

# SINGLE STAGE TRACTOR PUMP WITH OVERGEAR T1-50E

**rovatti pompe**

T1-50E-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 m<sup>3</sup>/h and pressures of up to 115 m. This Rovatti pump includes the exclusive Rovatti Twinner System<sup>®</sup>, 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: 205 mm

## USE LIMITS

- Max. running time with Q=0: 2 min
- Maximum solid contents : 40 g/m<sup>3</sup>
- Maximum pumped liquid temp: 60°C
- Maximum density: 998 kg/m<sup>3</sup>
- Maximum viscosity: 1 mm<sup>2</sup>/s

## PERFORMANCES

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

## MATERIALS

- Pump body - Cast Iron
- Impeller - Cast Iron
- PTO shaft - Case Hardened Steel
- PTO transmissio gear - Case Hardened Steel
- Shaft pinion - Case Hardened Steel
- Twinner system<sup>®</sup> - Stainless Steel

TYPE	DNa	DNm	PACKAGE DIMENSION (mm)			TOTAL WEIGHT kg
			L	W	H	
T1-50E-TW	65	50	444	210	399	46

DIMENSIONS (mm)

A	B	C	D	E	F	G	H	I	L	M
444	100	98	110	12	147	185	210	105	199	200
a	b	Da1	Da2	Da3	x	x	Dm1	Dm2	Dm3	y
G 1" 3/8	60	185	145	18	4	4	160	125	18	4

