EZ CENTRAL SERIES

Submittal Data Sheet

NG TRADE

EZCENI60K & EZCENO60K

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)		1807.00 / 1583.33 / 1359.67 / 1136.00 / 1136.00
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		56.0/52.0/49.0/34.5/34.5
Dimension (W×D×H)	inch	24.49 x 21.02 x 52.99
	mm	622.0×534.0×1346.0
Package (W×D×H)	inch	27.95 x 26.77 x 56.50
	mm	710×680×1435
Net/Gross Weight	lbs	162.92/190.92
	kg	73.9/86.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		MTH550UKPC8FU
Refrigerant		R-454B
Refrigerant Oil Charge(mL)		1800
Refrigerant Oil		HAF68D1C
Outdoor Air Flow (Max) (CFM)		3037.1
Outdoor Noise Level (dBA)		65
Dimension (W×D×H)	inch	38.58 x 16.34 x 38.39
	mm	980.0×415.0×975.0
Package (W×D×H)	inch	45.08 x 19.68 x 42.52
	mm	1145×500×1080
Net/Gross Weight	lbs	192.90/224.21
	kg	87.5/101.7

EFFICIENCY			
Cooling		Heating	
SEER2	15.2	HSPF2-4	8.4
EER2	8.6	COP	3.37

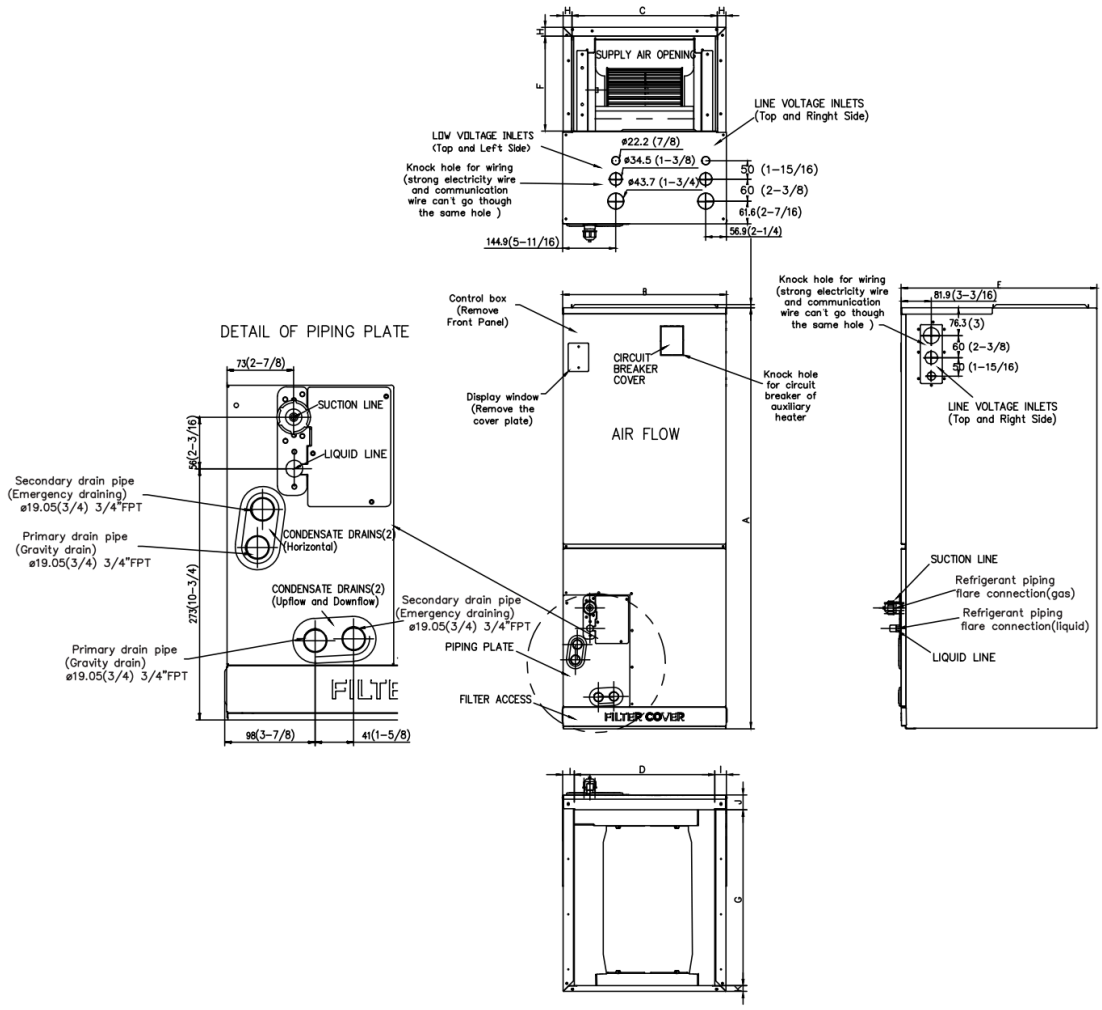
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	54000
Min/Max Capacity	21000~55000
Moisture Removal(L/h)	5.82
Standard Operating Range(°F/°C)	-13~122(-25~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	54000
2. @ 47°F Min/Max Capacity	26000~55000
3. @ 17°F Rated	33000
4. @ 5°F Rated: Capacity / COP	38000/1.8
5. @ 5°F Max: Capacity	38000
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)	14.5/11.0
Indoor MOP	15
Outdoor Power Supply	208/230V,60Hz,1Ph
Outdoor MCA	39
Outdoor MOP	40
Communication Wiring	AWG 20-2
Compressor RLA	30
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	250
Indoor Fan Motor RLA	8.3
Indoor Fan Motor W	750
System Power Input @ Cooling (W)	6200(1800 ~ 6410)
System Power Input @ Heating (W)	4650(975 ~4810)
MCA: Min. circuit amps (A)	**MOCP:** Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

