

Notes

1. Net weight

Without Thermostat or Disconnect Switch
15 & 20 kW = 176 lbs (79.8 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
15 & 20 kW = 239 lbs (108.4 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

15 kW = 2039 m³/hr
20 kW = 2888 m³/hr

5. Hazardous Location Classification

Gas Atmosphere Models
CE 2813 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 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, 16" 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 ☒
15	230	3	50	16	39.2	49.0	50	8.36 (8)	AEU1-?-16-150-230350-B	G or D	None or T1 or T2	(not available)	
	400	3	50		22.7	28.4	30	5.26 (10)	AEU1-?-16-150-400350-B	G or D	None or T1 or T2		
	480	3	60		19.1	23.9	25	5.26 (10)	AEU1-?-16-150-480360-B	G or D	None or T1 or T2		
20	400	3	50	16	29.9	37.4	40	8.36 (8)	AEU1-?-16-200-400350-B	G or D	None or T1 or T2		
	480	3	60		25.1	31.4	35	8.36 (8)	AEU1-?-16-200-480360-B	G or D	None or T1 or T2		

Heater Model Code & Option Codes

Model Code										Option Codes								
AEU	1	-	G	-	16	-	150	-	400	3	50	-	B	-	Y	-	B	T1, D1, etc.
Model Series										Product Revision No.								
Generation										For minor revisions								
Flammable Substance										Factory Built-in Options								
Gas										N No options selected								
Dust										Y Yes, options selected								
Fan Size										Option Codes								
16" (406 mm)										T1 Thermostat, Bi-metal (BTX1-E-A)								
Power Output										T2 Thermostat, Electronic (XET1-1-E-A)								
15 kW										D2 ⁴ Disconnect switch, 20A								
20 kW										D4 ⁴ Disconnect switch, 40A								
Heater Line Voltage										F Continuous fan								
230 Volts ¹										H1 Heresite Core								
400 Volts ²										H2 Heresite Cabinet								
480 Volts ³										H3 Heresite Core/Cabinet								
Control Voltage										B 24VAC								
Frequency										50 50Hz								
										60 60Hz								
Phase										3 3 Phase								

1 Line voltage is 230VAC +/- 5% @ 50Hz.

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

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

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

Includes louvers and fan

Includes louvers and fan

@230 & 400 Volts only

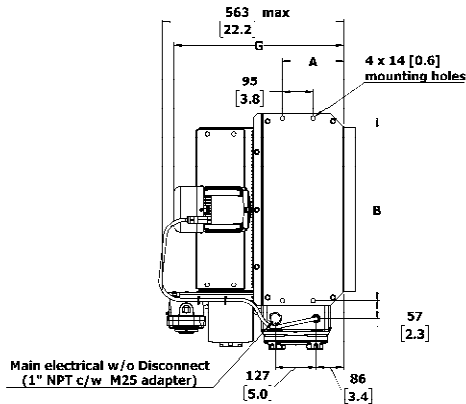
@480 Volts only

¹ Line voltage is 230VAC +/- 5% @ 50Hz.

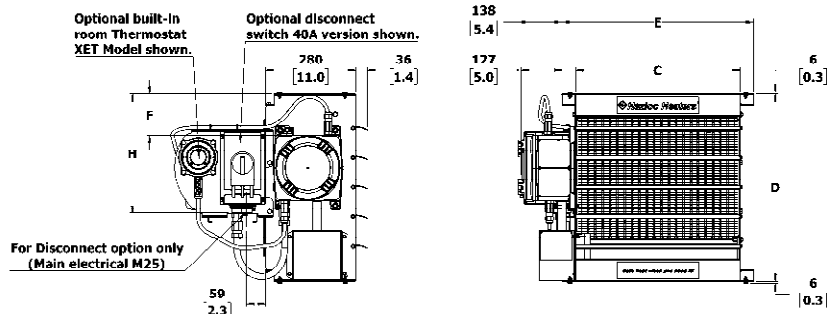
² Line voltage is 400VAC +/- 5% @ 50Hz.

³ Line voltage is 480VAC Max @ 60Hz. Motor has a rated voltage of 460VAC +/- 5%.

⁴ Built-in disconnect switch is shipped with a prebuilt gland / cable assembly that must be installed and inspected on site.



