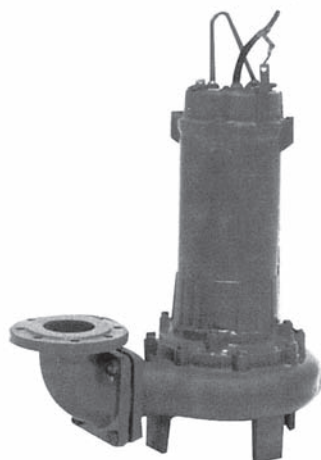
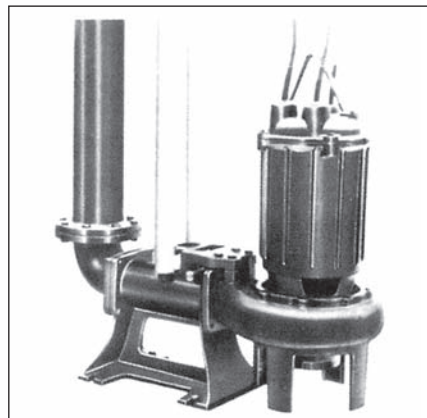


SUBMERSIBLE SEWAGE PUMPS - Non-clog



Model DL
Manual type



Model DL
with Quick Discharge Connector

APPLICATIONS

- Sewage
- Waste water
- Storm water drainage

FEATURES

- Unique impeller design prevents overload under severe operating conditions.
- Semi-open non-clog impellers prevent pump clog by foreign matter.
- The protective device built into the motor prevents the motor from damage as a result of over-current or abnormal temperature rise of the coil.
- Optional Quick Discharge Connector facilitates easy installation and maintenance.
- Range of models up to 300mm discharge size and 45kW available.

