



EBARA

Looking ahead,
going beyond expectations

Ahead  *Beyond*

Japanese Technology since 1912

Cast Iron Submersible Pumps

D' Series

Models DVS, DML, DMLV, DF, DS, DG



“DVS”

Submersible Semi-Vortex Pumps



double mechanical seal

A robust cast iron pump, with solids handling semi-vortex impeller, ideal for :-

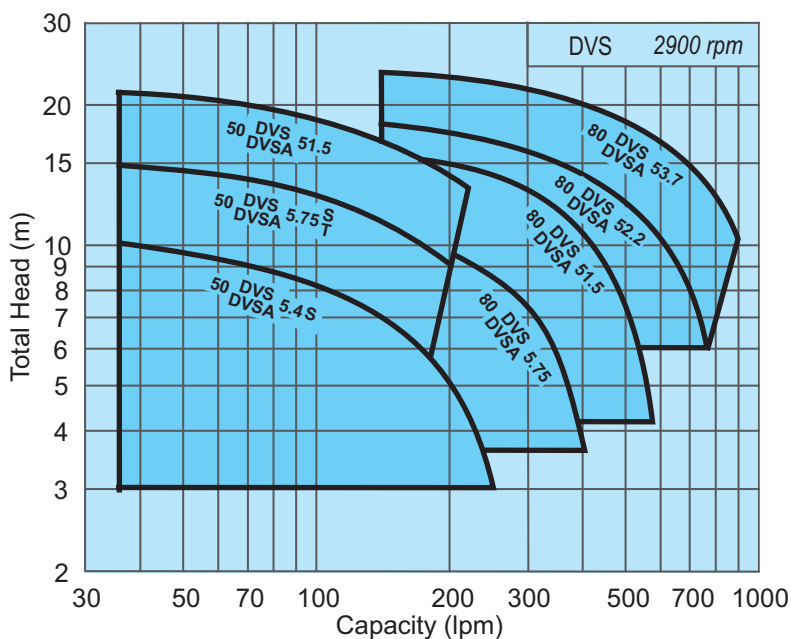
- Waste water applications with soft or fibrous material
- Dairy and piggery washdown
- Septic Effluent
- Food processing plants
- Textile and woollen mills

Motor output: 0.4 to 0.75 kW (1ph) Manual or Automatic
0.75 to 3.7 kW (3ph) Manual or Automatic

Outlet size: 50 to 80 mm Max. liquid temp: 40°C

Flow rates: 40 to 1000 lpm Max. Immersion: ^(0.4-1.5 MW) 4 m

Head: 3 to 25 m Max. solids: 32 to 56 mm[#] _{# depending on model}



“DML”

Submersible Sewage Pumps



double mechanical seal

single channel impeller

With single channel impeller and double row lower bearings, a reliable and robust pump suitable for:-

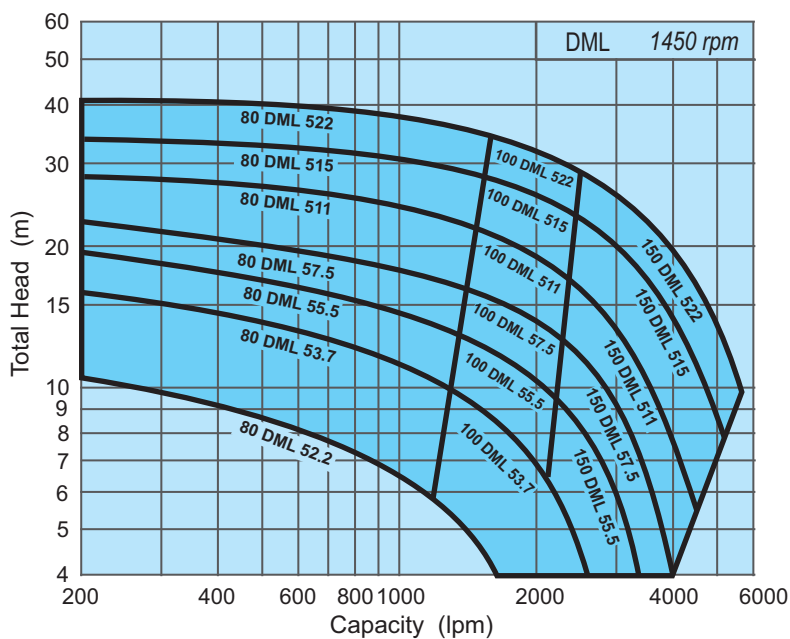
- Raw sewage
- Treated sewage
- Effluent
- Storm water
- Municipal or industrial drainage
- Fountains and water displays

