

TIP-36/CZP36CD(O)	36,000 BTU/H(208/230V)	Wall Mounted Heat Pump System
Location: _____	Approval: _____	
Engineer: _____	Date: _____	
Submitted to: _____	Construction: _____	
Submitted by: _____	Unit #: _____	
Reference: _____	Drawing #: _____	

Set Model
Indoor unit model TIP-36
Outdoor unit model CZP36CD(O)

Certified
AHRI 
CSA 



SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	30.0	
Max.fuse	(A)	45.0	
Connection wiring	14AWG*2	Stranded, shielded	
Cooling			
Rated Capacity	(Btu/h)	36000	
Capacity Range	(Btu/h)	12400~36000	
Power Input (Max)	(W)	4000	
Rated current	(A)	17.61	
SEER	(Btu/W)	18.2	
EER	(Btu/W)	9.0	
Heating at 47F			
Rated Capacity	(Btu/h)	38000	
Capacity Range	(Btu/h)	11200~38000	
Power Input (Max)	(W)	3700	
Rated current	(A)	16.93	
HSPF4	(Btu/W)	10.6	
HSPF5	(Btu/W)	8.5	
COP	W/W	3.01	
Heating at 17F			
Max Capacity	(Btu/h)	0	
REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/112.9	
Refrigerant precharge	(ft)	25.0	
	(m)	7.6	
Additional charge for each ft	(oz/ft)	0.32	
	(g/ft)	30	
Liquid side/ Gas side	(inch)	3/8" / 5/8"	
	(mm)	9.52/15.9	
Max. pipe length	(ft)	213.0	
	(m)	65.0	
Max. difference in level	(ft)	98.0	
	(m)	30.0	
Connection method		(Flared)	
Indoor(cooling/ heating)	(Deg. °F)	60~90 / 32~86	
	(Deg. °C)	16~32 / 0~30	
Outdoor(cooling/heating)	(Deg. °F)	5~122 / 5~75	
	(Deg. °C)	-15~-50 / -15~-24	
Application area	(sq.ft)	516.67~753.47	
	(m2)	48~70	

INDOOR UNIT DATA			
Indoor fan motor			
Type		Cross-Flow	
Model		ZKFN-125-8-1	
Qty		1	
Input	(W)	157.0	
RLA	(A)	-	
LRA	(A)	---	
Winding Resistance	(Ω)	---	
Capacitor	(uF)	---	
Speed(Hi/Mi/Lo)	(r/min)	760/632/568	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No c	(CFM)	947/853/753	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	52.5/50/46.5	
Dehumidification	(Pint/H)	---	
Indoor unit			
Dimension (WxDxH)	(inch)	32.68x32.68x9.65	
	(mm)	830x830x245	
Packing(WxDxH)	(inch)	35.83x35.83x11.42	
	(mm)	910x910x290	
Net/Gross weight	(lbs.)	59.97/69.00	
	(kg)	27.2/31.3	
OUTDOOR UNIT DATA			
Compressor			
Type		KTF310D43UMT	
Model		ROTARY	
Brand		GMCC	
Capacity	(Btu/h)	32380	
Input	(W)	2600	
Rated current (RLA)	(A)	-	
Refrigerant oil/oil charge	(ml)	INT01L-4639	
Throttle		Capillary +EXV	
Outdoor fan motor			
Model		ZKFN-120-8-2	
Qty		1	
Input	(W)	---	
RLA	(A)	---	
Speed	(r/min)	1050/900/850	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	2117.70	
Outdoor noise level	[dB(A)]	65	
Outdoor unit			
Dimension (W×D×H)	(inch)	37.24x16.14x31.89	
	(mm)	946x410x810	
Packing (W×D×H)	(inch)	42.91x19.69x34.84	
	(mm)	1090x500x885	
Net/ Gross weight	(lbs.)	155.42/166.23	
	(kg)	70.5/75.4	

Indoor unit dimension

The diagram illustrates the dimensions of the indoor unit from multiple perspectives: top, side, and front. Key components labeled include the external water pump, 4-in-1 install hanger, E-parts box, wiring connection port, liquid side, gas side, body, fresh air intake, and panel. Dimensions are provided in millimeters (mm) and inches (inch).