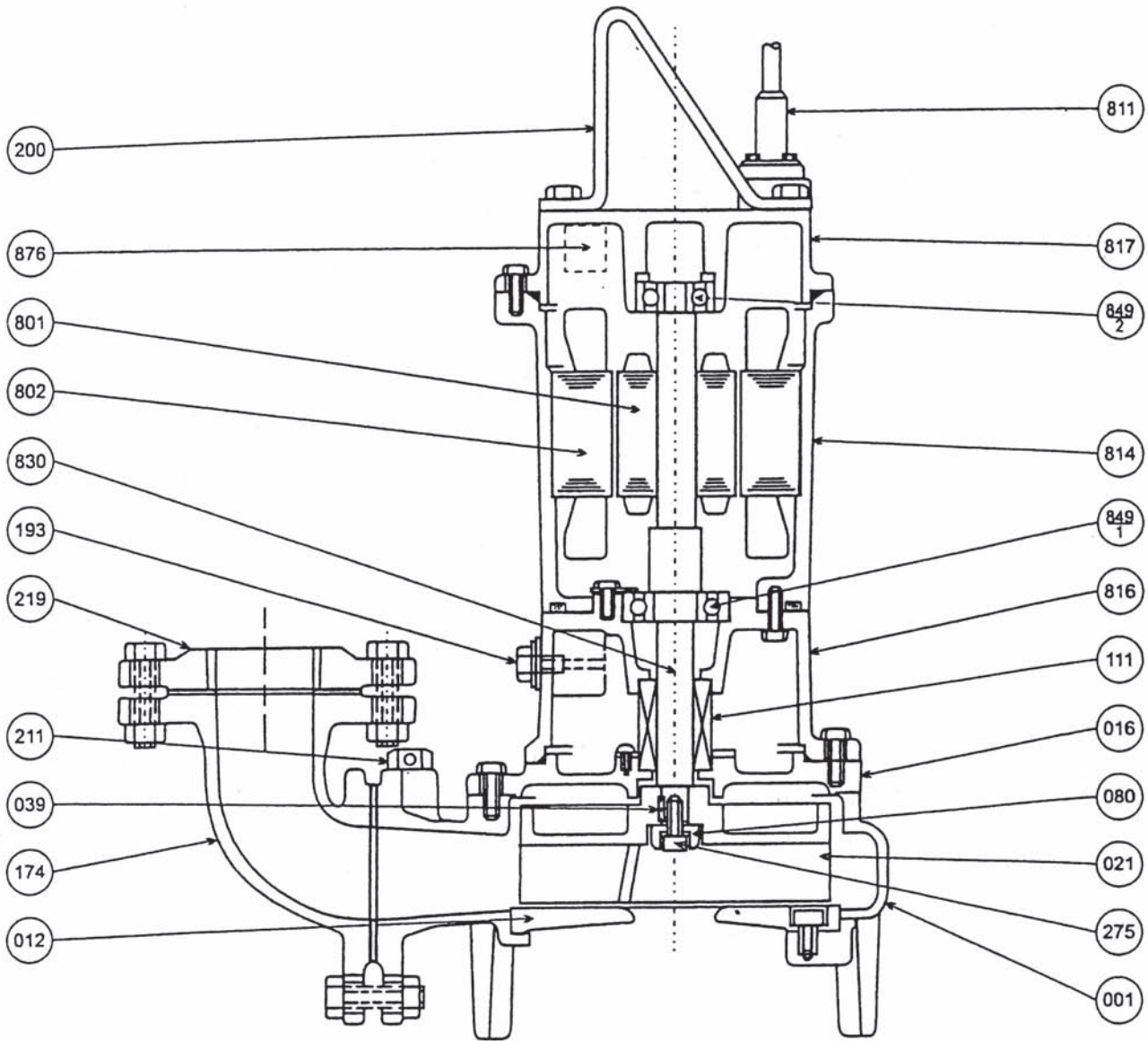
ACCESSORIES

- Submersible cable : 10m

SPECIFICATIONS

Pump			
Liquid Handled	Type of liquid	Sewage and waste water	
	Temperature	40°C (manual & A' Type) : 32°C (J' Type)	
	Max. solid	up to 88mm solids / 110mm fiber	
Maximum Submergence		8m	
Minimum Submergence		Refer to low water level (L.W.L) in dimension	
Synchronous Speed		1450 rpm (4 poles)	
Construction	Mechanical seal	Oil lubricated, double mechanical seal	
	Impeller	Non-clog, semi open	
	Bearing	Pre lubricated. Sealed ball bearing	
Material	Casing	Cast iron	
	Impeller	Cast iron	
	Shaft	403 stainless steels	
	Mechanical seal	Impeller side	Silicon carbide
		Motor side	Carbon / Ceramic
Lubricating oil	Turbine oil VG32 (SAE low / 20W)		
Motor			
Type	Air filled watertight		
Insulation	Class F		
Protection	Built-in overload protection (up to 7.5 kW), Built-in temperature detector protector (11 to 45 kW)		
Accessories			
Standard	Cable 10m. Discharge elbow		
Optional	Quick discharge connector (QDC)		