Motor output: 2.2 to 22 kW (3ph) Manual only

Outlet size: 80 to 150 mm Max. liquid temp: 40°C

Flow rates: 200 to 5000 lpm Max. immersion: 8 m

Head: 4 to 40 m Max. solids: 76 mm



“DMLV”

Submersible Vortex Pumps



double mechanical seal

vortex impeller

With vortex impeller and double row lower bearings, a reliable and robust pump suitable for:-

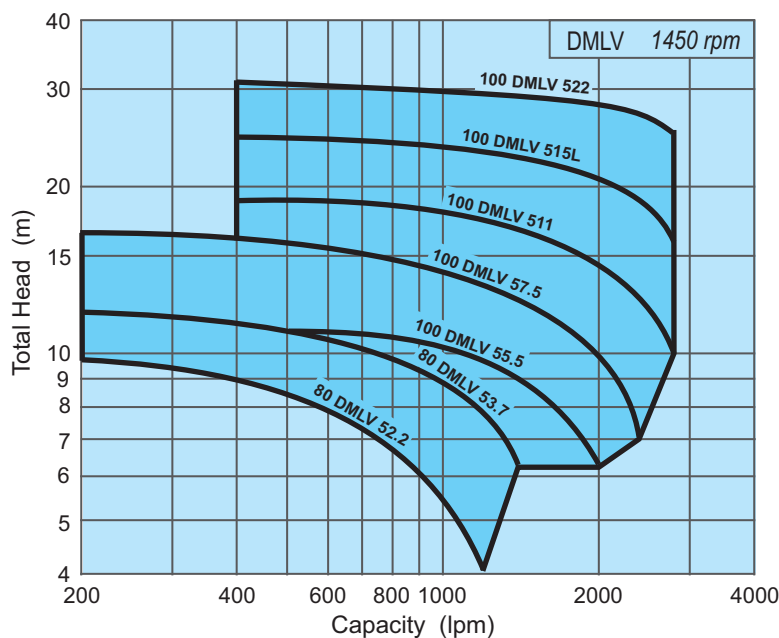
- Raw sewage
- Treated sewage
- Effluent
- Storm water
- Municipal or industrial drainage
- Waste water containing soft solids

Motor output: 2.2 to 22 kW (3ph) Manual only

Outlet size: 80 to 100 mm Max. liquid temp: 40°C

Flow rates: 200 to 2800 lpm Max. immersion: 8 m

Head: 4 to 30 m Max. solids: 80 or 100 mm



"DS"

