6.15	7.33
POWER SUPPLY	V / Ph / Hz	220 - 240 / 1 / 50					
RATED POWER INPUT	W	1,080	1,480	2,040	2,180	2,390	2,600
RATED CURRENT	A	4.8	7.2	9.50	10.20	10.60	12.70
AIR FLOW	CFM	380	380	550	600	600	760
SOUND PRESSURE LEVEL	dB(A)-H/M/L	40 / 38 / 35	40 / 38 / 35	44 / 41 / 38	42 / 39 / 36	42 / 39 / 36	42 / 39 / 36
REFRIGERANT	TYPE	R 22					
PIPE SIZE	LIQUID (MM/IN)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)
	SUCTION (MM/IN)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
UNIT DIMENSION	WIDTH (MM)	570	570	570	840	840	840
	DEPTH (MM)	570	570	570	840	840	840
	HEIGHT (MM)	260	260	260	240	240	240
DISCHARGE PANEL DIMENSION	WIDTH (MM)	650	650	650	950	950	950
	DEPTH (MM)	650	650	650	950	950	950
	HEIGHT (MM)	50	50	50	40	40	40
INSTALLATION OPENING HOLE	W X D (MM)	638 x 638	638 x 638	638 x 638	880 x 880	880 x 880	880 x 880
NET WEIGHT	KG	16	16	19	24	24	24

MODEL	INDOOR	TCS 30 F	TCS 30 F	TCS 40 F	TCS 40 F	TCS 50 F	
	OUTDOOR	TAS 28 ER	TAS 30 E	TAS 36 F	TAS 40 F	TAS 50 E	
COOLING CAPACITY	BTU/HR	28,000	30,000	36,000	40,000	50,000	
	KW	8.21	8.79	10.55	11.72	14.65	
POWER SUPPLY	V / Ph / Hz	220 - 240 / 1 / 50				380 - 415 / 3 / 50	
RATED POWER INPUT	W	3,090	2,940	4,100	4,240	5,080	
RATED CURRENT	A	14.33	13.80	19.80	8.60	11.20	
AIR FLOW	CFM	880	880	1050	1050	1050	
SOUND PRESSURE LEVEL	dB(A)-H/M/L	49 / 42 / 38	49 / 42 / 38	53 / 49 / 46	53 / 49 / 46	53 / 50 / 47	
REFRIGERANT	TYPE	R 22					
PIPE SIZE	LIQUID (MM/IN)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	
	SUCTION (MM/IN)	15.88 (5/8)	15.88 (5/8)	19.00 (3/4)	19.00 (3/4)	19.00 (3/4)	
UNIT DIMENSION	WIDTH (MM)	840	840	840	840	840	
	DEPTH (MM)	840	840	840	840	840	
	HEIGHT (MM)	310	310	310	310	310	
DISCHARGE PANEL DIMENSION	WIDTH (MM)	950	950	950	950	950	
	DEPTH (MM)	950	950	950	950	950	
	HEIGHT (MM)	40	40	40	40	40	
INSTALLATION OPENING HOLE	W X D (MM)	880 x 880	880 x 880	880 x 880	880 x 880	880 x 880	
NET WEIGHT	KG	24	24	30	30	30	

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

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

CEILING / FLOOR Series



Model: TCF 20 E - TCF 36 E



Model: TCF 40 E - TCF 60 E

FEATURES

- 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 anti corrosion Hydrophillic coated slit blue fin.
- Anti-mold & long lasting washable saran net air filter.



Standard Wireless Remote Controller



Optional Wired Remote Controller



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



- On/Off Power By Manual or (Auto Restart)**



- Fan Speed Adjustment**
- Fan speed mode [Auto, High, Med, Low]



- LED Display**
- LED room temperature setting digital display

Specifications

MODEL	INDOOR	TCF 20 E	TCF 20 E	TCF 20 E	TCF 25 E	TCF 30 E
	OUTDOOR	TAS 18 F	TAS 20 ER	TAS 22 ER	TAS 25 F	TAS 28 ER
COOLING CAPACITY	BTU/HR	18,000	20,000	21,000	25,000	28,000
	KW	5.28	5.86	6.15	7.33	8.21
POWER SUPPLY	V / Ph / Hz	220 - 240 / 1 / 50				
RATED POWER INPUT	W	2,050	2,200	2,400	2,620	3,100
RATED CURRENT	A	9.60	10.20	10.70	12.70	14.20
AIR FLOW	CFM	600	600	600	800	900
SOUND PRESSURE LEVEL	dB(A)-H/M/L	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 44	50 / 48 / 46
REFRIGERANT	TYPE	R22				
PIPE SIZE	LIQUID (MM/(IN))	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	SUCTION (MM/(IN))	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
UNIT DIMENSION	WIDTH (MM)	990	990	990	990	1285
	DEPTH (MM)	660	660	660	660	660
	HEIGHT (MM)	206	206	206	206	198
NET WEIGHT	KG	27	27	27	28	31

