EZ CENTRAL SERIES

Submittal Data Sheet

NG TRADE

EZCENI36K & EZCENO36K

Central System Heat Pump

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

INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		1188.97 / 1083.02 / 971.19 / 865.24 / 865.24
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		48/48/45/28/28
Dimension (W×D×H)	inch	21.02 x 21.02 x 49.02
	mm	534.0×534.0×1245.0
Package (W×D×H)	inch	26.57 x 24.41 x 52.56
	mm	675×620×1335
Net/Gross Weight	lbs	129.41/153.88
	kg	58.7/69.8

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTF310D43UMT
Refrigerant		R-454B
Refrigerant Oil Charge(mL)		1000
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2413.2
Outdoor Noise Level (dBA)		63
Dimension (W×D×H)	inch	37.24 x 16.14 x 31.89
	mm	946.0×410.0×810.0
Package (W×D×H)	inch	42.91 x 19.68 x 34.84
	mm	1090×500×885
Net/Gross Weight	lbs	153.22/163.58
	kg	69.5/74.2

EFFICIENCY			
Cooling		Heating	
SEER2	16.1	HSPF2-4	8.7
EER2	10	COP	3.4

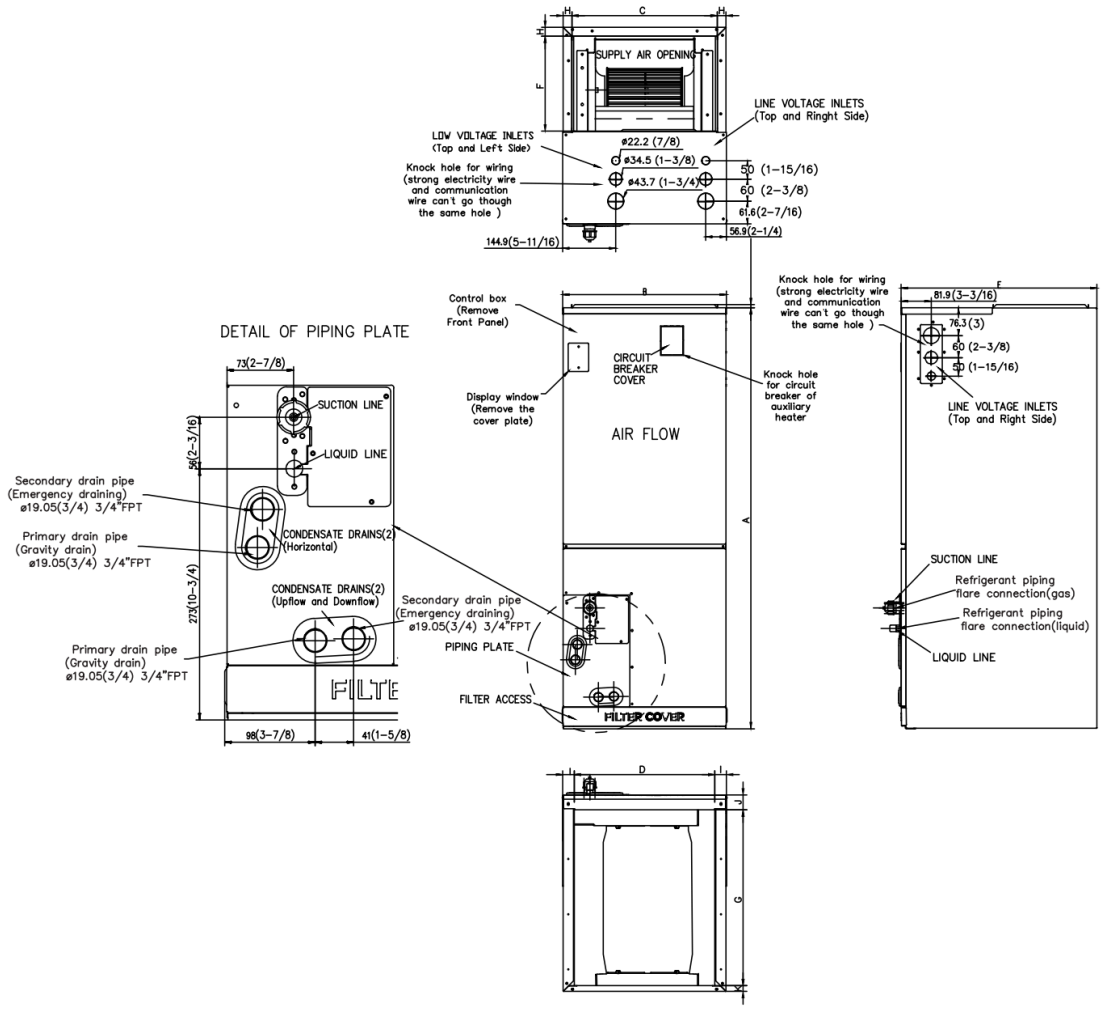
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	36000
Min/Max Capacity	8300~38900
Moisture Removal(L/h)	3.62
Standard Operating Range(°F/°C)	-13~122(-25~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	36000
2. @ 47°F Min/Max Capacity	6700~41300
3. @ 17°F Rated	25600
4. @ 5°F Rated: Capacity / COP	27000/2
5. @ 5°F Max: Capacity	27000
Standard Operating Range(°F/°C)	-13~75(-25~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB
	Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Indoor Power Supply	115/208/230V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	8.0/6.0
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	24
Outdoor MOP	30
Communication Wiring	AWG 20-2
Compressor RLA	17.5
Outdoor Fan Motor RLA	1.5
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	4.5
Indoor Fan Motor W	375
System Power Input @ Cooling (W)	3600(710 ~ 4500)
System Power Input @ Heating (W)	3100(460 ~3550)
MCA: Min. circuit amps (A)	**MOCP:** Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

