

## Submersible Electric Pumps

### MARKET SECTORS

DOMESTIC, AGRICULTURAL, INDUSTRIAL.  
CONSTRUCTION, MUNICIPAL, MINING INDUSTRY.

### APPLICATIONS

- Handling of sewage, liquids, wastewater and industrial sludge, draining of flooded excavations and marshy ground.

## DLG Series



### SPECIFICATIONS

- **Delivery:** up to 15 m<sup>3</sup>/h.
- **Head:** up to 52 m.
- Maximum liquid **temperature:** 40 °C.
- Maximum immersion depth: 20 m.
- **Passes solids:** up to 6 mm. in diameter.
- DN 50.
- Motor with IP68 protection and class H insulation (180°C).
- Power supply: single-phase, three-phase, 50 Hz.
- **Motor power:** up to 5,1 kW.
- Maximum number of starts per hour: 20.

- Oversized motor bearings.
- 10-metre power supply cable with neoprene sheath (H07RN-F).
- Control panel for the single-phase versions without motor thermal protection.

### OPTIONAL FEATURES

- Moisture sensor in oil chamber (see electric data table).
- Motor thermal protection (see electric data table).

### CONSTRUCTION CHARACTERISTICS

- Sturdy cast iron construction.
- Open **impeller** with grinder assembly.
- Integrated stand.
- Double seal: Silicon Carbide / Silicon Carbide seal on pump side, Ceramic / Carbon on motor side, with interposed oil chamber.
- Adjustable volute bottom cover to compensate for impeller wear and ensure stable long-lasting hydraulic performances.

### ACCESSORIES / INSTALLATION

- Lowering system.
- 90° delivery elbow with hose connector.
- Threaded flange for delivery port.
- 90° threaded delivery elbow.
- Metal sheath for protection of electrical cable (up to 15 kW).
- Non-return ball valve.
- Float for solids-laden waters.
- Command and control panels.



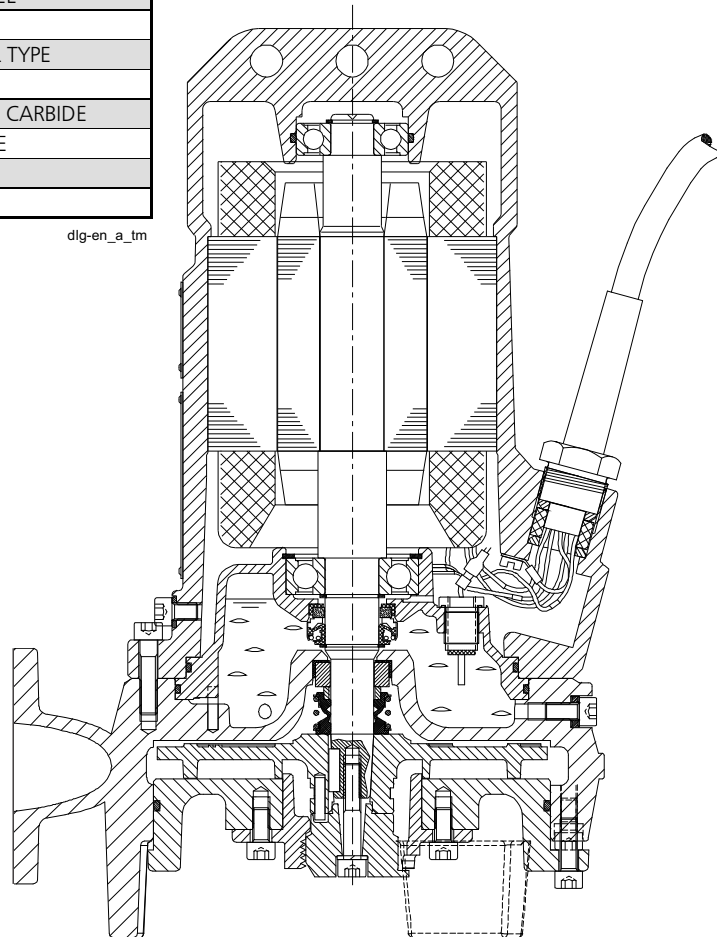
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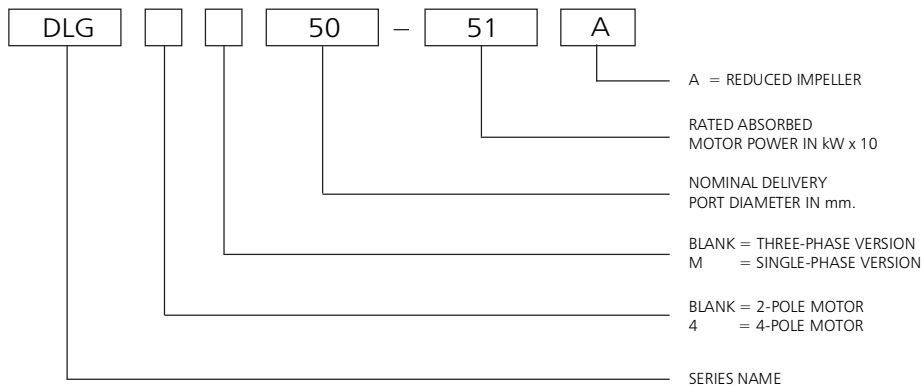
## DLG SERIES PUMP SECTION AND TABLE OF MATERIALS

