FEATURES

1. Wet End
   - Balanced hydraulic design for maximized efficiency and extended wear life of all components.
   - CD4MCu construction assures long life of wet end components in combined corrosive/erosive applications.
   - Tangential discharge nozzle design assures maximum fluidizing effectiveness with compact geometry.

2. Premium Efficiency Submersible Motor
   - Inverter duty, air-filled, copper-wound motor (TENV).
   - UL-N83, Class N winding system – stator operating temperatures to 200° C.
   - 316 S. S. shaft designed for superior rigidity.
   - Winding thermostats and mechanical seal sensors offer early warning motor protection.

3. Slurry Mechanical Seal
   - Dual seal design with silicon carbide mating faces.
   - Housed in a separate seal chamber with barrier fluid lubricating both faces.
   - External labyrinth seal and seal relief port protect the seal from slurry intrusion.

SPECIFICATIONS

Motor Size
200 BHP

Discharge Diameter
2”

Discharge Configuration
Tangentially opposed nozzles

Maximum Solids Diameter
3/8”

Rated Capacity
1950 USGPM @ 160 feet TH

Motor Nomenclature

Type / Speed / HZ
TENV Air Filled / 1800 RPM / 60 HZ

Voltage / Phase
460 V / 3 Phase

Service Factor
1.15

Insulation
Class N

Cable
Firewall III – 50 ft. length

Operation Mode
D.O. or V.F.D.

Materials of Construction
Casing
CD4MCu

Impeller
CD4MCu

Wear Plate
CD4MCu

Shaft
316 Stainless Steel

Motor Housing
Class 30 Grey Iron

Fasteners
18/8 Stainless Steel

Mechanical Seal
Upper Seat
Silicon Carbide

Upper Rotator
Silicon Carbide

Lower Seat
Silicon Carbide

Lower Rotator
Silicon Carbide

Elastomers
EPDM

Labyrinth Seal
316 Stainless Steel

Barrier Fluid
Mobil / Synturion 6

Bearings
Thrust
Double Angular Contact

Radial
Deep Groove Ball Bearing

Lubrication
Permanently Lubricated with
Shell / Stamina RLS2

STANDARD

ORDER DETAILS

Model: SBMX2S200-4T4-15.0
Part Number: G24722