



EBARA

D' Series SUBMERSIBLE PUMP

Model **DS/DVS/DML/DMLV/DL/DL-C/DSC4**

50Hz



Sump Pump
TYPE DS



Effluent Pump
TYPE DVS



Sewage Pump
TYPE DML



Sewage Pump
TYPE DL



Sewage Pump
TYPE DSC4

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

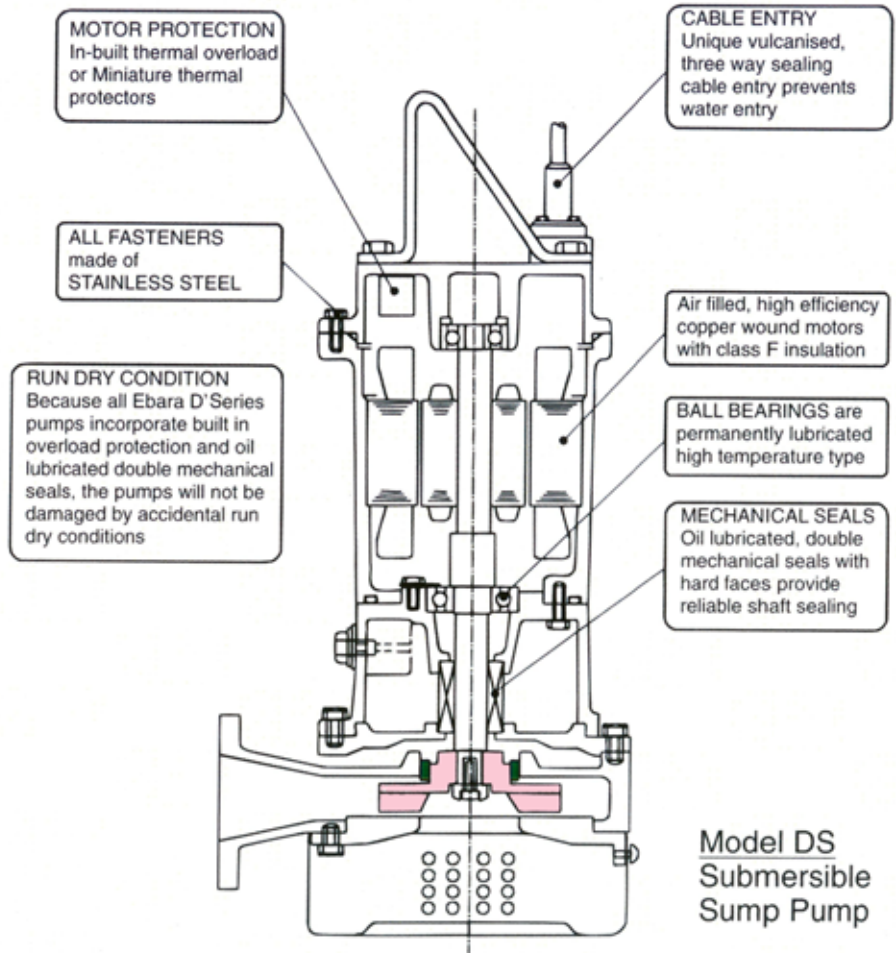
Model DL

■ FEATURES

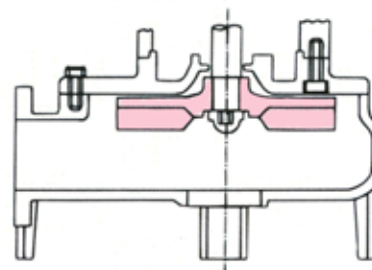
- Non-Clog Type Impellers prevents clogging by fibrous matter.
- Range of Models up to 300mm discharge size and 45kW available.

