

LOAD BANK TECHNICAL SALIENT CHARACTERISTICS

VOLTAGE:	480 VAC, 3 PHASE, 3 WIRE
FREQUENCY:	60 HERTZ
DUTY CYCLE:	CONTINUOUS
CAPACITY:	1250 KVA, 08pf lagging at 450 VAC, 3-phase, 60Hz 880 KW resistive 660 KVAR, inductive
LOAD STEPS:	1kw/0.75 KVAR load step resolution

CONTROL POWER: Internal/External, derived from power source under load test or external source. 480-360 VAC. Control Circuits at 120V via internal isolation transformer. Fan Motor load: 2 x 10 HP, 13 Amp Control Load 3.0 KVA, 6.25 A.

REQUIREMENTS:

1. Portable, Self Contained
 - a. Forklift Channels located in the bottom frame of the unit.
 - b. Unit will be transported inside PSNS by Forklift. Must be able to be moved by 17 ton forklift.
 - c. Heavy duty skid base
 - d. Size to be no more than 96" W, x 110" H, x 84" D.
 - i. To be suitable for direct transport on standard flatbed trailers.
 - ii. Due to storage space limitations while not in use.
 - iii. Due to space limitations while being set up for use, staged either on a barge alongside a vessel or on the pier close enough to the vessel for required cables to reach destination and be safely connected.
2. Cooling System
 - a. Forced air, horizontal airflow.
 - b. 2 each 10 HP 3 phase TEFC motor direct driving, with aluminum fan blades.
 - c. Intake and exhaust automatic louvers with linear power actuator and protection screens
 - d. Circuit breaker protected combination fan motor starter.
3. Service Access From All Four Sides
 - a. Hinged lockable doors with flush latches to allow service access on all four sides.
4. External Cable Connection
 - a. Hinge up door for cable connection to a full rated copper bus bar.
 - b. Must be able to connect in series to existing Simplex Load Cubes to increase our testing capabilities.
5. Plug-in Connectors for Control Connection and Enclosure Finish
 - a. Mounted connectors to be located in a recessed well
 - b. Epoxy primed, polyurethane finish coating suitable for use in marine environments.
 - c. NEMA3R weatherproof construction. Suitable for all-weather transportation and use.

6. Controls
 - a. To include stand-alone Dell "ruggedized" latitude laptop computer with software pre-installed for remote control of unit.
 - i. Computer to have 64Gbyte solid state hard drive.
 - b. Also Digital Control Panel with touch screen operator interface panel
 - c. Programmable automatic load control.
7. Tray mounted resistive load elements
8. Rack mounted Reactive load elements
9. NRTL label
 - a. Unit must be delivered with inspection complete and approve NRTL label installed.

C/950 Planning Supervisor
Warren R Hansen
Bldg 427 2nd floor
360-476-4852