Submersible Sump Pumps

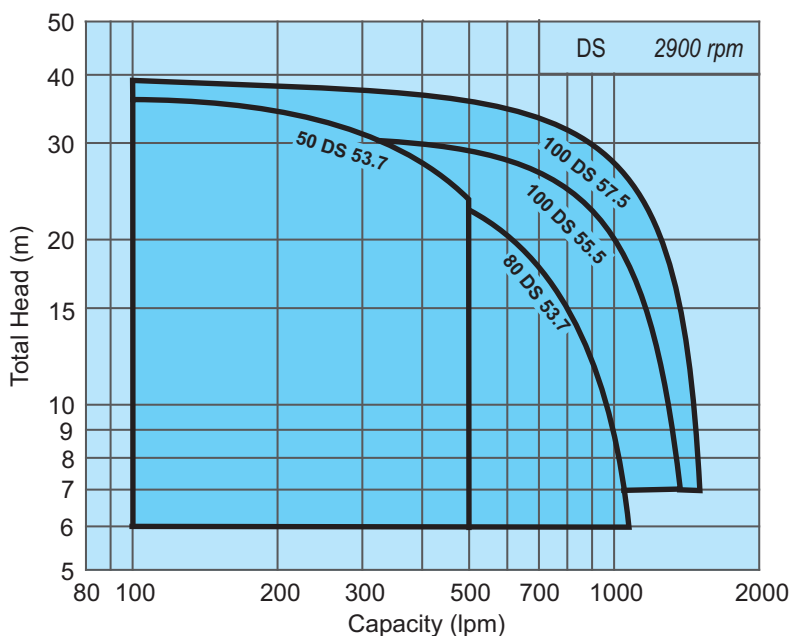


double
mechanical
seal

For reliable pumping of many sump applications, including:-

- Draining sumps, wells, tanks, lift shafts, etc.
- Fountains and other water displays • Irrigation
- Drainage • Water supply

Motor output: 3.7 to 7.5 kW (3ph) Manual only
 Outlet size: 80 to 100 mm Max. liquid temp: 40°C
 Flow rates: 100 to 1500 lpm Max. immersion: 8 m
 Head: 6 to 39 m Max. solids: 5 to 8 mm#
 # depending on model



"DF"

Submersible Sewage Pumps

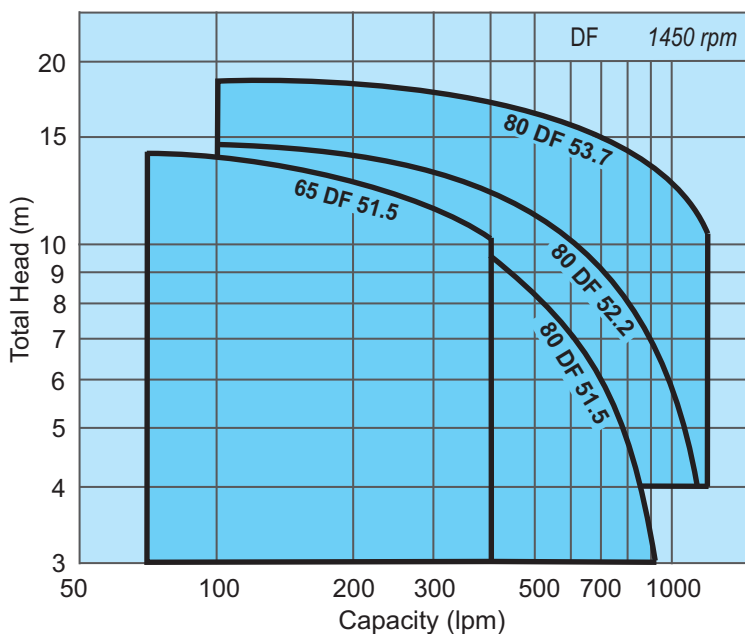


double
mechanical
seal

Robust cast iron construction with non-clog semi open impeller. Suitable for: -

- Waste water • Treated sewage • Effluent
- Storm water • Municipal or industrial drainage
- Fountains and water displays

Motor output: 1.5 to 3.7 kW (3ph) Manual only
 Outlet size: 65 to 80 mm Max. liquid temp: 40°C
 Flow rates: 100 to 1200 lpm Max. immersion: 8 m
 Head: 3 to 18 m Max. solids: 40 or 46 mm#
 # depending on model



"DG"

