ComfortStar®

SUBMITTAL DATA SHEET

Model Number: CSV48-32(29X)

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

SPECIFICATION		
Compressor Type		DC Inverter Twin-rotary
Compressor Model		KTF400D64UMTA
Refrigerant		R32
Refrigerant Charge(kg/oz)		2.85(100.5)
Refrigerant Oil		VG74
Refrigerant Oil Charge(mL)		1000
Outdoor Fan Motor Model		DQ-DRN-310-200-8-A
Outdoor Air Flow (CFM)		4300.0
Indoor Fan Motor Model		YKS-400-6-6
Indoor Air Flow (CFM)		1400
Noise level		75
Dimension (W×D×H)	**mm**	1310×1138×1306
	inch	51-9/16×44-13/16×51-7/16
Package (W×D×H)	**mm**	1328×1154×1312
	inch	52-9/32×45-7/16×51-21/32
Net/Gross Weight	**lbs**	507/525
Loading quantity 40'HQ(set)		36

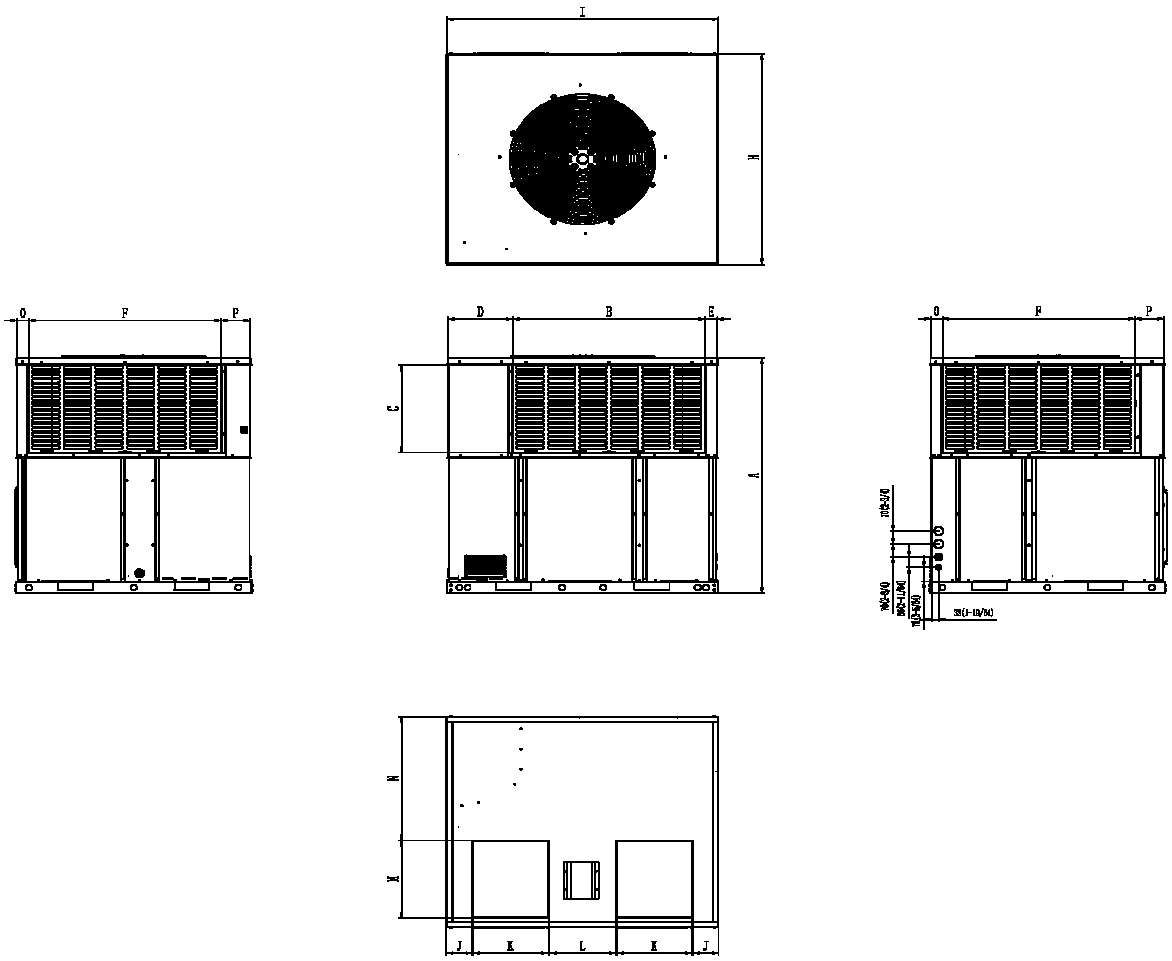
EFFICIENCY			
Cooling		**Heating**	
SEER2	14.6	**HSPF2**	8.2
EER2	9.3	**COP**	10.60