■ APPLICATIONS

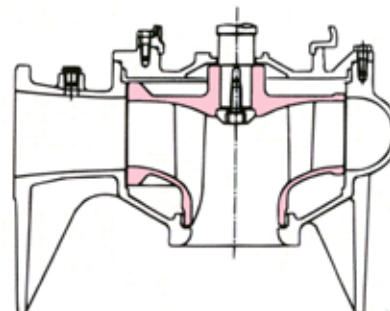
- Sewage
- Waste water



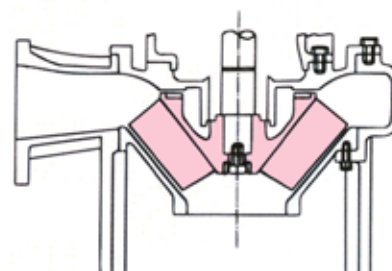
Model DS
Submersible
Sump Pump



Model DVS
Submersible
Semi-Vortex
Pump



Model DML
Submersible
Sewage
Pump



Model DL
Submersible
Sewage
Pump

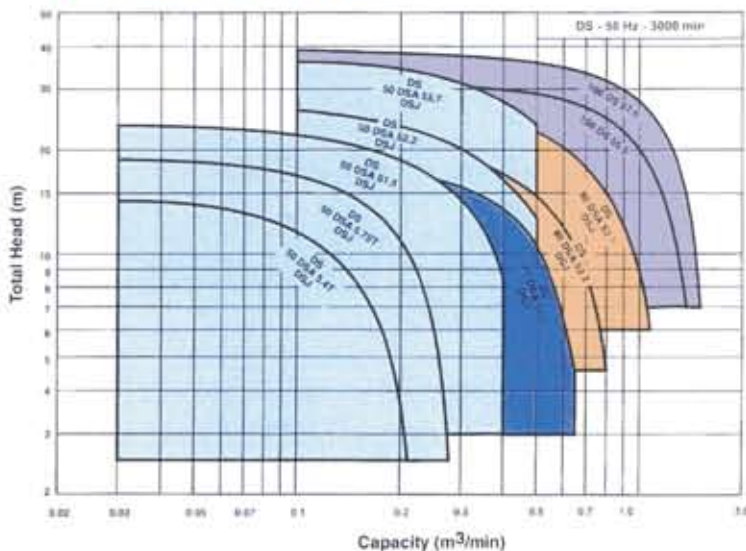
Model DS

SPECIFICATIONS

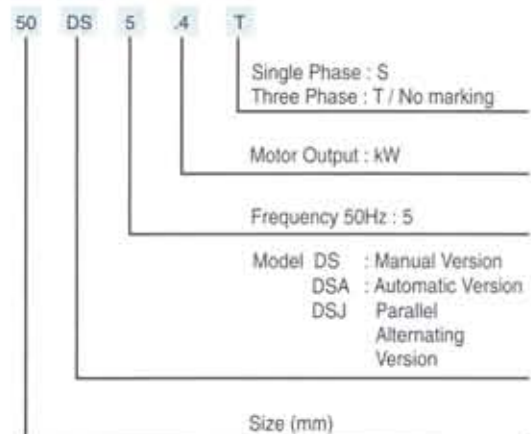


Pump			
Liquid Handled	Type of liquid	Sump	
	Temperature	0-40°C for DS, DSA; 0-32°C for DSJ	
	Max solids size	50:5mm, 65:6mm, 80:7mm, 100:8mm	
Maximum Submergence		4m (0.4-1.5KW) ; 8m (2.2-7.5KW)	
Minimum Submergence		Refer to water level (L.W.L) in Dimensions. It is possible to operate at low water level for 30min.	
Synchronous Speed		3000min ⁻¹	
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
		Motor side	Ceramic / Carbon
	Packing	NBR	
Motor			
Type	2 pole, air-filled watertight		
Insulation	Class E or Class F		
Protection	Built in overload protector		
Accessories			
Standard	Submersible cable: 0.4-1.5KW x 6m, 2.2-7.5KW x 10m, Float switch (for DSA, DSJ)		
Option	Quick discharge connector, Float switch (for DS only)		

PERFORMANCE CHART

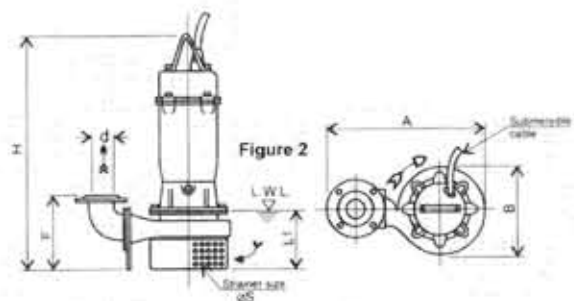
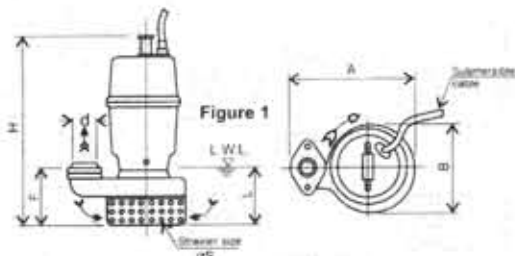


MODEL CODE



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		

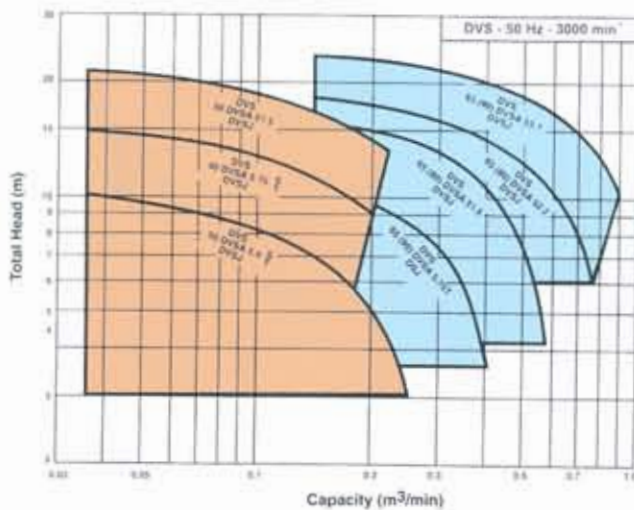
Model DVS

SPECIFICATIONS

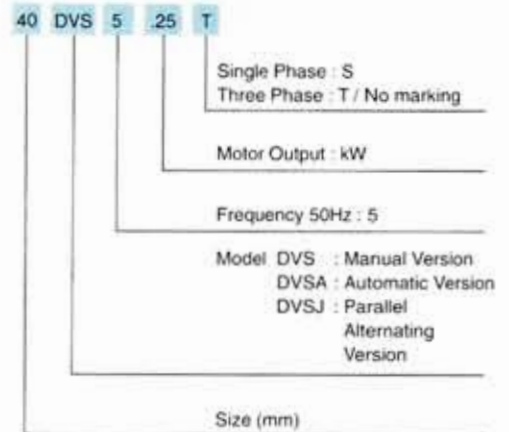


Pump			
Liquid Handled	Type of liquid	River water, Effluent	
	Temperature	0-40°C for DVS, DVSA; 0-32°C for DVSJ	
	Pump size: Max solids size	50:32mm, 65(80) : 45mm or 56mm	
Maximum Submergence		4m (0.4-1.5KW) ; 8m (2.2-3.7KW)	
Minimum Submergence		Refer to water level (L.W.L) in Dimentions. It is possible to operate at low water level for 30min.	
Synchronous Speed		3000min ⁻¹	
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
		Motor side	Ceramic / Carbon
	Packing	NBR	
Motor			
Type	2 pole, air-filled watertight		
Insulation	Class E or Class F		
Protection	Built in thermal protector		
Accessories			
Standard	Submersible cable: 0.4-1.5KW x 6m, 2.2-3.7KW x 10m, Float switch (for DVSA, DVSJ)		
Option	Quick discharge connector, Float switch (for DVS only)		

