

SINGLE STAGE TRACTOR PUMP WITH OVERGEAR T3-100AE

rovatti pompe

T3-100AE-TW

APPLICATION

Horizontal single stage centrifugal pump with an axial inlet and a radially adjustable outlet. The Rovatti range of PTO tractor driven pumps can deliver flowrates of up to 170 m³/h and pressures of up to 115 m. This Rovatti pump includes the exclusive Rovatti Twinner System[®], which allows easy operation on the gland packing box, without having to remove the pump's shaft support. Stainless steel screws that allow easy disassembling, control and stuffing-box replacement procedures even after several operation hours. The applications of the Rovatti PTO pumps include irrigation, liquid transfer, firefighting systems and filling of dams and reservoirs. This range of Rovatti PTO pumps are often mounted on a trailer and connected to the PTO shaft of a tractor with the use of a Carden shaft.



OPERATING DATA SPECIFICATION

- Fluid: Pure water
- Type of installation: Single head pump

PUMP OPERATING DATA

- Impeller ø: 224 mm

COUPLING

- Gear ratio: - 5.85
- PTO: - 545 1/min
- Trolley: - CT.2 – CT.3
- Cardan shaft: - R 450/100
- Three-point mounting: - A3T

USE LIMITS

- Max. running time with Q=0: 2 min
- Maximum solid contents : 40 g/m³
- Maximum pumped liquid temp: 60°C
- Maximum density: 998 kg/m³
- Maximum viscosity: 1 mm²/s

PERFORMANCES

- Temperature: 20°C
- Tolerances: ISO 9906 Grade 3B

MATERIALS

- Gear box - Cast Iron
- Pump body - Cast Iron
- Impeller - Cast Iron
- PTO shaft - Case Hardened Steel
- PTO transmission gear - Case Hardened Steel
- Shaft pinion - Case Hardened Steel
- Twinner system[®] - Stainless Steel

| TYPE | DNa | DNm | PACKAGE DIMENSION (mm) | | | TOTAL WEIGHT kg |
|-------------|-----|-----|------------------------|-----|-----|--------------------|
| | | | L | W | H | |
| T3-100AE-TW | 100 | 80 | 515 | 270 | 484 | 75 |

| DIMENSIONS (mm) | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A | B | C | D | E | F | G | H | I | L | M |
| 515 | 110 | 111 | 130 | 15 | 174 | 240 | 270 | 130 | 254 | 230 |
| a | b | Da1 | Da2 | Da3 | x | Dm1 | Dm2 | Dm3 | y | |
| 1" 3/8 | 60 | 220 | 180 | 18 | 8 | 200 | 160 | 18 | 8 | |

