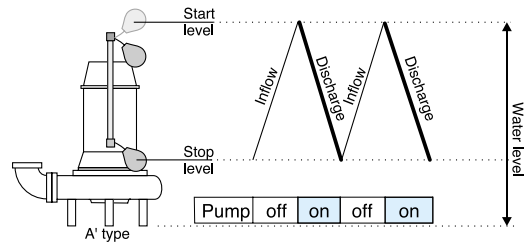


### AUTOMATIC OPERATION (A' & J' TYPE)

All models up to 3.7KW are available as automatic (A' type) or parallel alternating (J' type) pumps with inbuilt control devices and float switches. There is no need for an external control panel, and operation can begin as soon as the pumps are installed and connected to a power source.

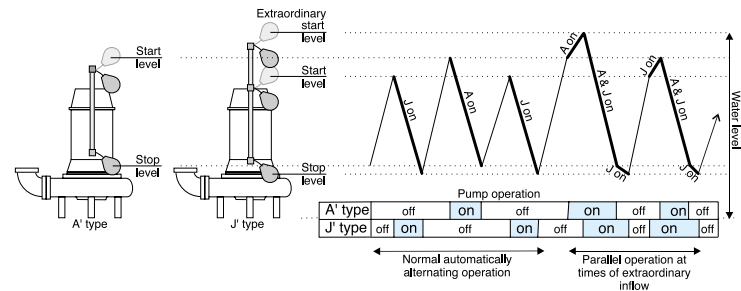
#### SINGLE PUMP INSTALLATION (A' TYPE)

A single automatic (A' type) pump is installed in the sump. The pump automatically starts when the water level in the sump reaches the "start level", and stops when the pump has lowered the water level to the "stop level".



#### DUPLEX PUMP INSTALLATION (A' & J' TYPE)

Two pumps, one A' type and one J' type are installed in the sump. In normal operating conditions, operation alternates between the two pumps. In times of extraordinary inflow (inflow is greater than the capacity of a single pump), then the two pumps will operate together in parallel operation.



# D'Series SUBMERSIBLE PUMP

Model **DS/DVS/DML/DL**

**50Hz**

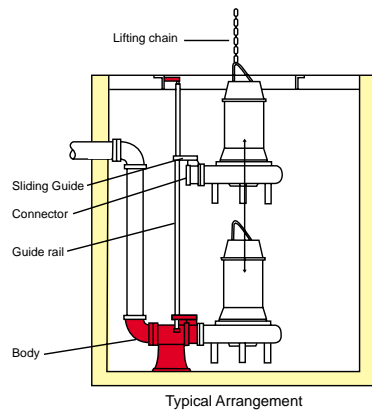
### FLOAT SWITCH

| FLOAT SWITCH        |                          |
|---------------------|--------------------------|
| Model               | EF-4                     |
| Temperature         | 0~50°C                   |
| Function of contact | Up = ON<br>Down = OFF    |
| Voltage             | AC 24V<br>DC 24 V        |
| Max Current         | AC 0.5A<br>DC 0.5A       |
| Contact Capacity    | AC 12VA<br>DC 12VA       |
| Lead Wire           | 2x0.2mm <sup>2</sup> x6m |



### QUICK DISCHARGE CONNECTION (QDC)

An optional quick discharge connector is available to suit all Ebara D'Series submersible pumps, allowing easy removal and replacement of the pumps for maintenance purposes without having to enter the sump.



EBARA Pump with QDC - Typical Arrangement

Note: All specifications subject to change without prior notice.



# EBARA D'Series SUBMERSIBLE PUMP - Quality that shows....

For Sump, Effluent, Waste water and Sewage.

A comprehensive range of Reliable, High quality Submersible pumps.

Of Robust Cast iron construction, with many design features.

## Model DS

### FEATURES

- Efficient Semi-Open Impeller.
- Strainer prevents blockages.

### APPLICATIONS

- Purification tank drainage
- Rain and spring water drainage
- Water supply

## Model DVS

### FEATURES

- Semi-Vortex Impeller offers non-clog operation and allows pumping of foreign matter up to 60-70% of discharge size.
- Easy Maintenance.

### APPLICATIONS

- Ideal for waste water applications containing soft or fibrous solids
- Industrial waste water drainage
- Septic effluent
- Miscellaneous drainage

## Model DML

### FEATURES

- Non-Clog Single channel Impeller 3" passage.
- Range of Models up to 150mm discharge.
- Dry pit is available as optional.