PERFORMANCE CHART

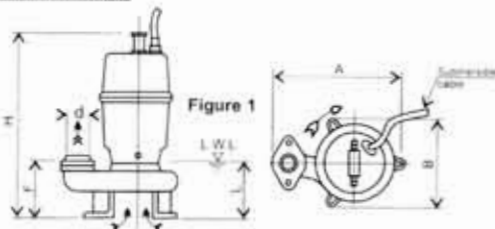


MODEL CODE

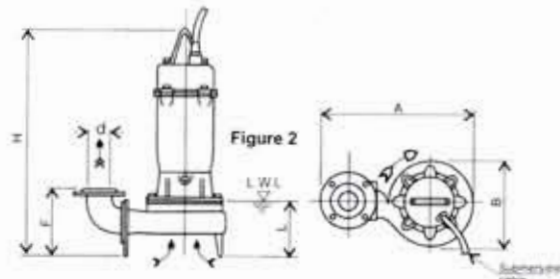


DIMENSIONS

Manual type



Unit: mm



Size d	Model	Output kW	Phase	Pump and Motor						L.W.L.	wt kg
				d	A	B	F	H	L		
50	50DVS5.4S	0.4	Single	PT2	239	160	82	435	105	18	
	50DVS5.4T	0.4	3Ø	PT2	239	160	82	398	105	17	
	50DVS5.7S	0.75	Single	PT2	249	171	82	497	105	26	
	50DVS5.7T	0.75	3Ø	PT2	249	171	82	397	105	19	
	50DVS1.5	1.5	3Ø	PT2	249	171	82	439	105	27	
65	65DVS5.7S	0.75	3Ø	-	396	195	178	467	125	25	
	65DVS1.5	1.5	3Ø	-	396	195	178	519	125	34	

Size d	Model	Output kW	Phase	Pump and Motor						L.W.L.	wt kg
				A	B	F	H	L			
65	65DVS5.2	2.2	3Ø	427	227	201	643	155	50		
	65DVS5.7	3.7	3Ø	427	227	201	643	155	59		
80	80DVS5.7S	0.75	3Ø	411	195	183	467	125	26		
	80DVS1.5	1.5	3Ø	411	195	183	519	125	35		
	80DVS5.2	2.2	3Ø	442	227	206	643	155	51		
	80DVS5.7	3.7	3Ø	442	227	206	643	155	60		

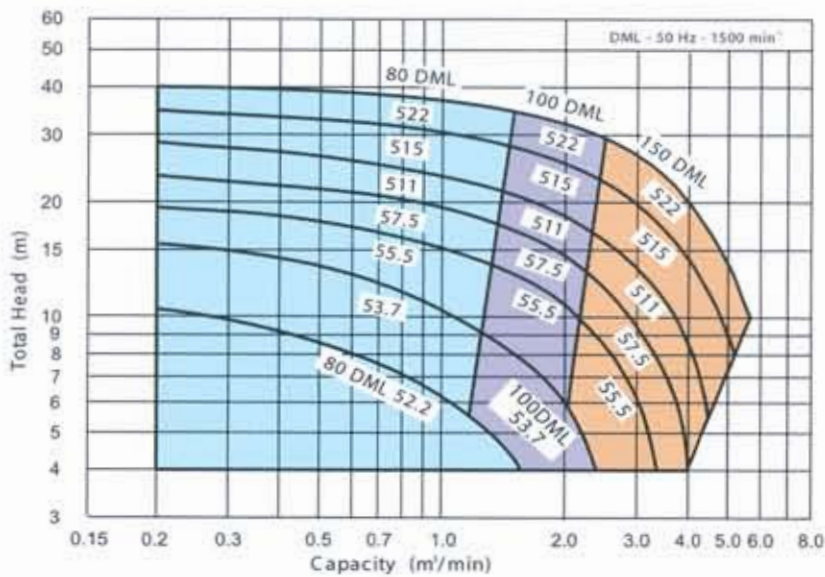
Model DML

SPECIFICATIONS

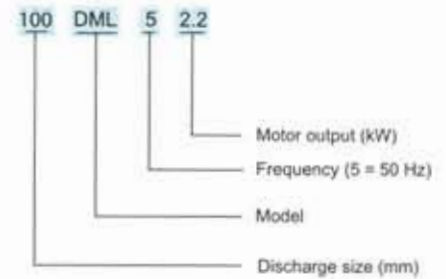


Pump			
Liquid Handled	Type of liquid	Sewage, Wastewater	
	Temperature	0-40°C	
	Max solids size	76mm	
Maximum Submergence		8m	
Minimum Submergence		Refer to water level (L.W.L) in Dimensions. It is possible to operate at low water level for 30min.	
Synchronous Speed		1500min ⁻¹	
Construction	Mechanical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