PART	MATERIAL
Motor casing	GREY IRON
Seal oil chamber	
Pump body	
Impeller	SPHEROIDAL GRAPHITE CAST IRON
Grinder	HARDENED STAINLESS STEEL
Shaft	431 STAINLESS STEEL
Bearings	LIFETIME LUBRICATED BALL TYPE
Motor-side seal	CERAMIC / CARBON
Pump-side seal	SILICON CARBIDE / SILICON CARBIDE
Gaskets	NITRILE RUBBER; NEOPRENE
Bolts and screws	304 STAINLESS STEEL
Power cord	NEOPRENE

dlg-en\_a\_tm



### IDENTIFICATION CODE



EXAMPLE : DLG 50-51 A

DLG series electric pump, 2-pole version, three-phase, 50 mm nominal delivery port, 5,1 kW rated absorbed motor power, A reduced impeller.



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## DLG SERIES ELECTRICAL DATA TABLE AT 50 Hz

PUMP TYPE	min <sup>-1</sup>	P <sub>gr</sub> (P1) kW *	(P2) Nom kW ***	VOLTAGE / PHASES	CURRENT			START	ELECTRICAL CABLE TYPE	CAPACITOR 450V RUN / START μF	STATOR THERMAL PROTECT. **	WATER SENSOR IN OIL CHAMBER **
					NOMINAL I <sub>n</sub> (A)	INRUSH I <sub>sp</sub> (A)	ABSORBED I <sub>abs</sub> (A)					
DLGM 50-15 A	2900	1,2	1,1	230V/1	8,5	-	6,9	-	4G1.5	35/60	✓	✓
DLGM 50-15	2900	1,7	1,1	230V/1	8,5	-	8,5	-	4G1.5	35/60	✓	✓
DLGM 50-21 A	2900	2	1,4	230V/1	10,7	-	9,8	-	4G1.5	35/60	✓	✓
DLGM 50-21	2900	2,3	1,4	230V/1	10,7	-	10,7	-	4G1.5	35/60	✓	✓
DLG 50-15 A	2900	1,1	1,1	400V/3	2,5	17,3	2,4	DOL	4G1.5	-	✓	✓
DLG 50-15	2900	1,5	1,1	400V/3	2,5	17,3	2,5	DOL	4G1.5	-	✓	✓
DLG 50-21 A	2900	1,8	1,5	400V/3	3,4	16,6	2,9	DOL	4G1.5	-	✓	✓
DLG 50-21	2900	2,1	1,5	400V/3	3,4	16,6	3,4	DOL	4G1.5	-	✓	✓
DLG 50-28	2900	2,6	2,2	400V/3	4,5	24	4,5	DOL	4G1.5	-	✓	✓
DLG 50-35 A	2900	3	2,6	400V/3	5,6	25,6	4,8	DOL	4G1.5	-	✓	✓
DLG 50-35	2900	3,5	2,6	400V/3	5,6	25,6	5,6	DOL	4G1.5	-	✓	✓
DLG 50-51 A	2900	4,1	4	400V/3	8,5	53	6,9	YD	7G1.5	-	✓	✓
DLG 50-51	2900	4,7	4	400V/3	8,5	53	8,5	YD	7G1.5	-	✓	✓
DLG4M 50-09	1450	0,95	0,65	230V/1	4,3	-	4,3	-	4G1.5	20/40	✓	✓
DLG4 50-09	1450	0,95	0,65	400V/3	1,7	6,4	1,7	DOL	4G1.5	-	✓	✓

\* Maximum value of absorbed motor power within the operating range.

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\*\* ✓ Option available on request.

\*\*\* P2 = Rated shaft power.