



Air Cooled Condensing Unit

Shandong Vicot Air Conditioning Co., Ltd.

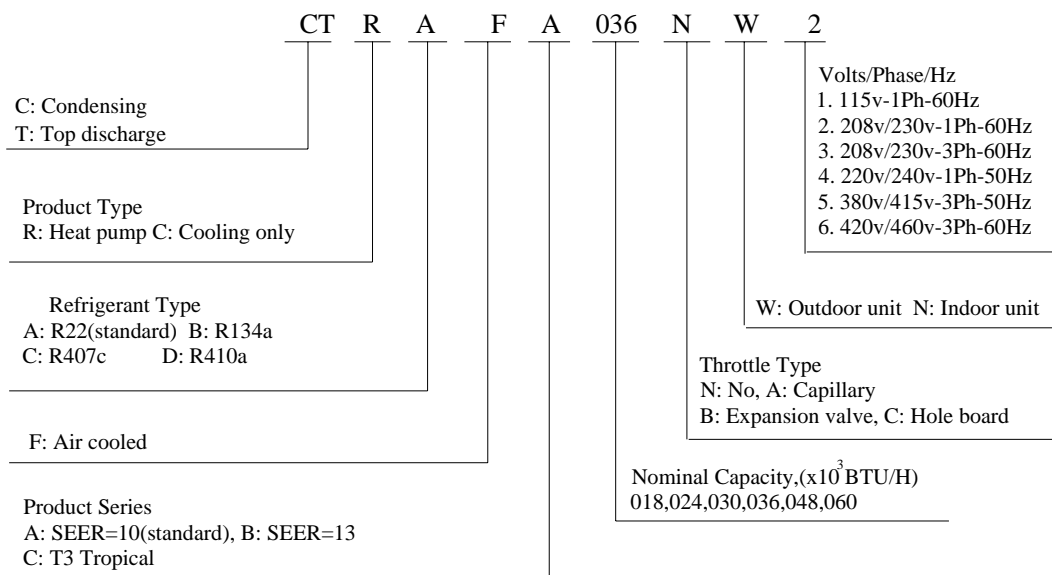
PERFORMANCE

- 10.00 SEER & 13.00 SEER Efficiency Range
- Cooling capacity from 1.5 to 5 tons
- T3 Tropical high efficiency Condensing units

FEATURES

- Super quiet top air discharge
- Sheet metal guard is standard. Optional nylon and grill guard is available
- Coils are constructed of copper tubing with protected aluminum fins for durability and long lasting efficient operation
- UL State-of-art compressor. Scroll compressors in 5 ton models
- Refrigerant connections with a single control panel cover make servicing trouble-free.
- Operating sounds are minimized through upward discharge air flow and innovative design
- Service-free permanently lubricated motor-bearings
- Service valves are standard on liquid and vapor sweat connections for ease of evacuating and recharging.

Nomenclature



Technical Data

MODEL NUMBER		CTF018NW2	CTF024NW2	CTF030NW2	CTF036NW2	CTF048NW2	CTF060NW2	CTF060NW3	
PERFORMANCE DATA									
RATED COOLING*	BTU/H	17,600	22,600	32,800	34,200	47,000	55,500	55,500	
SEER**	BTU/H-W	10	10	10	10	10	10	10	
VOLTS/HZ/PHASE	/	208-230/60/1						208-230/60/3	
VOLTAGE RANGE	/	197-253						187-253	
MAX. OVERCURRENT PROT.	A	15	20	25	25	35	40	20	
OPERATING CURRENT AMPS	A	11.1	14.2	19.8	19.8	27.8	34.9	14.8	
MIN. WIRE AMPACITY	A	10.1	12.9	18.2	18.2	25.8	31.8	13.4	
COMPRESSOR DATA									
TYPE	/	RECIPROCATING				SCROLL	SCROLL		
RLA	A	10.6	13.2	15.2	15.2	21.9	28.5	17.3	
LRA	A	40	52	89.4	89.4	130	157	121	
REFRIGERANT									
TYPE	/	R22							
FAN DATA									
DIAMETER	INCH-BLADE	20--3				23--2			
MOTOR TYPE	/	PSC							
HP(W)FLA	/	1/4 / 1.8				1/3 / 2.0			
RPM	/	1150	1150	1150	1150	1100	1100	1100	
CFM	/	1250	1650	2050	2400	4000	4000	4000	
OUTDOOR COIL									
TYPE		Aluminum Foil/ Inner Grooved Copper Tube							
FACE AREA	SQ.FT.	10	10	10	10	18.1	18.1	18.1	
TUBE O.D/F.P.I./ROWS	/	3/8 / 13 / 1	3/8 / 16 / 1	3/8 / 23 / 1			3/8 / 22 / 1		
REFRIGERANT LINE CONNECTIONS									
LIQUID LINE DIAMETER	INCH/mm	3/8 / ϕ 9.52							
SUCTION LINE DIAMETER	INCH/mm	5/8 / ϕ 15.88				3/4 / ϕ 19.05	7/8 / ϕ 22.2		
UNIT SIZE									
LENGTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30/768	30/768	30/768	
WIDTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30/768	30/768	30/768	
HEIGHT	INCH/mm	24/610	24/610	26/610	28-1/2/610	26/723	28-1/2/723	28-1/2/723	
WEIGHTS									
NET WEIGHT	LBS/Kg	106/48	116/53	124/56.5	124/56.5	182/83	194/88.5	194/88.5	
SHIPPING WEIGHT	LBS/Kg	112/51	123/56	126/57.5	126/57.5	187/85.2	206/94	206/94	