PERFORMANCE CHART

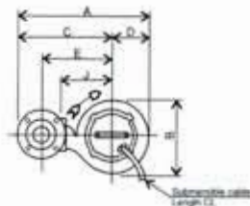
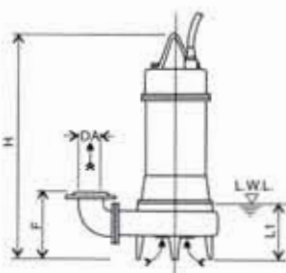


MODEL CODE



DIMENSIONS

Manual type



- Note:
- L.W.L. (Low Water Level) is limited to 10 minutes operation at low water level.
 - 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	463	188	360	334	824	255	310	10 m	118 kg	
	80 DML 57.5	7.5	640	381	463	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	
	80 DML 522	22	777	497	533	245	440	363	1021	335	332	10 m	223 kg	
	100	100 DML 52.2	2.2	534	320	378	157	285	298	668	210	279	10 m	80 kg
100	100 DML 53.7	3.7	677	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	
	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	150 DML 55.5	5.5	713	381	525	188	385	368	824	255	310	10 m	127 kg
	150	150 DML 57.5	7.5	713	381	525	188	385	368	824	255	310	10 m	132 kg
150	150 DML 511	11	806	455	585	221	445	385	938	315	329	10 m	172 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

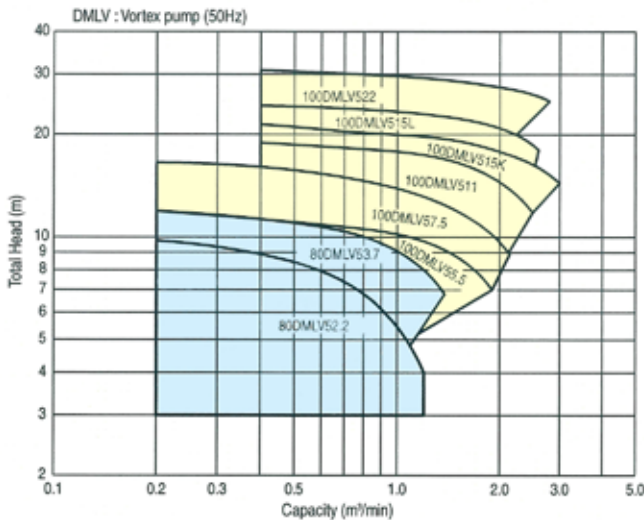
Model DMLV

SPECIFICATIONS

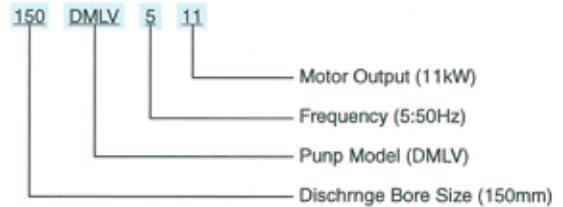


Discharge Diameter		80mm	100mm	
Power range		2.2-3.7KW	5.5-22KW	
Liquid Handled	Typ of liquid	Sewage, Wastewater		
	Temperature	0-40°C		
	Solid Passage	80mm	100mm	
Maximum Submergence		8m		
Minimum Submergence		Refer to waster level (L.W.L) in Dimensions. It is possible to operate at low water level for 30min.		
Pump	Construction	Mechanical seal	Double mechanical seal	
		Impeller	Vortex type	
		Bearing	Prelubricated bearing	
	Material	Casing	Cast iron	
		Impeller	Cast iron	
		Shaft	403 Stainless steel	
		Mechanical seal	Impeller side	Silicon Carbon
Motor side	Ceramic / Carbon			
Motor	Type	4 pole, air-filled watertight		
	Frequency	50Hz		
	Voltage	Three phase, 400V		
	Insulation	Class E or Class F		
	Starting metl	2.2KW : Direct on line		
		3.7KW and above : Star-Delta		
	Protection	Build in overload protector (2.2KW) :		
		Build in temperature detector protection (3.7KW)		
	Material	Flame	Cast iron	
		Shaft	403 Stainless steel	
Cable		Power cable	PVC	
		Control cable	PVC	
Accessories	Standard	Submersible cable (10m)		
	Option	Quick discharge connector, Leakage detector.		

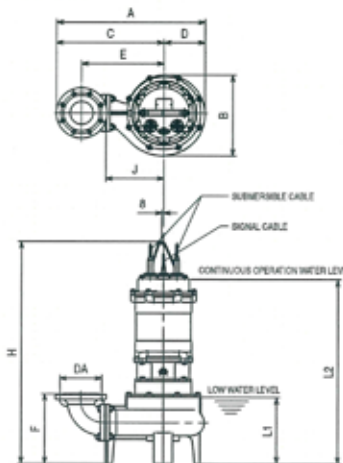
PERFORMANCE CHART



MODEL CODE



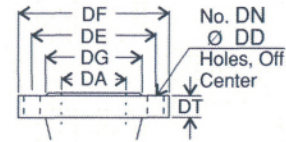
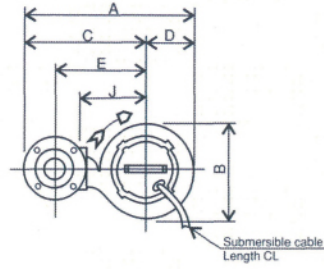
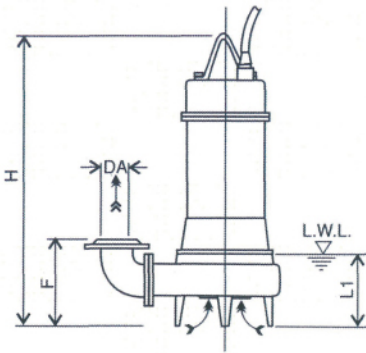
DIMENSIONS



