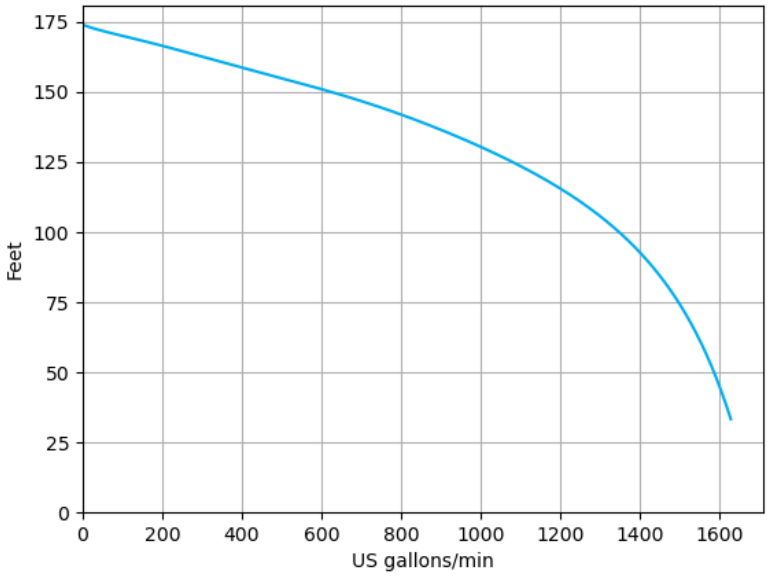
AUDEX
INDUSTRIAL DEWATERING

# AS 8-4500 TC 60Hz

## Pump Curve




## Overview

- Heavy duty cast iron submersible water pump
- High maximum submersion depth due to mechanical seal resistant to high pressure.
- Semi-open impeller made of high chrome alloy matched with ductile iron wear plate achieves superior durability.
- Effective motor cooling due to discharge channel cast as part of the motor housing.
- Thermally protected motor when used with approved control panel
- Approved control panel recommended
- Available with bare end or plug

## Applications

- Mine & quarry dewatering
- Lagoon transfer
- Washplant feed
- Reservoir & pond dewatering
- Water discharge

## About Audex

Audex are respected manufacturers of industrial submersible and vac-prime self-priming dewatering pumps. Our pumps have been specifically developed for use in the toughest and most abrasive of applications and environments. Trusted by operators of quarries, mines and recycling facilities, Audex pumps represent quality and reliability giving you superior performance and reduced downtime. Pumps that suit your application better because they have been designed with your industry in mind.

## Specification

| | |
|---|---|
| Model | AS 8-4500 TC |
| Discharge Size | 8" / 200mm |
| Volts / Phases / Hertz | 575 / 3 / 60 |
| Motor Power | 60HP / 45kW |
| Shaft Speed | 3450 RPM |
| Max Head | 175ft / 53.3m |
| Max Flow Capacity | 1638 US GPM / 6200 lpm |
| Strainer Hole Size | 25/32" / 20mm |
| Solids Passage | 25/32" / 20mm |
| Max Water Temperature | 104°F / 40°C |
| Cable Length | 66ft / 20m |
| Cable Type | Servoflex 584 |
| FLA / LRA | 56.5 / 339 |
| Recommended Generator Size | 270kW |
| Electrical Tolerance | +/- 10% V |
| Net Weight (N.W) | 1278 lbs / 580kg |
| Gross Weight (G.W) | 1388 lbs / 630kg |
| Unit Dimensions | 63.1 x 23.6 x 33.4" / 1605 x 600 x 850mm |
| Product Code | P15504 |