MODEL	INDOOR	TCF 30 E	TCF 36 E	TCF 40 E	TCF 50 E	TCF 60 E
	OUTDOOR	TAS 30 E	TAS 36 F	TAS 40 F	TAS 50 E	TAS 60 E
COOLING CAPACITY	BTU/HR	30,000	36,000	40,000	50,000	60,000
	KW	8.79	10.55	11.72	14.65	17.58
POWER SUPPLY	V / Ph / Hz	220 - 240 / 1 / 50			380 - 415 / 3 / 50	
RATED POWER INPUT	W	2,940	4,096	4,300	5,130	5,400
RATED CURRENT	A	13.90	19.80	8.80	11.50	10.80
AIR FLOW	CFM	900	1000	1200	1400	1500
SOUND PRESSURE LEVEL	dB(A)-H/M/L	50 / 48 / 46	52 / 50 / 47	54 / 51 / 48	54 / 51 / 48	54 / 51 / 48
REFRIGERANT	TYPE	R 22				
PIPE SIZE	LIQUID (MM/(IN))	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	SUCTION (MM/(IN))	15.88 (5/8)	19.00 (3/4)	19.00 (3/4)	19.00 (3/4)	19.00 (3/4)
UNIT DIMENSION	WIDTH (MM)	1285	1285	1670	1670	1670
	DEPTH (MM)	660	660	680	680	680
	HEIGHT (MM)	198	198	240	240	240
NET WEIGHT	KG	31	35	50	50	52

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

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

LOW STATIC PRESSURE DUCTED Series



**Model: TCR 13 F / TCR 18 F / TCR 20 F
TCR 25 F / TCR 30 F**



Standard Wireless Remote Controller



Operating Mode
• 4 function mode [Auto, Cooling, Drying (Dehumidification) and Fan only]



Fan Speed Adjustment
• Fan speed mode [Auto, High, Med, Low]



On/Off Power By Manual or (Auto Restart)



LED Display
• LED room temperature setting digital display



Optional Wired Remote Controller



Operating Mode
• 4 function mode [Auto, Cooling, Drying (Dehumidification) and Fan only]



Fan Speed Adjustment
• Fan speed mode [Auto, High, Med, Low]



On/Off Power By Manual or (Auto Restart)



LED Display
• LED room temperature setting digital display



- Built in High Head lift Up 250 mm Water Drain Pump.
- To Improve Drain Water Flow & Prevent Drain Pipe Clogging.

FEATURES

- Built in with high performance drain pump.
- Durable electro-galvanized steel casing.
- External static pressure operating range 0.2 ~ 0.35 inwg.
- LED light indicator display panel & auto restart function.
- Evaporator coil with anti corrosion Hydrophillic coated slit blue fin.

Specifications

MODEL	INDOOR	TCR 13 F	TCR 13 F	TCR 18 F	TCR 20 F	TCR 20 F	TCR 25 F	TCR 30 F	TCR 30 F
	OUTDOOR	TAS 10 ER3	TAS 13 F	TAS 18 F	TAS 20 ER	TAS 22 ER	TAS 25 F	TAS 28 ER	TAS 30 E
COOLING CAPACITY	BTU/HR	10,000	13,000	18,000	20,000	21,000	25,000	28,000	30,000
	KW	2.93	3.81	5.28	5.86	6.15	7.33	8.21	8.79
POWER SUPPLY	V / Ph / Hz	220 - 240 / 1 / 50							
RATED POWER INPUT	W	1,100	1,480	2,060	2,205	2,400	2,670	3,100	3,260
RATED CURRENT	A	5.0	6.5	9.6	10.2	10.7	12.8	14.2	15.2
AIR FLOW	CFM	400	400	700	700	700	850	950	950
EXTERNAL STATIC PRESSURE	INWG	0.2	0.3	0.3	0.3	0.3	0.3	0.35	0.35
SOUND PRESSURE LEVEL	dB(A)-H/M/L	37 / 35 / 33	37 / 35 / 33	46 / 42 / 34	46 / 42 / 34	46 / 42 / 34	46 / 42 / 34	49 / 39 / 36	49 / 39 / 36
REFRIGERANT	TYPE	R 22							
PIPE SIZE	LIQUID (MM)/(IN)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	SUCTION (MM)/(IN)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
UNIT DIMENSION	WIDTH (MM)	700	700	920	920	920	920	1140	1140
	DEPTH (MM)	635	635	635	635	635	635	775	775
	HEIGHT (MM)	210	210	210	210	210	270	270	270
NET WEIGHT	KG	20	20	24	24	24	28	41	41

