

AF SERIES SUBMERSIBLE SEWAGE / WASTEWATER PUMPS

AF-1430 · AF-1440 · AF-1650 · AF-1660

SPECIFICATIONS

| Item | Description |
|-----------------------|----------------------------------|
| Limits of Use | Liquid Temp. 0-40°C(32-104°F) |
| | Applications Wastewater · Sewage |
| Type | Frequency 50Hz |
| | Motor EPN1000rpm · Dry Motor |
| | Insulation Class H |
| | Protection IP68 |
| | Protector MTS & MS |
| | Bearing Ball type |
| | M.seal Double M.seals |
| Material | Impeller Channel |
| | Upper Cover FC200 |
| | Motor Frame FC200 |
| | Shaft SUS420J2 |
| | M.seal S/C/SIC · SIC/SIC |
| | Casing FC200 |
| | Impeller FC200 |
| Cable PNCT or H07RN-F | |
| Optional - | |



AF-1430 · AF-1440
AF-1650 · AF-1660 (GRS)



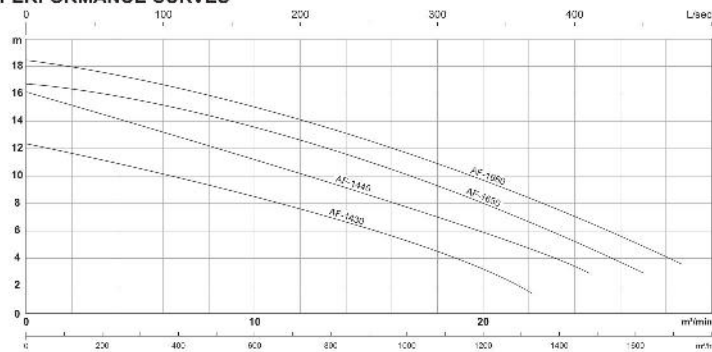
Channel Impeller



AF-1430 · AF-1440
AF-1650 · AF-1660 (Standard)

| Model | Power HP(kW) | Discharge inch(mm) | Standard | | MAX | | Solid Passage mm(inch) | Weight(W/O Cable) | | Phase | Full load Ampere | | | | | | | | | |
|---------|--------------|--------------------|---------------------|-------------------|---------------------|-------------------|------------------------|-------------------|------------|-------|------------------|------|------|------|------|------|------|---|---|---|
| | | | m ³ /min | m ³ /h | m ³ /min | m ³ /h | | 10-kg(lbs) | 30-kg(lbs) | | 220V | 230V | 230V | 380V | 400V | 415V | 525V | | | |
| AF-1430 | 30(22) | 14"(353) | 8.5-14 | 6.5-940 | 12-24 | 12-1440 | 120(4.724") | - | 628(1325) | - | - | - | - | - | - | - | - | - | - | - |
| AF-1440 | 40(30) | 14"(353) | 8.5-14 | 6.5-940 | 15.5-26 | 15.5-1660 | 170(4.334") | - | 833(1836) | - | - | - | - | 66.0 | 66.1 | 60.4 | 45.6 | - | - | - |
| AF-1650 | 50(37) | 16"(400) | 7.5-20 | 7.5-1200 | 16.5-29 | 16.5-1740 | 170(4.334") | - | 966(2127) | - | - | - | - | 80.2 | 79.1 | 73.4 | 50.2 | - | - | - |
| AF-1660 | 60(45) | 16"(400) | 9-20 | 9-1200 | 18-31 | 18-1860 | 120(4.724") | - | 970(2138) | - | - | - | - | 60.5 | 62.2 | 65.8 | 70.2 | - | - | - |

PERFORMANCE CURVES



| Model | Power HP(kW) | Discharge inch(mm) | Q _m m ³ /min Q _m m ³ /h | H _m | | | | | | | | | | | | | | | | | |
|---------|--------------|--------------------|--|----------------|------|------|------|-----|-----|----|----|------|----------------------|------|------|------|------|------|------|-----|-----|
| | | | | 2 | 4 | 6 | 8 | 10 | 15 | 20 | 25 | 1500 | Q _L L/sec | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 450 |
| AF-1430 | 30(22) | 14"(353) | 11.7 / 10.9 | 10.2 | 9.4 | 8.5 | 6.2 | 5.2 | - | - | - | - | - | 11.3 | 10.2 | 7.9 | 7.6 | 6.2 | 4.6 | 2.5 | - |
| AF-1440 | 40(30) | 14"(353) | 15.2 / 14.2 | 13.2 | 12.2 | 11.2 | 8.6 | 5.9 | - | - | - | - | - | 14.7 | 13.2 | 11.7 | 10.2 | 8.6 | 7.0 | 5.4 | - |
| AF-1650 | 50(37) | 16"(400) | 16.4 / 15.8 | 15.2 | 14.4 | 13.6 | 11.1 | 8.0 | 4.8 | - | - | - | - | 16.1 | 15.2 | 14.0 | 12.6 | 11.1 | 9.3 | 7.4 | 3.0 |
| AF-1660 | 60(45) | 16"(400) | 18.0 / 17.3 | 16.7 | 15.9 | 15.0 | 12.6 | 9.8 | 8.4 | - | - | - | - | 17.6 | 16.7 | 15.5 | 14.2 | 12.6 | 11.0 | 9.1 | 4.9 |