Unit : mm

MODEL	SIZE mm	FREQUENCY Hz	OUTPUT kW	PUMP & MOTOR DIMENSIONS										MASS kg
				A	B	C	D	E	F	H	J	L1	L2	
80DMLV52.2	80	50	2.2	518	285	375	143	275	254	660	200	200	560	70
80DMLV53.7	80	50	3.7	518	285	375	143	275	254	721	200	200	620	80
100DMLV55.5	100	50	5.5	584	308	430	154	320	305	860	215	250	760	105
100DMLV57.5	100	50	7.5	641	352	465	176	355	305	860	250	250	760	120
100DMLV511	100	50	11	641	352	465	176	355	305	970	250	250	810	150
100DMLV515K	100	50	15	641	352	465	176	355	305	970	250	250	810	165
100DMLV515L	100	50	15	728	426	515	213	405	305	970	300	250	810	180
100DMLV522	100	50	22	728	426	515	213	405	305	1045	300	250	865	235

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.

Discharge Flange Dimensions (JIS 10kgf/cm²)

DA	DE	DF	DG	DT	DN	DD
65	140	175	116	18	4	15
80	150	185	126	18	8	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

(30-45kW DIN Flange)

DA	DE	DF	DG	DT	DN	DD
150	240	285	211	26	8	23
200	295	340	266	28.6	8	23
250	350	395	319	30.2	12	23
300	400	445	370	32	12	23

Size DA	Model	Output kW	Pump and motor									CL m	Weight kg
			A	B	C	D	E	F	H	J	L1		
65	65 DL 51.5	1.5	497	291	353	144	265	200	576	200	140	10	52
	65 DLD 55.5A	5.5	573	339	403	170	315	215	765	250	260	10	117
	65 DLD 57.5A	7.5	640	414	433	207	345	215	765	280	260	10	140
	65 DL 511A	11	640	414	433	207	345	215	864	280	260	10	167
	65 DL 515A	15	696	486	453	243	365	215	948	300	280	10	210
	65 DL 518A	18.5	696	486	453	243	365	215	951	300	280	10	231
65 DL 522A	22	696	486	453	243	365	215	951	300	280	10	240	
80	80 DL 51.5	1.5	524	292	378	146	285	220	597	210	165	10	55
	80 DL 52.2	2.2	542	308	388	154	295	220	654	220	165	10	67
	80 DL 53.7	3.7	567	328	403	164	310	220	687	235	165	10	75
	80 DLD 55.5A	5.5	588	339	418	170	325	220	765	250	260	10	119
	80 DLC 55.5	5.5	618	379	428	190	335	307	753	260	205	10	134
	80 DLD 57.5A	7.5	655	414	448	207	355	220	765	280	260	10	142
	80 DLC 57.5	7.5	648	399	448	200	355	305	751	280	205	10	148
	80 DL 511A	11	655	414	448	207	355	220	864	280	260	10	169
	80 DL 515A	15	711	486	468	243	375	220	948	300	280	10	212
	80 DL 518A	18.5	711	486	468	243	375	220	951	300	280	10	233
80 DL 522A	22	711	486	468	243	375	220	951	300	280	10	242	
100	100 DL 53.7	3.7	614	335	445	169	340	250	706	235	185	10	79
	100 DLB 55.5	5.5	646	369	460	186	355	323	768	250	205	10	123
	100 DLC 55.5	5.5	660	379	470	190	365	322	753	260	205	10	134
	100 DLB 57.5	7.5	673	385	480	193	375	323	760	270	205	10	141
	100 DLC 57.5	7.5	690	399	490	200	385	320	751	280	205	10	148
	100 DL 511	11	701	402	500	201	395	323	859	290	205	10	180
	100 DL 515	15	741	441	520	221	415	330	954	310	205	10	230
	100 DL 518	18.5	741	441	520	221	415	330	958	310	205	10	285
150	150 DL 55.5	5.5	750	398	550	200	410	381	799	280	245	10	146
	150 DL 57.5	7.5	780	418	570	210	430	377	784	300	245	10	158
	150 DL 511	11	810	438	590	220	450	377	883	320	245	10	199
	150 DL 515	15	810	438	590	220	450	377	972	320	245	10	237
	150 DL 518	18.5	848	476	610	238	470	381	979	340	245	10	300
	150 DL 522	22	848	476	610	238	470	381	979	340	245	10	325
	150 DL 530 - C	30	912	520	650	262	510	468	1284	360	1080	10	355
	150 DL 537 - C	37	912	520	650	262	510	468	1434	360	1165	10	418
200	150 DL 545 - C	45	912	520	650	262	510	468	1434	360	1165	10	456
	200 DL 55.5	5.5	832	430	615	217	450	414	826	300	285	10	160
	200 DL 57.5	7.5	863	453	635	228	470	410	809	320	285	10	176
	200 DL 511	11	863	453	635	228	470	410	908	320	285	10	212
	200 DL 515	15	896	479	655	241	490	411	995	340	285	10	260
	200 DL 518	18.5	932	512	675	257	510	415	1001	360	285	10	305
	200 DL 522	22	932	512	675	257	510	415	1001	360	285	10	330
	200 DL 530 - C	30	937	520	675	262	510	483	1284	360	1080	10	355
250	200 DL 537 - C	37	937	520	675	262	510	483	1434	360	1165	10	418
	200 DL 545 - C	45	937	520	675	262	510	483	1434	360	1165	10	456
	250 DL 57.5	7.5	969	525	700	269	500	622	904	370	400	10	260
	250 DL 511	11	993	541	720	273	520	634	1000	390	400	10	320
	250 DL 515	15	1007	549	730	277	530	646	1086	400	400	10	380
	250 DL 518	18.5	1007	549	730	277	530	646	1089	400	400	10	420
	250 DL 522	22	1007	549	730	277	530	646	1089	400	400	10	440
	250 DL 530 - C	30	1125	660	790	335	590	706	1336	460	1132	10	458
300	250 DL 537 - C	37	1125	660	790	335	590	706	1505	460	1236	10	522
	250 DL 545 - C	45	1125	660	790	335	590	706	1505	460	1236	10	540
	300 DL 511	11	1100	588	798	302	575	671	1050	420	450	10	365
	300 DL 515	15	1100	588	798	302	575	671	1131	420	450	10	395
	300 DL 518	18.5	1135	618	818	317	595	668	1131	440	450	10	440
	300 DL 522	22	1135	618	818	317	595	668	1131	440	450	10	465
	300 DL 530 - C	30	1172	660	838	335	615	726	1336	460	1132	10	458
	300 DL 537 - C	37	1172	660	838	335	615	726	1505	460	1236	10	522
300 DL 545 - C	45	1172	660	838	335	615	726	1505	460	1236	10	540	