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

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

MEDIUM STATIC PRESSURE DUCTED Series & FLOOR STANDING



Model: TEB 30 F / TEB 40 F



Model : TEB 50 F / TEB 60 F



Model: TEB 80 F / TEB 100 F

FEATURES

- Durable electro-galvanized steel casing.
- External static pressure operating range 0.4 ~ 0.65 inwg.
- LED light indicator display panel & auto restart function.
- Evaporator coil with anti corrosion Hydrophillic coated slit blue fin.
- Anti-mold & long lasting washable saran net air filter.



Standard Wireless Remote Controller



Optional Wired Remote Controller



Operating Mode

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



On/Off Power By Manual or (Auto Restart)



Fan Speed Adjustment

- Fan speed mode [Auto, High, Med, Low]



LED Display

- LED room temperature setting digital display



Specifications



LCD DISPLAY PANEL

Model: TFS 80 F / TFS 100 F

FEATURES

- Enhance strong air flow for better air circulation.
- LED light indicator display panel & auto restart function.
- Centrifugal fan to exchange strong air flow.
- Evaporator coil with anti corrosion Hydrophillic coated slit blue fin.
- Anti-mold & long lasting washable saran net air filter.

MODEL	INDOOR	TEB 30 F	TEB 30 F	TEB 30 F	TEB 40 F	TEB 40 F	TEB 50 F
	OUTDOOR	TAS 25 F	TAS 28 ER	TAS 30 E	TAS 36 F	TAS 40 F	TAS 50 E
COOLING CAPACITY	BTU/HR	25,000	28,000	30,000	36,000	40,000	50,000
	KW	7.33	8.21	8.79	10.55	11.72	14.65
POWER SUPPLY	V / Ph / Hz	220 - 240 / 1 / 50				380 - 415 / 3 / 50	
RATED POWER INPUT	KW	2.9	3.1	3.2	4.5	4.6	5.8
RATED CURRENT	A	13.80	14.50	14.90	21.30	10.10	13.80
AIR FLOW	CFM	1000	1000	1000	1200	1200	1600
EXTERNAL STATIC PRESSURE	INWG	0.4	0.4	0.4	0.6	0.6	0.65
SOUND PRESSURE LEVEL	dB(A)-H/M/L	49 / 47 / 45	49 / 47 / 45	49 / 47 / 45	54 / 52 / 48	54 / 52 / 48	54 / 52 / 48
REFRIGERANT	TYPE	R 22					
PIPE SIZE	LIQUID (MM/IN)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	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)	19.00 (3/4)	19.00 (3/4)	19.00 (3/4)
UNIT DIMENSION	WIDTH (MM)	856	856	856	856	856	1200
	DEPTH (MM)	690	690	690	690	690	690
	HEIGHT (MM)	400	400	400	400	400	400
NET WEIGHT	KG	41	41	41	47	47	65

MODEL	INDOOR	TEB 60 F	TEB 80 F	TEB 100 F	TFS 80 F	TFS 100 F
	OUTDOOR	TAS 60 E	TAS 80 F	TAS 100 F	TAS 80 F	TAS 100 F
COOLING CAPACITY	BTU/HR	60,000	80,000	100,000	80,000	100,000
	KW	17.58	23.45	29.31	23.45	29.31
POWER SUPPLY	V / Ph / Hz	380 - 415 / 3 / 50				
RATED POWER INPUT	KW	6.4	8.1	10.3	7.5	9.6
RATED CURRENT	A	13.72	25.38	29.98	17.98	21.38
AIR FLOW	CFM	1800	2500	3000	2500	2800
EXTERNAL STATIC PRESSURE	INWG	0.65	0.4	0.4	F.A.D	F.A.D
SOUND PRESSURE LEVEL	dB(A)-H/M/L	61 / 57 / 54	56 / 54 / 52	56 / 54 / 52	56 / 54 / 52	56 / 54 / 52
REFRIGERANT	TYPE	R 22				
PIPE SIZE	LIQUID (MM/IN)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)	12.7 (1/2)
	SUCTION (MM/IN)	19.00 (3/4)	22.00 (7/8)	28.6 (1 1/8)	22.00 (7/8)	28.6 (1 1/8)
UNIT DIMENSION	WIDTH (MM)	1200	1350	1350	1200	1200
	DEPTH (MM)	690	716	716	420	420
	HEIGHT (MM)	400	450	450	1860	1860
NET WEIGHT	KG	67	94	96	130	140

