

HGP Part Number	HorsePower (HP)	kVar	Harmonic	Voltage (V)	HZ.	Phase
HGL0900AW3----	900	135	5th	480	60	3

Note: For Torque Information
See IOM Manual

HGP Part Number	Schematic Drawing #	Approx Weight (LBS)
HGL0900AW3S000#	30586-1S	1880
HGL0900AW3C000#	30586-1C	1896
HGL0900AW3C*00#	30586-PQ7	1899

* = Communication Options
= Mechanical/Electrical Option

Customer Connections:
L1, L2, L3, T1, T2, T3,
Wire Range- Four, 600MCM-2AWG
Tightening Torque: 550 lb-in

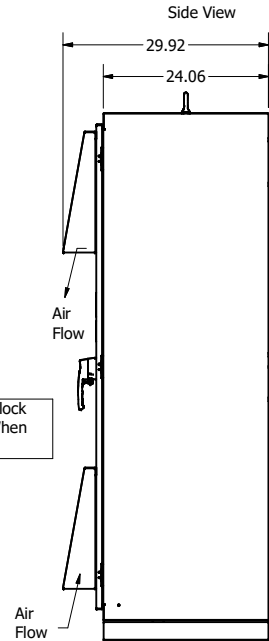
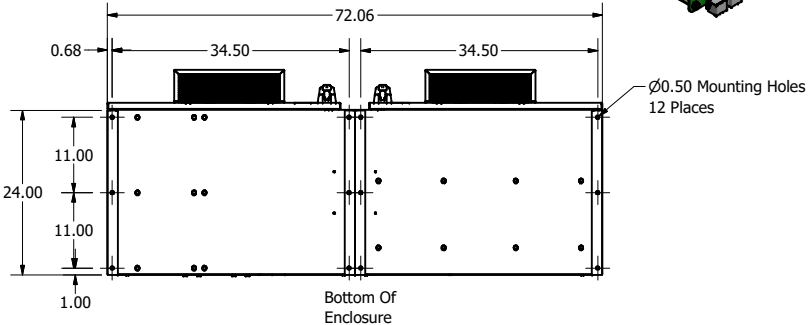
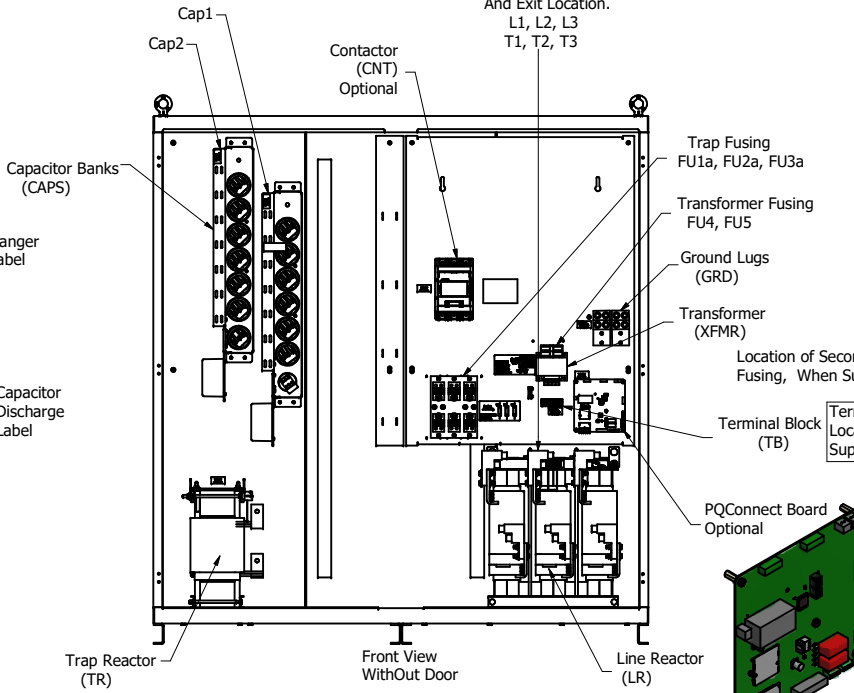
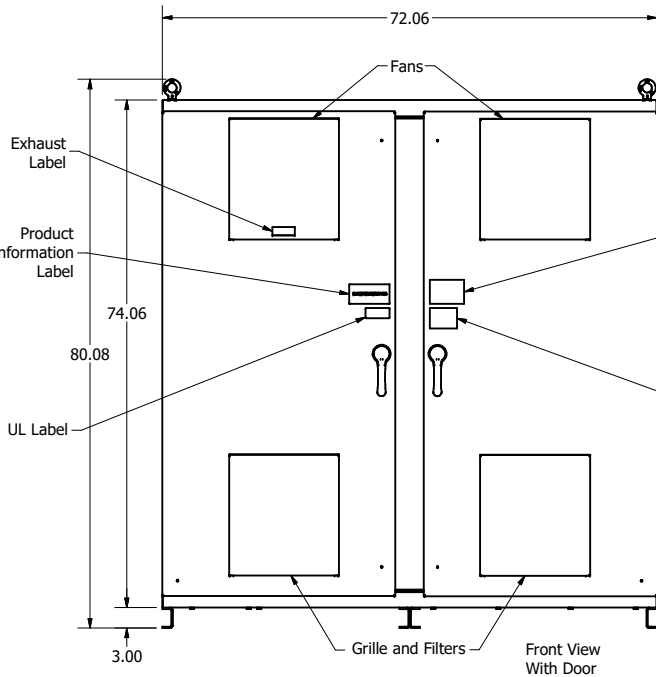
Ground Lug.
Wire Range- Eight, 600MCM-2AWG
Tightening Torque: 550 lb-in

