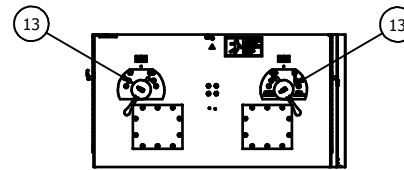
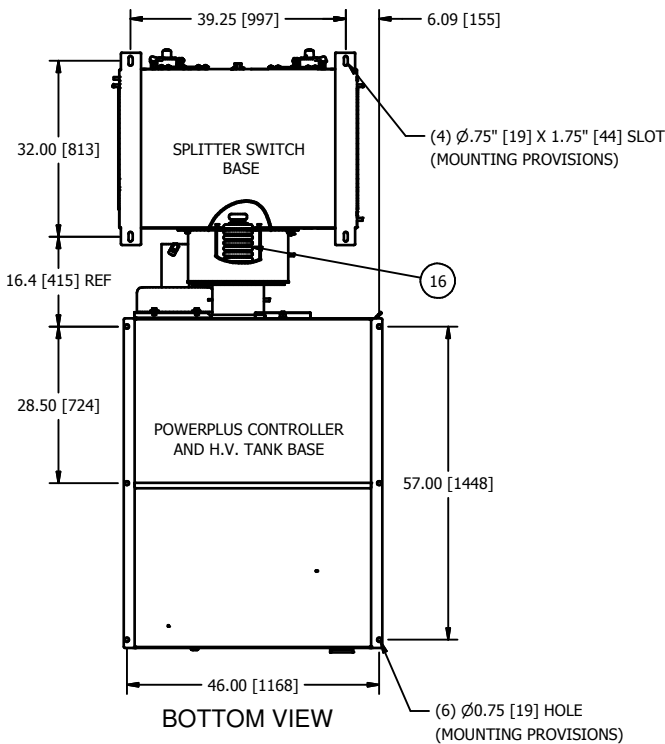
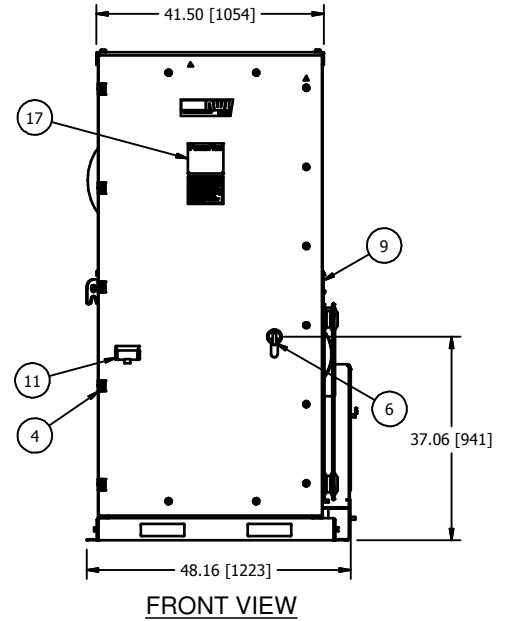
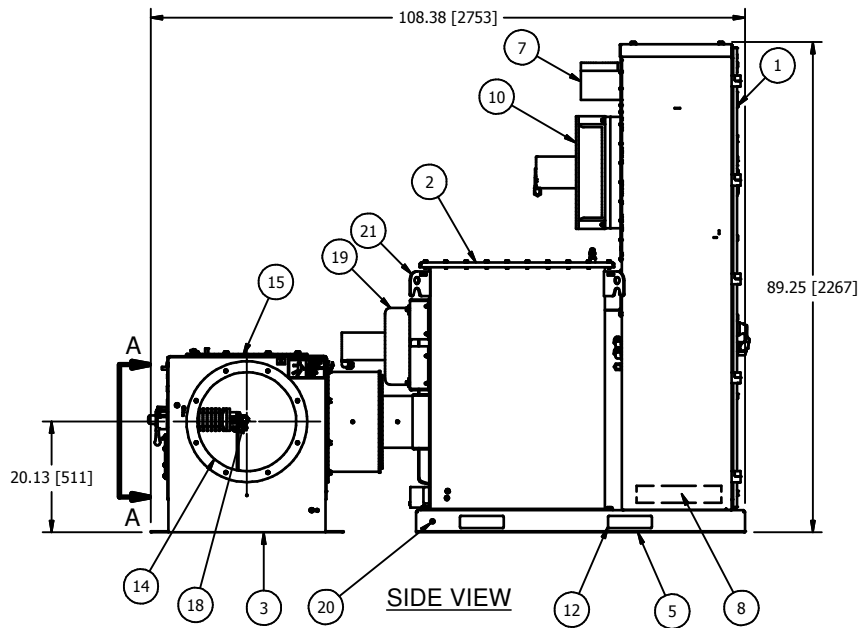


