कोइराला स्वास्थ्य विज्ञान प्रतिष्ठान धरानको

कोटेशन माग गरिएको सूचना ।

(सूचना प्रकाशित मिति:२०८३।०५।२६)

यस प्रतिष्ठानको लागि आवश्यक संलग्न Specification बमोजिमको दुई थान Hydro Extractor Machine खरिद गनुपर्ने भएकोले सो प्रयोजनको लागि व्यवसाय (फर्म) दर्ता प्रमाणपत्र, मु.अ.कर दर्ता प्रमाणपत्र र आ.व. २०८१/०८२ को कर चुक्ताको प्रमाणपत्रको प्रतिहरू संलग्न गरी यो सुचना प्रकाशित मितिले ७ (सात) दिन भित्र कोटेशन पेश गर्नुहुन सुचित गरिन्छ । माग गरिएको कोटेशन तोकिएको म्यादभित्र प्रतिष्ठानको दर्ता, चलानी फाँटमा दर्ता गर्नुहुन वा quotation.procurement@bpkihs.edu मा email मार्फत पेश गनुपर्नेछ ।

Technical Specification of Direct Drive Hydro Extractor Machine

1. Machine Type: Industrial Centrifugal Hydro Extractor Machine
2. Drive: Direct Drive, motor shaft directly coupled to the extractor basket, no belt, chain or friction drive. Provided with built-in rubber buffer cushion and springs to enable self balancing.
3. Loading: Top Loading
4. Operation: Semi-automatic, manually loaded and unloaded
5. Installation: Fixed floor mounted
6. Application: Cotton Linen, Hospital Linen, Towels, Blankets, Draw Sheets and other washable textile
7. Electric Supply: 400/415V±10%, 3-phase, 50Hz. AC
8. Control Voltage: 24V DC or manufacturer's equivalent
9. Construction: Heavy-Duty, Rigid, Robust, Vibration-Resistant Construction
10. Drum Material: Outer Drum material of grade SS 304, min.2mm thick and Inner Basket material of grade SS304, min.2mm thick, corrosion-resistant.
11. External Frame: Heavy Duty Painted Carbon Steel or Mild Steel, Adequately protected against corrosion
12. Finish: Smooth, Cleanable, rust-resistant and suitable for wet laundry areas
13. Noise and Vibration: Low noise and vibration during normal operation
14. Rated Capacity : Min.30 kg dry textile load per cycle
15. Basket Volume: 115 ltrs or more
16. Inner Basket Size : Approx.700mm Ø x 300mm depth or manufacturer's equivalent
17. Basket Construction: SS304 CNC perforated basket with smooth bur-free holes, no sharp projections and continuous weilded mechanically robust heavy duty dynamically balanced for the rated operating speed.
18. Operating Speed: 1000 rpm or manufacturer's equivalent
19. Speed Control: Fixed speed direct drive or inverter controlled direct drive , supplier shall specify the actual operational speed
20. Motor: Minimum 3.75KW, 3-phase,TEFC Heavy –Duty Industrial Motor
21. Motor Protection: IP55, Insulation ClassF, Suitable for frequent starting and stopping
22. Bearing: Preferablyy NBC/SKF/NTN makes.
23. Extractor factor: Suplier shall state the G-force or centrifugal extraction factor
24. Drive Arrangement: The perforated extractor basket is directly mounted on a specially designed high-torque, heavy-duty motor.The motor-basket assembly is supported on the base frame spigot through rubber buffer cushions and high-tension suspension springs. This resilient mounting absorbs vibration and permits limited self-centering of the rotating assembly during motor imblance.The basket is statically and dynamically balanced and is protected by an automatic imbalance-safety system.
25. Lid: Heavy-Duty hinged, balanced top lid with SS304 corrosion-resistant construction
26. Lid Interlock: Electrical and/or Mechanical interlock system preventing operation with the lid open. Machine shall not start when the lid is open, lid shall remain locked while the inner basket is rotating
27. Brake: Automatic DC Injection braking system controlled through time delay relay , capable of safely stopping the fully loaded basket in the specified time.
28. Drain Outlet: 2.5" BSP / 3"BSP outlet or flanged outlet
29. Control Panel: Start, Stop, Emergency Stop, Lid Lock Indicator, Cycle Timer, Overload and Fault Indicator.

30. Timer: Adjustable extraction timer, 0-10 minutes or more
31. Emergency Stop: Mushroom type, latching emergency stop push button
32. Imbalancing Protection: Automatic trip detection and controlled stopping incase of excessive/severly unbalanced loads
33. Overload Protection: Motor overload, phase failure, phase sequencer and short circuit protection
34. Electrical Switch Gear, MCB etc shall be of L&T/ABB/Siemens make
35. Approximate Overall Dimensions: 940mmx1140mmx1100mm or subject to manufacturer design
36. Foundation: Reinforced concrete foundation with bolts etc shall be designed for the actual machine weight and dynamic forces by the supplier.
37. Warranty/Guarantee: Comprehensive warranty/guarantee of minimum 2 years
38. Operating Environment: The offered product shal be designed to be stored and to operate normally under the conditionsof the purchaser's country/place.The condition include climate, temperature, humidity etc.
39. Quality Standards and Safety Requirements : Must submit ISO , CE and MSME certification
40. Installation, Commissioning and Demonstration : Job of the supplier/manufacturer
41. Training: Supplier needs to train the user regarding the operation, functioning and safety of the machine and also train the technical staff regarding its service / maintenance.
42. Documentation: Must submit the techncial brochure , quality certificates, user manual , test certificates etc.in English