### APPLICATIONS

- Sewage
- Waste water

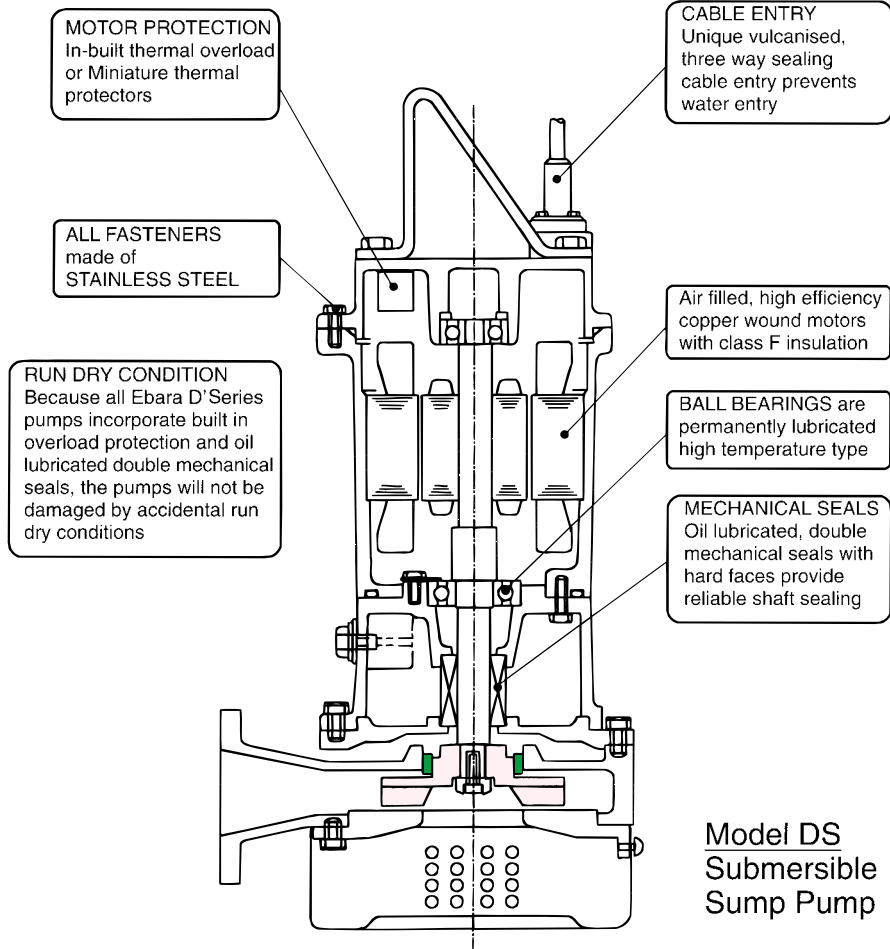
## Model DL

### FEATURES

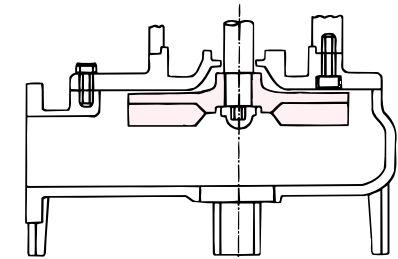
- Non-Clog Type Impellers prevents clogging by fibrous matter.
- Range of Models up to 300mm discharge size and 45kW available.

### APPLICATIONS

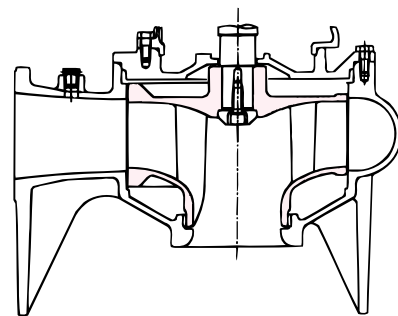
- Sewage
- Waste water



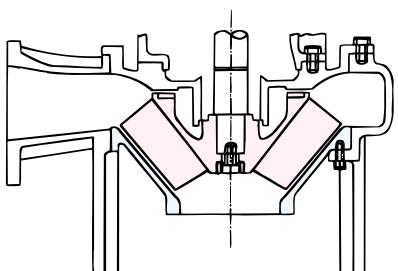
Model DS Submersible Sump Pump



Model DVS Submersible Semi-Vortex Pump

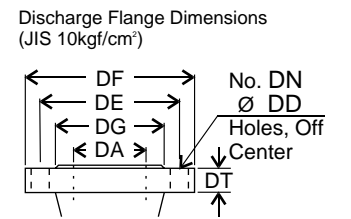
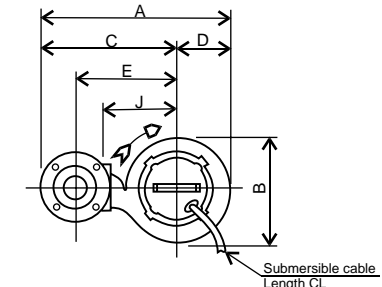
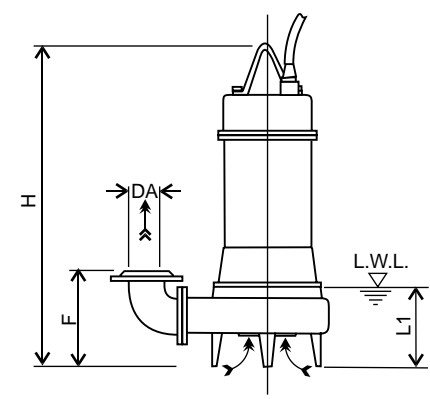


Model DML Submersible Sewage Pump



Model DL Submersible Sewage Pump

# Dimensions - DL (MANUAL WET PIT MODEL)



Note:  
1/. L.W.L. (Low Water Level) Is limited to 10 minutes operation at low water level.  
2/. Is limited to 30 minutes operation with water level below top of motor.

| DA  | DE  | DF  | DG  | DT | DN | DD |
|-----|-----|-----|-----|----|----|----|
| 65  | 150 | 175 | 116 | 18 | 4  | 15 |
| 80  | 150 | 185 | 126 | 18 | 4  | 15 |
| 100 | 175 | 210 | 151 | 20 | 8  | 15 |
| 150 | 240 | 280 | 212 | 22 | 8  | 19 |
| 200 | 290 | 330 | 262 | 26 | 12 | 23 |
| 250 | 355 | 400 | 324 | 30 | 12 | 25 |
| 300 | 400 | 445 | 368 | 32 | 16 | 25 |

