



## 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 m<sup>3</sup>/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

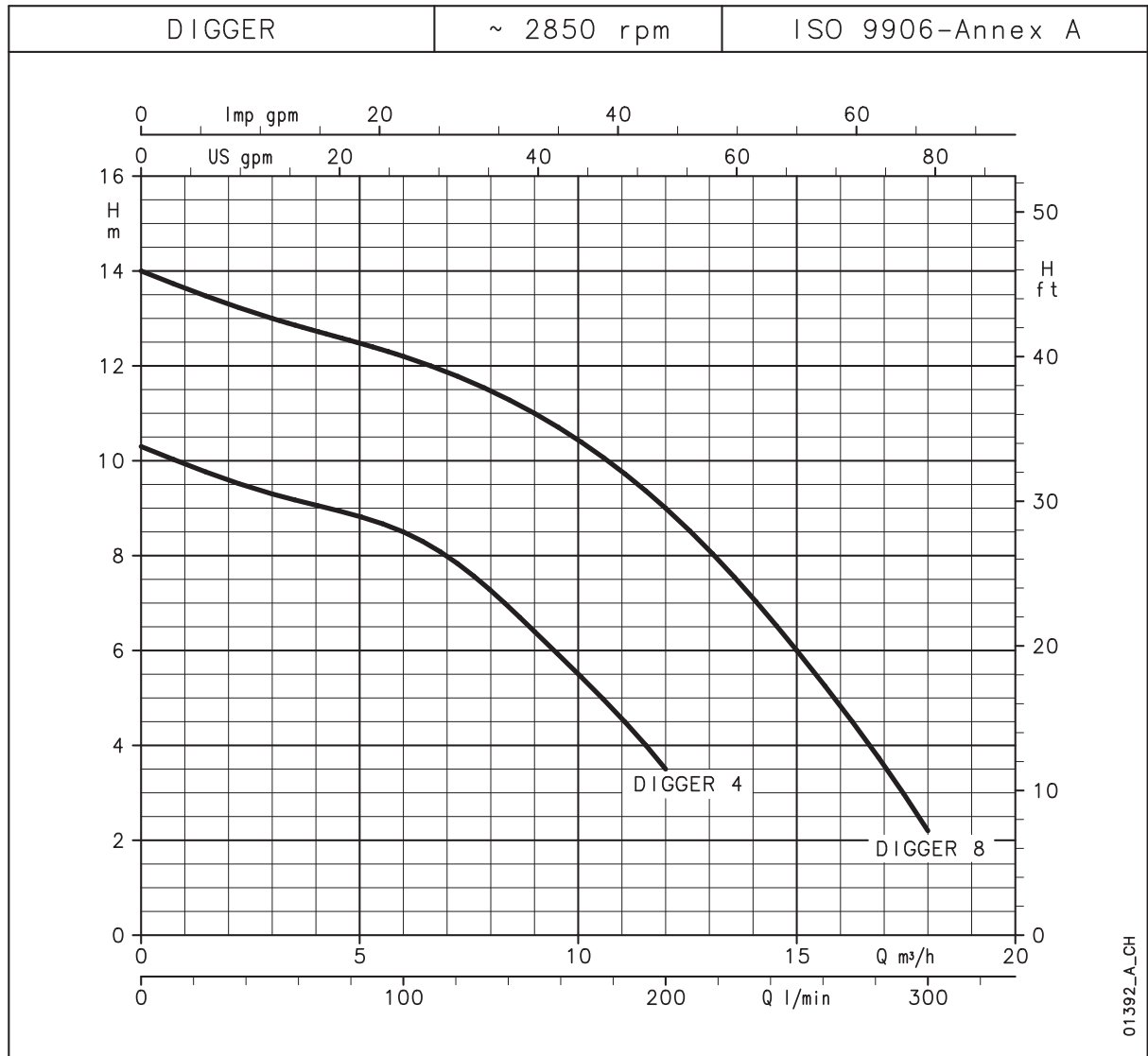


For a complete list of technical information, consult [www.lowara.com](http://www.lowara.com)

*Engineered for life*



### 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 <sup>3</sup> /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  $\nu = 1 \text{ mm}^2/\text{s}$ .

digger-2p50\_a\_th



### ELECTRICAL DATA

| PUMP TYPE    | INPUT POWER* | INPUT CURRENT* | CAPACITOR                     |
|--------------|--------------|----------------|-------------------------------|
| SINGLE-PHASE | kW           | 220-240 V<br>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.

digger-2p50\_a\_te