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	48000
Standard Operating Range(°F/°C)	23～125(-5～52)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

Heating (Btu/hr)	
Rated Capacity	48000
1. @ 17°F Rated	36000
2. @ 5°F Rated: Capacity / COP	34600(1.82)
Standard Operating Range(°F/°C)	-4～86(-20～30)
Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47℉ DB/43℉ WB
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 5℉ DB/5℉ WB

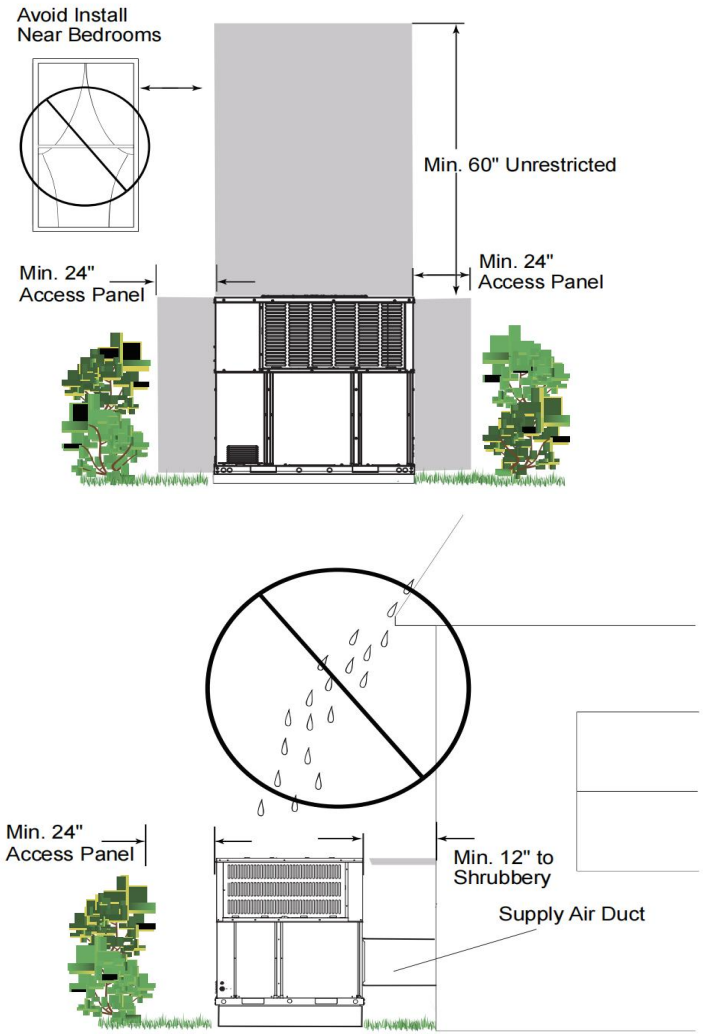
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
MCA	34.33
MAX.FUSE	50
Communication Wiring	8AWG*3
Compressor RLA	23
Outdoor Fan Motor W	200
Outdoor Fan Motor RLA	2.3
Indoor Fan Motor RLA	3.48
Indoor Fan Motor W	400
System Power Input @ Cooling (W)	5160
System Power Input @ Heating (W)	4530
MCA: Min. circuit amps (A)	
RLA: Rated load amps (A)	
W: Fan motor rated output (W)	