2

1



HF ESP, POWERPLUS SERIES
128-200kW UNITS w/SPLITTER SWITCH



- 1 POWERPLUS CONTROLLER UNIT
- 2 POWERPLUS H.V. TANK
- 3 SPLITTER SWITCH (SHIPS SEPARATELY).
- 4 ACCESS DOOR TO FUSE/CONTACTOR, 3 PHASE RECTIFIER ASSEMBLY AND CONTROL SECTION. ALLOW 46" [1169] OF CLEARANCE FORM THIS FACE FOR DOOR SWING.
- 5 POWERPLUS BASE.
- 6 INPUT CIRCUIT BREAKER SWITCH HANDLE WITH INTERLOCK PROVISION INSIDE. FOR ACCEPTABLE INTERLOCKS SEE DWG C140616.
- 7 CONTROLLER HEAT EXCHANGER.
- 8 RECOMMENDED CUSTOMER CONTROLS AND FEEDBACK CONDUIT LOCATION.
- 9 GLAND PLATE FOR 3 PHASE POWER AND GROUND.
- 10 COOLING FAN FOR IGBT HEATSINK ASSEMBLY (2) PLACES.
- 11 EZ SCOPE PORT WITH RJ45 SOCKET FOR KEYPAD DISPLAY CONNECTION AND BNC CONNECTORS FOR MAKING EXTERNAL kV AND mA MEASUREMENTS.
- 12 FORKING PROVISIONS (4) PLACES).
- 13 H.V. SWITCH MECHANISM WITH VIEWING WINDOW AND INTERLOCK PROVISIONS. FOR INTERLOCK AND BOLT EXTENSION INFORMATION SEE DWG A105875.
- 14 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.
- 15 SIDE EXIT 22" [559] 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 HIGH VOLTAGE SEMI-OUTDOOR BUSHING.
- 17 RATINGS NAMEPLATE, ALUMINUM PHOTO ETCHED.
- 18 OPTIONAL METRIC ADAPTER FOR H.V. BUSHING CONNECTION. CONVERTS 1/2" NPT TO M20-1.5. SEE DWG A117570.
- 19 RADIATOR COOLING FAN.
- 20 EQUIPMENT SAFETY GROUND TERMINATION, 3/8-16 GROUND BOSS.
- 21 LIFTING HOOKS (4) PLACES

NOTES:

1. POWERPLUS MUST BE MOUNTED ON LEVEL SURFACE OR SHIMMED TO WITHIN 1/8" [3.2] RISE PER 12" [305] RUN.
2. COLD ROOF MAY NEED TO BE REINFORCED TO ACCEPT THE WEIGHT OF THE POWERPLUS UNIT.
3. MAXIMUM ALLOWABLE DUCT INTERNAL TEMPERATURE: 122°F (50°C). MAXIMUM ALLOWABLE DUCT INTERNAL PRESSURE: 1 PSI (2.04" Hg). THE INSTALLER MUST USE AN ENTRANCE BUSHING IN ROOF TO MEET THESE SPECIFICATIONS.
4. POWERPLUS MUST BE GROUNDED TO THE COLD ROOF BY THE END USER. REFER TO DWG B126972 FOR GROUNDING DETAILS.
5. ALLOW 100" [2540] MINIMUM CLEARANCE ABOVE THE FLOOR TO LIFT AND REMOVE THE T/R RIG ASSEMBLY FROM THE OIL TANK. CLEARANCE DOES NOT INCLUDE RIGGING HEIGHT.

APPROX. WEIGHT WITH SPLITTER SWITCH: 4875lbs (2211kg).
DIELECTRIC FLUID VOLUME: 155gal (587L).
FINISH: ENAMEL, ASA 61, APPROX. RAL 7042.
TANK AND CONTROL ENCLOSURE RATED NEMA 4/IP56.

DATA SHEET: ESP128-200SP

REVISION DATE: 10/14/15

APPROVED BY: RJK

ALL DIMENSIONS IN INCHES [mm]