



## DN Series

*Submersible pumps for dirty water.  
Made in cast iron and stainless steel, with mechanical seal and open impeller with abrasion-resistant rubber coating.  
Supplied with or without float switch.*

### SPECIFICATIONS

**Delivery:** up to 17 m<sup>3</sup>/h

**Head:** up to 20 m

**Power supply:** three-phase and single-phase 50 and 60 Hz

**Power:** 0.55 kW to 0.75 kW

**Maximum immersion depth:**  
5 m

**Temperature of pumped liquid:**

0°C to +50°C (with fully submerged pump)

0°C to +25°C (with partially submerged pump)

**Liquids with suspended solids:**  
up to 5 mm

**Protection:** IP68

**Length of cable:** 5 m

### MATERIALS

**Pump body:** Cast iron

**Wear flange, motor casing,**

**suction screen:** Stainless steel

**Impeller:** Stainless steel and NBR

**Mechanical seal:** Carbon/Ceramic/NBR

**Elastomers:** NBR

**Shaft extension:** Stainless steel

### APPLICATIONS

- Emptying of drains, rain water tanks or domestic wastewater
- Emptying of wells and tanks in industrial and ecological applications
- Lawn and garden irrigation
- Emptying of tanks or reservoirs
- Emergency draining in flooded areas



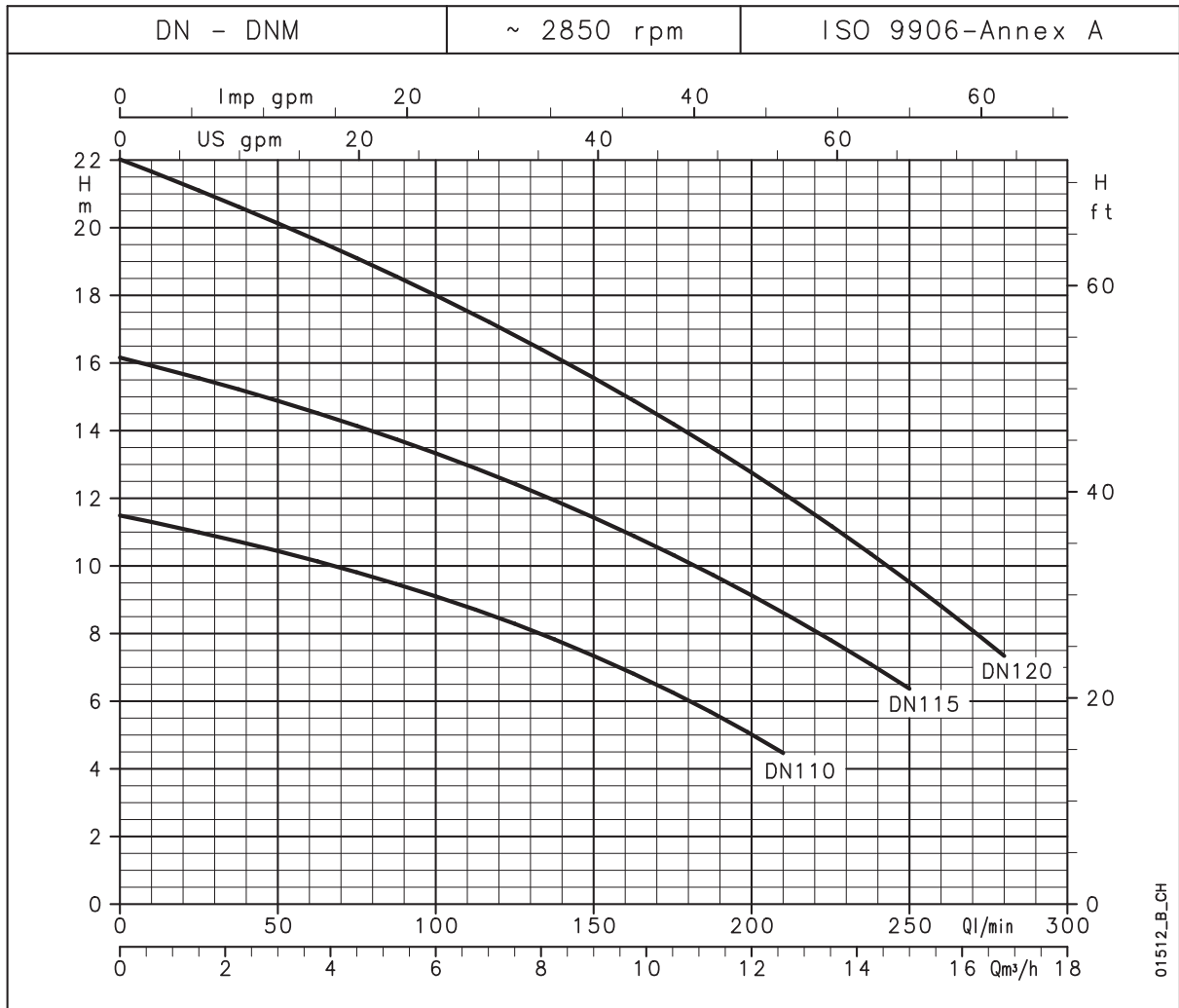
For a complete list of technical information, consult [www.lowara.com](http://www.lowara.com)

