



DIGGER Series

Submersible pumps for dirty water, containing large quantities of sand.

Liquid end entirely made from abrasion-resistant polyurethane technopolymer.

SPECIFICATIONS

Delivery: up to 18 m³/h

Head: up to 14 m

Maximum immersion depth: 5 m

Suspended solids: up to 6 mm diameter

Power: 0.4 kW and 0.75 kW

Power: single-phase 50Hz

Maximum temperature of liquid: +35°C

Insulation class: F (motor dry)

MATERIALS

Pump body, stator housing, shaft: stainless steel

Impeller: Polyurethane

Diffuser: Polyurethane

O-ring: NBR

Mechanical seal (dual): Silicon-carbide/Silicon-carbide + carbon/ceramic

APPLICATIONS

- Draining of building yards
- Draining of sumps not containing large suspended solids
- Industrial pumping of liquids containing abrasive substances

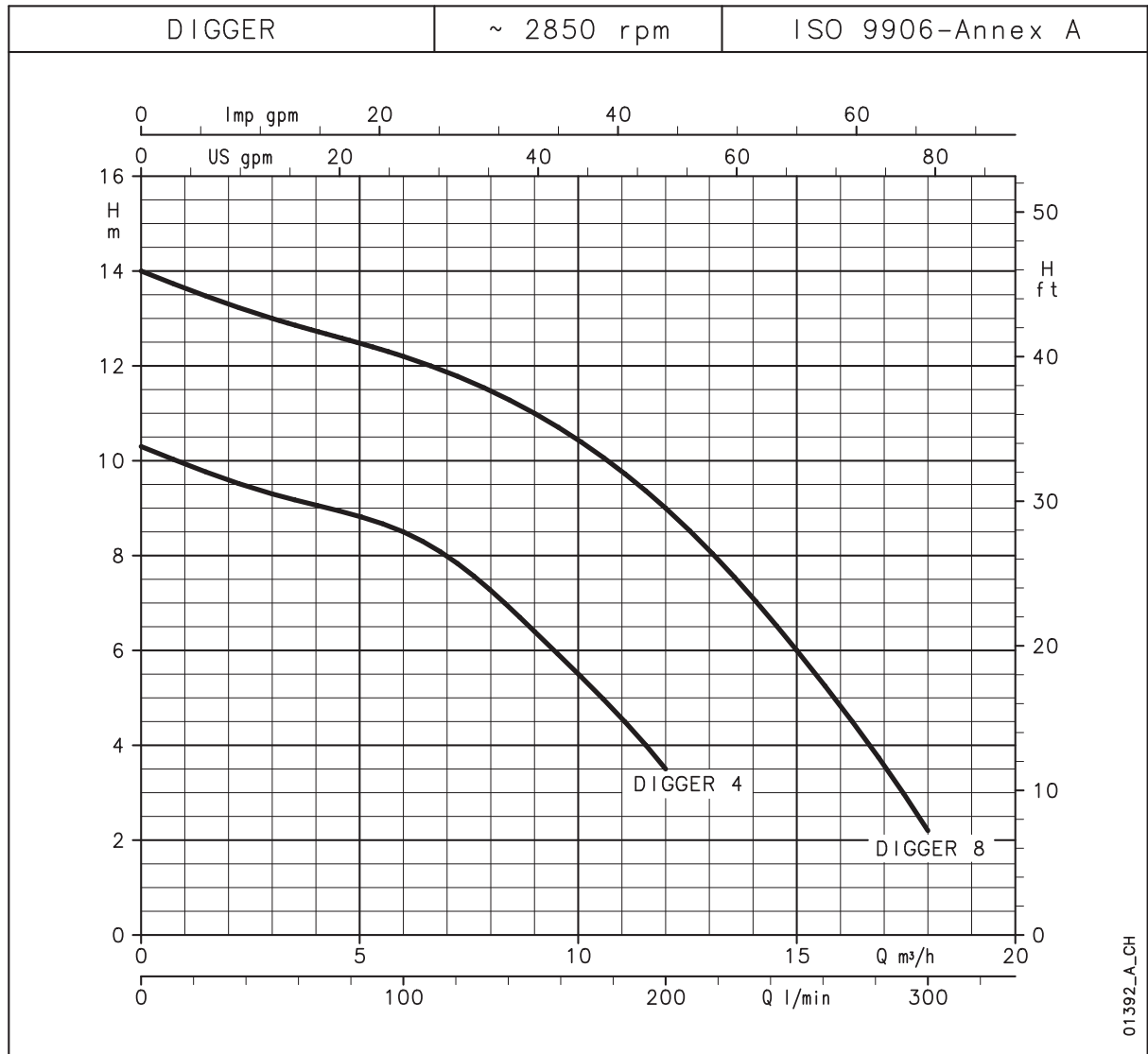


For a complete list of technical information, consult www.lowara.com

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DIGGER SERIES OPERATING CHARACTERISTICS AT 50 Hz





General Catalogue

DIGGER SERIES HYDRAULIC PERFORMANCE TABLE

PUMP TYPE	RATED POWER		Q = DELIVERY							
			l/min	0	50	100	150	200	250	300
	kW	HP	m ³ /h	0	3	6	9	12	15	18
H = TOTAL HEAD IN COLUMN OF WATER (METRES)										
DIGGER 4	0,4	0,55	10,5	9,5	8,5	6,2	3,5	1		
DIGGER 8	0,75	1	14	13	12,2	11	9	5,6	2,3	

These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.

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ELECTRICAL DATA

PUMP TYPE	INPUT POWER*	INPUT CURRENT*	CAPACITOR
SINGLE-PHASE	kW	220-240 V A	$\mu\text{F} / 450 \text{ V}$
DIGGER 4	0,77	3,4	14
DIGGER 8	1,15	5,1	22

* Maximum value in specified range.

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