

Waste Water  
Creating solutions  
over three decades



*Simply pump!*

# THE POWERFUL DRAINAGE & WASTE WATER PUMPS



Economical, Compact and Sturdy

Built-in stand for free flow of solids

Better Solid Handling passages to ensure clog free working

In-built temperature sensing device to prevent dry running, overloading or mechanical jamming

Choice of impellers and casing to meet various duty conditions

Available for portable installation or fixed installation (Guide rail available)

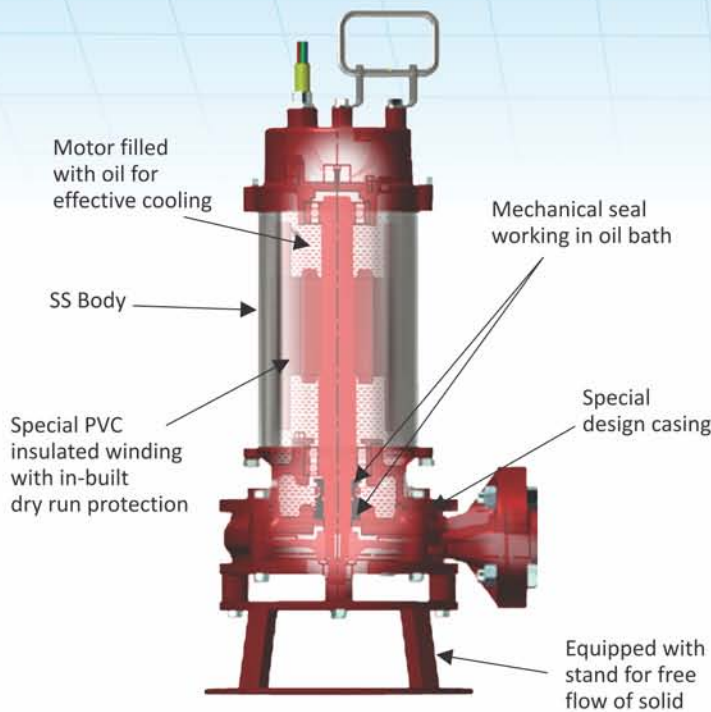
Choice of variety of MOCs

WASTE WATER SERIES PUMPS

**DARLING PUMPS**  
Pioneers in Submersible

# WW Series Pumps

WW Series Pumps are ideal for drainage water in hotels, hospitals, treated waste in ETP /STP, pressurized sewage systems, septic tank cleaning & for dewatering of waste water in housing & commercial complex, malls, hospitals hotels etc.



## DENOMINATION

Product code	WW
Installation	Portable
Impeller characteristics	Vortex / Radial

## PROCESS DATA

Liquid temperature	Max +40° C
Liquid density	Max 1100kg/m <sup>3</sup>
Suitable for liquid ph	6.5 to 8
Solid Passage	up to 40 mm

## MOTOR DATA

Submersible squirrel cage Induction motor	
Frequency	50 Hz (±3%)
Voltage variation	415 (+6/-15%)
Phase*	Three
Starting	D.O.L.

## SPEED & CURRENT

kW	Wt. (Kg)	Speed of motor(RPM)	Rated (Current)
0.75	20	2790	3.2
1	21	2800	3.5
1.5	23	2800	4.2

## MATERIALS

Casing	Cast Iron
Impeller	Cast Iron
Motor body	Stainless Steel
Shaft	Stainless Steel

## MONITORING EQUIPMENT

Thermal contacts cut off temperature +85° C

## CABLE

Heavy-duty double sheathed Submersible cable

\*Above pump can be provided in ingle phase as well.