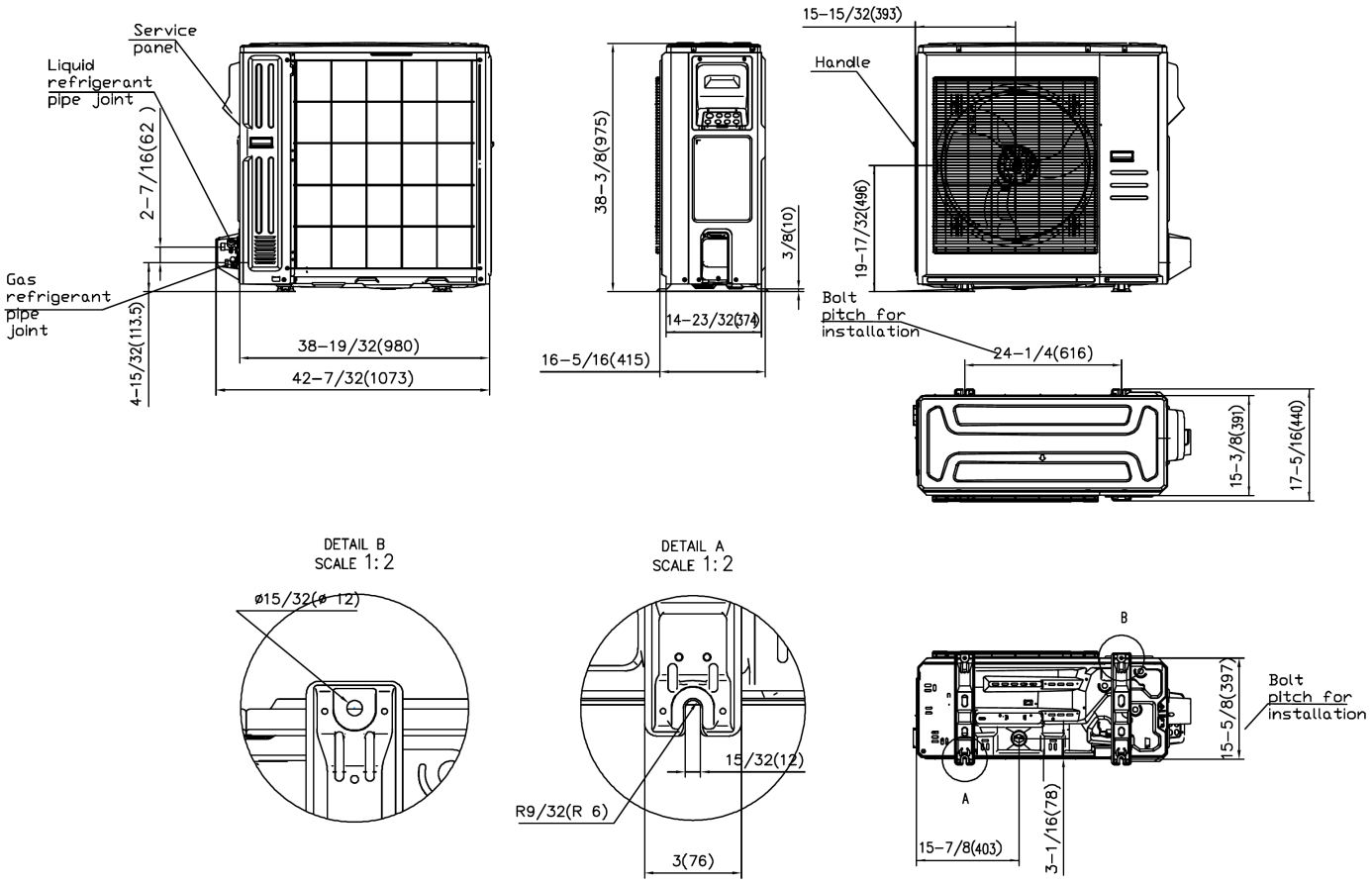
PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	9.52mm(3/8in)
Gas Size	19mm(3/4in)
Max. Piping Length(ft/m)	246(75)
Max. Height Difference(ft/m)	98.4(30)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	134.04(3.8)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.7(65)
Connection Method	Flared