| Size DA | Model        | Output kW | A    | B   | C   | D   | E   | F   | H    | J   | L1   | CL   | Weight |
|---------|--------------|-----------|------|-----|-----|-----|-----|-----|------|-----|------|------|--------|
| 65      | 65 DL 51.5   | 1.5       | 497  | 291 | 353 | 144 | 265 | 200 | 576  | 200 | 140  | 10 m | 52 kg  |
|         | 80 DL 51.5   | 1.5       | 524  | 292 | 378 | 146 | 285 | 220 | 597  | 210 | 165  | 10 m | 55 kg  |
| 80      | 80 DL 52.2   | 2.2       | 542  | 308 | 388 | 154 | 295 | 220 | 654  | 220 | 165  | 10 m | 67 kg  |
|         | 80 DL 53.7   | 3.7       | 567  | 328 | 403 | 164 | 310 | 220 | 687  | 235 | 165  | 10 m | 75 kg  |
|         | 80 DLC 55.5  | 5.5       | 618  | 379 | 428 | 190 | 335 | 307 | 753  | 260 | 205  | 10 m | 134 kg |
|         | 80 DLC 57.5  | 7.5       | 648  | 399 | 448 | 200 | 355 | 305 | 751  | 280 | 205  | 10 m | 148 kg |
|         | 100 DL 53.7  | 3.7       | 614  | 335 | 445 | 169 | 340 | 250 | 706  | 235 | 185  | 10 m | 79 kg  |
| 100     | 100 DLB 55.5 | 5.5       | 646  | 369 | 460 | 186 | 355 | 323 | 768  | 250 | 205  | 10 m | 123 kg |
|         | 100 DLC 55.5 | 5.5       | 660  | 379 | 470 | 190 | 365 | 322 | 753  | 260 | 205  | 10 m | 134 kg |
|         | 100 DLB 57.5 | 7.5       | 673  | 385 | 480 | 193 | 375 | 323 | 760  | 270 | 205  | 10 m | 141 kg |
|         | 100 DLC 57.5 | 7.5       | 690  | 399 | 490 | 200 | 385 | 320 | 751  | 280 | 205  | 10 m | 148 kg |
|         | 100 DL 511   | 11        | 701  | 402 | 500 | 201 | 395 | 323 | 859  | 290 | 205  | 10 m | 180 kg |
|         | 100 DL 515   | 15        | 741  | 441 | 520 | 221 | 415 | 330 | 954  | 310 | 205  | 10m  | 230 kg |
|         | 100 DL 518   | 18.5      | 741  | 441 | 520 | 221 | 415 | 330 | 958  | 310 | 205  | 10 m | 285 kg |
| 150     | 150 DL 55.5  | 5.5       | 750  | 398 | 550 | 200 | 410 | 381 | 799  | 280 | 245  | 10 m | 146 kg |
|         | 150 DL 57.5  | 7.5       | 780  | 418 | 570 | 210 | 430 | 377 | 784  | 300 | 245  | 10 m | 158 kg |
|         | 150 DL 511   | 11        | 810  | 438 | 590 | 220 | 450 | 377 | 883  | 320 | 245  | 10 m | 199 kg |
|         | 150 DL 515   | 15        | 810  | 438 | 590 | 220 | 450 | 377 | 972  | 320 | 245  | 10 m | 237 kg |
|         | 150 DL 518   | 18.5      | 848  | 476 | 610 | 238 | 470 | 381 | 979  | 340 | 245  | 10 m | 300 kg |
|         | 150 DL 522   | 22        | 848  | 476 | 610 | 238 | 470 | 381 | 979  | 340 | 245  | 10 m | 325 kg |
|         | 150 DL 530   | 30        | 912  | 520 | 650 | 262 | 510 | 468 | 1284 | 360 | 1080 | 10 m | 350 kg |
|         | 150 DL 537   | 37        | 912  | 520 | 650 | 262 | 510 | 468 | 1404 | 360 | 1135 | 10 m | 350 kg |
| 200     | 150 DL 545   | 45        | 912  | 520 | 650 | 262 | 510 | 468 | 1404 | 360 | 1135 | 10 m | 350 kg |
|         | 200 DL 55.5  | 5.5       | 832  | 430 | 615 | 217 | 450 | 414 | 826  | 300 | 285  | 10 m | 160 kg |
|         | 200 DL 57.5  | 7.5       | 863  | 453 | 635 | 228 | 470 | 410 | 809  | 320 | 285  | 10 m | 176 kg |
|         | 200 DL 511   | 11        | 863  | 453 | 635 | 228 | 470 | 410 | 908  | 320 | 285  | 10 m | 212 kg |
|         | 200 DL 515   | 15        | 896  | 479 | 655 | 241 | 490 | 411 | 995  | 340 | 285  | 10 m | 260 kg |
|         | 200 DL 518   | 18.5      | 932  | 512 | 675 | 257 | 510 | 415 | 1001 | 360 | 285  | 10 m | 305 kg |
|         | 200 DL 522   | 22        | 932  | 512 | 675 | 257 | 510 | 415 | 1001 | 360 | 285  | 10 m | 330 kg |
| 250     | 200 DL 530   | 30        | 937  | 520 | 675 | 262 | 510 | 483 | 1284 | 360 | 1080 | 10 m | 350 kg |
|         | 200 DL 537   | 37        | 937  | 520 | 675 | 262 | 510 | 483 | 1404 | 360 | 1135 | 10m  | 370 kg |
|         | 200 DL 545   | 45        | 937  | 520 | 675 | 262 | 510 | 483 | 1404 | 360 | 1135 | 10 m | 370 kg |
|         | 250 DL 57.5  | 7.5       | 969  | 525 | 700 | 269 | 500 | 622 | 904  | 370 | 400  | 10 m | 260 kg |
|         | 250 DL 511   | 11        | 993  | 541 | 720 | 273 | 520 | 634 | 1000 | 390 | 400  | 10 m | 320 kg |
|         | 250 DL 515   | 15        | 1007 | 549 | 730 | 277 | 530 | 646 | 1086 | 400 | 400  | 10 m | 380 kg |
| 300     | 250 DL 518   | 18.5      | 1007 | 549 | 730 | 277 | 530 | 646 | 1089 | 400 | 400  | 10 m | 420 kg |
|         | 250 DL 522   | 22        | 1007 | 549 | 730 | 277 | 530 | 646 | 1089 | 400 | 400  | 10 m | 440 kg |
|         | 250 DL 530   | 30        | 1125 | 660 | 790 | 335 | 590 | 706 | 1336 | 460 | 1132 | 10 m | 458 kg |
|         | 250 DL 537   | 37        | 1125 | 660 | 790 | 335 | 590 | 706 | 1475 | 460 | 1206 | 10 m | 522 kg |
|         | 250 DL 545   | 45        | 1125 | 660 | 790 | 335 | 590 | 706 | 1475 | 460 | 1206 | 10 m | 540 kg |
|         | 300 DL 511   | 11        | 1100 | 588 | 798 | 302 | 575 | 671 | 1050 | 420 | 450  | 10 m | 365 kg |
|         | 300 DL 515   | 15        | 1100 | 588 | 798 | 302 | 575 | 671 | 1131 | 420 | 450  | 10 m | 395 kg |
| 300     | 300 DL 518   | 18.5      | 1135 | 618 | 818 | 317 | 595 | 668 | 1131 | 440 | 450  | 10 m | 440 kg |
|         | 300 DL 522   | 22        | 1135 | 618 | 818 | 317 | 595 | 668 | 1131 | 440 | 450  | 10 m | 465 kg |
|         | 300 DL 530   | 30        | 1172 | 660 | 838 | 335 | 615 | 726 | 1336 | 460 | 1132 | 10 m | 458 kg |
|         | 300 DL 537   | 37        | 1172 | 660 | 838 | 335 | 615 | 726 | 1475 | 460 | 1206 | 10 m | 522 kg |
|         | 300 DL 545   | 45        | 1172 | 660 | 838 | 335 | 615 | 726 | 1475 | 460 | 1206 | 10 m | 540 kg |

