# 8、Motor Data sheets- Chemical Waste Water Pump

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|---|---|---|
| 1. Name of motor | - | Motor Of Chemical Waste Water Pump |
| 2. Manufacturer | - | SIEMENS |
| 3. Country of origin | - | China |
| 4. Type/machine code | - | 1LE0001-1CA03-3GA4-Z |
| 5. Applied standard (characteristics) | - | IEC |
| 6. Ratings | | |
| (1) Rated output | kW | 5.5 |
| (2) Service factor | - | 1.0 |
| (3) Number of pole | - | 2P |
| (4) Rated speed | rpm | 2930 |
| (5) Rated voltage | V | 380 |
| (6) Number of phases | | 3 |
| (7) Rated frequency | Hz | 50 |
| (8) Insulation class | - | F |
| (9) Temperature rise | - | B |
| (10) Rated duty | | S1 |
| 7. Service Conditions | | |
| (1) Starting method | - | DOL |
| (2) Direction of rotation (viewed from DE) | - | C.W. |
| (3) Reverse rotation (Yes / No) | - | NO |
| (4) Location (Indoor / Outdoor) | | Indoor |
| (5) Enclosure IP rating | - | |
| (a) Motor frame | - | IP55 |
| (b) Terminal boxes | - | IP55 |
| (6) Installation (Horizontal / Vertical) | °C | Horizontal |
| (7) Design ambient temperature | - | 40 |
| (8) Explosion proof (Required / Not required) | | No |
| (9) Noise level (at full-load condition) | dB (A) | 66 |
| 8. Characteristics | | |
| (1) Current | | |
| (a) Normal current | A | 11 |
| (b) No-load current | A | - |

| | | |
|---|---|---|
| (c) Starting current | A | 82.5 |
| (2) Torque | | 17.9 |
| (a) Starting torque | | 39.38 |
| (b) Maximum torque | | 51.91 |
| (3) Slip at rated output | % | - |
| (4) Efficiencies | | |
| (a) At 100% load | % | 87 |
| (b) At 75% load | % | - |
| (c) At 50% load | % | - |
| (d) At 25% load | % | - |
| (5) Power factor | | |
| (a) At rated load | % | 87 |
| (b) At starting load | % | - |
| (6) GD2 coupled with driven equipment | kg-m2 | - |
| (7) Starting time with driven equipment | s | |
| (8) Allowable number of starts | | |
| (a) From cold condition per hour | - | 3 |
| (b) From hot condition per hour | - | 2 |
| (c) Minimum time between 2 starts (running state) | min | 10 |
| (d) Minimum time between 2 starts (stop state) | min | 30 |
| (9) Allowable locked-rotor time | | |
| (a) At cold condition | s | - |
| (b) At hot condition | s | - |
| 9. Constructions | | - |
| (1) Stator winding connection (Wye / Delta) | | |
| (2) Type of bearing (DE / NDE) | - | Delta |
| (3) Lubricants | - | 6208 2RZ C3/6208 2RZ C3 |
| (a) Recommended lubricant and brand name | | - |
| (b) Pouring method | - | - |
| (c) Quantity of lubricant for initial filling | - | - |
| (d) Recommended interval for recharging | - | - |
| (e) Recharging quantity | - | - |
| (f) Location of pouring | - | - |
| (indicated in the outline drawing) | - | - |
| (4) Bearing cooling water requirement (if required) | | NO |
| (a) Quantity | - | - |
| (b) Inlet water temperature | - | - |
| (c) Required cooling water pressure | - | - |
| (d) Type of cooling water | | |

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|---|---|---|
| (5) Water to air heat exchanger (if applied) | | NO |
| (a) Quantity of cooling water | h | - |
| (b) Inlet water temperature | g | - |
| (c) Required cooling water pressure | | - |
| (d) Type of cooling water | W | - |
| (6) Space heater (AC 220V 1 phase) | kg | 150 |
| (7) Weight | | |
| 10. Attached document numbers | | |
| (1) Motor outline drawing | - | - |
| (2) Terminal box drawings | - | - |
| (a) For main power | - | - |
| (b) For instruments | - | - |
| (c) For space heater | - | - |
| (3) Current transformers (for MV motors only) | | |
| (a) Characteristics curves | - | - |
| (b) Outline drawing | - | - |
| (4) Efficiency curves | - | |
| (5) Thermal capability curves | | - |
| (a) At cold condition | - | - |
| (b) At hot condition | - | - |
| (6) Starting and speed torque characteristics at 80%, 90% and 100% voltage | - | - |