



EBARA

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Ahead  *Beyond*

Japanese Technology since 1912

Submersible Vortex Pumps

Model **DMLV**



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DMLV - Submersible Vortex Pumps

Specifications

- Maximum solids handling: 80 or 100 mm
- Maximum liquid temperature: 40 °C
- Maximum submergence: 8 m

Materials

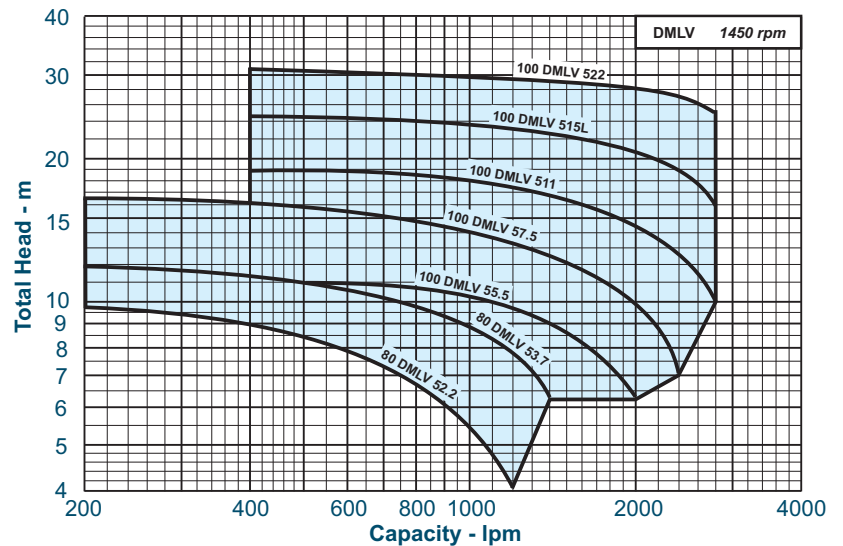
- Casing, impeller & motor frame: Cast Iron
- Shaft : 403 Stainless Steel
- Fasteners: 304 Stainless Steel
- Mechanical seal: Double mechanical seal in oil lubricated chamber, Silicon Carbide lower faces, Carbon/Ceramic upper faces.

Motor Data

- Air filled, dry submersible, 4 pole motor
- Y-ΔStar-Delta Starting (DOL for 2.2 kW only)
- Insulation class F, Ip68 protection
- 3 phase, 400 Volt, 50 Hz

Scope

- 10 m of cable(s)
- Discharge elbow with companion flange,
- Optional Quick Discharge Connectors available



Pump Model	Motor Output	Discharge Ø mm	Full Load Current @ 400 V, 3ph.	Capacity - litres/min											
				400	600	800	1000	1200	1400	1600	1800	2000	2400	2800	
				Total Head - metres (m)											
80 DMLV 52.2	2.2 kW	80 mm	5.2 A	9.0	8.0	6.8	5.6	4.0	--	--	--	--	--	--	
80 DMLV 53.7	3.7 kW	80 mm	8.4 A	11.3	10.7	9.9	9.1	8.0	6.3	--	--	--	--	--	
100 DMLV 55.5	5.5 kW	100 mm	12.6 A	--	11.1	10.7	10.1	9.8	9.1	8.3	7.4	6.3	--	--	
100 DMLV 57.5	7.5 kW	100 mm	16.9 A	--	15.3	14.9	14.3	13.7	13.0	12.0	11.0	10.0	7.0	--	
100 DMLV 511	11.0 kW	100 mm	23.8 A	--	--	18.8	18.2	17.6	16.9	16.2	15.3	14.5	12.3	10.0	
100 DMLV 515L	15.0 kW	100 mm	31.0 A	--	--	--	23.3	23.0	22.5	22.0	21.3	20.7	19.0	16.0	
100 DMLV 522	22.0 kW	100 mm	42.0 A	--	--	--	29.4	29.1	28.8	28.4	28.0	27.5	26.5	25.0	

Typical Construction

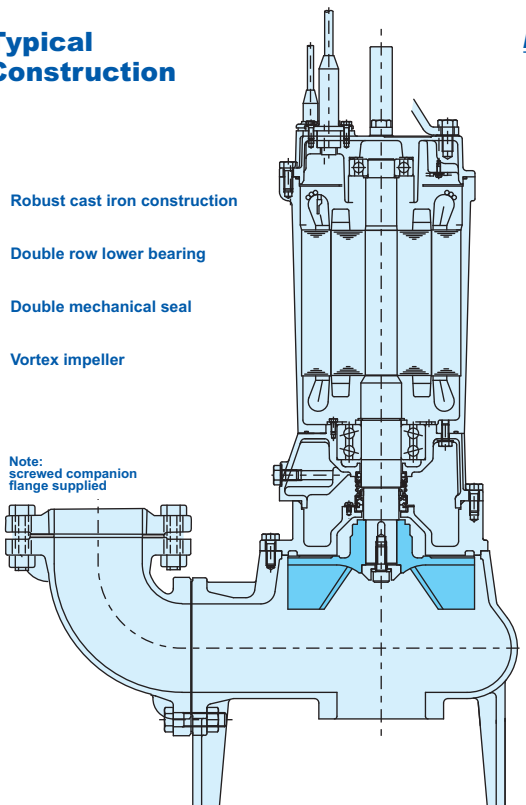
Robust cast iron construction

Double row lower bearing

Double mechanical seal

Vortex impeller

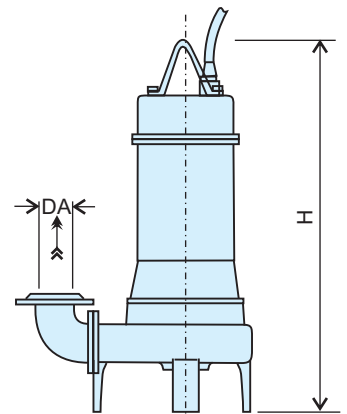
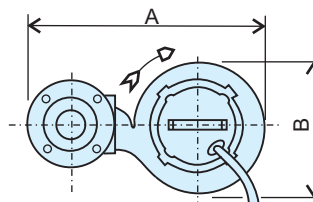
Note: screwed companion flange supplied



Model Code

100 DMLV 57.5
 Motor output (kW)
 Frequency (5 = 50 Hz)
 Model
 Discharge size (mm)

Basic Dimensions



Size DA	Model	A	B	H	Weight
80	80 DMLV 52.2	518	285	660	70 kg
	80 DMLV 53.7	518	285	721	80 kg
100	100 DMLV 55.5	584	308	860	105 kg
	100 DMLV 57.5	641	352	860	120 kg
	100 DMLV 511	641	352	970	150 kg
	100 DMLV 515L	728	426	970	180 kg
	100 DMLV 522	728	426	1045	235 kg

Dimensions in mm.

Specifications subject to change without notice

Dealer



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