Units: mm unless otherwise specified

Model DSC4

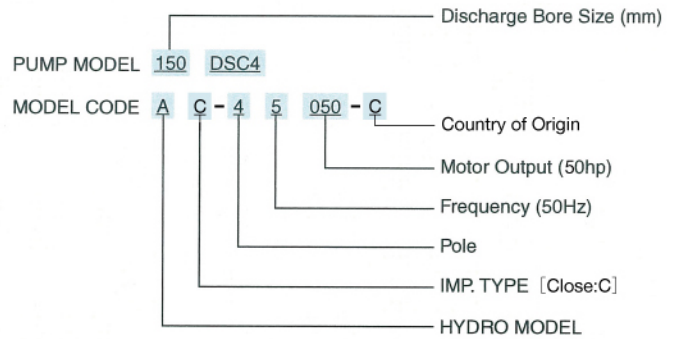
SPECIFICATIONS



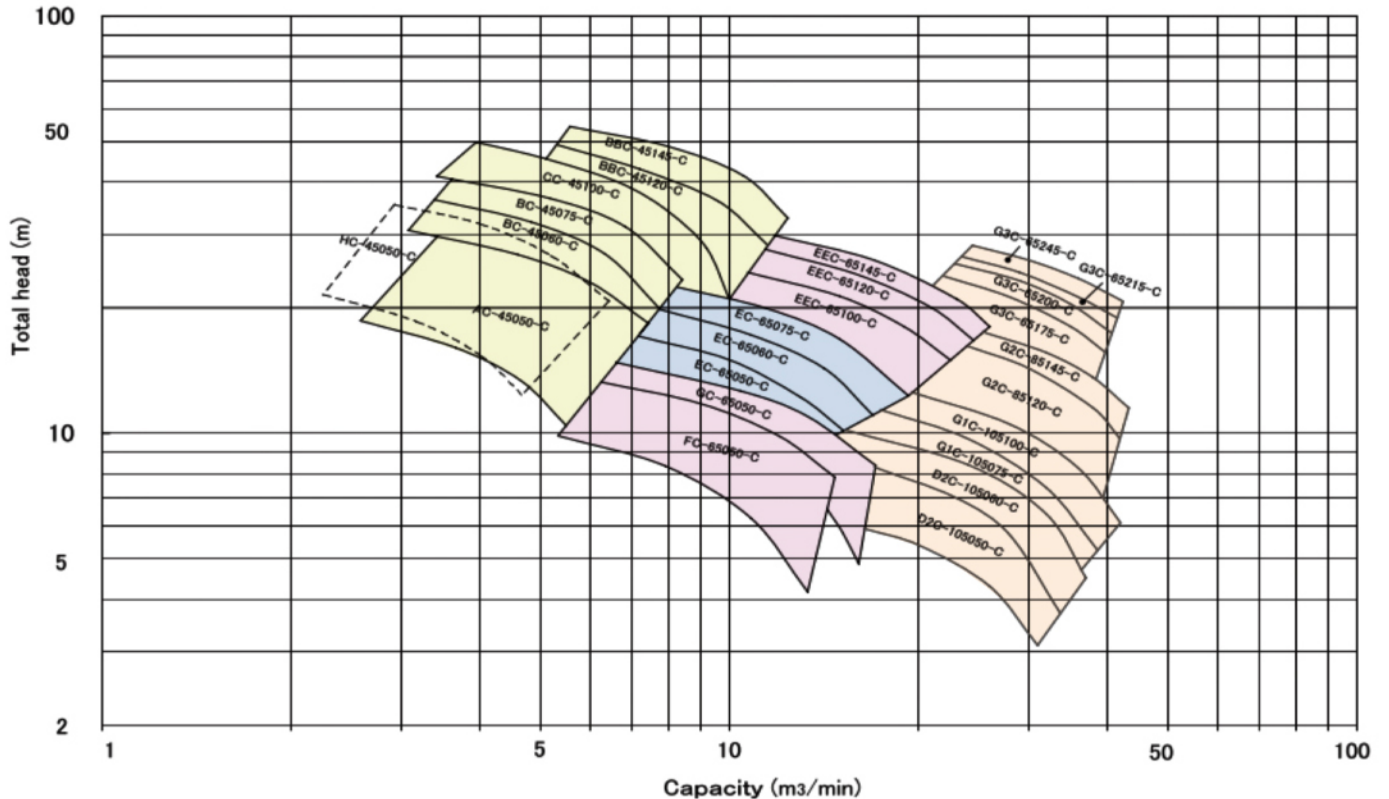
Standard Specification			Option
Design	Capacity	2.3to43 m ³ /min	
	Total head	3.1to54m	
	Liquid temp.	0 - 40°C	
	Max. submergence	35m	
Construction	Impeller	Close	
	Shaft seal	Cartridge type duplex mechanical seals in tandem arrangement	
		Upper: Carbon/Ceramic	
		Lower: Silicon Carbide/Silicon Carbide	
	Bearing	Grease lubricated ball bearing	
Driver	Air filled water tight electric motor with cooling jacket		
	Starting method: D.O.L. / Star Delta		
Accessories	Mounting method	Quick discharge connector(QDC) with guide pipes for wet pit installation	
		10m water tight rubber insulated flexible cable	Temp.detector for Thrust brg.
		Built-in winding temp. detectors for each phase	
Codes & Standards		Built-in float type leakage detector	
Codes & Standards			JIS, JEC(see Note)