D

C

B

A



Thermal Switch, Terminal Block (Optional) Located on Inductors

Wire Range: 18 AWG To 4 AWG.
Torque: 20 LB-IN (2.3 Nm)

Switch Opens on Temperature Rise
Contact Rating: 6A @ 120 VAC, Resistive
Contact Rating: 5A @ 120 VAC, Inductive

Customer Is Responsible For Installation to
Meet All National And Local Electrical Codes.

NOTE: USE ONLY HUBS OR FITTINGS THAT COMPLY
WITH UL514B FOR TYPE 3R ENCLOSURES

Material(s) Shall be RoHS Compliant

HGL0900AW3----			
Components	S*00#	C*00#	C*00#
Line Reactor (LR)	x	x	x
Trap Reactor (TR)	x	x	x
Capacitor (Cap)	x	x	x
Trap Fusing, FU1, FU2, FU3	x	x	x
Contactor (CNT)		x	x
Transformer (XFMR)	x	x	x
XFMR Fusing, FU4, FU5	x	x	x
PQConnect Board			x

***=Communication Option**
1= PQconnect w/Modbus RTU over RS485
2= PQconnect w/Ethernet IP

#=Mechanical Option
0= No Option
H= Heater (Only in Type 3R)
V= Vibration Pads
T=Thermal Switches

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NO	REVISION	DATE	BY
1	6774 Update Ground Connections	08/22/24	JRN
2	6614 Update Schematic, Cap Designators	03/21/24	JRN
3	6463 Update Panel Size	10/27/23	JRN
4	6440 Update Component Layout	10/16/23	JRN
5	6430, update cap connections	10/5/2023	DSW
6	6382 Updated Components, Add # Options	08/17/23	JRN

TOLERANCES (EXCEPT AS NOTED)
DECIMAL
.XX ± .25
.XXX ± .10
FRACTIONAL
± 1/16
ANGULAR
± 1°

TCL		W132N10611 (Rev 13 Feb 2022)	
An Official Motion Company		© 2022 TCI, LLC	
HarmonicGuard Passive Low Capacitance		HGL, 900HP, 480/3/60, Type 3R	
DESIGN BY	DATE	DATE	DATE
JRN	05/13/19	05/13/19	05/13/19
SCALE	1/14	DRW	CS
108140DG		SHT 1 OF 1	