Notes:

*Outdoor working conditions: in cooling, temperature DB:35 °C (95F), WB:24 °C(75F) .

**Rated in accordance with ARI 210-89 and D.O.E. Test Standards.

***At 1meter open field

As part of our continuous product improvement, Vicot reserves the right to change specifications and design without prior notice.
This brochure does not constitute an offer for sale of any product.

Technical Data

MODEL NUMBER		CTF018NW4	CTF024NW4	CTF030NW4	CTF036NW4	CTF036NW5	CTF048NW5	CTF060NW5
PERFORMANCE DATA								
RATED COOLING*	BTU/H	18,000	22,400	28,000	34,000	34,000	46,000	55,500
SEER**	BTU/H-W	10	10	10	10	10	10	10
VOLTS/HZ/PHASE	/	220-240/50/1				380-415/50/3		
VOLTAGE RANGE	/	198-264				342-456		
MAX. OVERCURRENT PROT.	A	20	20	25	25	15	15	20
OPERATING CURRENT AMPS	A	11.4	12.1	14.6	15.4	6.6	9.1	10.9
MIN.WIRE AMPACITY	A	10.8	11.3	13.8	14.8	5.9	8.5	10.2
COMPRESSOR DATA								
TYPE	/	RECIPROCATING						
RLA	A	10.6	11.3	13.8	14.6	5.74	7.5	9.3
LRA	A	52	66	78	90	42	55	69
REFRIGERANT								
TYPE	/	R22						
FAN DATA								
DIAMETER	INCH-BLADE	20--3				23--3		
MOTOR TYPE	/	PSC						
HP(W)FLA	/	1/4 / 0.8				1/2 / 1.6		
RPM	/	920	920	920	960	960	960	960
CFM	/	1380	1380	2000	2850	2850	3150	3400
OUTDOOR COIL								
TYPE		Aluminum Foil/ Inner Grooved Copper Tube						
FACE AREA	SQ.FT.	14.3	14.3	15.6	16.4	23	24.9	24.9
TUBE O.D./F.P.I./ROWS	/	3/8 / 13 / 1	3/8 / 16 / 1	3/8 / 22 / 1				
REFRIGERANT LINE CONNECTIONS								
LIQUID LINE DIAMETER	INCH/mm	3/8 / ϕ 9.52						
SUCTION LINE DIAMETER	INCH/mm	5/8 / ϕ 15.88			3/4 / ϕ 19.05			
UNIT SIZE								
LENGTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30/768	30/768	30/768
WIDTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30/768	30/768	30/768
HEIGHT	INCH/mm	24/610	24/610	26/660	28-1/2/723	26/723	28-1/2/723	28-1/2/723
WEIGHTS								
NET WEIGHT	LBS/Kg	106/48	116/53	143/65.2	150/68.4	160/73	194/88.5	194/88.5
SHIPPING WEIGHT	LBS/Kg	112/51	123/56	150/68.4	166/75.7	172/78.5	206/94	206/94

Notes;

*Outdoor working conditions: in cooling, temperature DB:35 °C (95F), WB:24 °C.(75F)

**Rated in accordance with ARI 210-89 and D.O.E. Test Standards.

***At 1 meter open field

As part of our continuous product improvement, vicot reserves the right to change specifications and design without prior notice. This brochure does not constitute an offer for sale of any product.