Units: mm unless otherwise specified

# Model DL

DL

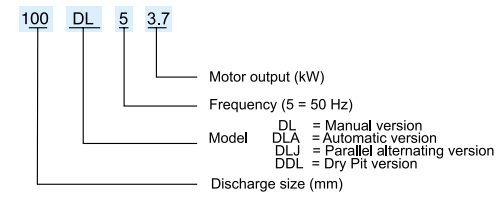
DL 30/37/45 kW

## SPECIFICATIONS

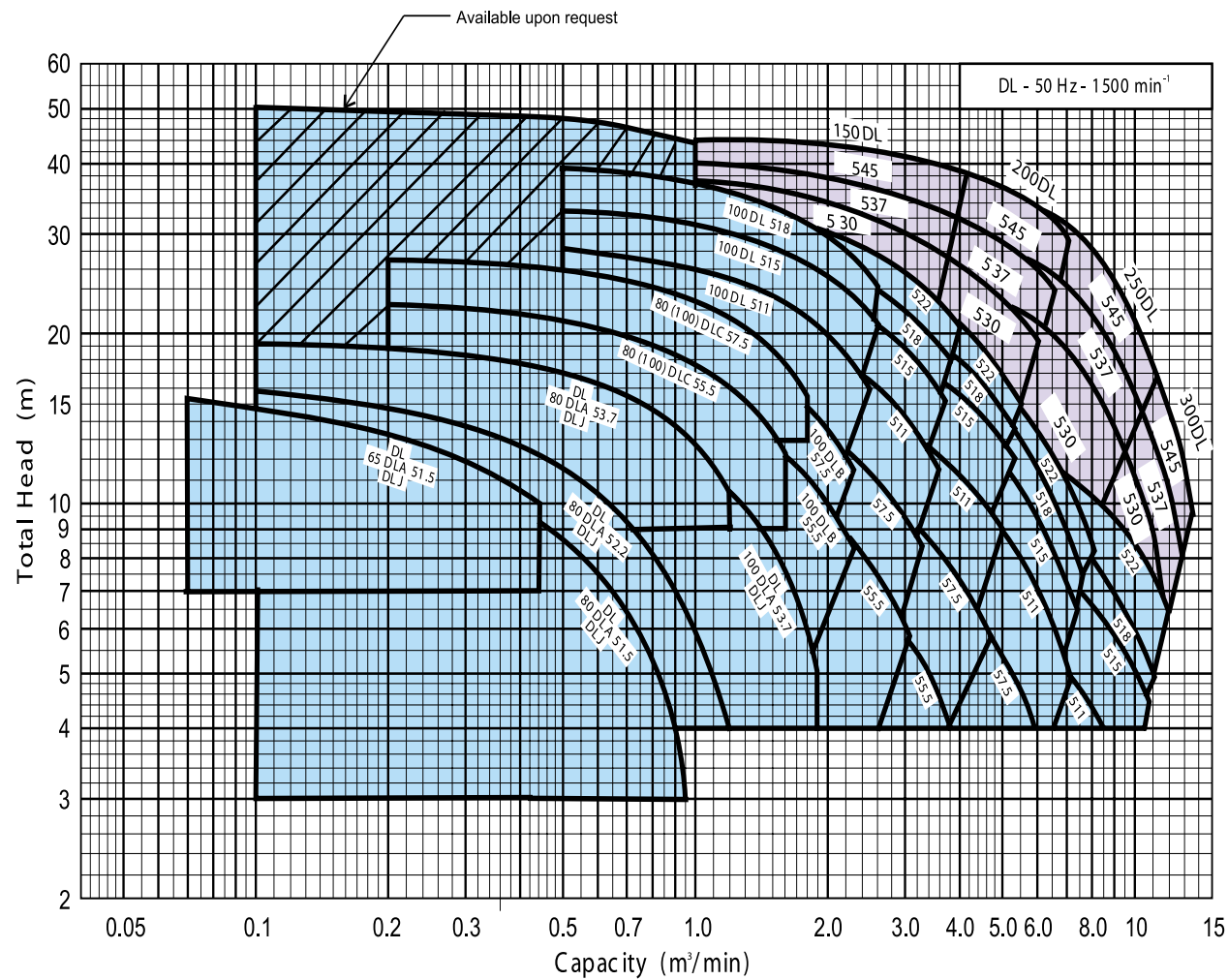


|              |                     | Standard   | Optional                        |
|--------------|---------------------|--|---------------------------------|
| Scope        | Discharge           | 65 - 300 mm  |                                 |
|              | Motor Power         | 1.5 - 45 kW (3 phase)  |                                 |
|              | Performance         | Capacity : 0.07 - 12 m <sup>3</sup> /min<br>Head : 3 - 52 m  |                                 |
| Liquid       | Type                | Sewage   |                                 |
|              | Maximum Temperature | 40 °C (Manual and A Type)<br>32 °C (J' Type)   |                                 |
|              | Submergence         | 8 m (Max)  |                                 |
|              | Impeller            | Non-clog type  |                                 |
| Construction | Mechanical Seal     | Oil lubricated, double mechanical seal (single spring 3.7 kW) (tandem spring 5.5 to 45kW)  |                                 |
|              | Materials           | Casing: Cast Iron<br>Impeller: Cast Iron<br>Suction Cover: Cast Iron<br>Shaft: 403 Stainless Steel<br>Motor Frame: Cast Iron<br>Fasteners: 304 Stainless Steel | S/S Upon request                |
| Motor        | Type                | Air filled dry submersible, IP68, Class F insulation   |                                 |
|              | Nominal speed       | 4 pole 1450 rpm  |                                 |
| Cable        | Applicable Voltages | 380/400/415 volts 3 phase 50 Hz  |                                 |
|              | Starting            | DOL (up to 7.5 kW) Star-Delta (11 to 45 kW)  |                                 |
| Accessories  | Protection          | In built overload protection (up to 7.5 kW)<br>Miniature thermal protector (11 to 45 kW)   | Leakage detector upon request   |