Submersible Grinder Pumps



double
mechanical
seal

semi vortex
impeller

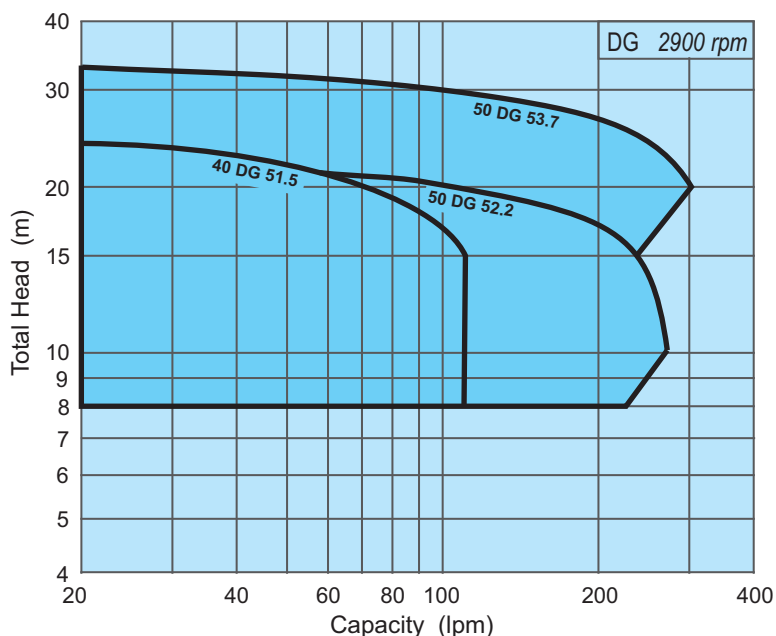


powerful
grinder
mechanism

Robust cast iron construction with powerful grinder mechanism. Suitable for: -

- Sewage • Domestic grey water

Motor output: 1.5 to 3.7 kW (3ph) Manual only
 Outlet size: 40 to 50 mm Max. liquid temp: 40°C
 Flow rates: 20 to 300 lpm Max. immersion: 8 m
 Head: 8 to 32 m





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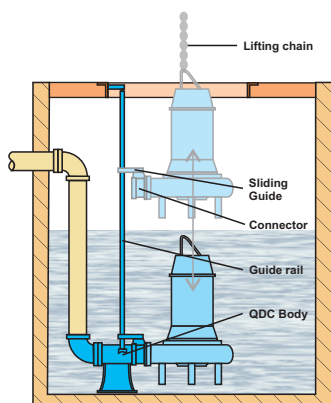
Ebara D' series Submersible Pumps

For Sump, Effluent, Waste Water and Sewage.

Robust cast iron construction with many design features

A comprehensive range of reliable, high quality submersible pumps

Quick Discharge Connectors (QDC's)
Available to suit all models



Unique vulcanised three way sealing **cable entry** prevents water entry

Motor protection either in-built overload or miniature thermal protectors.

Oil lubricated double **mechanical seals** with hard faces provide reliable shaft sealing.

All **fasteners** are made of stainless steel.

Air filled reliable copper wound **motors** with class F insulation

Ball bearings are permanently lubricated high temperature type.

Model **DVS**
Submersible
Semi- Vortex
Pump

Model **DML**
Submersible
Sewage
Pump

Model **DMLV**
Submersible
Vortex
Pump

Model **DS**
Submersible
Sump
Pump

Model **DF**
Submersible
Sewage
Pump

Model **DG**
Submersible
Grinder
Pump

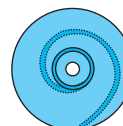
Semi-Vortex



Solids Handling
Approx. **70%** of discharge size

Model	Ø kW	50	80	80
Foreign matter Diameter (mm)	All	0.75	1.5	2.2, 3.7
Length of Fibre (mm)		150- 250	200- 320	245- 350

**Enclosed
Single Channel**



Solids Handling
Approximately **76mm** or more

Model	Ø kW	80	100	150
Free impeller Passage (mm)	All	All	All	All
		76	76	76

Vortex



Solids Handling
Approx. **100%** of discharge size

Model	Ø kW	80	100
Free impeller Passage (mm)	All	All	All
		80	100

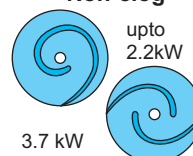
Semi- Open



Solids Handling
Approx. **10%** of discharge size

Model	Ø kW	50	80	100
Foreign matter Diameter (mm)	All	All	All	All
Length of Fibre (mm)		5	7	8
		50	50	50

**Semi-Open
Non-clog**



Solids Handling
Approx. **60%** of discharge size

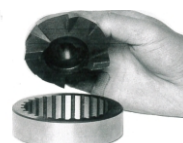
Model	Ø kW	65	80
Foreign matter Diameter (mm)	All	All	All
Length of Fibre (mm)		40	46
		195	240

"Chrysalis" shaped
suction port

Semi-Vortex



with Grinder



Specifications subject to change without notice

24/11

Dealer



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