Technical Data

MODEL NUMBER	CTFB018NW2	CTFB024NW2	CTFB030NW2	CTFB036NW2	CTFB042NW2	CTFB048NW2	CTFB060NW2	CTFB060NW	
3									
PERFORMANCE DATA									
RATED COOLING*	BTU/H	18500	23800	29500	36000	41000	46500	56500	56500
SEER**	BTU/H-W	13	13	13	13	13	13	13	13
VOLTS/HZ/PHASE	/	208-230/60/1							208-230/60/3
VOLTAGE RANGE	/	197-253							187-253
MAX. OVERCURRENT PROT.	A	15	20	25	25	30	30	35	30
OPERATING CURRENT AMPS	A	6.2	8.8	11.6	12.7	16.4	18.6	25.8	18.4
MIN.WIRE AMPACITY	A	5.8	8.1	11.2	12.3	15.8	17.4	23.8	16.8
COMPRESSOR DATA									
TYPE	/	RECIPROCATING						SCROLL	
RLA	A	5.4	8.0	10.7	11.8	15.4	17.5	25.0	17.3
LRA	A	36.0	53.5	61.0	78.0	86.0	102.0	150.0	123.0
REFRIGERANT									
TYPE	/	R22							
FAN DATA									
PSC									
DIAMETER	INCH-BLADE	20--3			23--3				
MOTOR TYPE	/	PSC							
HP(W)FLA	/	1/6 / 0.6			1/4 / 0.9				
RPM	/	810	810	810	810	810	850	850	850
CFM	/	1900	2000	3100	3300	3300	3650	3650	3650
OUTDOOR COIL									
TYPE		Aluminum Foil/ Inner Grooved Copper Tube							
FACE AREA	SQ.FT.	11	12.8	18.1	20.86	26.6	16.7	19.5	19.5
FIN/inches		18	18	18	18	18	18	18	18
REFRIGERANT LINE CONNECTIONS									
LIQUID LINE DIAMETER	INCH/mm	3/8 / ϕ 9.52							
SUCTION LINE DIAMETER	INCH/mm	3/4 / ϕ 19.05						7/8 / ϕ 22.22	
UNIT SIZE									
LENGTH	INCH/mm	22-1/2/574	22-1/2/574	30/768	30/768	30/768	30/768	30/768	30/768
WIDTH	INCH/mm	22-1/2/574	22-1/2/574	30/768	30/768	30/768	30/768	30/768	30/768
HEIGHT	INCH/mm	26/660	30/762	28/713	32/813	2/660	26/660	30/762	30/762
WEIGHTS									
NET WEIGHT	LBS/Kg	151/69	151/69	204/93	221/100.8	228/104	264/120.4	272/124	272/124
SHIPPING WEIGHT	LBS/Kg	158/72	158/72	212/96.5	231/105.3	243/110.8	280/127.7	286/130.5	286/130.5

Notes:

*Outdoor working conditions: in cooling, temperature DB:35 °C (95F), WB:24 °C.(75F)

**Rated in accordance with ARI 210-89 and D.O.E. Test Standards.

***At 1 meter open field

As part of our continuous product improvement, Vicot reserves the right to change specifications and design without prior notice. 4

Technical Data (T3 Tropical)