|              | Bearings            | Pre lubricated sealed ball bearings  |                                 |
| Accessories  | Length              | 10m  |                                 |
|              | Others              | Discharge elbow  | Quick Discharge Connector (QDC) |

## MODEL CODE



## PERFORMANCE CHART



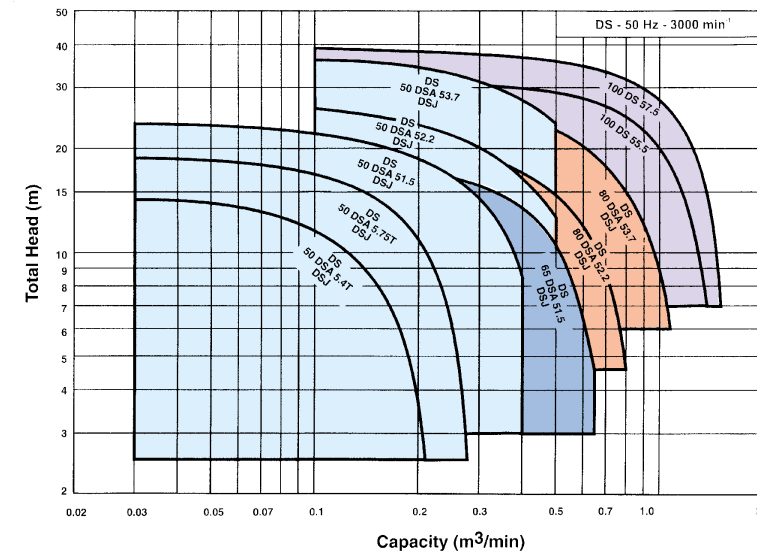
# Model DS

## SPECIFICATIONS

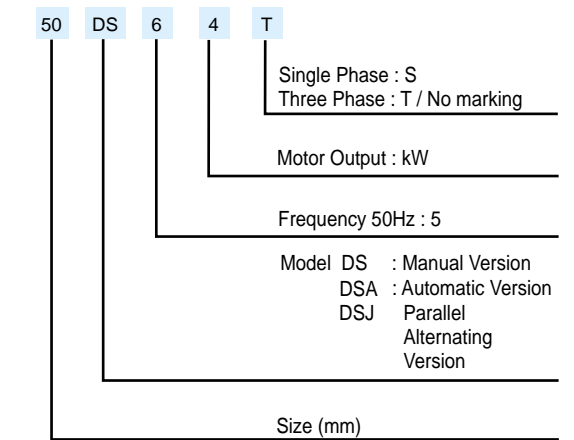


| Pump                |   |  |
|---------------------|---|--|
| Liquid Handled      | Type of liquid  | Sump   |
|                     | Temperature   | 0°C-40°C for DS, DSA; 0°C-32°C for DSJ                         |
|                     | Max solids size   | 50:5mm, 65:6mm, 80:7mm, 100:8mm                                |
| Maximum Submergence | 4m (0.4~ 1.5 kW) ; 8m (2.2 ~7.5 kW)   |  |
| Minimum Submergence | Refer to water level (L.W.L.) in Dimensions.<br>It is possible to operate at low water level for 30min. |  |
| Synchronous Speed   | 3000min <sup>-1</sup>   |  |
| Construction        | Mechanical Seal   | Double mechanical seal   |
|                     | Impeller  | Semi-open  |
|                     | Bearing   | Prelubricated bearing  |
| Material            | Casing  | Cast iron  |
|                     | Impeller  | Cast iron  |
|                     | Shaft   | 403 Stainless Steel  |
|                     | Mechanical Seal   | Impeller side: Silicon carbide<br>Motor side: Ceramic / Carbon |
|                     | Packing   | NBR  |
| Motor               |   |  |
| Type                | 2 pole, air-filled watertight   |  |
| Insulation          | Class F   |  |
| Protection          | Built in overload protector   |  |
| Accessories         |   |  |
| Standard            | Submersible cable: 0.4~1.5kW x 6m, 2.2~7.5kW x 10m,<br>Float switch (for DSA, DSJ)                      |  |
| Optional            | Quick discharge connector, Float switch (for DS only)   |  |

