



Centrifugal Monoblock Pumpsets

S-PRO Centrifugal Monoblock pumpsets are powered by a totally enclosed fan cooled AC induction two pole motor. Motor stator is made of low watt loss silicon steel laminations assembled under pressure and rigidly locked in the frame. The windings are of high-grade enameled copper wire offer excellent resistance and are varnish impregnated. Construction of motor frame and usage of quality materials result in high performance and low temperature rise thereby increasing the life cycle of the motor.



SALIENT FEATURES

- High operating efficiency resulting in lower power consumption
- Good suction lift characteristics
- Inbuilt with thermal overload protector in all single phase pumpsets upto 2HP
- Specially designed for wide voltage operation
- SS 304 impellers are used in specific pump models to increase the life of the pump
- Dynamically balanced rotating parts including rotor and impeller ensures minimum vibration and longer life
- Back pull-out design for easy servicing and repair
- Double shielded ball bearings, so no need of external lubrication
- Available in CI & Aluminium frame

APPLICATIONS : • Domestic • Irrigation • Farms • Gardens • Industry • Civil applications

SPECIFICATIONS

SMP SERIES

| | | |
|--|-----------------------------------|------------|
| Power range | 0.37 KW-0.75 KW | 0.5HP-1 HP |
| Speed | 2880 RPM | |
| Version | 1Ph - 220 - 240V; 50Hz AC Supply. | |
| Maximum total head | 30 Metre | |
| Maximum flow rate | 55 lpm | |
| Maximum suction lift | 7 metre | |
| Degree of protection | IP 44 | |
| Class of insulation | B | |
| Maximum ambient temperature | 40°C | |
| Sealing | Mechanical seal | |
| Type of duty | S1 (Continuous) | |
| Method of starting | Permanent Split Capacitor (PSC) | |
| Direction of rotation | 1Ph - Clockwise from driving end | |
| Nominal pumpset size (Suction x Delivery) | 25 x 25, 32 x 25 | |

PERFORMANCE CHART

ACM SERIES

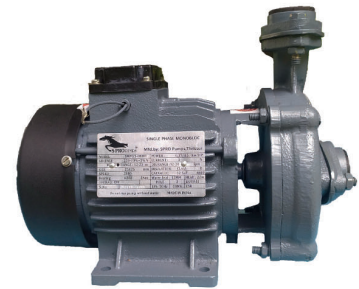
SMP SERIES

2880 RPM, At Rated Voltage - Single Phase -220 - 240 Volts;

SINGLE STAGE CENTRIFUGAL MONOBLOCK PUMPSETS

50Hz, A.C. Supply.

| Model | Body | kW | HP | Suction x Delivery in mm | M | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | | |
|--------------|------|------|------|--------------------------|-------------|----|-----|-----|-----|-----|-----|-----|----|----|-----|---|
| | | | | | | FT | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | |
| SMP0.5-OBLHS | Cl | 0.37 | 0.5 | 25x25 | L P M | * | 135 | 90 | 60 | * | * | * | * | * | * | |
| SMP0.5-OBHHS | Cl | 0.37 | 0.5 | 25x25 | | * | * | 120 | 80 | 50 | * | * | * | * | * | * |
| SMP0.75-OBS | Cl | 0.55 | 0.75 | 25X25 | | * | * | * | * | 110 | 65 | 36 | 25 | * | * | * |
| SMP0.75-OB1S | Cl | 0.55 | 0.75 | 32X25 | | * | * | * | * | 150 | 86 | 56 | 40 | * | * | * |
| SMP01-OB | Cl | 0.75 | 1 | 32X25 | | * | * | * | 300 | 250 | 200 | 140 | * | * | * | * |
| SMP01-OBS | Cl | 0.75 | 1 | 32X25 | | * | * | * | * | 200 | 130 | 100 | 75 | 60 | * | * |



In view of continuous developments, the information / performance / descriptions / specifications / illustrations mentioned in this catalogue are subject to change.



MATERIAL OF CONSTRUCTION - PUMPSET

| Part Name | Material |
|-------------------|------------------|
| Pump Casing | Cast Iron |
| Impeller | Stainless Steel |
| Front Bracket | Cast Iron |
| Motor Frame | Cast Iron |
| Back Cover | Cast Iron |
| Mechanical Seal | Carbon & Ceramic |
| Cooling Fan | NYLON |
| Cooling Fan Cover | PVC |



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