MODEL NUMBER		CTFC018NW4	CTFC024NW4	CTFC030NW4	CTFC036NW4	CTFC036NW5	CTFC048NW5	CTFC060NW5
PERFORMANCE DATA								
RATED COOLING*	BTU/H	18000	22500	28600	33800	36200	45000	57000
VOLTS/HZ/PHASE	/	220/240-1-50				380/415-3-50		
MAX. OVERCURRENT PROT.	A	20	20	25	30	15	20	25
OPERATING CURRENT AMPS	A	11.6	12.2	14.9	20.5	8.8	9.8	13.2
MIN.WIRE AMPACITY	A	11.2	11.6	13.8	18.6	8.2	8.4	12.1
COMPRESSOR DATA								
TYPE	/	RECIPROCATING						
RLA	A	10.6	11.3	13.8	18.5	6.5	7.5	10.6
LRA	A	52.0	66.0	76.0	85.0	46.0	52.5	70.0
REFRIGERANT								
TYPE	/	R22						
FAN DATA								
DIAMETER	INCH-BLADE	20--3				23--3		
MOTOR TYPE	/	PSC						
HP(W)FLA	/	1/4 / 0.8				1/2 / 1.6		
RPM	/	920	920	920	950	950	960	960
CFM	/	1380	1380	1800	2000	2000	3150	3400
OUTDOOR COIL								
TYPE		Aluminum Foil/ Inner Grooved Copper Tube						
FACE AREA	SQ.FT.	10.0	11.0	13.8	18.1	18.1	22.3	26.5
FIN/inches		14	14	14	14	14	14	14
REFRIGERANT LINE CONNECTIONS								
LIQUID LINE DIAMETER	INCH/mm	3/8 / ϕ 9.52						
SUCTION LINE DIAMETER	INCH/mm	5/8 / ϕ 15.88				3/4 / ϕ 19.05		
UNIT SIZE								
LENGTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30/768	30/768
WIDTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30/768	30/768
HEIGHT	INCH/mm	24-1/2/623	26-1/2/673	28-1/2/724	32-1/2/825	32-1/2/825	28-1/2/724	32-1/2/825
WEIGHTS								
NET WEIGHT	LBS/Kg	127/58	138/63	167/76	175/79.8	175/79.8	216/98.5	232/105.8
SHIPPING WEIGHT	LBS/Kg	135/61.5	148/67.5	181/82.5	186/84.8	186/84.8	228/104	241/110

Notes:

*Outdoor working conditions: in cooling, temperature DB:35 °C (95F), WB:24 °C(75F)

***At 1 meter open field

As part of our continuous product improvement, Vicot reserves the right to change specifications and design without prior notice.

This brochure does not constitute an offer for sale of any product

Technical Data (Heat Pump)

MODEL NUMBER		CTRF018AW2	CTRF024AW2	CTRF030AW2	CTRF036AW2	CTRF048AW2	CTRF060AW2	CTRF060AW3
PERFORMANCE DATA								
RATED COOLING*	BTU/H	17,600	22,600	28,600	34,500	47,000	55,500	55,500
RATED HEATING	BTU/H	21600	26800	33500	39600	54000	65000	65000
SEER**	BTU/H-W	10	10	10	10	10	10	10
VOLTS/HZ/PHASE	/	208-230/60/1						208-230/60/3
VOLTAGE RANGE	/	197-253						187-253
MAX. OVERCURRENT PROT.	A	15	20	25	25	35	40	20
OPERATING CURRENT AMPS	A	11.1	14.2	18	21.7	29.6	34.9	14.8
MIN.WIRE AMPACITY	A	10.1	12.9	16.4	19.7	26.9	31.8	13.4
COMPRESSOR DATA								
TYPE	/	RECIPROCATING					SCROLL	
RLA	A	10.6	13.2	17	16.5	18.5	28.5	17.3
LRA	A	40	52	66	76.5	185	157	121
REFRIGERANT								
TYPE	/	R22						
FAN DATA								
DIAMETER	INCH-BLADE	20--3				23--3		
MOTOR TYPE	/	PSC						
HP(W)FLA	/	1/4 / 0.9				1/2 / 1.8		
RPM	/	1150	1150	1150	1150	1100	1100	1100
CFM	/	1250	1650	2050	2400	3400	4000	4000
OUTDOOR COIL								
TYPE	/	Aluminum Foil/ Inner Grooved Copper Tube						
FACE AREA	SQ.FT.	10	10	11	11.9	16.7	18.1	18.1
TUBE O.D/F.P.I./ROWS	/	3/8 / 13 / 1	3/8 / 16 / 1	3/8 / 18 / 1				
REFRIGERANT LINE CONNECTIONS								
LIQUID LINE DIAMETER	INCH/mm	3/8 / ϕ 9.52						
SUCTION LINE DIAMETER	INCH/mm	5/8 / ϕ 15.88				3/4 / ϕ 19.05	7/8 / ϕ 22.22	
UNIT SIZE								
LENGTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30/768	30/768	30/768
WIDTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30 /768	30 /768	30 /768
HEIGHT	INCH/mm	24-1/2/623	26-1/2/673	28-1/2/724	32-1/2/825	32-1/2/825	28-1/2/724	32-1/2/825
WEIGHTS								
NET WEIGHT	LBS/Kg	136/62	142/64.8	156/71	169/77	185/84.3	218/99.4	218/99.4
SHIPPING WEIGHT	LBS/Kg	145/66	153/69.8	162/74	178/81	194/88.5	231/105.3	231/105.3
SOUND PRESSURE LEVEL***	DB(A)	64	72	72	72	74	76	76