## PERFORMANCE CHART

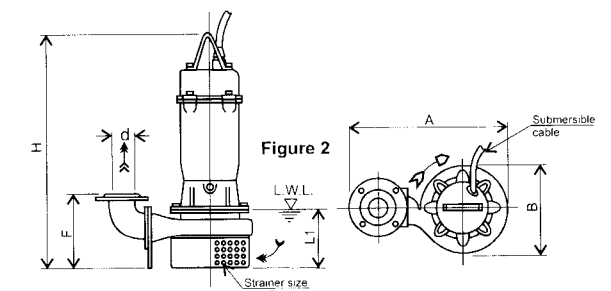
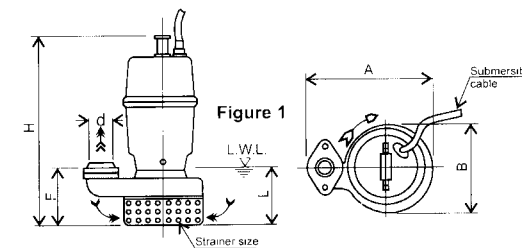


## MODEL CODE



## DIMENSIONS

### Manual type



Unit: mm

| Size d | Model     | Output kW | Phase | Pump and Motor |     |     |     |     |    | L.W.L. L | wt kg |
|--------|-----------|-----------|-------|----------------|-----|-----|-----|-----|----|----------|-------|
|        |           |           |       | d              | A   | B   | F   | H   | S  |          |       |
| 50     | 50DS5.4T  | 0.4       | 3Ø    | PT 2           | 260 | 186 | 99  | 396 | 8  | 110      | 16    |
|        | 50DS5.75T | 0.75      | 3Ø    | PT 2           | 260 | 186 | 99  | 396 | 8  | 110      | 17    |
|        | 50DS51.5  | 1.5       | 3Ø    | PT 2           | 266 | 200 | 115 | 450 | 10 | 120      | 25    |
|        | 50DS52.2  | 2.2       | 3Ø    | -              | 433 | 245 | 198 | 619 | 10 | 160      | 55    |
|        | 50DS53.7  | 3.7       | 3Ø    | -              | 433 | 245 | 198 | 619 | 10 | 160      | 61    |

| Size d | Model     | Output kW | Phase | Pump and Motor |     |     |     |    |     | L.W.L. L | wt kg |
|--------|-----------|-----------|-------|----------------|-----|-----|-----|----|-----|----------|-------|
|        |           |           |       | A              | B   | F   | H   | S  |     |          |       |
| 65     | 65DS51.5  | 1.5       | 3Ø    | 407            | 210 | 197 | 503 | 10 | 120 | 35       |       |
|        | 80DS52.2  | 2.2       | 3Ø    | 503            | 268 | 215 | 625 | 10 | 160 | 59       |       |
| 80     | 80DS53.7  | 3.7       | 3Ø    | 503            | 268 | 215 | 625 | 10 | 160 | 64       |       |
|        | 100DS55.5 | 5.5       | 3Ø    | 615            | 309 | 257 | 730 | 13 | 200 | 92       |       |
| 100    | 100DS57.5 | 7.5       | 3Ø    | 615            | 309 | 257 | 730 | 13 | 200 | 104      |       |