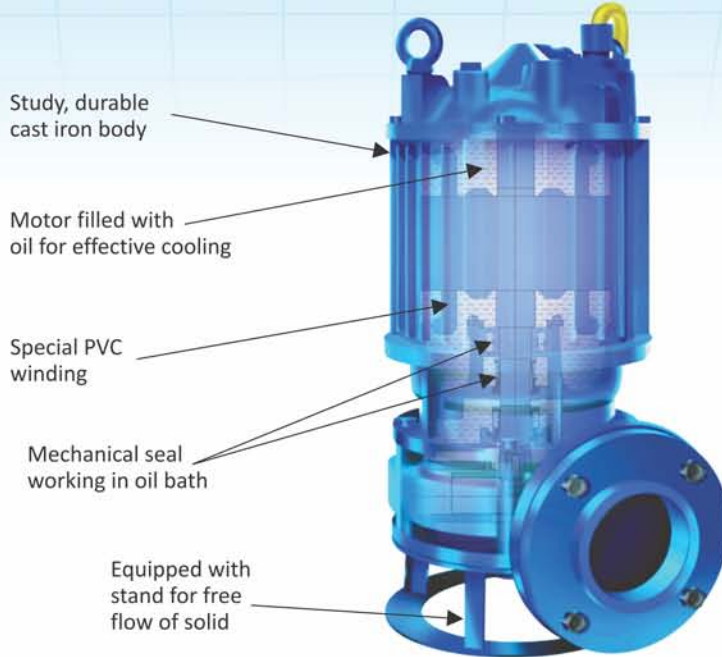
## DARLING MAKE SUBMERSIBLE WW Series Pumps

Models	kW/HP	Outlet in MM/Inch	50	100	150	200	250	300	350	--	DISCHARGE IN LPM
WW-051	0.37/0.5	40/1/2"	10.5	<b>7.5</b>	3	-	-	-	-	-	
WW-101	0.75/1	50/2"	-	12	11	<b>10</b>	<b>9</b>	<b>7.5</b>	-	-	
WW-102	0.75/1	50/2"	-	<b>14</b>	<b>12</b>	<b>10</b>	-	-	-	-	
WW-151	1/1.5	50/2"	-	13	12.5	12	<b>11</b>	<b>10</b>	<b>8.5</b>	-	HEAD IN MTRS
WW-152	1/1.5	50/2"	-	15.5	<b>14</b>	<b>12</b>	<b>9.5</b>	-	-	-	
WW-201	1.5/2	50/2"	-	14	13.5	<b>13</b>	<b>12</b>	<b>11</b>	9.5	-	
WW-202	1.5/2	50/2"	-	17	<b>15.5</b>	<b>14</b>	<b>12.5</b>	11	-	-	

- Note:**
- Above performance is at rated voltage (415 Volts), 3 phase & rated frequency (50 Hz).
  - Above performance is for specific gravity 1 and viscosity as of water.
  - Due to continuous improvements from time to time, given performance is subject to change without any prior notice.
  - Highlighted / Bold duties are best efficiency point for given pump.

# WV, WR & WP Series Pumps

WV, WR, WP are heavy duty waste water pumps, these pumps are ideal for waste water & drainage application in hotels, hospitals, treated waste in ETP /STP, pressurized sewage systems, septic tank cleaning & for dewatering of waste water in housing & commercial complex, malls, hospitals hotels etc.



## DENOMINATION

Product code	WV, WR, WP
Installation	Portable
Impeller characteristics	Vortex / Radial

## PROCESS DATA

Liquid temperature	Max +40°C
Liquid density	Max 1100 kg/m <sup>3</sup>
Suitable for liquid pH	6.5 to 8
Solid Passage	Up to 40 mm

## MOTOR DATA

Submersible squirrel cage Induction motor	
Frequency	50 Hz (±3%)
Voltage variation	415 (+6/-15%)
Phase	Three
Starting	D.O.L / Star delta

## SPEED & CURRENT

kW	Wt. (Kg)	Speed of motor(RPM)	Rated (Current)
2.2	63	2820	6.5
3.7	67	2830	9.5
5.5	120	2850	13.0
7.5	140	2850	16.0
11.2	170	2870	23.0
15	190	2880	32.0

