

1. APPROVALS
 1. UL508A
2. MANUFACTURER AND MODEL
 - 1 Tornatech model JP
3. SEISMIC CERTIFICATION
 - 1 Test Criteria
 - a. ICC-ES AC156
 2. Building Code
 - a. IBC 2015
 - a. CBC 2016 OSHPD Special Seismic Certification Preapproval – OSP
2. Seismic Parameters
 - a. ASCE 7-10 Chapter 13
4. OPERATIONAL COMPONENTS AND STARTING METHOD
 - 1 Combined manual and automatic
 - 2 Horsepower rated disconnect switch
 - 3 Full voltage across the line starting
 - 4 Thermo-magnetic motor protector and a motor contactor
 - 5 Transformer with 24V.AC secondary
5. ENCLOSURE
 - 1 NEMA Type 2
6. OPERATOR INTERFACE
 - 1 Touch-pad type pushbuttons and a high luminosity LED digital display.
 - 2 Shall monitor and display motor operating conditions and pressure conditions
 - 3 Operational without opening the controller door.
7. VISUAL INDICATIONS
 - 1 The operator interface shall indicate:
 - 2 Manual motor run LED
 - 3 Automatic motor run LED
 - 4 Motor overload
 - 5 System pressure
 - 6 Start pressure
 - 7 Stop pressure
 - 8 System pressure above stop pressure LED
 - 9 System pressure in between start and stop pressure LED
 - 10 System pressure below start pressure LED
 - 11 Controller in AUTO mode
 - 12 Controller in OFF mode
 - 13 Pump start counter
 - 14 Elapsed time meter (hours / non-resettable)
8. TIMERS
 - 1 Minimum run period timer
 - 2 Sequential start timer.
9. SOLID STATE PRESSURE TRANSDUCER
 - 1 Stainless steel
 - 2 Operational between 0 and 600psi
 - 3 External connection