

LIGHT HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMP MANUAL INSTRUCTION

Application

Mainly applicable for conveying of industrial liquid, such as mineral water, soft water, pure water, clean oil and circulation and boosting for other weak chemical - industrial medium.

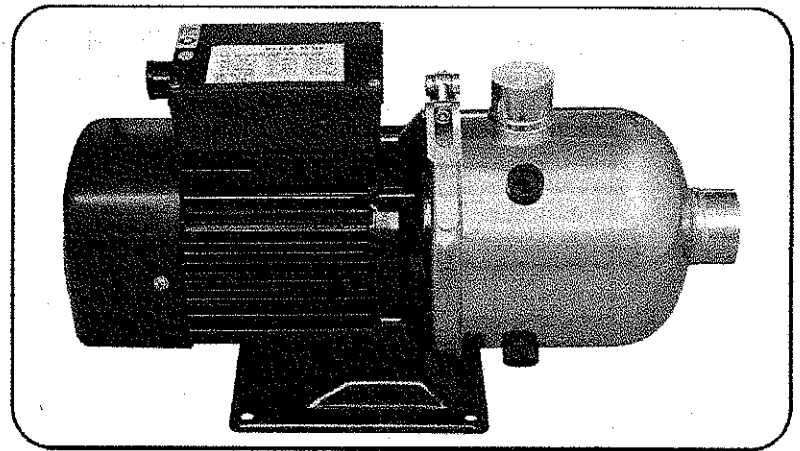
- Water treatment processes
- Industrial cleaner and dishwasher
- Water boosting on process
- Heating and cooling for industrial process
- Air-conditioning system
- Air freshening, heater device(soft water)
- Water supply and boosting(drinking water, light chlorine water)
- Fertilization/metering system

Working conditions

- Diluted, clean, non-flammable, and non-explosive
- liquid without solid grain or fibers ;
- Liquid temperature : ambient temperature -15°C ~70°C, hotwater less than 105°C;
- Max.environmental temperature: 50°C
- Max. operating pressure: 10 bar
- Max. suction pressure is limited by max. Operating pressure

Motor

- 2-pole induction motor;
- three-phase: 380~415V/50Hz
- Single-phase: 220~240V/50Hz
- Single-phase with input thermal protector
- Insulation class: F
- Protection: IP55
- Continuous duty

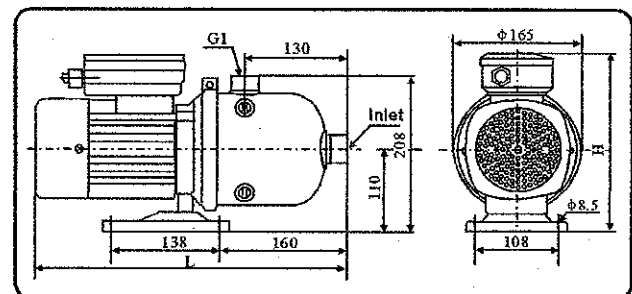


Connotation of the type

SSCH 2(4)- 50

Light horizontal multistage centrifugal pump
 Rated flow m³/h
 Number of stepsx10

Contour dimension and weight



| Model | Size(mm) | | | | Inlet | Weight (kg) |
|----------|--------------|-----|-------------|-----|-------|-------------|
| | Single-phase | | Three-phase | | | |
| | L | H | L | H | | |
| SSCH2-20 | 400 | 230 | 400 | 210 | G1 | 9 |
| SSCH2-30 | 400 | 230 | 400 | 210 | G1 | 9.5 |
| SSCH2-40 | 400 | 230 | 400 | 210 | G1 | 10 |
| SSCH2-50 | 400 | 230 | 400 | 210 | G1 | 10 |
| SSCH2-60 | 400 | 230 | 400 | 210 | G1 | 10.5 |
| SSCH4-20 | 400 | 230 | 400 | 210 | G1½ | 10 |
| SSCH4-30 | 400 | 230 | 400 | 210 | G1½ | 11 |
| SSCH4-40 | 400 | 230 | 400 | 210 | G1½ | 11.5 |
| SSCH4-50 | 400 | 230 | 400 | 210 | G1½ | 12 |
| SSCH4-60 | 400 | 230 | 400 | 210 | G1½ | 12.5 |

Performance table

| | Driving motor P ₂ (kW) | Q (m ³ /h) | H (m) | | | | | | |
|----------|--------------------------------------|--------------------------|-------|-----|-----|-----|-----|-----|--|
| | | | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | |
| SSCH2-20 | 0.37 | | 18 | 16 | 14 | 13 | 11 | 10 | |
| SSCH2-30 | 0.37 | | 27 | 24 | 21 | 20 | 17 | 14 | |
| SSCH2-40 | 0.55 | | 35 | 32 | 28 | 26 | 23 | 17 | |
| SSCH2-50 | 0.55 | | 43 | 40 | 35 | 33 | 28 | 22 | |
| SSCH2-60 | 0.75 | | 50 | 48 | 42 | 38 | 32 | 25 | |

| Model | Driving motor P ₂ (kW) | Q (m ³ /h) | H (m) | | | | | | |
|----------|--------------------------------------|--------------------------|-------|-----|-----|-----|-----|-----|--|
| | | | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | |
| SSCH4-20 | 0.55 | | 18 | 16 | 15 | 13 | 10 | 7 | |
| SSCH4-30 | 0.75 | | 27 | 25 | 22 | 19 | 15 | 10 | |
| SSCH4-40 | 0.75 | | 36 | 33 | 30 | 26 | 20 | 14 | |
| SSCH4-50 | 1.0 | | 44 | 41 | 38 | 32 | 26 | 20 | |
| SSCH4-60 | 1.1 | | 53 | 50 | 45 | 40 | 33 | 24 | |

Performance curve resource:

Performance curve are based on the following

1. Performance based on actual speed of standard motor.
2. Carrying on test by 20°C water without air.
3. Curve are suitable for delivering liquid
($\nu = 1\text{mm}^2/\text{s}$, $\rho = 1\text{g}/\text{cm}^3$).
4. The black curve are recommended performance, the small ones are only for reference.
5. Make sure pumps running not less than min-flow, to protect from burning due to growing heating.

! This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Performance curve

