


SUBMITTAL DATA SHEET

ComfortStar®

TIP36/CHF36CD(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: TIP36
 Outdoor unit model: CHF36CD(O)

Certified
 AHRI 
 CSA 



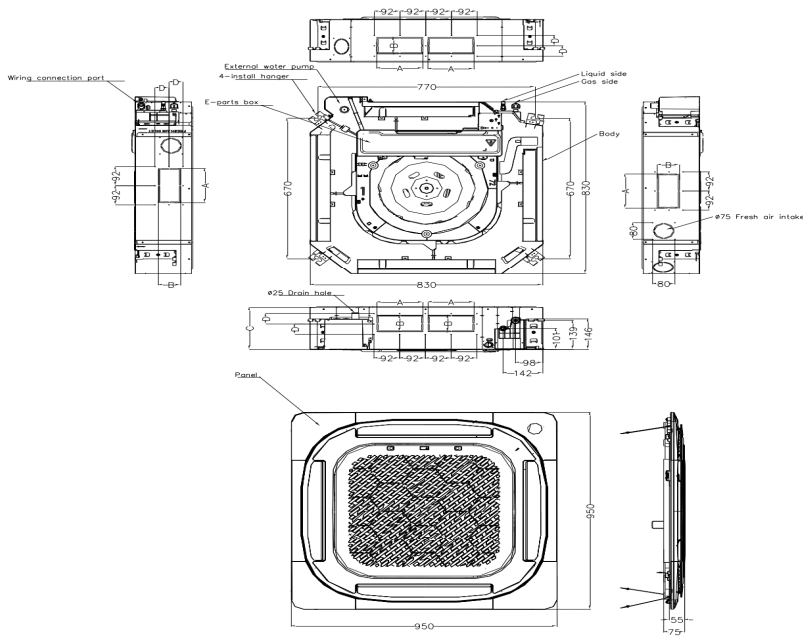
SYSTEM PERFORMANCE DATA		
Power supply		
Normal Operational Voltage	(V, Ph, Hz)	208/230, 1, 60
Voltage Range	(V)	187-253
Electrical		
Minimum circuit ampacity	(A)	41.0
Max.fuse	(A)	50.0
Connection wiring		14AWG*2 Stranded, shielded
Cooling		
Rated Capacity	(Btu/h)	36000
Capacity Range	(Btu/h)	13700~38000
Power Input (Max)	(W)	3790
Rated current	(A)	16.5
SEER2	(Btu/W)	19.40
EER2	(Btu/W)	9.50
Heating at 47F		
Rated Capacity	(Btu/h)	40000
Capacity Range	(Btu/h)	17600~47000
Power Input (Max)	(W)	3900
Rated current	(A)	17.5
HSPF2-4	(Btu/W)	10.50
HSPF2-5	(Btu/W)	8.50
COP	W/W	2.93

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 duct)	(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

REFRIGERANT PIPE DATA		
Design pressure	(PSIG)	550/340
Refrigerant Type	(Oz)	R410A/148
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)	-22~122 / -22~75
	(Deg. °C)	-30~50 / -30 ~ 24
Application area	(sq.ft)	516.67~753.47
	(m2)	48~70

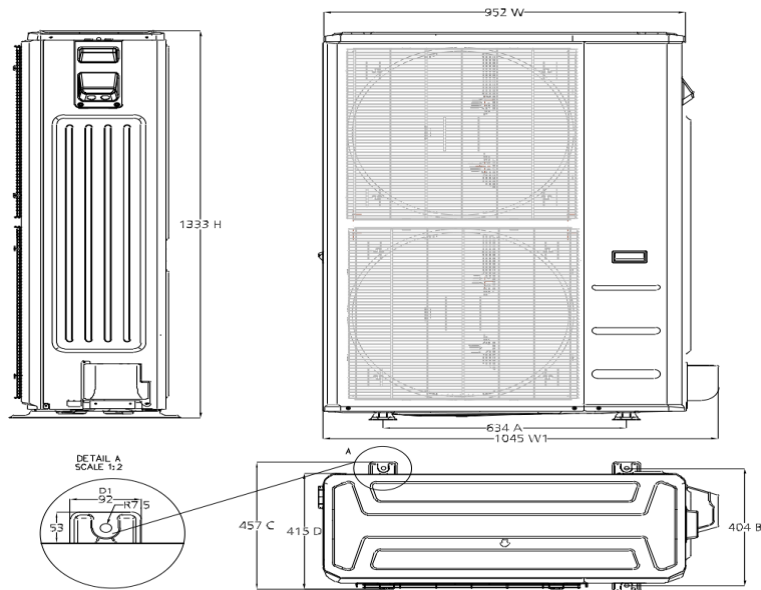
OUTDOOR UNIT DATA		
Compressor		
Type		EAPQ420D1UMUA
Model		ROTARY
Brand		GMCC
Capacity	(Btu/h)	44015
Input	(W)	3565
Rated current (RLA)	(A)	--
Refrigerant oil/oil charge	(ml)	INT01L-4639
Throttle		Capillary +EXV
Outdoor fan motor		
Model		ZKFN-85-8-22-5
Qty		2
Input	(W)	--
RLA	(A)	--
Speed	(r/min)	900/850/800/750
Air flow & Noise level		
Outdoor air flow (Max.)	(CFM)	4500.00
Outdoor noise level	[dB(A)]	63.0
Outdoor unit		
Dimension (WxDxH)	(inch)	37.48x16.34x52.48
	(mm)	952x415x1333
Packing (WxDxH)	(inch)	43.11x19.49x58.27
	(mm)	1095x495x1480
Net/ Gross weight	(lbs.)	220.24/248.02
	(kg)	99.9/112.5

Indoor unit dimension



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



General Features

Wireless Remote with LCD Display

Follow Me

Sleep

Timer

Self Clean

46F Heating

Silent

Extended Performance Data