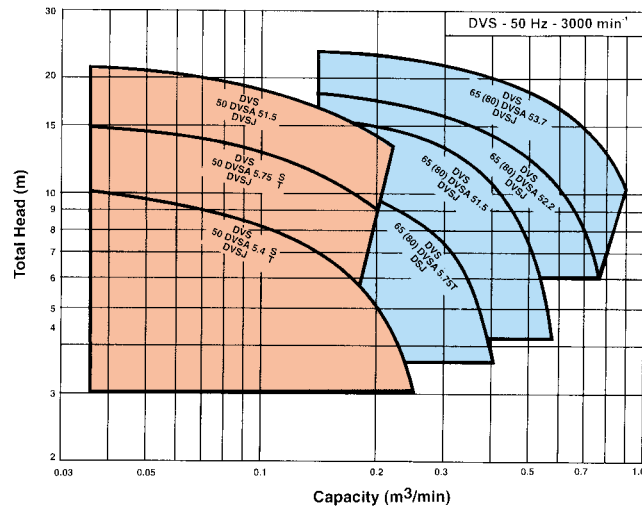
# Model DVS

## SPECIFICATIONS

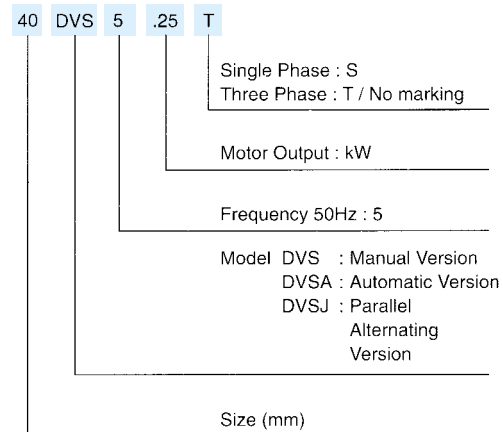


| Pump                |   |   |
|---------------------|---|---|
| Liquid Handled      | Type of liquid  | River water, Effluent   |
|                     | Temperature   | 0°C~40°C for DVS, DVSA; 0°C~32°C for DVSJ   |
|                     | Pump size: Max solids size  | 50 : 32mm, 65 (80) : 45mm or 56mm   |
| Maximum Submergence |   | 4m (0.4~1.5kW) ; 8m (2.2~3.7kW)   |
| Minimum Submergence |   | Refer to water level (L.W.L.) in Dimensions.<br>It is possible to operate at low water level for 30min. |
| Synchronous Speed   |   | 3000min <sup>-1</sup>   |
| Construction        | Mechanical Seal   | Double mechanical seal  |
|                     | Impeller  | Semi-Vortex   |
|                     | Bearing   | Prelubricated bearing   |
| Material            | Casing  | Cast iron   |
|                     | Impeller  | Cast iron   |
|                     | Shaft   | 403 Stainless Steel   |
|                     | Mechanical Seal   | Impeller side: Silicon carbide  |
|                     | Seal  | Motor side: Ceramic / Carbon  |
|                     | Packing   | NBR   |
| Motor               |   |   |
| Type                | 2 pole, air-filled watertight   |   |
| Insulation          | Class F   |   |
| Protection          | Built in thermal protector  |   |
| Accessories         |   |   |
| Standard            | Submersible cable: 0.4~1.5kW x 6m, 2.2~3.7kW x 10m<br>Float switch (for DVSA, DVSJ) |   |
| Optional            | Quick discharge connector, Float switch (for DVS only)                              |   |

## PERFORMANCE CHART

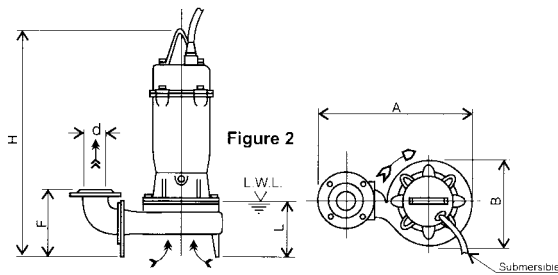
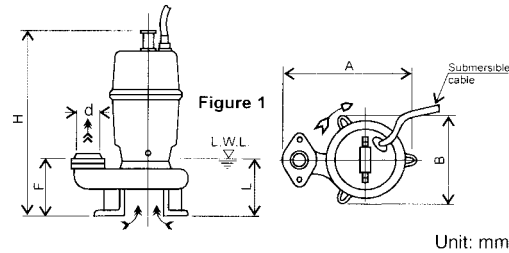


## MODEL CODE



## DIMENSIONS

### Manual type



| Size d | Model      | Output kW | Phase  | Pump and Motor         | L.W.L. | wt |
|--------|------------|-----------|--------|------------------------|--------|----|
|        |            |           |        | d A B F H L            |        |    |
| 50     | 50DVS5.4S  | 0.4       | Single | PT2 239 160 82 435 105 | 18     | 18 |
|        | 50DVS5.4T  | 0.4       | 3Ø     | PT2 239 160 82 398 105 | 17     | 17 |
|        | 50DVS5.75S | 0.75      | Single | PT2 249 171 82 497 105 | 26     | 26 |
|        | 50DVS5.75T | 0.75      | 3Ø     | PT2 249 171 82 397 105 | 19     | 19 |
|        | 50DVS5.1.5 | 1.5       | 3Ø     | PT2 249 171 82 439 105 | 27     | 27 |
| 65     | 65DVS5.75T | 0.75      | 3Ø     | - 396 195 178 467 125  | 25     | 25 |
|        | 65DVS5.1.5 | 1.5       | 3Ø     | - 396 195 178 519 125  | 34     | 34 |

| Size d | Model      | Output kW | Phase | Pump and Motor      | L.W.L. | wt |
|--------|------------|-----------|-------|---------------------|--------|----|
|        |            |           |       | A B F H L           |        |    |
| 65     | 65DVS52.2  | 2.2       | 3Ø    | 427 227 201 643 155 | 50     | 50 |
|        | 65DVS53.7  | 3.7       | 3Ø    | 427 227 201 643 155 | 59     | 59 |
| 80     | 80DVS5.75T | 0.75      | 3Ø    | 411 195 183 467 125 | 26     | 26 |
|        | 80DVS51.5  | 1.5       | 3Ø    | 411 195 183 519 125 | 35     | 35 |
|        | 80DVS52.2  | 2.2       | 3Ø    | 442 227 206 643 155 | 51     | 51 |
|        | 80DVS53.7  | 3.7       | 3Ø    | 442 227 206 643 155 | 60     | 60 |