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## General Catalogue

### DN SERIES OPERATING CHARACTERISTICS AT 50 Hz





## General Catalogue

### SERIE DN HYDRAULIC PERFORMANCE TABLE

PUMP TYPE	RATED POWER		Q = DELIVERY											
			l/min	0	25	50	75	100	125	150	175	210	225	250
	HP	m <sup>3</sup> /h	0	1,5	3	4,5	6	7,5	9	10,5	12,6	13,5	15	16,8
	kW		H = TOTAL HEAD IN COLUMN OF WATER (METRES)											
DN(M) 110	0,6	0,8	11,5	11,0	10,4	9,8	9,1	8,3	7,3	6,3	4,5			
DN(M) 115	0,6	0,8	16,2	15,6	14,9	14,1	13,3	12,4	11,4	10,3	8,6	7,8	6,4	
DN(M) 120	0,75	1	22,0	21,1	20,1	19,1	18,0	16,8	15,6	14,2	12,1	11,2	9,5	7,3

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

dn-2p50\_a\_th



### ELECTRICAL DATA

PUMP TYPE	ABSORBED POWER*	ABSORBED CURRENT*	CAPACITOR
SINGLE-PHASE		220-240 V	
	kW	A	$\mu\text{F} / 450 \text{ V}$
DNM 110	0,68	3,56	25
DNM 115	0,90	4,28	25
DNM 120	1,03	4,77	25

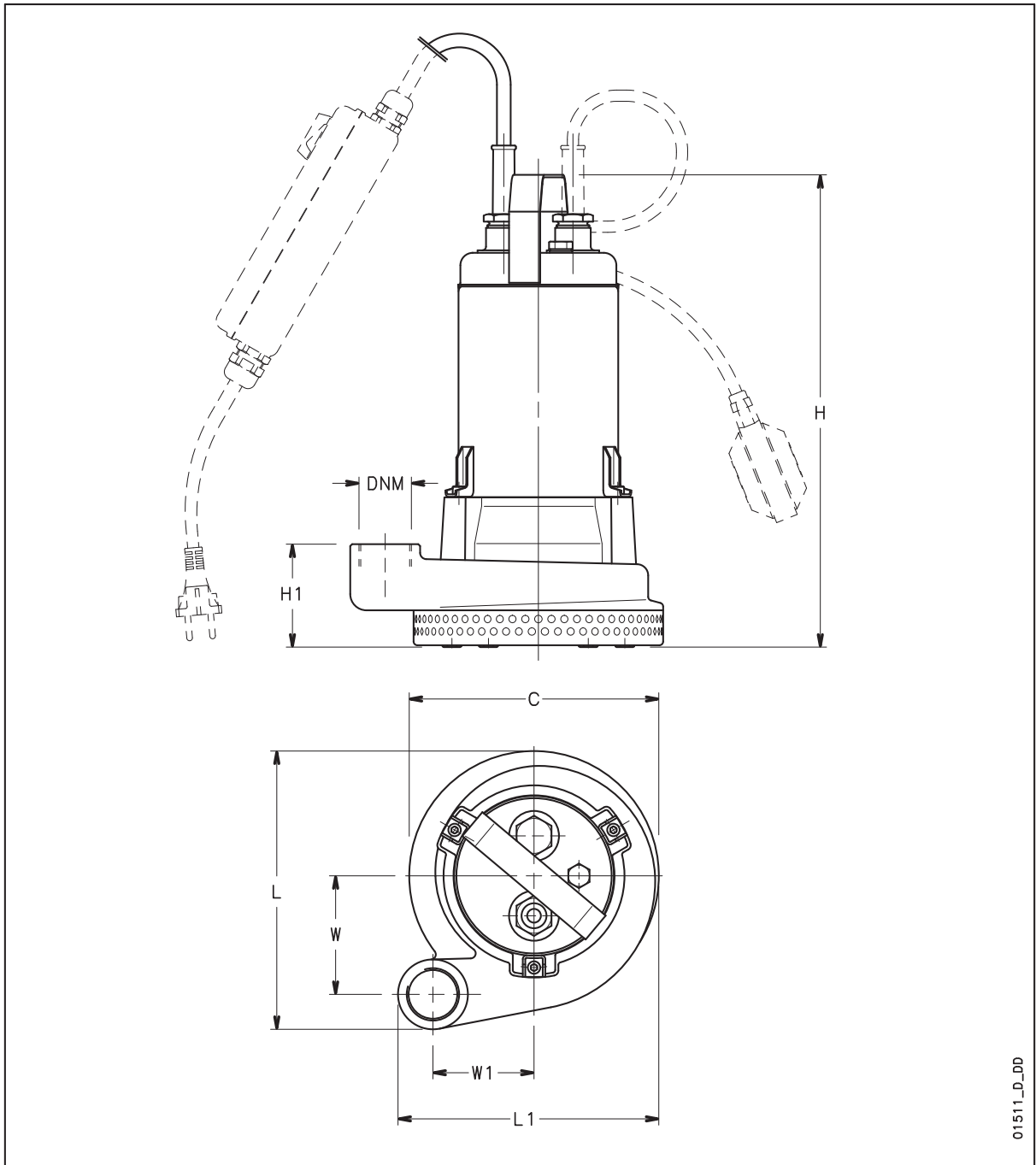
PUMP TYPE	ABSORBED POWER*	ABSORBED CURRENT*	ABSORBED CURRENT*
THREE-PHASE		220-240 V	380-415 V
	kW	A	A
DN 110	0,66	3,46	2,00
DN 115	0,93	3,81	2,20
DN 120	1,09	4,05	2,34

\*Maximum values within operating range.

dn-2p50-en\_b\_te



### DN SERIES - DIMENSIONS AND WEIGHTS



01511\_D\_DD

PUMP TYPE	DIMENSIONS (mm)							DNM	WEIGHT kg
	C	H	H1	L	L1	W	W1		
DNM110-DN110	Ø 200	380	81	223	209	95	81	Rp 1°	18,5
DNM115-DN115	Ø 200	380	81	223	209	95	81	Rp 1°	18,5
DNM120-DN120	Ø 200	380	81	223	209	95	81	Rp 1°	19,5

dn-2p50\_b\_td

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