

Notes

1. Net weight

Without Thermostat or Disconnect Switch
25 & 30 kW = 201 lbs (91.5 kg)

Net Weight Adders

Thermostat = 7 lbs (3.1 kg)
Disconnect Switch = 11 lbs (4.9 kg)

2. Shipping Weight

Without Thermostat or Disconnect Switch
25 & 30 kW = 270 lbs (122.5 kg)

Ship Weight Adders

Thermostat = 7 lbs (3.1 kg)
Disconnect Switch = 11 lbs (4.9 kg)

3. Ambient Temperature Limits and Altitude

Operating: **Gas:** -40°C ≤ Tamb ≤ +40°C; **Dust:** -30°C ≤ Tamb ≤ +40°C (except IECEx with disconnect -20°C ≤ Tamb ≤ +40°C)
Storage: -50°C to +60°C
Maximum Altitude: 3000 m ASL

4. Air Delivery

25 kW = 3568 m³/hr
30 kW = 5097 m³/hr

5. Hazardous Location Classification

Gas Atmosphere Models
CE 2813 Ex II 2G, Ex d IIB T4 Gb IP55 (ATEX) or
Ex d IIB T4 Gb IP55 (IECEx)
1Ex d IIB T4 X IP55 (EAC Ex)
(Suitable for ATEX/IECEx/EAC Ex Zone 1 & 2)

Dust Atmosphere Models
CE 2813 Ex II 2D, Ex tb IIIB T135°C Db IP65 (ATEX)
Ex tb IIIB T135°C Db IP65 (IECEx)
Ex tb IIIB T135°C Db X IP65 (EAC Ex)
(Suitable for ATEX/IECEx/EAC Ex Zone 21 & 22)

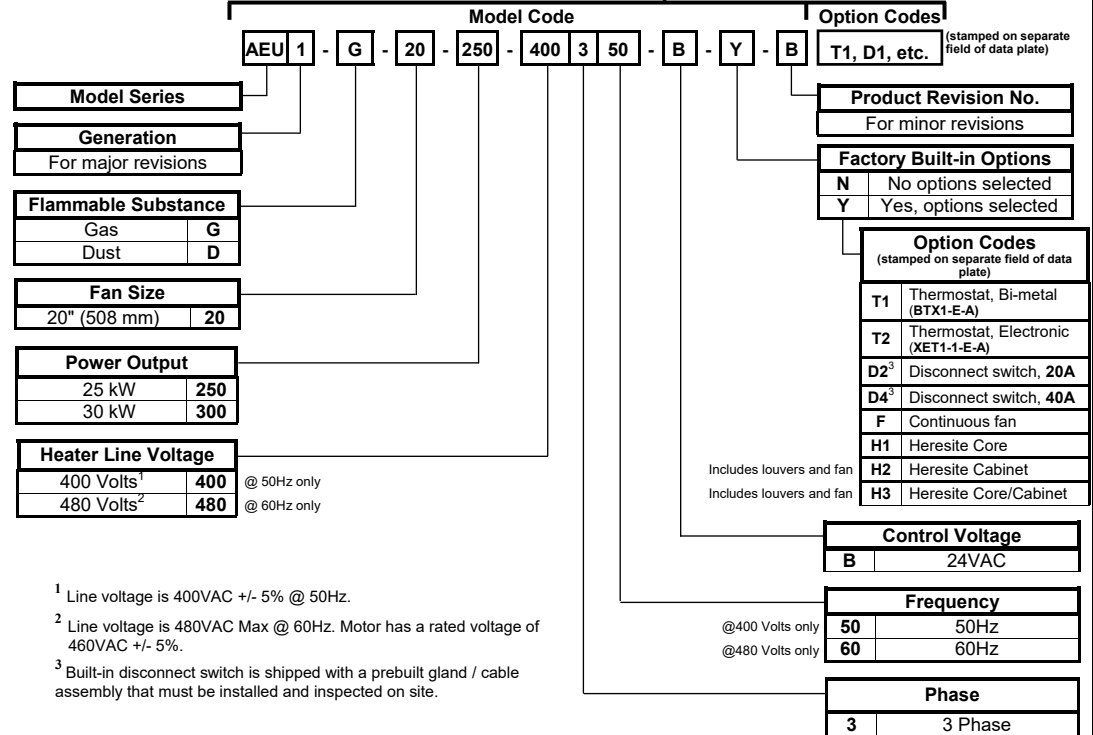
6. Materials

Cabinet: 14 Ga, Yellow Epoxy/Polyester Powder Coated
Core: Carbon Steel with Copper-free Integral Aluminum Fins Coated with Black, High Heat Enamel
(Heresite coated core and/or cabinet available)