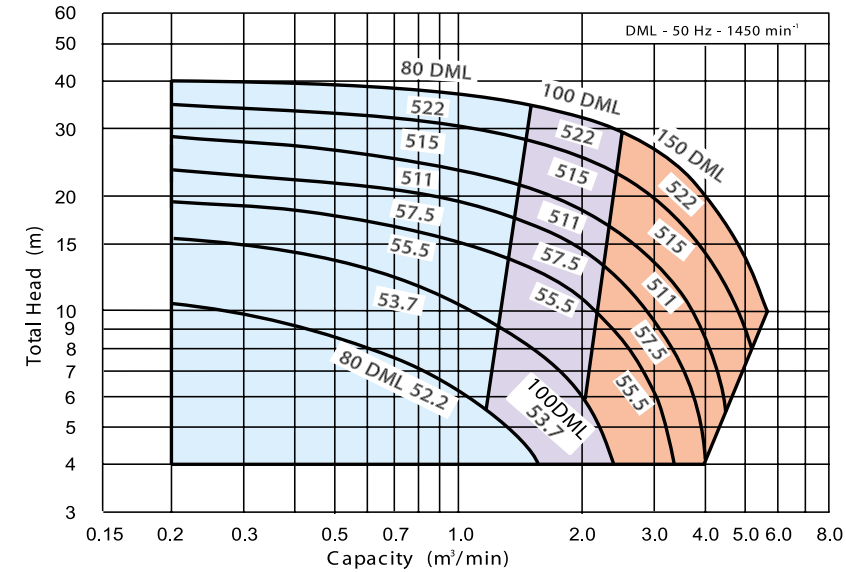
# Model DML

## SPECIFICATIONS

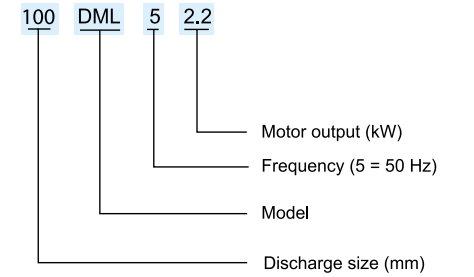


| Pump                |  |   |
|---------------------|--|---|
| Liquid Handled      | Type of liquid   | Sewage, Wastewater  |
|                     | Temperature  | 0°C~40°C  |
|                     | Max solids size  | 76mm  |
| Maximum Submergence |  | 8m  |
| Minimum Submergence |  | Refer to water level (L.W.L.) in Dimensions.<br>It is possible to operate at low water level for 30min. |
| Synchronous Speed   |  | 1500min <sup>-1</sup>   |
| Construction        | Mechanical Seal  | Double mechanical seal  |
|                     | Impeller   | Single channel, non-clog  |
|                     | Bearing  | Prelubricated bearing   |
| Material            | Casing   | Cast iron   |
|                     | Impeller   | Cast iron   |
|                     | Shaft  | 403 Stainless Steel   |
|                     | Mechanical Seal  | Impeller side: Silicon carbide  |
|                     | Seal   | Motor side: Ceramic / Carbon  |
|                     | Packing  | NBR   |
| Motor               |  |   |
| Type                | 4 pole, air-filled watertight  |   |
| Insulation          | Class F  |   |
| Protection          | Built in overload protector (2.2kW); Build-in temperature detector protection (3.7~22kW) |   |
| Accessories         |  |   |
| Standard            | Submersible cable (10m)  |   |
| Optional            | Quick discharge connector, Dry pit type.   |   |

## PERFORMANCE CHART

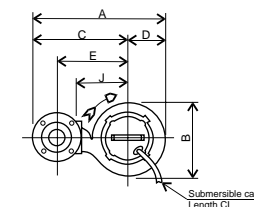
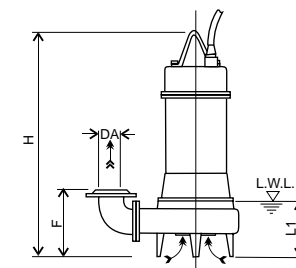


## MODEL CODE



## DIMENSIONS

### Manual type



Note:  
1/. L.W.L. (Low Water Level) Is limited to 10 minutes operation at low water level.  
2/. Is limited to 30 minutes operation with water level below top of motor.

| Size | Model        | Output kW | A   | B   | C   | D   | E   | F   | H    | J   | L1  | CL   | Weight |
|------|--------------|-----------|-----|-----|-----|-----|-----|-----|------|-----|-----|------|--------|
| 80   | 80 DML 52.2  | 2.2       | 534 | 320 | 378 | 157 | 285 | 298 | 668  | 210 | 279 | 10 m | 80 kg  |
|      | 80 DML 53.7  | 3.7       | 534 | 320 | 378 | 157 | 285 | 298 | 727  | 210 | 279 | 10 m | 87 kg  |
|      | 80 DML 55.5  | 5.5       | 640 | 381 | 453 | 188 | 360 | 334 | 824  | 255 | 310 | 10 m | 118 kg |
|      | 80 DML 57.5  | 7.5       | 640 | 381 | 453 | 188 | 360 | 334 | 824  | 255 | 310 | 10 m | 123 kg |
|      | 80 DML 511   | 11        | 734 | 455 | 513 | 221 | 420 | 350 | 938  | 315 | 329 | 10 m | 157 kg |
|      | 80 DML 515   | 15        | 734 | 455 | 513 | 221 | 420 | 350 | 938  | 315 | 329 | 10 m | 163 kg |
| 100  | 100 DML 522  | 2.2       | 777 | 497 | 533 | 245 | 440 | 363 | 1021 | 335 | 332 | 10 m | 223 kg |
|      | 100 DML 52.2 | 2.2       | 534 | 320 | 378 | 157 | 285 | 298 | 668  | 210 | 279 | 10 m | 80 kg  |
|      | 100 DML 53.7 | 3.7       | 577 | 320 | 420 | 157 | 315 | 313 | 727  | 210 | 279 | 10 m | 89 kg  |
|      | 100 DML 55.5 | 5.5       | 653 | 381 | 465 | 188 | 360 | 334 | 824  | 255 | 310 | 10 m | 121 kg |
|      | 100 DML 57.5 | 7.5       | 653 | 381 | 465 | 188 | 360 | 334 | 824  | 255 | 310 | 10 m | 125 kg |
|      | 100 DML 511  | 11        | 746 | 455 | 525 | 221 | 420 | 350 | 938  | 315 | 329 | 10 m | 160 kg |
| 150  | 100 DML 515  | 15        | 746 | 455 | 525 | 221 | 420 | 350 | 938  | 315 | 329 | 10 m | 166 kg |
|      | 100 DML 522  | 22        | 790 | 497 | 545 | 245 | 440 | 363 | 1021 | 335 | 332 | 10 m | 226 kg |
|      | 150 DML 55.5 | 5.5       | 713 | 381 | 525 | 188 | 385 | 369 | 824  | 255 | 310 | 10 m | 127 kg |
|      | 150 DML 57.5 | 7.5       | 713 | 381 | 525 | 188 | 385 | 369 | 824  | 255 | 310 | 10 m | 132 kg |
|      | 150 DML 511  | 11        | 806 | 455 | 585 | 221 | 445 | 385 | 938  | 315 | 329 | 10 m | 166 kg |
|      | 150 DML 515  | 15        | 806 | 455 | 585 | 221 | 445 | 385 | 938  | 315 | 329 | 10 m | 172 kg |
|      | 150 DML 522  | 22        | 850 | 497 | 605 | 245 | 465 | 398 | 1021 | 335 | 332 | 10 m | 232 kg |

Units: mm unless otherwise specified