

SPECIFICATION OF BRAKES

1. TYPE OF BRAKE – PNEUMATICALLY ACTUATED DRUM TYPE BRAKE.
2. APPLICATION – 5070KW, 600 RPM VERTICAL MOTOR FOR LIFT IRRIGATION PROJECTS.
3. SPEED RATED - 600 RPM
4. INPUT DATA REQUIRED FOR BRAKE SELECTION –
 - A) Total (Pump+Motor) Inertia - 3150 Kg-m²
 - B) BRAKE WILL BE APPLIED AT 20% OF RATED SPEED TO BRING VERTICAL MOTOR AND PUMP UNIT TO HALT.
 - B) BRAKING TIME – 20 SECONDS
5. MOUNTING – PLEASE REFER ATTACHED SKETCH FOR THE MOUNTING ARRANGEMENT AND LIMITING DIMENSIONS. BRAKES WILL BE MOUNTED IN THE VERTICAL MOTOR PUMP SET. BRAKE HUB AND DRUM WILL BE DIRECTLY MOUNTED ON TO THE MOTOR SHAFT AND BRAKE ELEMENT WILL BE MOUNTED ON STATIONARY SUPPORT ON THE MOTOR FRAME.
6. FRICTION LINING – NON-ASBESTOSE AND NON-DUST TYPE.
7. PROVISION FOR RAPID RELEASE OF AIR FROM PNEUMATIC BRAKE.


VENDOR SHALL FURNISH FOLLOWING ALONG WITH THE OFFER :

1. REQUIRED AIR PRESSURE AND ITS CONNECTION DETAILS.
2. DRAWING/SKETCH/CATALOGUE OF THE BRAKE OFFERED.
3. GUIDELINES FOR BRAKE MOUNTING AND OPERATION.

SCOPE OF SUPPLY:

BRAKE ELEMENT.

DRUM AND MOUNTING HUB ARE NOT IN VENDOR'S SCOPE OF SUPPLY.


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