

Air Handler Heat Pump System

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:


SPECIFICATION

Compressor Type	DC Inverter Rotary
Compressor Model	KTN210D60UMT3
Refrigerant	R32
Refrigerant Charge(kg/oz)	1.8(63.5)
Refrigerant Oil	VG74
Refrigerant Oil Charge(mL)	630
Outdoor Fan Motor Model	DQ-DRN-310-200-8-A
Outdoor Air Flow (CFM)	3200.0
Indoor Fan Motor Model	YKS-400-6-6
Indoor Air Flow (CFM)	1060
Noise level	76
Dimension (W×D×H)	mm 1288×890×1190
	inch 50-45/64×35-3/64×46-27/32
Package (W×D×H)	mm 1306×906×1228
	inch 51-27/64×35-43/64×48-11/32
Net/Gross Weight	lbs 390/404
Loading quantity 40'HQ(set)	44

EFFICIENCY

Cooling		Heating	
SEER2	13.8	HSPF2	7.1
EER2	8.2	COP	10.30

PERFORMANCE of Cooling
Cooling (Btu/hr)

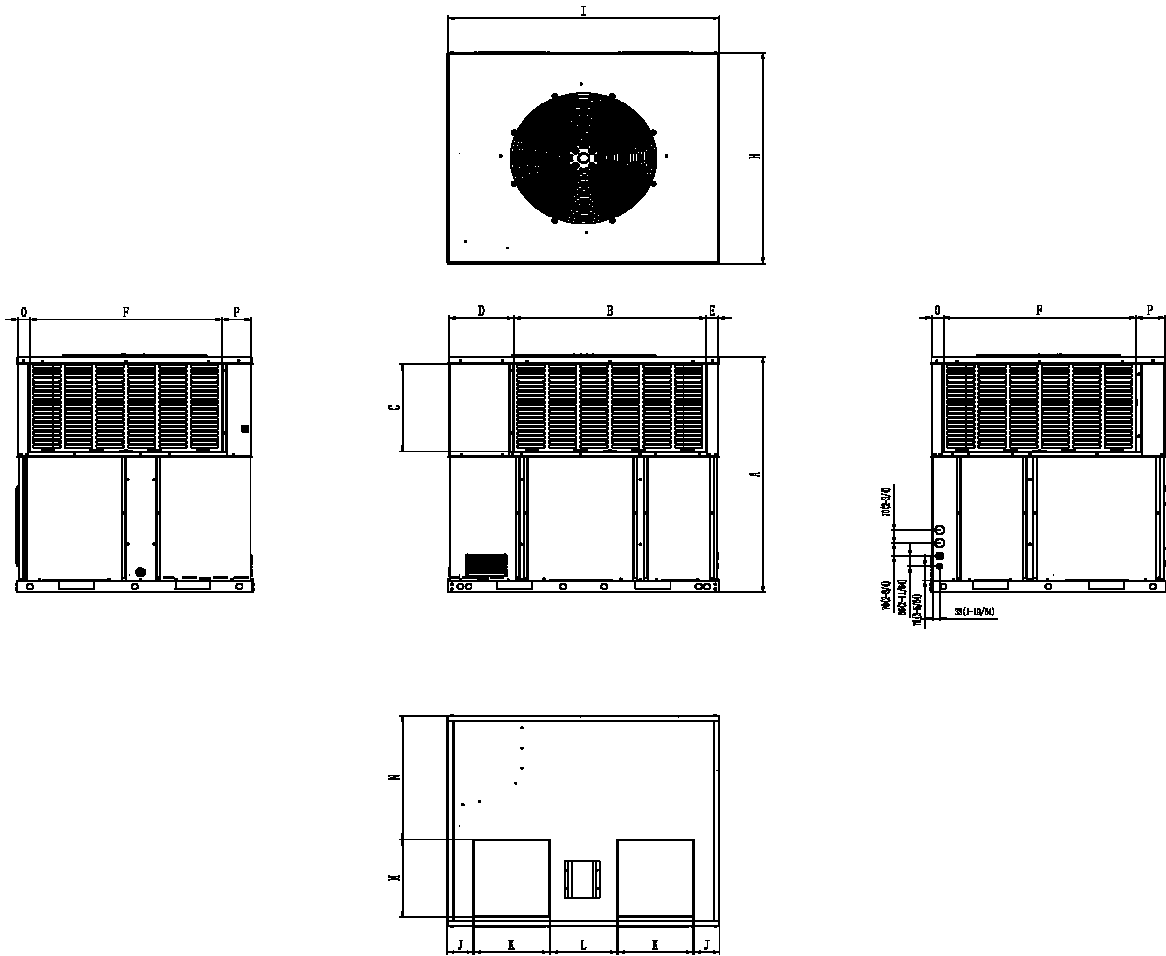
Rated Capacity	34600
Standard Operating Range(*F/*C)	23~125(-5~52)
Rated Cooling Conditions:	
Indoor: 80°F DB/67°F WB	
Outdoor: 95°F DB/75°F WB	