## MATERIALS

Casing	Cast Iron
Impeller	Cast Iron
Motor body	Cast Iron
Shaft	SS 410

## MONITORING EQUIPMENT

Thermal contacts cut off temperature +85°C

## CABLE

Heavy-duty double sheathed Submersible cable

### DARLING MAKE SUBMERSIBLE WV, WR & WP SERIES PUMPS

Models	kW/HP	Outlet in MM/Inch	100	150	200	250	300	350	-	-	DISCHARGE IN LPM
WR03LM/20	2.2/3	50/2"	25	20.5	18.5	16.5	14	-	-	-	HEAD IN MTRS

Models	kW/HP	Outlet in MM/Inch	100	200	300	400	500	600	700	800	1000	DISCHARGE IN LPM
WV03LL/40	2.2/3	50/2"	14	13.5	12	10.5	9	-	-	-	-	HEAD IN MTRS
WV03D/35	2.2/3	50/2"	17	16	14.5	13.5	11.5	-	-	-	-	
WV05LL/40	3.2/5	50/2"	16	15.5	14.5	13	11	-	-	-	-	
WV05D/35	3.2/5	80/3"	21	20	19	18	16.5	15	13	-	-	
WV07E/40	5.5/7.5	100/4"	25	24	23	22	21	19	18	16	-	
WV10E/40	7.5/10	100/4"	29	28	27	26	25	24	23	21	18	
WV12E/40	9.3/12.5	100/4"	33	32	31	30	29	28	27	25	-	

Models	kW/HP	Outlet in MM/Inch	200	400	600	800	1000	1200	1400	1600	1800	DISCHARGE IN LPM
WP15E/17	11.2/15	100/4"	33	31.5	29	28	25	21	-	-	-	HEAD IN MTRS
WP20E/20	15/20	100/4"	-	-	-	29	28	27	24	22	19	

- Note:**
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  - Above performance is for specific gravity 1 and viscosity as of water.
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  - Highlighted / Bold duties are best efficiency point for given pump.

# Waste Water Pumps



## OUR COMPLETE RANGE OF PRODUCTS



### CLEAR WATER PUMPS

**Head**  
Up to 150 M

**Capacity**  
Up to 6000 LPM

**Rating**  
0.75 to 110 kW

**Suitable for:**

- Housing & commercial complex
- Sprinkler & drip irrigation
- River water pumping
- Gardening
- Water supplies in industries, hospital, hotels, cooling tower etc.
- Raw water pumping



### DEWATERING PUMPS

**Head**  
Up to 108 M

**Capacity**  
Up to 12000 LPM

**Rating**  
0.55 to 110 kW

**Suitable for:**

- Infrastructure project
- Construction sites
- Steel / power plant
- Pumping heavily contaminated water with sand & gravel
- Mines dewatering
- Micro tunneling projects



### WASTE WATER PUMPS

**Head**  
Up to 72 M

**Capacity**  
Up to 1800 LPM

**Rating**  
0.37 to 37 kW

**Suitable for:**

- Packaged STP / ETP
- Treated water
- Drainage & septic tanks waste pumping
- Industrial processes
- Pharmaceutical plant
- Waste in hotels, hospital, malls etc.



### SEWAGE EFFLUENT PUMPS

**Head**  
Up to 62 M

**Capacity**  
Up to 14000 LPM

**Rating**  
2.2 to 110 kW

**Suitable for:**

- Raw unscreened sewage.
- STP & ETP plants
- Sewage pumping station
- Boiler room
- Effluents & solvents
- Industrial waste water
- Storm & tunnel water de-watering



### SLURRY PUMPS

**Head**  
Up to 85 M

**Capacity**  
Up to 14000 LPM

**Rating**  
3.7 to 110 kW

**Suitable for:**

- AHP / CHP
- Metal processing unit
- Mineral processing unit
- Mineral mines
- Iron scale slurry
- Ceramic slurry

**Disclaimer:** On account of continuous improvements, data mentioned in this leaflet is subject to change without prior notice.



## DARLING PUMPS PVT. LTD.

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