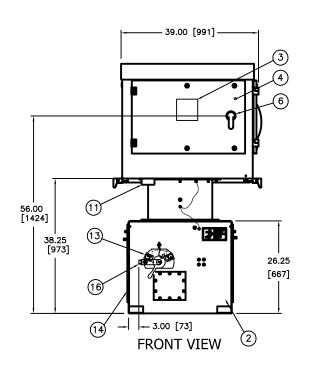
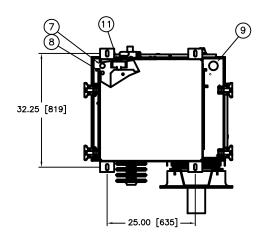
MMA

HF ESP, POWERPLUS SERIES 21 & 28 kW UNIT WITH DISCONNECT GROUND SWITCH





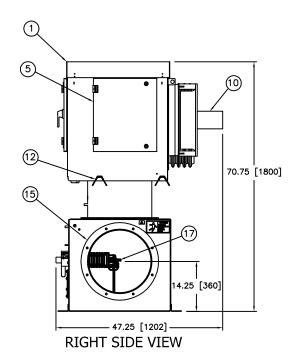
BOTTOM VIEW

NOTES:

- 1. POWERPLUS MUST BE MOUNTED ON A LEVEL SURFACE OR SHIMMED TO WITHIN 1/8"[3.2] RISE PER 12"[305] RUN.
- COLD ROOF MAY NEED TO BE REINFORCED TO ACCEPT THE WEIGHT OF THE POWER PLUS UNIT.
- 3. MAXIMUM ALLOWABLE DUCT INTERNAL TEMPERATURE: 122°F (50°C).

 MAXIMUM ALLOWABLE DUCT INTERNAL PRESSURE: 1PSI (2.04"Hg. THE INSTALLER MUST USE AN ENTRANCE BUSHING IN THE ROOF.
- 4. POWERPLUS MUST BE GROUNDED TO THE COLD ROOF BY THE END USER. REFER TO DWGB125481 FOR GROUNDING DETAILS.

APPROX WEIGHT WITH DISCONNECT GND SWITCH: 1300lbs, 590kg DIELECTRIC FLUID VOLUME: 29gal, 110L FINISH: ENAMEL, ASA 61, APPROX. RAL 7042 TANK AND CONTROL ENCLOSURE ARE SEALED UNITS RATED NEMA 4/IP56 ALL DIMENSIONS IN INCHES FOLLOWED BY [mm].



- (1) POWERPLUS UNIT.
- DISCONNECT GROUND SWITCH USED TO DISCONNECT AND GROUND THE ESP.
- (3) RATINGS NAMEPLATE, ALUMINUM, PHOTO ETCHED.
- (4) SWITCH GEAR AND CONTROL SECTION WITH HINGED DOOR. ALLOW 33"[838] OF CLEARANCE FROM THIS FACE FOR DOOR SWING.
- (5) POWER ELECTRONICS SECTION WITH HINGED DOOR. ALLOW 19"[483] OF CLEARANCE FROM THIS FACE FOR DOOR SWING.
- (6) INPUT CIRCUIT BREAKER SWITCH HANDLE WITH INTERLOCK PROVISION INSIDE. FOR ACCEPTABLE INTERLOCK SEE DWG A105811.
- (7) 1"[25.4] DIA CONDUIT HOLE FOR 120V CONTROL WIRING.
- (8) 1/2"[12.7] DIA CONDUIT HOLE FOR LOW VOLTAGE TRANSDUCER AND COMMUNICATION LINK CONDUIT.
- 9 2"[51] DIA CONDUIT HOLE FOR 3 PH POWER AND GROUND.
- (10) COOLING FAN FOR IGBT HEAT SINK ASSEMBLY.
- (1) EZ SCOPE PORT WITH RJ45 SOCKET FOR KEYPAD DISPLAY CONNECTION AND BNC CONNECTORS FOR MAKING EXTERNAL KV AND MA MEASUREMENTS.
- (12) LIFTING HOOKS (4 PLACES).
- (3) H.V SWITCH MECHANISM WITH VIEWING WINDOW AND INTERLOCK PROVISIONS. FOR INTERLOCK AND BOLT EXTENSION INFO SEE DWG A105811.
- (4) SIDE EXIT 18" DUCT MOUNTING PROVISION. INCLUDES GASKETS AND 3/8-16 HARDWARE 8 PLACES ON A 20"[508] DIA B.C. WITH 18"[457] DIA DUCT OPENING.
- (5) SIDE EXIT 22" ACCESS COVER (NOT SHOWN). INCLUDES GASKETS AND 3/8-16 HARDWARE 8 PLACES ON A 20"[508] DIA B.C. WITH 18"[457] DIA DUCT OPENING.
- (16) 1/2"NPT OUTPUT CONNECTION TAB TO ESP.
- (7) OPTIONAL METRIC ADAPTER FOR H.V. OUTPUT CONNECTION. CONVERTS \(\frac{1}{2}\)"NPT TO M20-1.5. SEE A117570.