Heating (Btu/hr)

Rated Capacity	36000
1. @ 17°F Rated	19600
2. @ 5°F Rated: Capacity / COP	18600(1.58)
Standard Operating Range(*F/*C)	-4~86(-20~30)
Rated Heating Conditions:	
Indoor: 70°F DB/60°F WB	
Outdoor: 47°F DB/43°F 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°F DB/5°F WB	

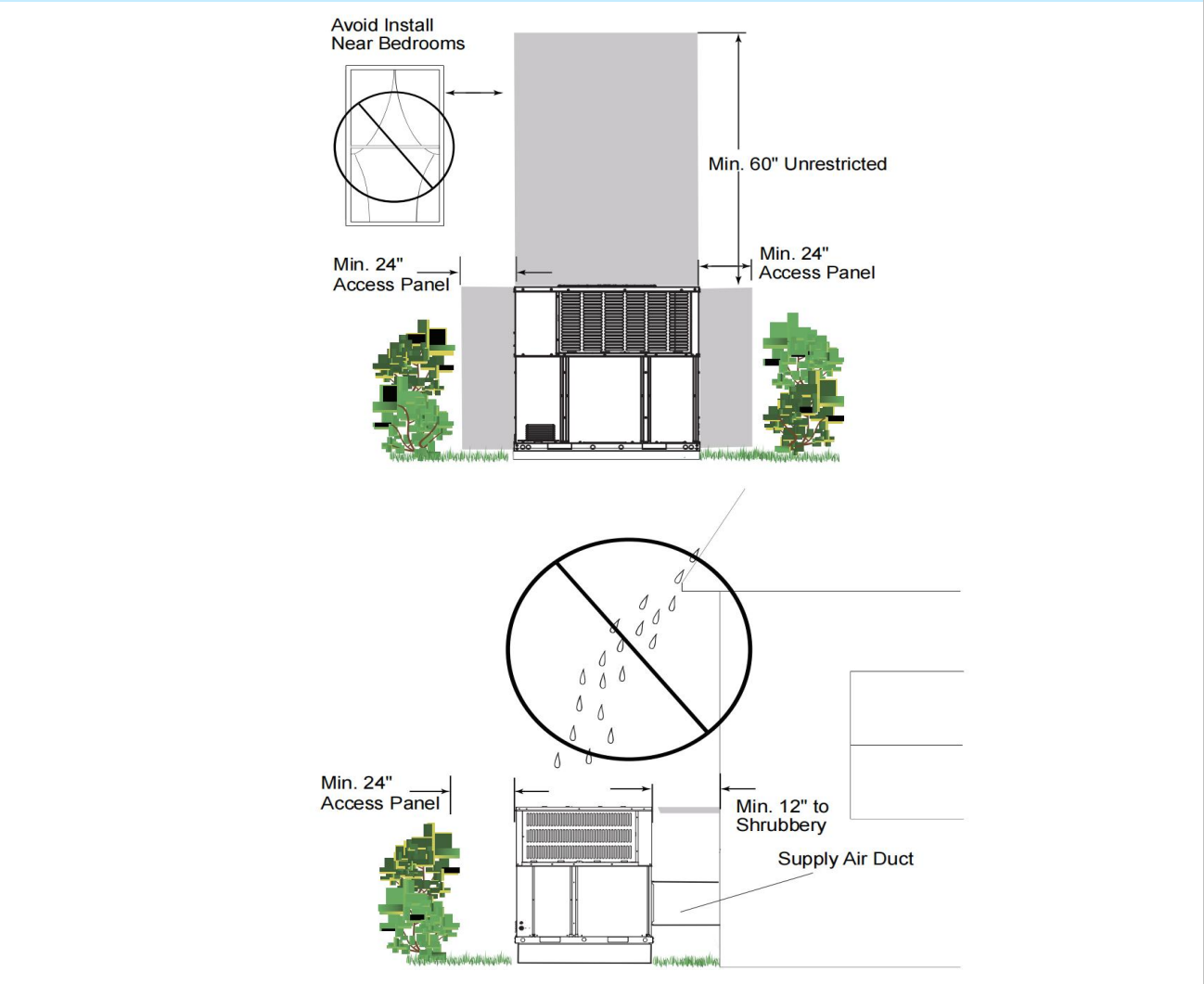
ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
MCA	29.33
MAX.FUSE	45
Communication Wiring	10AWG*3
Compressor RLA	19
Outdoor Fan Motor W	200
Outdoor Fan Motor RLA	2.1
Indoor Fan Motor RLA	3.48
Indoor Fan Motor W	400
System Power Input @ Cooling (W)	4210
System Power Input @ Heating (W)	3495
MCA: Min. circuit amps (A)	
RLA: Rated load amps (A)	
W: Fan motor rated output (W)	

