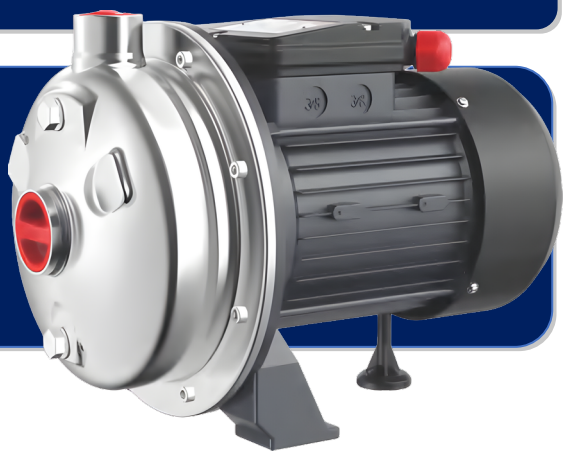
# CENTRIFUGAL PUMPS “HCT-S”



## TECHNICAL FEATURES

- Suitable for clean water and liquids that are not chemically aggressive to the pump materials.
- Reliable and easy to use: widely used in domestic and civil applications such as water distribution with small and medium-sized pressure sets, liquid transfer, and the irrigation of gardens and allotments.
- Install in an enclosed area, or at least sheltered from bad weather.

## MOTOR

- Two-pole induction motor (n = 2850 rpm)
- Insulation class B; protection IP44
- Continuous service S1
- Thermal protector on single-phase versions
- Single-phase 220 V / 50 Hz (60 Hz on request)
- Three-phase 380 V / 50 Hz (60 Hz on request)

## WORKING CONDITION

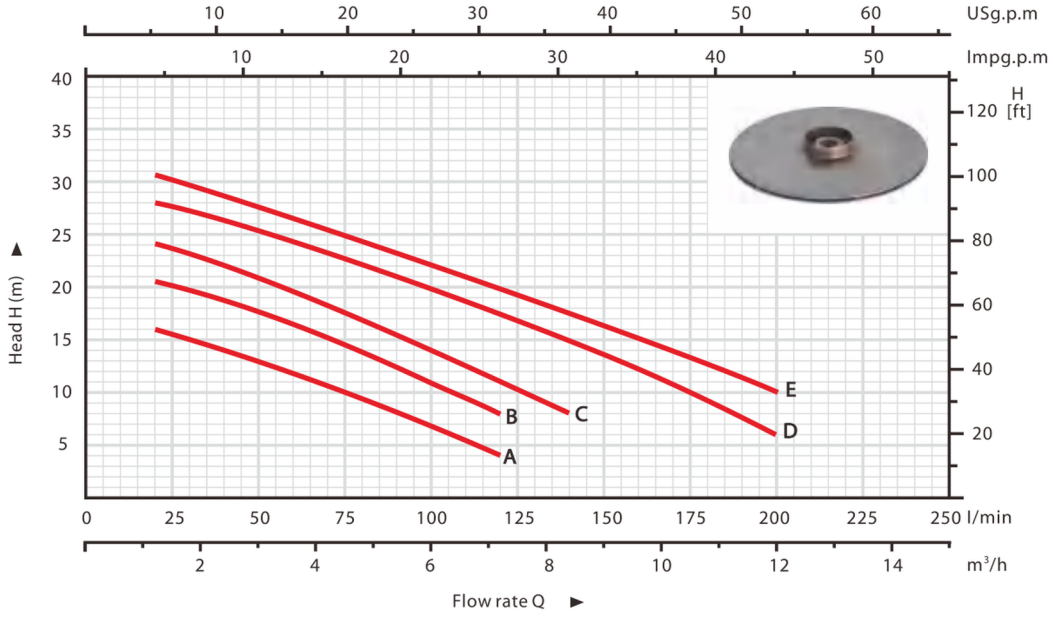
- Liquid temperature up to 60 °C
- Ambient temperature up to 40 °C
- Total suction lift up to 8 m

## MATERIALS

| COMPONENT | CONSTRUCTION |
|---|---|
| Pump body | AISI 304 SS |
| Pump support | Aluminium |
| Motor housing | Aluminium |
| Impeller | AISI 304 SS |
| Motor shaft | AISI 304 SS |
| Mechanical seal | Ceramic / Graphite |

# CENTRIFUGAL PUMPS “HCT-S”

## PERFORMANCE CHART AT n = 2850 RPM




| NO. | MODEL | POWER kW | POWER HP | Q (m³/h) | 0 | 1.2 | 2.4 | 3.6 | 4.8 | 6 | 7.2 | 8.4 | 9.6 | 10.8 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Q (l/min) | 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 |
| A | HCT-18S | 0.37 | 0.5 | H (m) | 18 | 16 | 14 | 12 | 9.5 | 7 | 4 | | | | |
| B | HCT-20S | 0.55 | 0.75 | H (m) | 22 | 20.5 | 19 | 17 | 14 | 11 | 8 | | | | |
| C | HCT-26S | 0.75 | 1 | H (m) | 26 | 24 | 22 | 19.5 | 17 | 14 | 11 | 8 | | | |
| D | HCT-30S | 1.1 | 1.5 | H (m) | 30 | 28 | 26 | 24 | 22 | 20 | 18 | 15.5 | 13 | 10 | 6 |
| E | HCT-33S | 1.5 | 2 | H (m) | 33 | 31 | 29 | 27 | 25 | 23 | 21 | 19 | 16 | 13 | 9.5 |

## TECHNICAL DATA

| NO. | MODEL | INLET / OUTLET (inch) | N.W. (kg) | L × W × H (mm) |
|---|---|---|---|---|
| A | HCT-18S | 1¼" × 1" | 8 | 320 × 235 × 255 |
| B | HCT-20S | 1¼" × 1" | 9 | 320 × 235 × 255 |
| C | HCT-26S | 1¼" × 1" | 9.7 | 320 × 235 × 255 |
| D | HCT-30S | 1¼" × 1" | 16 | 390 × 263 × 280 |
| E | HCT-33S | 1¼" × 1" | 17.3 | 390 × 263 × 280 |

*Performance values at n = 2850 rpm, 50 Hz. Specifications are subject to change without notice.*