Indoor Unit Dimension

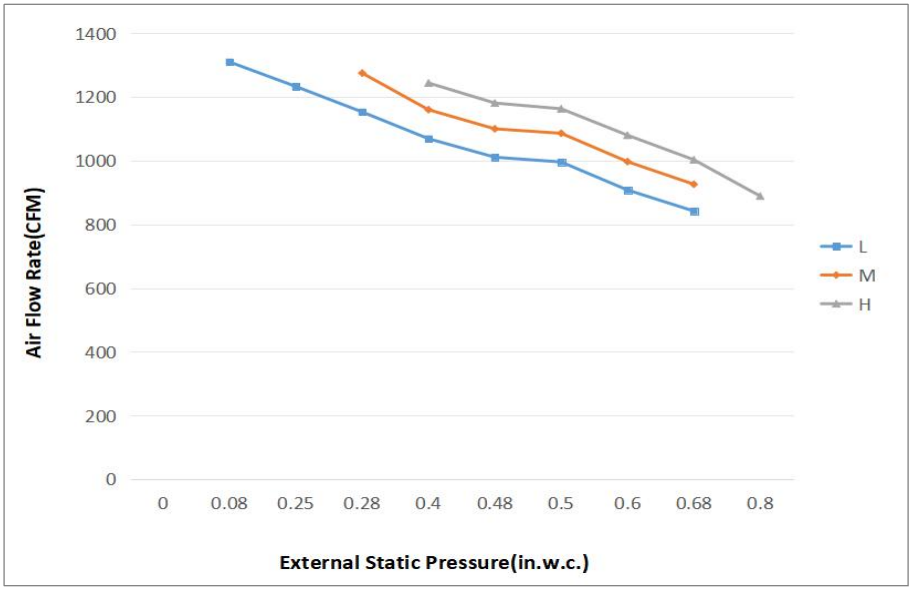


Dimensions \ Model		24K/36K		48K/60K	
		inch	mm	inch	mm
A	Model Height	46-47/64	1187	50-3/64	1271
B	Outdoor Coil Return Air Opening Width	35-3/4	906	36-17/32	928
C	Outdoor Coil Return Air Opening Height	15-7/16	392	15-7/16	392
D	Outdoor Coil Return Air Opening Side Clearance 1	12-9/16	319	12-9/16	319
E	Outdoor Coil Return Air Opening Side Clearance 2	2-31/64	63	2-51/64	71
F	Outdoor Coil Side Return Air Opening Width	24-23/32	628	36-17/32	928
II	Model Depth	35 3/64	890	44 51/64	1138
I	Model Width	50-45/64	1288	51-37/64	1310
J	Indoor Coil Return Air Opening Side Clearance	3-5/64	78	4-7/8	124
K	Indoor Coil Return? Air Opening Width	9-49/64	248	14-3/8	365
L	Indoor Coil Return Air Opening Both Clearance	21-13/16	554	12-23/32	323
M	Indoor Coil Return Air Opening Height	16-27/64	417	16-27/64	417
N	Indoor Coil Return Air Opening Top Clearance	16-11/32	415	26-11/32	669
O	Outdoor Coil Return Air Opening Back Clearance	2-33/64	64	2-31/64	63
P	Outdoor Coil Return Air Opening Front Clearance	7-51/64	198	5-25/32	147

Installation Instruction For Outdoor Unit



Fan Performance For Indoor Unit



Features

- DC inverter compressor
- R32 Refrigerant, environment friendly
- Refrigerant cooling PCB, high reliablity
- Horizontal or downflow application
- Static pressure up to 0.80 In.W.G
- Optional Auxiliary heat kit up to 15kW
- Easy Maintenance
- Multiple control options available:
  - Wired controller
  - Wired controller with built-in WiFi
  - Third-Party 24V Thermostat
- Crankcase heater equipped as standard