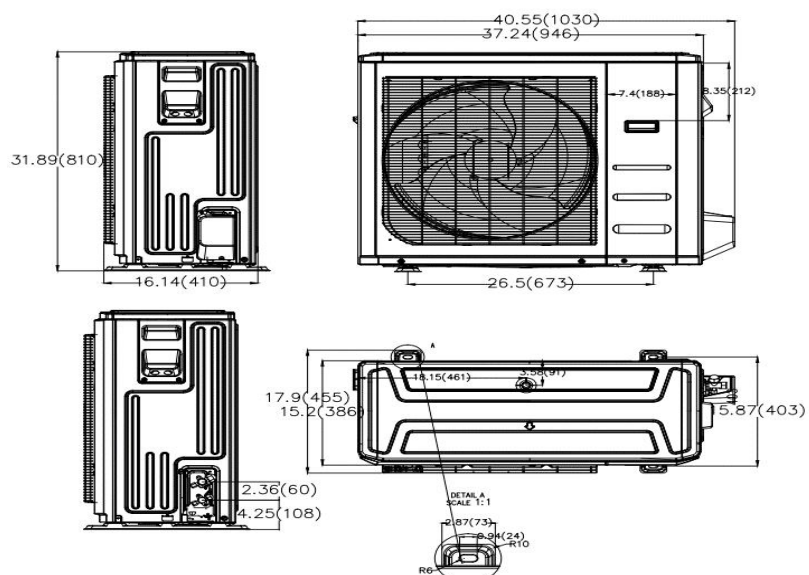
Capacity (Btu/h)	Unit	A	B	C	D
24K	mm	165	80	205	50
	inch	6.5	3.15	8.07	1.97
36K	mm	165	100	245	60
	inch	6.5	3.64	9.65	2.36
48K	mm	165	100	287	60
	inch	6.5	3.64	11.30	2.36

Outdoor unit dimension

The diagram illustrates the dimensions of the outdoor unit from multiple perspectives: front, side, and top. Key components labeled include the fan, condenser coils, and various mounting points. Dimensions are provided in millimeters (mm) and inches (inch). A detail view of the fan is also shown with a scale of 1:1.

[illegible]

Capacity (Btu/h)	Unit	A	B	C	D
24K	mm	165	80	205	50
	inch	6.5	3.15	8.07	1.97
36K	mm	165	100	245	60
	inch	6.5	3.64	9.65	2.36
48K	mm	165	100	287	60
	inch	6.5	3.64	11.30	2.36



General Features

Wireless Remote with LCD Display
Follow Me
Sleep
Timer
Self Clean
46F Heating
Silent

Extended Performance Data

TIP-48/CZP48CD(O)	48,000 BTU/H(208/230V)	Wall Mounted Heat Pump System
Location: _____	Approval: _____	
Engineer: _____	Date: _____	
Submitted to: _____	Construction: _____	
Submitted by: _____	Unit #: _____	
Reference: _____	Drawing #: _____	

Set Model
 Indoor unit model TIP-48
 Outdoor unit model CZP48CD(O)

Certified
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SYSTEM PERFORMANCE DATA			
Power supply			
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60	
Voltage Range	(V)	187-253	
Electrical			
Minimum circuit ampacity	(A)	36.5	
Max.fuse	(A)	50.0	
Connection wiring	14AWG*2	Stranded, shielded	
Cooling			
Rated Capacity	(Btu/h)	48000	
Capacity Range	(Btu/h)	16600~48000	
Power Input (Max)	(W)	5053	
Rated current	(A)	23.1	
SEER	(Btu/W)	17.8	
EER	(Btu/W)	9.5	
Heating at 47F			
Rated Capacity	(Btu/h)	50000	
Capacity Range	(Btu/h)	11850~52000	
Power Input (Max)	(W)	4727	
Rated current	(A)	21.6	
HSPF4	(Btu/W)	11.5	
HSPF5	(Btu/W)	8.8	
COP	W/W	3.10	
Heating at 17F			
Max Capacity	(Btu/h)	0	
REFRIGERANT PIPE DATA			
Design pressure	(PSIG)	550/340	
Refrigerant Type	(Oz)	R410A/158.7	
Refrigerant precharge	(ft)	25.0	
	(m)	7.6	
Additional charge for each ft	(oz/ft)	0.32	
	(g/ft)	30	
Liquid side/ Gas side	(inch)	3/8" / 5/8"	
	(mm)	9.52/15.9	
Max. pipe length	(ft)	213.0	
	(m)	65.0	
Max. difference in level	(ft)	98.0	
	(m)	30.0	
Connection method		(Flared)	
Indoor(cooling/ heating)	(Deg. °F)	60~90 / 32~86	
	(Deg. °C)	16~32 / 0~30	
Outdoor(cooling/heating)	(Deg. °F)	5~122 / 5~75	
	(Deg. °C)	-15~-50 / -15~-24	
Application area	(sq.ft)	688.89~1011.81	
	(m2)	64~94	

