



HAZARDOUS-MATERIALS PUMPS

# IN EX 7-3 D-TW

Aggressive liquids

**POWERFUL**  
**RUGGED**  
**HIGHLY RELIABLE**



**KEY DATA**

Max. flow rate	<b>400</b> l/min
Power P <sub>1</sub> /P <sub>2</sub>	<b>1,0 / 0,78</b> kW
Overall weigh	<b>50</b> kg
Dimensions (L x W x H)	<b>20 x 34 x 58</b> cm
Coupling	<b>TW</b>

**01 FIELD OF APPLICATION**

In potentially explosive areas of zones 1 and 2 for aggressive liquids within the resistance limits of the materials used.

Ambient temperature	-20 °C ≤ TFM ≤ +60 °C
Liquid temperature	-20 °C ≤ TFM ≤ +40 °C
Liquid density (max.)	≤ 1,1 kg/dm <sup>3</sup>
Immersion depth (max.)	≤ 6 m

**02 FEATURES**

**03 TECHNICAL DATA**

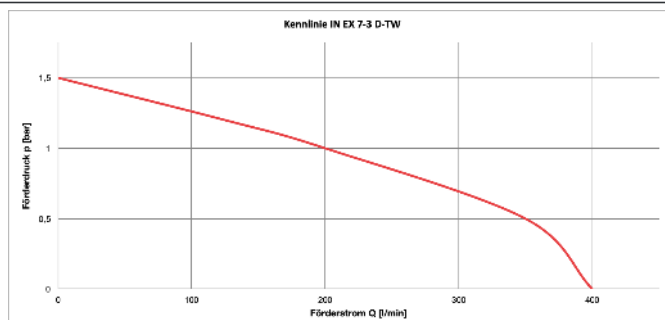
Motor	3~ 400 V three-phase · 50 Hz
Power P <sub>1</sub> /P <sub>2</sub>	1,0 / 0,78 kW
Rated Current	2,2 A
Rotational Speed	2,850 rpm
Overall weight	50 kg complete
Dimensions	L 20 x B 34 x H 58 cm
Connection size:	G 1½"
Coupling	TW
Maximum solids size	Ø 10 mm
Power supply Cable	NSS H0EU-J 4X2,5 (8 m)
Connection type	EN CEE 16 A 4-pole EEx

**04 MATERIALS**

Pump housing	Stainless steel 1.4408 (V4A)
Diffuser	Stainless steel 1.4408 (V4A)
Impeller	Stainless steel 1.4408 (V4A)
Screws	stainless steel A2
Seals	Fluoro rubber FKM (Vitron)
Shaft seal	Dual hard carbon / ceramic

**05 MAXIMUM FLOW RATE**

Q l/min	pressure (p)
400	0
350	0,5
200	1
125	1,2
0	1,5



Q MAX.  
**400**  
l/min

Maximum solids size  
**Ø 10**  
mm

Q [l/min] at pressure [p], valid for a density of 1 kg/dm<sup>3</sup> and a kinematic viscosity of 1 mm<sup>2</sup>/s.  
Capacity and efficiency guaranteed according to DIN 1944, accuracy grade III.