Notes:

*Outdoor working conditions: in cooling, temperature DB:35℃ (95F), WB:24℃(75F);
in heating, temperature DB:7℃ (47F), WB:6℃(43F);

**Rated in accordance with ARI 210-89 and D.O.E. Test Standards.

***At 1 meter open field.

As part of our continuous product improvement, vicot reserves the right to change specifications and design without prior notice.
This brochure does not constitute an offer for sale of any product.

Technical Data (Heat Pump)

MODEL NUMBER		CTRF018AW4	CTRF024AW4	CTRF030AW4	CTRF036AW4	CTRF036AW5	CTRF048AW5	CTRF060AW5
PERFORMANCE DATA								
RATED COOLING*	BTU/H	17,600	22,600	28,600	34,500	34,500	47000	55,500
RATED HEATING	BTU/H	21600	26800	33500	38200	38200	53000	64000
SEER**	BTU/H-W	10	10	10	10	10	10	10
VOLTS/HZ/PHASE	/	220-240/50/1				380-415/50/3		
VOLTAGE RANGE	/	198-264				342-456		
MAX. OVERCURRENT PROT.	A	20	25	25	30	15	20	20
OPERATING CURRENT AMPS	A	11.5	14.4	14.9	19.4	7.4	11.4	12.4
MIN.WIRE AMPACITY	A	10.4	13.1	13.6	18.2	6.8	10.2	11.3
COMPRESSOR DATA								
TYPE	/	RECIPROCATING						
RLA	A	10.6	13.5	14.0	18.5	6.5	9.6	10.6
LRA	A	52	76	78	85	46	63	70
REFRIGERANT								
TYPE	/	R22						
FAN DATA								
DIAMETER	INCH-BLADE	20--3				23--3		
MOTOR TYPE	/	PSC						
HP(W)FLA	/	1/4 / 0.9				1/2 / 1.8		
RPM	/	920	920	920	950	950	960	960
CFM	/	1380	1380	1800	2000	2000	3150	3400
OUTDOOR COIL								
TYPE		Aluminum Foil/ Inner Grooved Copper Tube						
FACE AREA	SQ.FT.	10	10	11	11.9	16.7	18.1	18.1
TUBE O.D/F.P.I./ROWS	/	3/8 / 13 / 1	3/8 / 16 / 1	3/8 / 18 / 1				
REFRIGERANT LINE CONNECTIONS								
LIQUID LINE DIAMETER	INCH/mm	3/8 / ϕ 9.52						
SUCTION LINE DIAMETER	INCH/mm	5/8 / ϕ 15.88				3/4 / ϕ 19.05		
UNIT SIZE								
LENGTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30/768	30/768	30/768
WIDTH	INCH/mm	22-1/2/574	22-1/2/574	22-1/2/574	22-1/2/574	30 /768	30 /768	30 /768
HEIGHT	INCH/mm	24-1/2/623	26-1/2/673	28-1/2/724	32-1/2/825	32-1/2//825	28-1/2/724	32-1/2/825
WEIGHTS								
NET WEIGHT	LBS/Kg	136/62	142/64.8	156/71	169/77	185/84.3	218/99.4	218/99.4
SHIPPING WEIGHT	LBS/Kg	145/66	153/69.8	162/74	178/81	194/88.5	231/105.3	231/105.3
SOUND PRESSURE LEVEL***	DB(A)	64	72	72	72	74	76	76

Notes:

*Outdoor working conditions: in cooling, temperature DB:35℃ (95F), WB:24℃(75F);
in heating, temperature DB:7℃ (47F), WB:6℃(43F);

**Rated in accordance with ARI 210-89 and D.O.E. Test Standards.

***At 1 meter open field.

As part of our continuous product improvement, vicot reserves the right to change specifications and design without prior notice.