Table 1 Specifications for AEU1 Heater, 20" Fan Size

KW	Line Volt	PH Ø	Hz	Fan Dia. (inch)	Total Amps	Minimum Circuit Ampacity	Max Fuse Size	Supply Wire 90°C mm² (AWG)	BASE MODEL (? = G or D)	Flammable Substance Gas (G) Dust (D) [circle one]	Optional Built-in Thermostat [circle one]	Built-in Disconnect Switch	Continuous Fan
25	400	3	50	20	37.1	46.4	50	8.36 (8)	AEU1-?-20-250-400350-B	G or D	None or T1 or T2		
	480	3	60		31.1	38.9	40	8.36 (8)	AEU1-?-20-250-480360-B	G or D	None or T1 or T2		
30	400	3	50	20	44.3	55.4	60	13.3 (6)	AEU1-?-20-300-400350-B	G or D	None or T1 or T2	(not available)	
	480	3	60		37.1	46.4	50	8.36 (8)	AEU1-?-20-300-480360-B	G or D	None or T1 or T2		

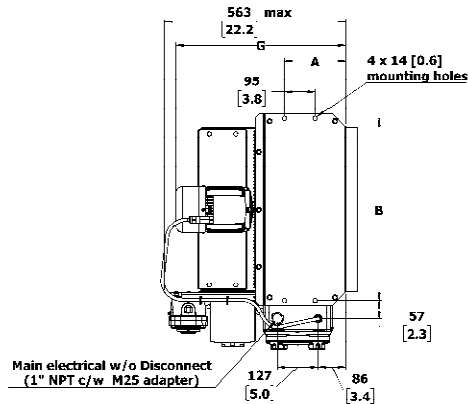
Heater Model Code & Option Codes



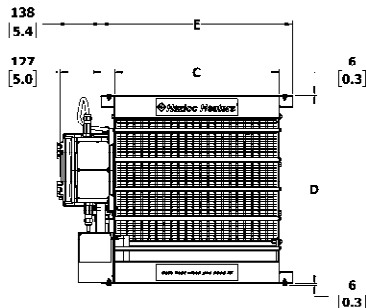
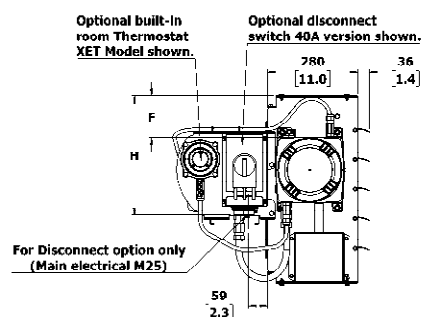
¹ Line voltage is 400VAC +/- 5% @ 50Hz.

² Line voltage is 480VAC Max @ 60Hz. Motor has a rated voltage of 460VAC +/- 5%.

³ Built-in disconnect switch is shipped with a prebuilt gland / cable assembly that must be installed and inspected on site.



Heater Size	20 (25-30kW)
Dim.	Inches (mm)
A	7.5 (191)
B	26.3 (667)
C	24.3 (617)
D	27.0 (686)
E	27.4 (697)
F	7.1 (181)
G	20.8 (528)
H	16.7 (424)