INDOOR UNIT DATA			
Indoor fan motor			
Type		Cross-Flow	
Model		ZKFN-125-8-1	
Qty		1	
Input	(W)	157.0	
RLA	(A)	-	
LRA	(A)	---	
Winding Resistance	(Ω)	---	
Capacitor	(uF)	---	
Speed(Hi/Mi/Lo)	(r/min)	800/660/590	
Air flow & Noise level			
Indoor air flow (Hi/Med/Lo) (No c	(CFM)	1171/1059/935	
Indoor noise level (Hi/Med/Lo)	[dB(A)]	55/53/50	
Dehumidification	(Pint/H)	---	
Indoor unit			
Dimension (WxDxH)	(inch)	32.68x32.68x11.30	
	(mm)	830x830x287	
Packing(WxDxH)	(inch)	35.83x35.83x12.99	
	(mm)	910x910x330	
Net/Gross weight	(lbs.)	64.59/74.07	
	(kg)	29.3/33.6	
OUTDOOR UNIT DATA			
Compressor			
Type		KTQ420D1UMU	
Model		ROTARY	
Brand		GMCC	
Capacity	(Btu/h)	44697	
Input	(W)	3420	
Rated current (RLA)	(A)	-	
Refrigerant oil/oil charge	(ml)	INT01L-4639	
Throttle		Capillary +EXV	
Outdoor fan motor			
Model		ZKFN-85-8-22	
Qty		2	
Input	(W)	---	
RLA	(A)	---	
Speed	(r/min)	900/850/800/750	
Air flow & Noise level			
Outdoor air flow (Max.)	(CFM)	4500.00	
Outdoor noise level	[dB(A)]	63.5	
Outdoor unit			
Dimension (W×D×H)	(inch)	37.48x16.34x52.48	
	(mm)	952x415x1333	
Packing (W×D×H)	(inch)	43.11x19.49x58.27	
	(mm)	1095x495x1480	
Net/ Gross weight	(lbs.)	219.14/249.12	
	(kg)	99.4/113	

Indoor unit dimension

The diagram illustrates the dimensions of the indoor unit. The top view shows a square unit with a central circular fan area. Key dimensions include a total width of 950 mm and a height of 950 mm. The front view shows a square panel with a central grille. The side view shows the unit's profile with a depth of 155 mm. A detailed view of the top panel shows the fan and motor assembly. A table below the diagram provides capacity and unit dimensions.

Capacity (Btu/h)	Unit	A	B	C	D
24K	mm	165	80	205	50
	inch	6.5	3.15	8.07	1.97
36K	mm	165	100	245	60
	inch	6.5	3.64	9.65	2.36
48K	mm	165	100	287	60
	inch	6.5	3.64	11.30	2.36

Outdoor unit dimension

The diagram illustrates the dimensions of the outdoor unit. The front view shows a rectangular unit with a large circular fan grille. Key dimensions include a total width of 952 mm and a height of 1333 mm. The side view shows the unit's profile with a depth of 404 mm. The top view shows the unit's base with a width of 634 mm and a height of 415 mm. A detailed view of the top panel shows the fan and motor assembly.

Outdoor unit dimension

Technical drawing of the outdoor unit showing three views: front, top, and side. The front view shows a vertical unit with a height of 1333 H. The top view shows a unit with a width of 952 W and a depth of 404 B. The side view shows a unit with a height of 1045 W1 and a width of 634 A. A detail view (DETAIL A) shows a cross-section of the unit with dimensions 53, 92, and 175.

1333 H

952 W

634 A

1045 W1

404 B

415 D

457 C

DETAIL A
SCALE 1:2

D1
92
R75
53

General Features

- Wireless Remote with LCD Display
- Follow Me
- Sleep
- Timer
- Self Clean
- 46F Heating
- Silent

Extended Performance Data