

SINGLE STAGE CENTRIFUGAL PUMP 80-400 GG

rovatti pompe

SN4FR80-400

APPLICATION

Horizontal single stage centrifugal pump with an axial inlet and a radially adjustable outlet. The Rovatti range of centrifugal end-suction pumps can deliver flowrates of up to 500 m³/h and pressures of up to 150 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 pumps include irrigation, liquid transfer, firefighting systems and filling of dams and reservoirs.

The cast iron components in this pump are coated with Rovatti's specially developed cataphoresis coating. The Rovatti cataphoresis coating is an electrochemical coating process for cast iron components, to improve protection from weather conditions, alkali and diluted acids. Rovatti's cataphoresis treatment is characterised by a high adhesion to the surfaces and uniformity of the coating, also in the inner cavities of the component. The result is a black semi-gloss protective layer with homogenous thickness. The cataphoresis treatment produces a reduced surface friction in the hydraulic channels, improving pump efficiency and increasing driving motor life. Components treated with the Rovatti cataphoresis coating are easily removable during routine maintenance operations.



OPERATING DATA SPECIFICATION

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

PUMP OPERATING DATA

- Impeller ø: 415 mm

USE LIMITS

- Max. running time with Q=0: 2 min
- Maximum solid contents: 40 g/m³
- Maximum pumped liquid temp: 90°C
- Maximum density: 998 kg/m³
- Maximum viscosity: 1 mm²/s

PERFORMANCES

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

MATERIALS

- Pump body - Cast Iron
- Impeller - Cast Iron + Cataphoresis
- Wear ring - Cast Iron
- Bearing support - Cast Iron
- Support - Cast Iron
- Twinner system® - Stainless Steel
- Shaft - Stainless Steel
- Shaft protection bushing - Chromed Stainless Steel

TYPE	DNa	DNm	PACKAGE DIMENSION (mm)			TOTAL WEIGHT
			L	W	H	kg
SN4FR80-400	80	65	530	548	605	153

DIMENSIONS (mm)															
a	b1	b2	c1	f	h1	h2	h3	m3	m4	m5	m6	n3	n4	s1	e
125	264	284	22	530	250	355	272	340	250	90	90	250	200	19	110
w	d	l	u	t	1	2	3	Da1	Da2	Da3	Dm1	Dm2	Dm3	x	y
65	42	110	12	45	G 3/8"	G 3/8"	G 3/8"	200	160	18	185	145	18	8	4