Heater Size	16 (15-20kW)
Dim.	Inches (mm)
A	7.5 (191)
B	22.3 (566)
C	20.3 (515)
D	23.0 (583)
E	23.5 (596)
F	5.1 (130)
G	20.8 (528)
H	14.7 (373)



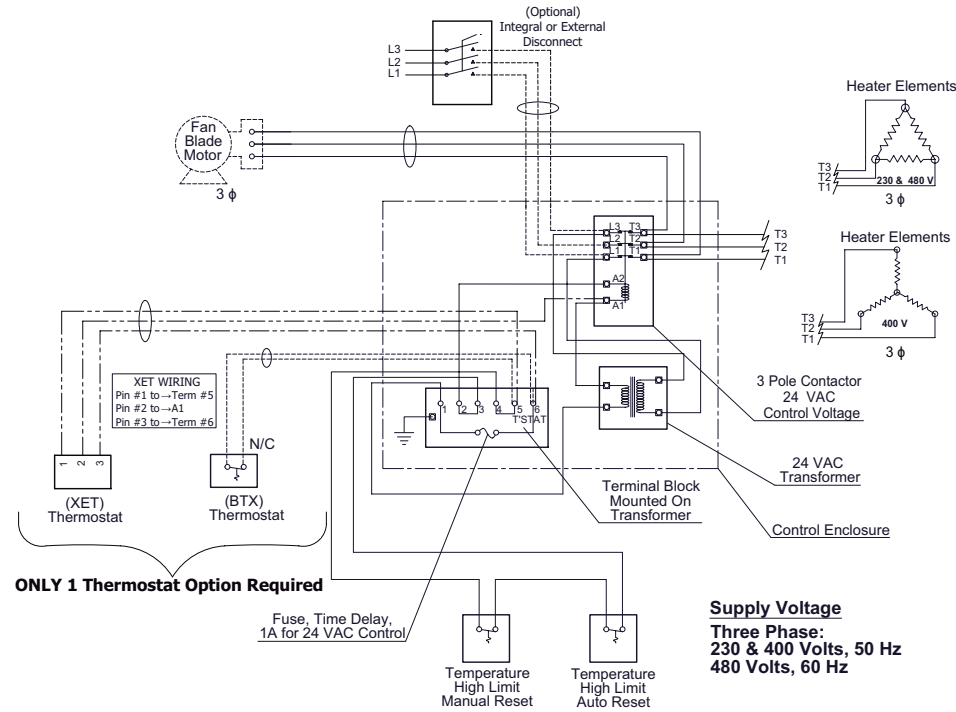
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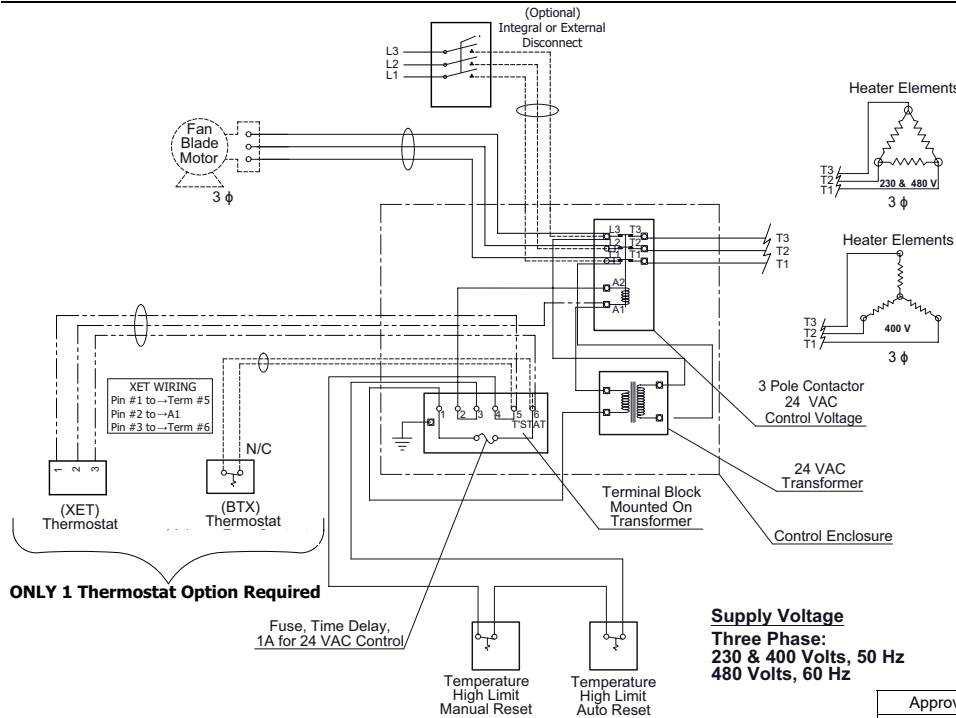
Approval Drawing	AEU1, 16" Fan Size Heater
October 15, 2019	Version 2.0
Hazloc Heaters Inc.	Calgary, Alberta



Wiring Diagram for Standard Fan Operation



Wiring Diagram for Continuous Fan Operation



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