



Non-Clog Sewage Pump

Single Channel in Cast Iron Type DMLF

APPLICATIONS

- Evacuation of civil and industrial waste waters
- Treating liquid manure
- Draining sub-layer zones
- Generally moving foul waste liquids also containing solid substances and/or suspended filamentary substances
- Emptying seepage water
- Moving sewage (sanitary services)
- Emptying cesspits

TECHNICAL DETAILS

- Equipped with single channel impeller

TECHNICAL DATA

- Maximum temperature of the liquid: 40°C
- Max solids size for passage : 30 mm (DMLF 1.1 kW)
40 mm
- 2 poles motor
- Insulation class H
- Protection degree IP68
- 230±10%, 50Hz single phase voltage
- Flanges: DN50, DN55, DN65
- Power up from 1.1 to 1.8 kW (DMLF)

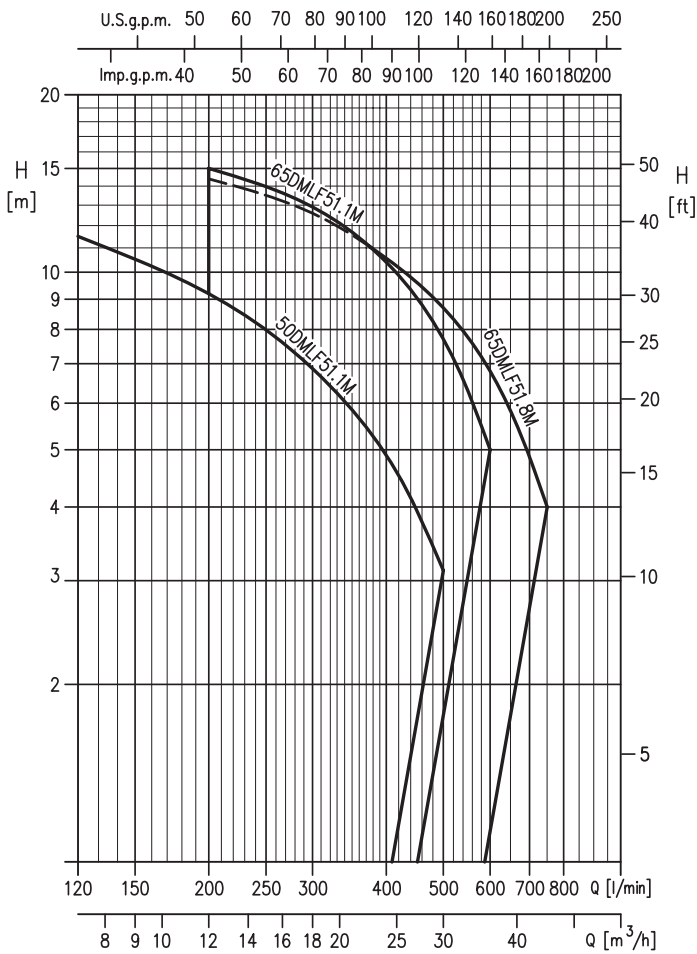
MATERIALS

- Pump body, single-channel impeller, elbow in cast iron
- Shaft in AISI 420B
- Mechanical seal : SiC/SiC/NBR (pump side)

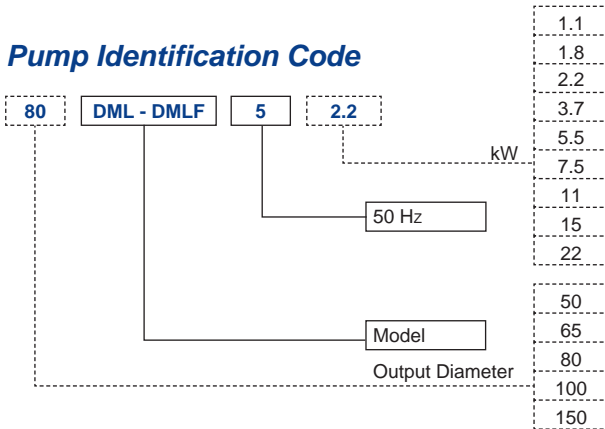


Impeller

PERFORMANCE CHART



Pump Identification Code



SPECIFICATIONS

PUMP		
Liquid	Type of liquid	Sewage
	Max Temperature [°C]	40°
Handled	Max solids size [mm]	30 (1.1 kW) 76
	Maximum Submergence [m]	20
Minimum Submergence [m]		Refer to water level (L.W.L) and usage restriction in dimensions.
Construction	Impeller	Non clog, single channel
	Shaft seal type	Oil lubricated, single spring double mechanical seal
Connection	Suction	- (50DMLF) 50 (65DMLF)
	Discharge [mm]	Flange DN 50, 65
Material	Casing	Cast iron
	Impeller	Cast iron
	Suction cover	Cast iron
	Shaft	AISI 420B
	Motor frame	Cast iron
	Fasteners	AISI 304
	Mechanical seal	SiC/SiC/NBR Impeller side Lubricant: Turbine Oil VG32 (SAE 10W/20W)
Accessories	Optional	Screwed flange square type Discharge elbow Quick discharge connector (QDC): LM, LL type
	Applicable standard of test	
	ISO 9906 Annex A	
MOTOR		
Type	Single-phase air-filled dry submersible	
No. of Poles	2	
Rotation speed [min ⁻¹]	~ 2850	
Insulation Class	H	
Protection degree	IP 68	
Power Rating [kW]	1.1 ÷ 1.8	
Frequency [Hz]	50 -5/+3 %	
Voltage [V]	230±10%	
Starting	DOL 2.2 kW	
Over load protection	Built-in motor protector	
Floating switch	Only 1.1 kW	
Cable	Material	H07RN-F
	Length [m]	10
Bearings	Permanently lubricated single row ball bearings	

* Dimensional details are provided for reference only.

* All specifications are subject to change without prior notice.



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