



KIRLOSKAR BROTHERS LTD.

END SUCTION SELF PRIMING NON CLOG SEMI-OPEN IMPELLER SOLID HANDLING PUMP TYPE-SP



Used In Industry Like Chemical Process, Pharma, Distilleries & Breweries, Sugar, Food Process, Cement As ETP Sewage Water Transfer, Paper & Pulp, Sewage, Sludge, Slurries
Material of Construction: Standard Supply: Impeller/ Delivery Casing : CI, Shaft : Carbon Steel, Shaft Sleeve : Bronze, **Optional Supply :** Impeller : Bronze/SS, Shaft : SS, Shaft Sleeve : SS, **Direction of Rotation:** SP3L+, SP4L+, & SP4LA+: CW rests are CCW when viewed from suction side.

| APPROX. PERFORMANCE FOR BARE SHAFT & COUPLED PUMP SET | | | | | | | | | | | | | | | | | | | |
|---|----------|---------|----------------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|------------|------|------|
| PUMP MODEL | MOTOR HP | SUCXDEL | HEAD IN METRES | | | | | | | | | | | | | | SOLID SIZE | RPM | |
| | | | 6 | 8 | 10 | 12 | 14 | 15 | 17 | 19 | 22 | 23 | 25 | 28 | 30 | 32 | | | |
| DISCHARGE IN LITRES PER MINUTE | | | | | | | | | | | | | | | | | | | |
| SP0 | 1 | 40X40 | 4.7 | 4.3 | 3.8 | 3.0 | 1.9 | 1.2 | | | | | | | | | 7 | 2850 | |
| SP1H | 2 | 40X40 | | | 6.0 | 5.3 | 4.4 | 4.0 | 2.8 | 0.9 | | | | | | | 8.5 | 2870 | |
| SP2H | 3 | 50X50 | | | 9.0 | 8.5 | 7.8 | 7.3 | 6.5 | 5.4 | 3.4 | 2.6 | 0.8 | | | | 10.5 | 2870 | |
| SP3A | 5 | 80X80 | | | | | | | | | 9.9 | 8.6 | 8.0 | 6.6 | 4.3 | 2.4 | 7 | 2860 | |
| SP3 | 7.5 | 80X80 | | | | | | | | | | 15.9 | 15.5 | 14.2 | 11.7 | 9.4 | 7.1 | 14.5 | 2920 |
| SP3L+ | 5 | 80X80 | | | 17.3 | 15.4 | 12.2 | 10.4 | 6.0 | | | | | | | | 15.5 | 1450 | |
| SP4LA+ | 10 | 100X100 | | | 35.5 | 33.5 | 30.8 | 29.5 | 26.5 | 23.3 | 17.0 | 14.0 | | | | | 18.5 | 1455 | |
| SP4L+ | 12.5 | 100X100 | | | 41.0 | 39.0 | 36.0 | 34.7 | 31.5 | 27.5 | 21.0 | 18.6 | 12.5 | | | | 23.0 | 1440 | |
| SP6LA+ | 20 | 150X150 | | | 66.3 | 63.4 | 59.8 | 57.5 | 52.0 | 45.5 | 34.2 | 29.5 | | | | | 34 | 1470 | |
| SP6L | 25 | 150X150 | | | 75.0 | 72.5 | 68.7 | 66.2 | 61.3 | 55.5 | 45.0 | 39.5 | 27.5 | | | | 40.0 | 1475 | |

| APPROX. PERFORMANCE FOR MONOBLOCK PUMP SET 50HZ 1/3PHASE FOR SP0M REST ALL 3 PHASE | | | | | | | | | | | | | | | | | | |
|--|----------|---------|----------------|-----|------|------|------|-----|-----|-----|-----|-----|--|--|--|--|------------|------|
| PUMP MODEL | MOTOR HP | SUCXDEL | HEAD IN METRES | | | | | | | | | | | | | | SOLID SIZE | RPM |
| | | | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | | | | | | |
| DISCHARGE IN LITRES PER MINUTE | | | | | | | | | | | | | | | | | | |
| SP0M | 1 | 40X40 | 4.4 | 3.9 | 3.2 | 2.3 | 1.5 | | | | | | | | | | 7 | 2850 |
| SP1HM | 2 | 40X40 | | | 5.7 | 5.1 | 4.2 | 3.1 | 1.5 | | | | | | | | 8.5 | 2870 |
| SP2HM | 3 | 50X50 | | | 8.7 | 8.2 | 7.5 | 6.6 | 5.5 | 4.3 | 3.0 | 1.1 | | | | | 10.5 | 2870 |
| SP3LM+ | 5 | 80X80 | | | 17.4 | 15.4 | 12.5 | 8.1 | 3.5 | | | | | | | | 15.5 | 1450 |

| APPROX. PERFORMANCE FOR SP SERIES WITH ENGINE COUPLED PUMP SET | | | | | | | | | | | | | | | | | | |
|--|-----------|---------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--|------------|------|
| PUMP MODEL | ENGINE HP | SUCXDEL | HEAD IN METRES | | | | | | | | | | | | | | SOLID SIZE | RPM |
| | | | 10 | 12 | 14 | 15 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | 26 | 28 | | | |
| DISCHARGE IN LITRES PER MINUTE | | | | | | | | | | | | | | | | | | |
| SP3L+ | 6 | 80X80 | 17.7 | 15.6 | 14.0 | 12.5 | 8.5 | 6.0 | 3.5 | | | | | | | | 15.5 | 1500 |
| SP3L+ | 12 | 80X80 | | | | 22.5 | 20.7 | 19.9 | 19.0 | 16.7 | 13.7 | 12.0 | 10.1 | 6.0 | | | 15.5 | 1800 |
| SP4LA+ | 12 | 100X100 | | 36.3 | 33.9 | 32.5 | 31.2 | 28.2 | 26.6 | 25.0 | 21.5 | 17.1 | 14.5 | 11.5 | | | 18.5 | 1500 |
| SP4L+ | 14 | 100X100 | | 41.2 | 39.1 | 38.0 | 36.5 | 33.9 | 32.0 | 30.5 | 26.4 | 21.5 | 18.5 | 16.0 | 9.9 | | 23 | 1500 |
| SP6LA+ | 22 | 150X150 | | 68.0 | 66.1 | 63.0 | 62.0 | 59.0 | 53.5 | 51.7 | 48.0 | 41.0 | 32.8 | 28.4 | 22.5 | | 34 | 1500 |
| SP6L | 26 | 150X150 | | 77.5 | 75.0 | 72.0 | 71.0 | 68.0 | 63.0 | 62.0 | 57.0 | 51.0 | 42.5 | 38.8 | 32.5 | | 40 | 1500 |

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