Indoor Unit Dimension

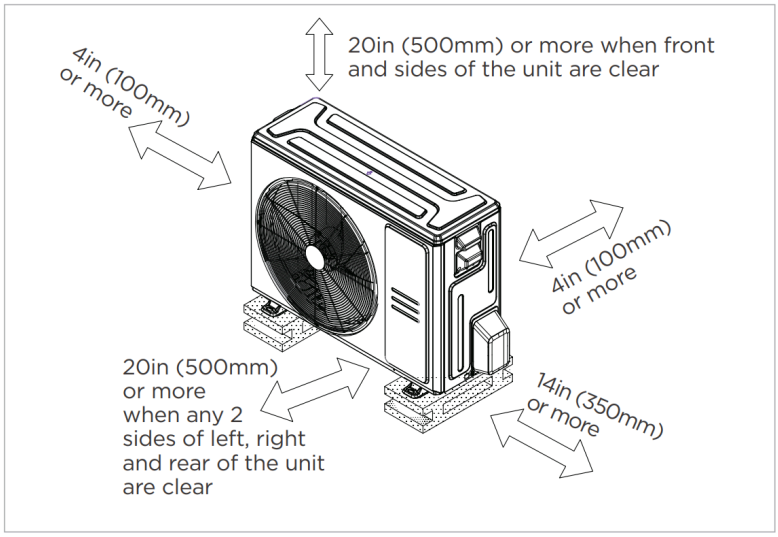


Dimensions		Model	18k/24k		30k/36k		48k/60k	
			inch	mm	inch	mm	inch	mm
A	Model Height		45	1143	49	1245	**53**	**1346**
B	Model Width		17-1/2	445	21	534	**24-1/2**	**622**
C	Supply Air Opening Width		15-5/8	397	19-1/8	486	**22-5/8**	**575**
D	Return Air Opening Width		15-1/8	384	18-5/8	473	**22-1/8**	**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

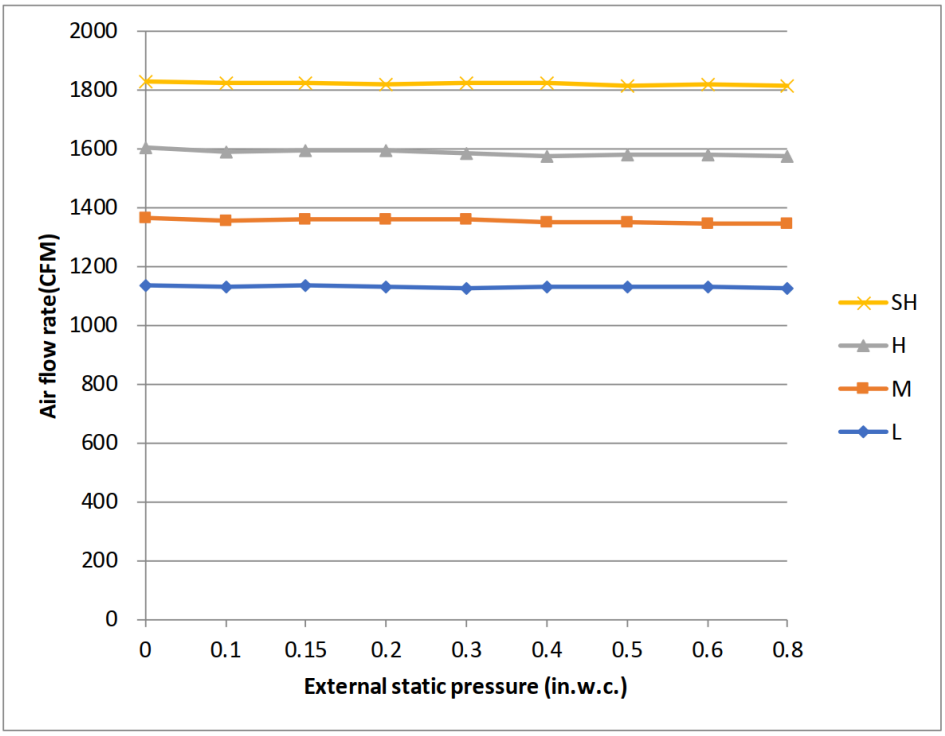


Installation Instruction For Outdoor Unit



☑ 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