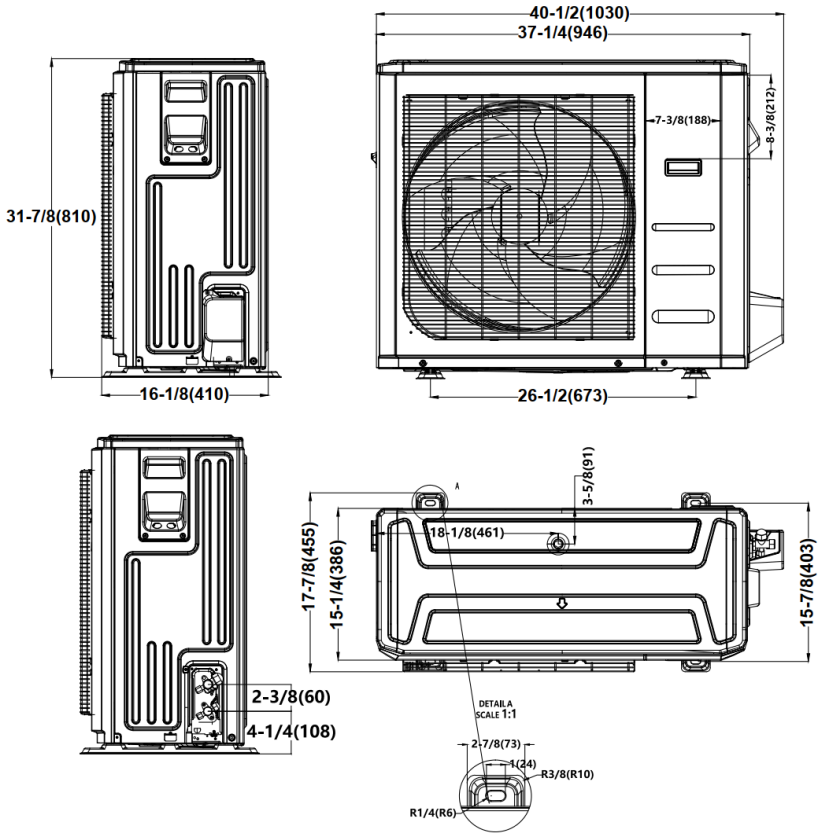
PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246(75)
Max. Height Difference(ft/m)	98.4(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	116.4(3.3)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.7(65)
Connection Method	Flared