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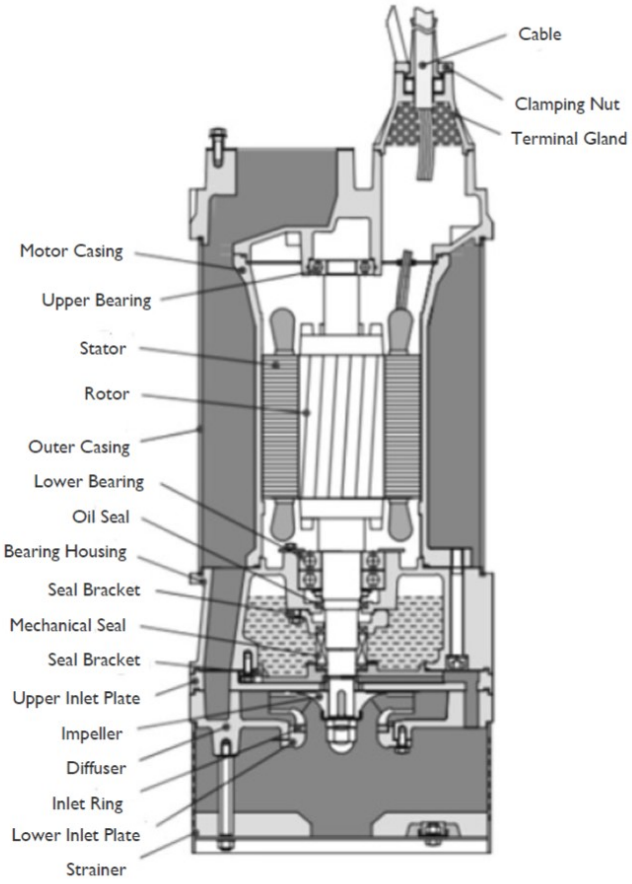


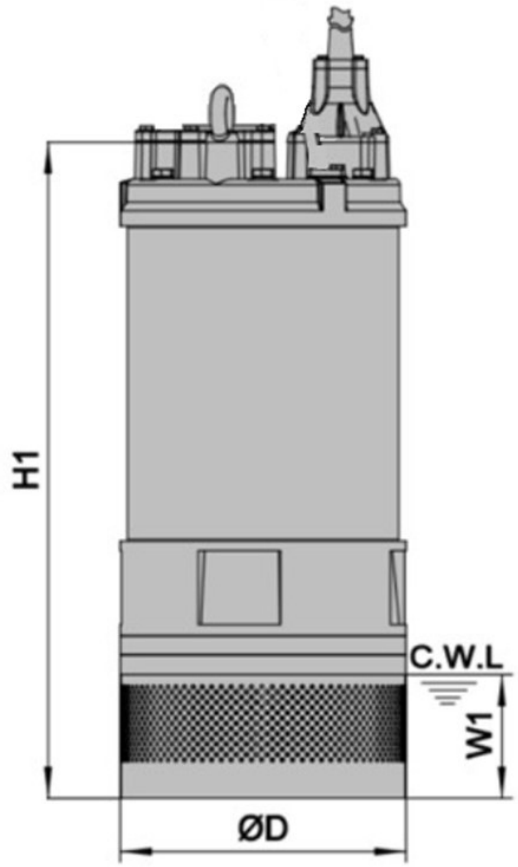


## Materials of Construction

| | |
|---|---|
| Upper cover | Cast iron |
| Motor body | Cast iron |
| Outer casing | Steel |
| Volute | Cast iron |
| Impeller | High chrome |
| Inlet plate | Ductile iron |
| Strainer | Steel |
| Shaft | 304 Stainless Steel |
| Mechanical seal | TC/SiC//SiC/SiC |

## Dimensions

| | | |
|---|---|---|
| D | 20.8" | 530mm |
| H1 | 42.2" | 1072mm |
| W1 | 7.08" | 180mm |
| N.W | 1278 lbs | 580kg |
| G.W | 1388 lbs | 630kg |
| Packing Dimensions | 63.1 x 23.6 x 33.4" | 1605 x 600 x 850mm |

C.W.L Continuous running water level