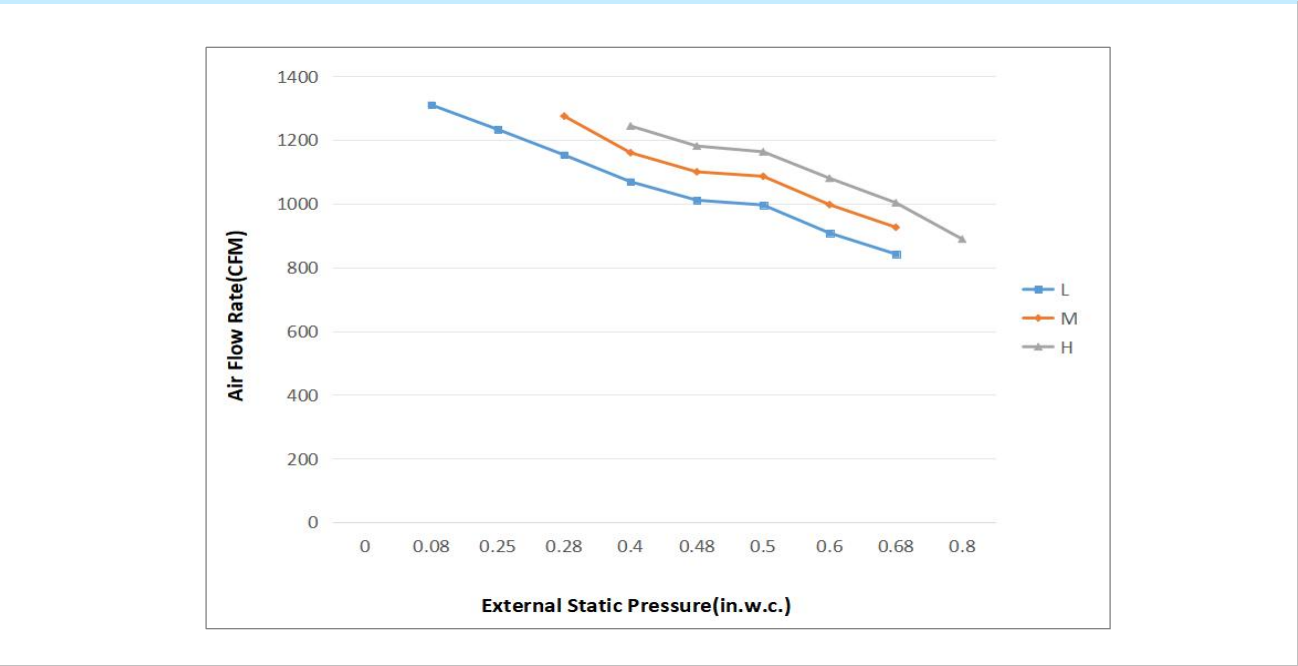


Model Dimensions		24K/36K		48K/60K	
		inch	mm	inch	mm
A	Model Height	46-47/64	1187	50-3/64	1271
B	Outdoor Coil Return Air Opening Width	35-3/4	906	36-17/32	928
C	Outdoor Coil Return Air Opening Height	15-7/16	392	15-7/16	392
D	Outdoor Coil Return Air Opening Side Clearance 1	12-9/16	319	12-9/16	319
E	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
H	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 reliability
- 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