Indoor Unit Dimension

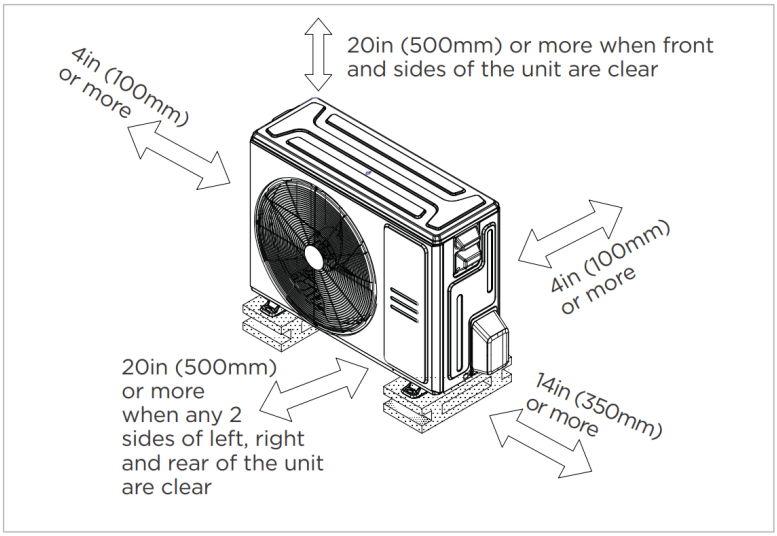


Dimensions		Model	18k/24k		30k/36k		48k/60k	
			inch	mm	inch	mm	inch	mm
A	Model Height		45	1143	**49**	**1245**	53	1346
B	Model Width		17-1/2	445	**21**	**534**	24-1/2	622
C	Supply Air Opening Width		15-5/8	397	**19-1/8**	**486**	22-5/8	575
D	Return Air Opening Width		15-1/8	384	**18-5/8**	**473**	22-1/8	562
E	Model Depth		21	534	**21**	**534**	21	534
F	Supply Air Opening Depth		10-1/4	260	**10-1/4**	**260**	10-1/4	260
G	Return Air Opening Depth		18-3/4	476	**18-3/4**	**476**	18-3/4	476
H	Supply Air Opening Clearance		15/16	24	**15/16**	**24**	15/16	24
I	Return Air Opening Side Clearance		1-1/4	32	**1-1/4**	**32**	1-1/8	28
J	Return Air Opening Front Clearance		1-1/2	38	**1-5/8**	**41**	1-5/8	41
K	Return Air Opening Back Clearance		5/8	16	**5/8**	**16**	3/4	19

Outdoor Unit Dimension

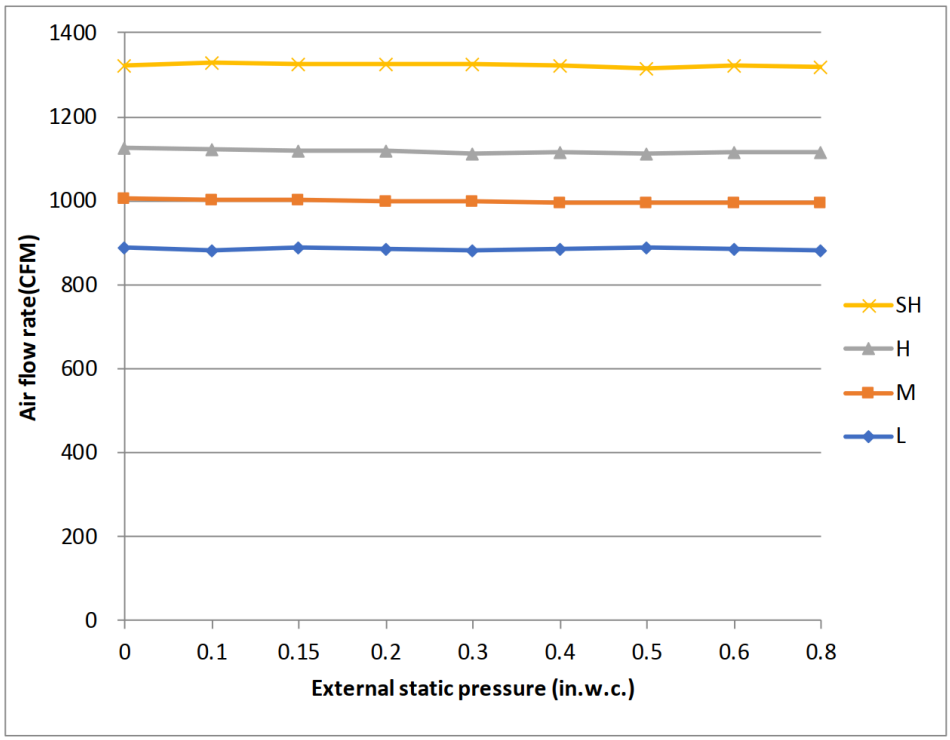


Installation Instruction For Outdoor Unit



☑ Meets all spatial requirements shown in Installation Clearance Requirements above.

Fan Performance For Indoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation and boosts efficiency(optional)
- Optional Auxiliary heat kit up to 25kW
- Easy Maintenance
- Multiple control options available:
  - Two way communication wired controller:120N(X6)
  - Two way communication wired controller with built-in WiFi:120N(X6W)
  - Wireless remote controller
  - Third-Party 24V Thermostat
- Adaptive Control System
- Chassis heater and crankcase heater equipped as standard