Note:
 JIS: Japanese Industrial Standard
 JEC: Japanese Electrotechnical Committee

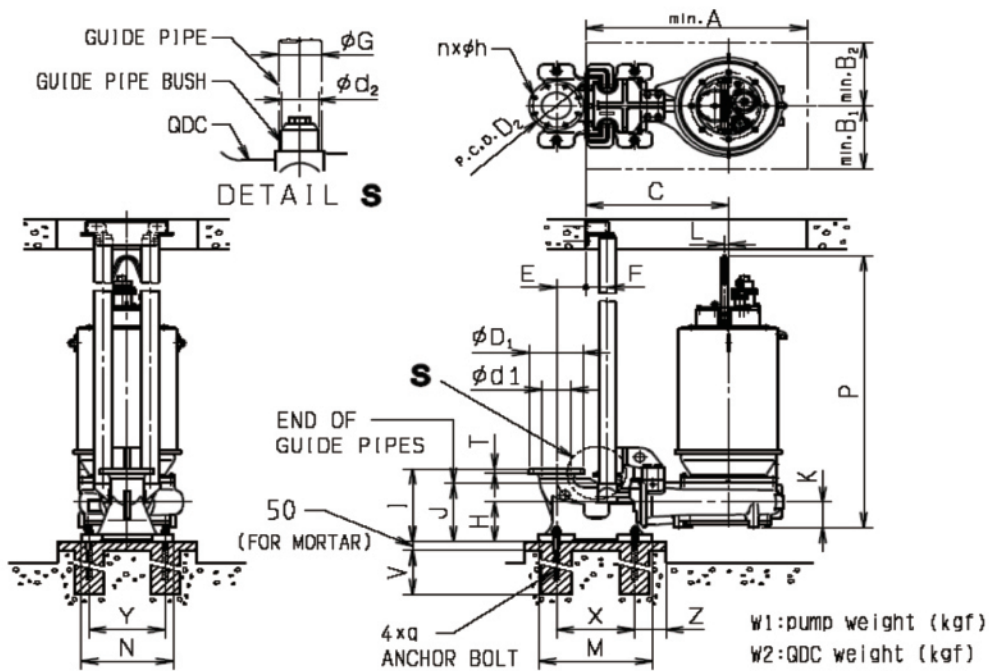
MODEL CODE



PERFORMANCE CHART



DIMENSIONS AND WEIGHT (50Hz)



W1: pump weight (kgf)
W2: QDC weight (kgf)

Model Code	HP(kW)	d1	A	B1	B2	C	D	F	G	H	I	J	K	L	M	N	P
HC-45050-C	50(37)	150	1130	360	360	730	150	110	89.1	225	415	333	145	20	580	470	1511
AC-45050-C	50(37)	150	1130	360	360	730	150	110	89.1	225	415	333	145	20	580	470	1491
BC-45060-C	60(45)	150	1130	360	360	730	150	110	89.1	225	415	333	145	20	580	470	1571
BC-45075-C	75(55)	150	1130	360	360	730	150	110	89.1	225	415	333	145	20	580	470	1631
CC-45100-C	100(75)	150	1220	400	360	780	150	110	89.1	225	415	333	145	20	580	470	1713
BBC-45120-C	120(90)	150	1200	380	380	800	150	110	89.1	225	415	333	160	30	580	470	1787
BBC-45145-C	145(110)	150	1200	380	380	800	150	110	89.1	225	415	333	160	30	580	470	1847
EC-65050-C	50(37)	250	1410	490	390	905	215	110	89.1	290	580	448	210	20	630	550	1666
EC-65060-C	60(45)	250	1410	490	390	905	215	110	89.1	290	580	448	210	20	630	550	1726
EC-65075-C	75(55)	250	1410	490	390	905	215	110	89.1	290	580	448	210	30	630	550	1903
FC-65050-C	50(37)	300	1350	450	350	875	260	110	89.1	330	660	503	250	20	680	570	1686
GC-65050-C	50(37)	300	1390	470	380	890	260	110	89.1	330	660	503	250	20	680	570	1686
EEC-65100-C	100(75)	300	1510	540	430	960	260	110	89.1	330	660	503	250	30	680	570	1882
EEC-65120-C	120(90)	300	1510	540	430	960	260	110	89.1	330	660	503	250	30	680	570	1942
EEC-65145-C	145(110)	300	1510	540	430	960	260	110	89.1	330	660	503	250	30	680	570	2022
D2C-105050-C	50(37)	500	1810	640	500	1230	390	140	114.3	500	1000	790	360	30	990	730	1972
D2C-105060-C	60(45)	500	1810	640	500	1230	390	140	114.3	500	1000	790	360	30	990	730	2082
G1C-105075-C	75(55)	500	2030	730	570	1305	390	140	114.3	500	1000	790	360	30	990	730	2167
G1C-105100-C	100(75)	500	2030	730	570	1305	390	140	114.3	500	1000	790	360	30	990	730	2204
G2C-85120-C	120(90)	500	2000	700	550	1285	390	140	114.3	500	1000	790	360	30	990	730	2204
G2C-85145-C	145(110)	500	2000	700	550	1285	390	140	114.3	500	1000	790	360	30	990	730	2274
G3C-65175-C	175(132)	500	1900	660	520	1230	390	140	114.3	500	1000	790	360	30	990	730	2269
G3C-65200-C	200(150)	500	1900	660	520	1230	390	140	114.3	500	1000	790	360	30	990	730	2409
G3C-65215-C	215(160)	500	1900	660	520	1230	390	140	114.3	500	1000	790	360	30	990	730	2409
G3C-65245-C	245(185)	500	1900	660	520	1230	390	140	114.3	500	1000	790	360	30	990	730	2469