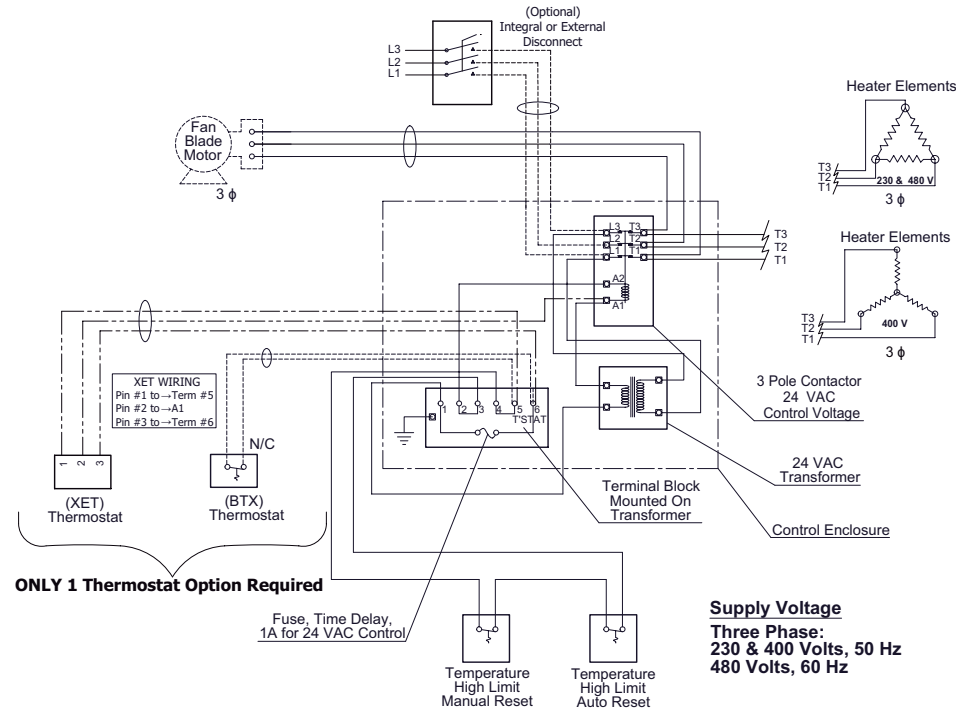
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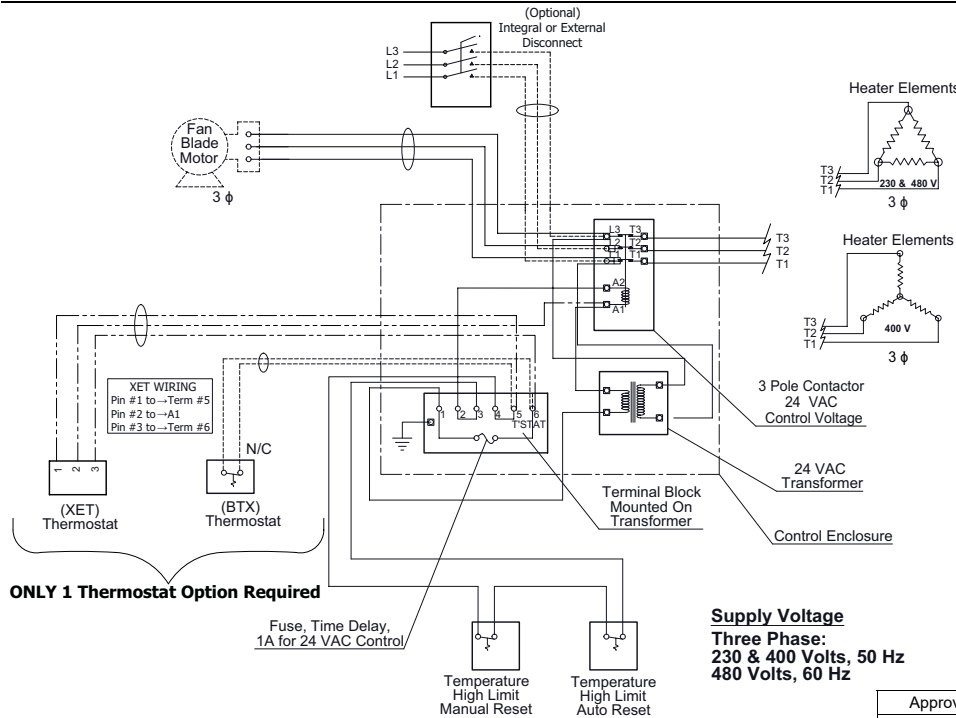
Approval Drawing	AEU1, 20" Fan Size Heater
October 15, 2019	Version 2.0
Hazloc Heaters Inc.	Calgary, Alberta



Wiring Diagram for Standard Fan Operation



Wiring Diagram for Continuous Fan Operation



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