

SONY

SPECIFICATIONS

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- ✓ Machinery : Double Arm Kneader (Maker : MORIYAMA).
- ✓ Model : GB600-200-MWB-S
- ✓ Total capacity : 1200 liters.
- ✓ Working capacity : 600 Liters.
- ✓ Shape of blade : Differential banburry type.
- ✓ Material :
 - Mixing chamber : ♦ All material contact surface is made of stainless steel (SUS304) and finished with buffing # 250.
 - Sideboards
 - Chamber Lid
 - Flush Valve : ♦ All material contact surface is made of stainless steel (SUS304).
 - Collecting Pipe
 - Rotor : ♦ Blade is made of stainless steel casting (SCS13) finished with buffing # 250 and the tip is built up with stellite (3 mm thick).
 - ♦ Shaft is made of nickel chromium steel (SCM435) with lining of stainless steel (SUS304) finished with buffing # 250.
- 200HP
 ✓ Main Motor : 150 KW, 4P / 6P, 380 V, 50Hz explosion-proof motor constant power d2G4 (to be supplied by buyer). (Maker : CEN).
- ✓ Tilting motor : 3.7 KW, 4P, 380 V, 50Hz explosion-proof motor with brake d2G4 (to be supplied by the buyer). (Maker : CEN).
- ✓ Rotor speed : Front ⇔ 44 rpm at 4 poles, 29 rpm at 6 poles.
Rear ⇔ 32 rpm at 4 poles, 22 rpm at 6 poles.
- ✓ Chamber opening : 960 mm (L) x 1288 mm (L) mm
- ✓ Lid :
 - Operation : ♦ Open and close motion by pneumatic cylinder (solenoid valve). Maximum opening angle 90 degrees.
 - Shape : ♦ Flat type lid
 - Locking : ♦ Safety-pin locking system actuated by pneumatic cylinder (solenoid valve).
 - Charging port & short pipes : ♦ Refer to the drawing of chamber lid.

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- ✓ Material charge : Through the charging port on Lid.
- ✓ Compound discharge : Electrical motor driven chamber tilting (Max. 140 degree) or through collecting pipes underneath the chamber.
- ✓ Cooling : Water (Max. 3 kg / cm²).
- ✓ Jacket : Mixing chamber, sideboards, blades are jacketed for cooling.
- ✓ Journal sealing : MS Mechanical-seal packing system (WC is applied for wear-ring).
- ✓ Transmission : Motor power is transmitted to speed reducer with V-belt.
- ✓ Temperature sensing : The sensing head is projected from the center ridge of the chamber bottom.
- ✓ Piping works : Prepped the secondary piping including of header pipes (STPG - rubber hose - NPT thread fittings).
- ✓ Paintings : M20 - 344 (1987 edition) with epoxy cure agent.
- ✓ Power source : AC 380 V, 50 Hz, 3 Phase
- ✓ Operation circuit : AC 100 V, 50 Hz, single phase (AC 200 V for solenoid valve).
- ✓ Operation Panel : Excluded from this specification.
- ✓ Control Panel : Excluded from this specification.
- ✓ Rotor revolution direction : Inwards and outwards.
- ✓ Starting system : Reactor system.
- ✓ Temperature sensor : Explosion-proof resistance bulbs (double element Pt 100 ohm).
- ✓ Wiring : The wiring from limit switch and thermocouple shall be gathered to the junction box (drip-proof). Conduit tube thread is NPT. Limit switches and solenoid valves are attached to the machine body.
- ✓ Exclusive work :
 - ① Foundation work
 - ② Heat & cold insulation work
 - ③ Primary & secondary wiring
 - ④ Primary piping
 - ⑤ Installation work
 - ⑥ Trial operation
 - ⑦ Supervising works
- ✓ Spare parts :

① Wear rings (WC)	⇨ 4 sets
② Temperature sensor	⇨ 1 pc
③ Valve seat for flush valve (TEFLON seat).	⇨ 4 pcs
- Elec parts

Local control panel	→ 1 pc
Motor soft starter	→ 1 pc
Circuit breaker	→ 2 pcs