

STA-RITE®
CSM650V
 CAST IRON VORTEX SUBMERSIBLE DRAINAGE PUMP
 25mm FREE PASSAGE


CSM650V


FEATURES

- 25mm free passage.
- Vortex impeller.
- SiC / Carbon Ceramic double mechanical seal.
- Auto cut out switch.
- Thermal overload protection.
- Moisture sealed cable inlet.
- Max. head - 11m.
- Max. flow - 670lpm.

APPLICATIONS

- Disposal of mildly contaminated rain, waste and ground water such as from a pit, including dairy pit waste.
- Dewatering (clean water).
- Water treatment circulation.
- Grey water.
- Commercial ponds and fountains.

PUMP CONSTRUCTION MATERIALS

Vertical, single-stage, submersible with 25mm free passage. Cast iron vortex impeller, casing and foot with 3" BSP (female) discharge port. 304SS motor casing.

| | |
|--------------------------------|--|
| Pump casing: | Cast iron. |
| Impeller: | Cast iron. |
| Motor shaft: | 403SS. |
| Double Mechanical seal: | Silicon Carbide/ Carbon ceramic mechanical seal with oil chamber & primary lip seal. |
| IP Rating: | IP68. |

OPERATING CONDITIONS

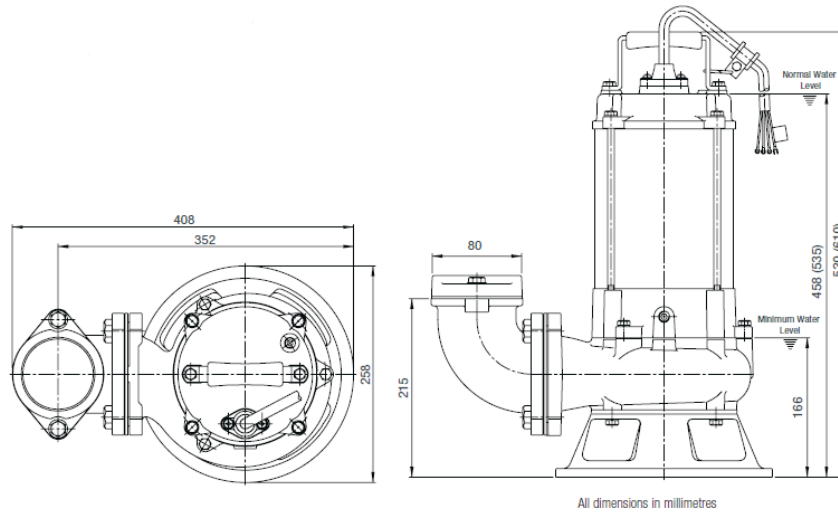
Drainage pump for the disposal of waste water, including rainwater, mildly contaminated waste and ground water containing particles up to 25mm. Install pump vertically (hose connection possible).

ELECTRICAL DATA

| Type | Type of current | Voltage $\pm 10\%$ | Frequency Hz | Motor rating kW | RPM min | Current ampere | Motor protection | Insulation class | Cable quality | Cable length |
|-----------------|-----------------|--------------------|--------------|-----------------|---------|----------------|------------------|------------------|---------------|--------------|
| | | | | P1 | | | | | | |
| CSM650VS | 1-phase | 230 | 50 | 1.5 | 2850 | 9.6 A | Auto | B | H07RN-F | 10 m |
| CSM650VT | 3-phase | 400 | 50 | 1.5 | 2850 | 3.4 A | Auto | B | H07RN-F | 10 m |

DIMENSIONS

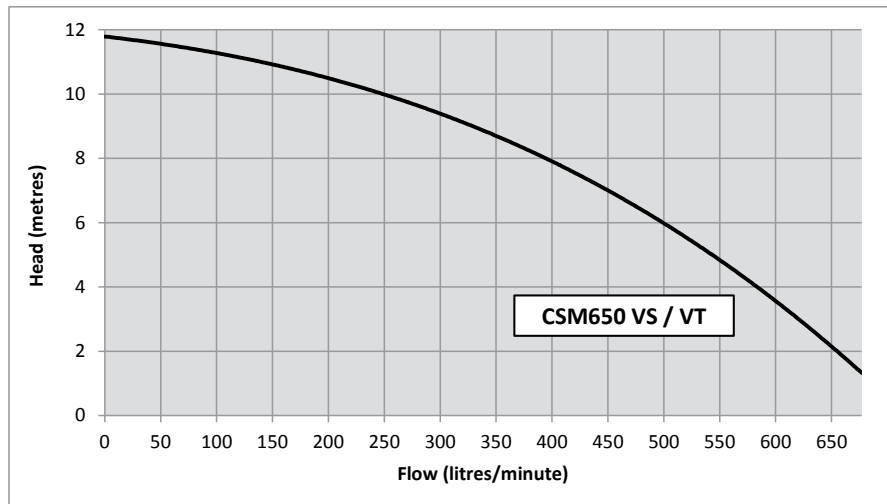
| Type | Maximum L x W x H | Weight approx. | Discharge branch | Free passage | Packed L x W x H | Packed weight | Continuous operating temperature range | Intermittent temperature maximum |
|----------------|--------------------|----------------|------------------|--------------|--------------------|---------------|--|----------------------------------|
| CSM650V | 258 x 408 x 610 mm | 38 kg | 3" BSP (female) | 25 mm | 435 x 290 x 680 mm | 46kg | 1°C - 40°C | 50°C |



Single phase height in brackets

PERFORMANCE

| Type | P/No | Delivery head [m] | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|----------------------|----------------------|--------------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CSM650VS / VT | CSM650VS / VT | Flow rate capacity [lpm] | - | 655 | 623 | 584 | 542 | 498 | 449 | 395 | 330 | 255 | 170 |



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