Model Code	V	X	Y	Z	q	d2	W1	W2	Discharge Flange of QDC				
									D1	D2	T	n	h
HC-45050-C	450	400	390	160	M24	75	840	110	279.4	241.3	25.4	8	23
AC-45050-C	450	400	390	160	M24	75	800	110	279.4	241.3	25.4	8	23
BC-45060-C	450	400	390	160	M24	75	880	110	279.4	241.3	25.4	8	23
BC-45075-C	450	400	390	160	M24	75	920	110	279.4	241.3	25.4	8	23
CC-45100-C	450	400	390	160	M24	75	1080	110	279.4	241.3	25.4	8	23
BBC-45120-C	450	400	390	160	M24	75	1310	110	279.4	241.3	25.4	8	23
BBC-45145-C	450	400	390	160	M24	75	1350	110	279.4	241.3	25.4	8	23
EC-65050-C	450	450	470	160	M24	75	1030	170	406.4	362	30.3	12	26
EC-65060-C	450	450	470	160	M24	75	1070	170	406.4	362	30.3	12	26
EC-65075-C	450	450	470	160	M24	75	1270	170	406.4	362	30.3	12	26
FC-65050-C	450	500	490	160	M24	75	1020	230	482.6	431.8	31.8	12	26
GC-65050-C	450	500	490	160	M24	75	1020	230	482.6	431.8	31.8	12	26
EEC-65100-C	450	500	490	160	M24	75	1570	230	482.6	431.8	31.8	12	26
EEC-65120-C	450	500	490	160	M24	75	1640	230	482.6	431.8	31.8	12	26
EEC-65145-C	450	500	490	160	M24	75	1720	230	482.6	431.8	31.8	12	26
D2C-105050-C	450	750	650	200	M24	99	1940	890	699	635	43	20	32
D2C-105060-C	450	750	650	200	M24	99	2040	890	699	635	43	20	32
G1C-105075-C	450	750	650	200	M24	99	2420	890	699	635	43	20	32
G1C-105100-C	450	750	650	200	M24	99	2745	890	699	635	43	20	32
G2C-85120-C	450	750	650	200	M24	99	2710	890	699	635	43	20	32
G2C-85145-C	450	750	650	200	M24	99	2840	890	699	635	43	20	32
G3C-65175-C	450	750	650	200	M24	99	2660	890	699	635	43	20	32
G3C-65200-C	450	750	650	200	M24	99	2830	890	699	635	43	20	32
G3C-65215-C	450	750	650	200	M24	99	2840	890	699	635	43	20	32
G3C-65245-C	450	750	650	200	M24	99	3010	890	699	635	43	20	32

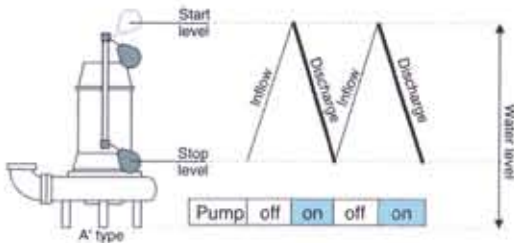
Units:mm unless otherwise specified

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 stop 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.



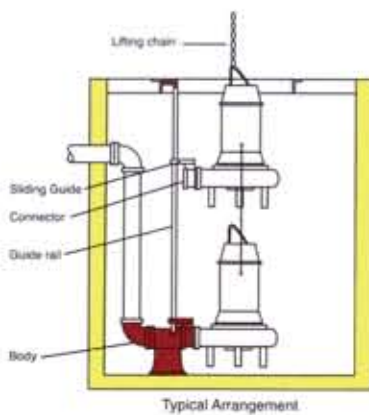
FLOAT SWITCH

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



Typical Arrangement



EBARA Pump with QDC - Typical Arrangement

Note: All specifications subject to change without prior notice.



EBARA CORPORATION
Global Pump Business Unit
Website : <http://www.ebara.co.jp>