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

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

CONDENSING UNIT



FEATURES

- Condenser coil with anti-corrosion hydrophilic slit fin.
- Durable EG steel casing c/w epoxy powder coating.
- Proven high efficiency and reliable rotary/scroll Compressor.
- Complete with full refrigerant charge.

TAS 10 ER3~TAS 18 F

TAS 20 ER~TAS 25 F

TAS 28 ER

MODEL	OUTDOOR	TAS 10 ER3	TAS 13 F	TAS 18 F	TAS 20 ER	TAS 22 ER	TAS 25 F	TAS 28 ER
NOMINAL CAPACITY	BTU/HR	10,000	13,000	18,000	20,000	21,000	25,000	28,000
	KW	2.93	3.81	5.28	5.86	6.15	7.33	8.21
POWER SUPPLY	V / Ph / Hz	220 - 240 / 1 / 50						
NOMINAL TOTAL INPUT POWER	W	1,040	1,430	1,960	2,090	2,300	2,510	2,970
NOMINAL OPERATING CURRENT	A	4.6	6.8	9.18	10	10.23	12.20	13.83
COMPRESSOR	TYPE	ROTARY						
REFRIGERANT	TYPE	R 22						
	FLOW CONTROL	CAPILLARY TUBE AT OUTDOOR UNIT						
PIPE SIZE	LIQUID (MM/(IN))	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	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)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
UNIT DIMENSION	WIDTH (MM)	700	780	765	845	845	845	845
	DEPTH (MM)	240	250	280	335	335	335	335
	HEIGHT (MM)	540	540	595	695	695	695	695
NET WEIGHT	KG	25	31	35	45	45	48	48

Condensing Unit With Built In DOL Starter



FEATURES

- Built in D.O.L Starter.
- Built in PCB Controller.
(Applicable for 3PH power supply unit.)
- Condenser coil with anti-corrosion hydrophilic slit fin.
- Durable EG steel casing c/w epoxy powder coating.
- Proven high efficiency and reliable rotary/scroll Compressor.
- Complete with full refrigerant charge.

TAS 30 E / 36 F / 40 F / 50 E

TAS 60 E

TAS 80 F / TAS 100 F

MODEL	OUTDOOR	TAS 30 E	TAS 36 F	TAS 40 F	TAS 50 E	TAS 60 E	TAS 80 F	TAS 100 F
NOMINAL CAPACITY	BTU/HR	30,000	36,000	40,000	50,000	60,000	80,000	100,000
	KW	8.79	10.55	11.72	14.65	17.58	23.45	29.31
POWER SUPPLY	V / Ph / Hz	220 - 240 / 1 / 50			380 - 415 / 3 / 50			
NOMINAL TOTAL INPUT POWER	W	3,250	3,960	4,080	4,920	5,280	7,760	9,670
NOMINAL OPERATING CURRENT	A	13.50	19.20	8.00	9.20	9.62	14.80	18.3
COMPRESSOR	TYPE	SCROLL						
REFRIGERANT	TYPE	R 22						
	FLOW CONTROL	CAP TUBE AT OUTDOOR UNIT			ORIFICE AT INDOOR UNIT			
PIPE SIZE	LIQUID (MM/(IN))	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
	SUCTION (MM/(IN))	15.88 (5/8)	19.00 (3/4)	19.00 (3/4)	19.00 (3/4)	19.00 (3/4)	22.00 (7/8)	19.00 (1 1/8)
UNIT DIMENSION	WIDTH (MM)	895	895	990	990	900	1225	1225
	DEPTH (MM)	313	313	345	345	340	700	700
	HEIGHT (MM)	860	860	965	965	1170	908	908
NET WEIGHT	KG	62	74	81	88	93	174	177

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

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



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