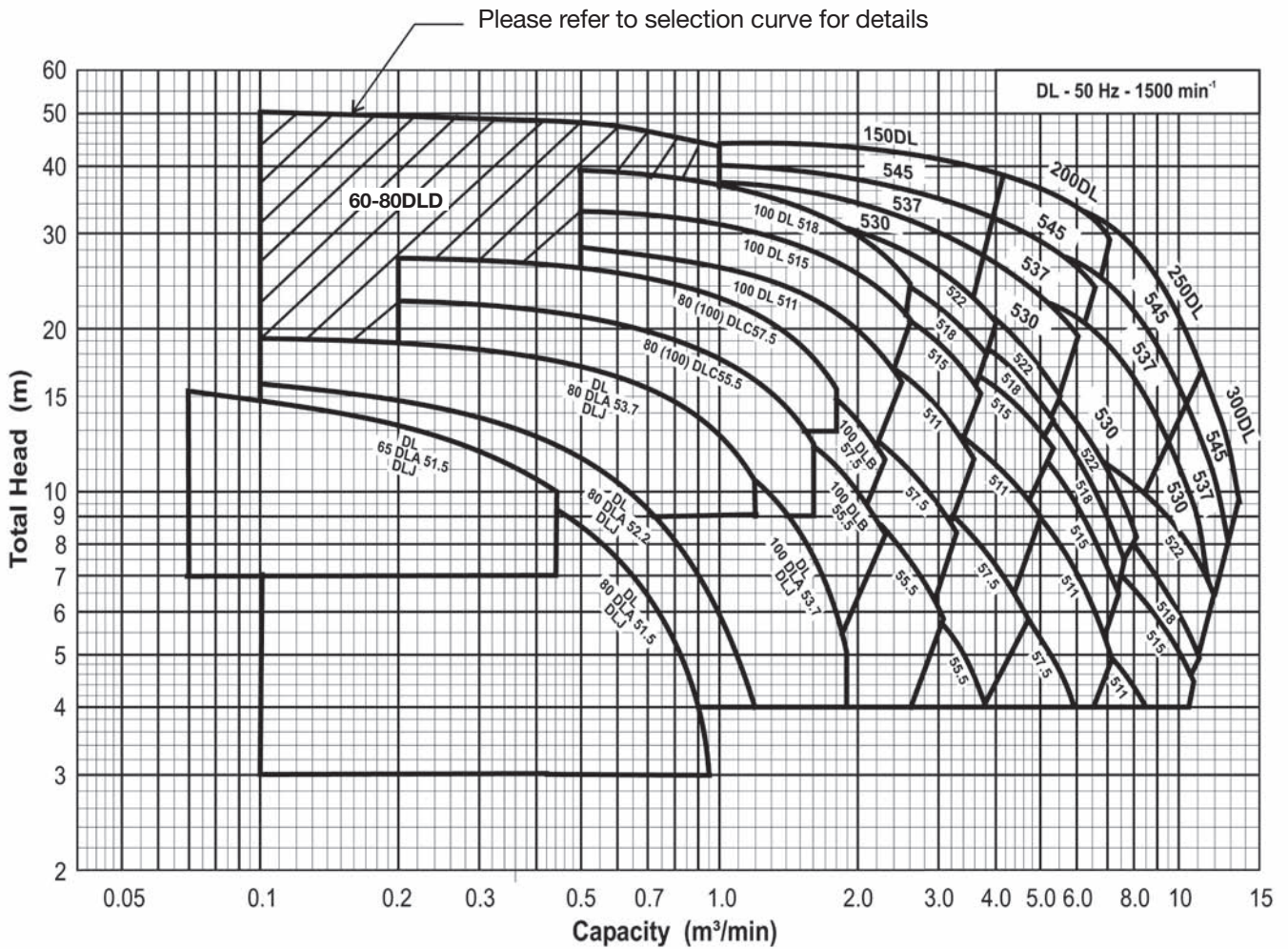
SECTION VIEW



Item Number	Description	Material	Quantity per unit
001	Casing	FC200 Cast iron	1
012	Suction Cover	FC200 Cast Iron	1
016	Mechanical Seal Cover	FC200 Cast Iron	1
021	Impeller	FC200 Cast Iron	1
039	Impeller Key	SUS Stainless Steel	1
080	Bushing	SS Steel	1
111	Mechanical Seal		1
174	Discharge Elbow	FC200 Cast iron	1
193	Oil Plug	C3604 or SUS304 Brass or Stainless Steel	1
200	Lifting Hanger	SS Steel	1
211	Airvent Valve	C3604 Brass	1
219	Companion Flange	FC200 Cast iron	1

Item Number	Description	Material	Quantity per unit
275	Impeller Bolt	SUS304 Stainless Steel	1
801	Rotor		1
802	Stator		1
811	Cable		1
814	Motor Frame	FC150 Cast Iron	1
816	Lower Bracket	FC150 Cast Iron	1
817	Upper Bracket	FC150 Cast iron	1
830	Shaft #	SUS403 Stainless Steel	1
849-1	Ball Bearing		1
849-2	Ball Bearing		1
876	Auto Cut		1

refers to pump side of shaft material

SELECTION CHART
1450 min⁻¹

Model code

○ x 80 DLA 5 3.7

- x Suction size (mm) : Dry Pit version only
- 80 Discharge size (mm)
- DLA Model
 - DL = Manual version
 - DLA = Automatic version
 - DLJ = Parallel alternating version
 - DDL = Dry Pit version
- 5 Frequency (5 = 50 Hz)
- 3.7 Motor output (kW)

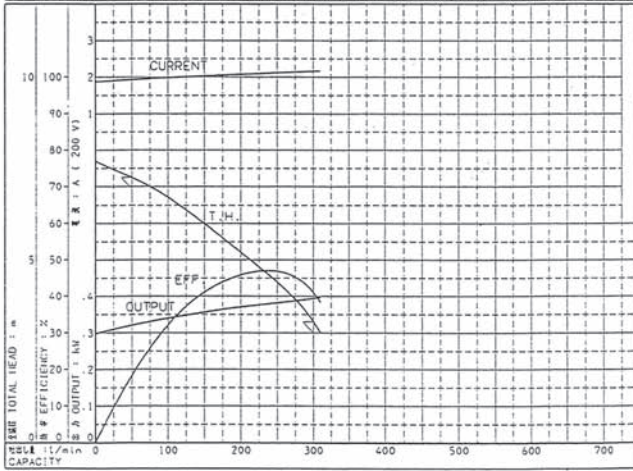
PERFORMANCE CURVE

 1450 min⁻¹

50DL5.4

0.4 kw

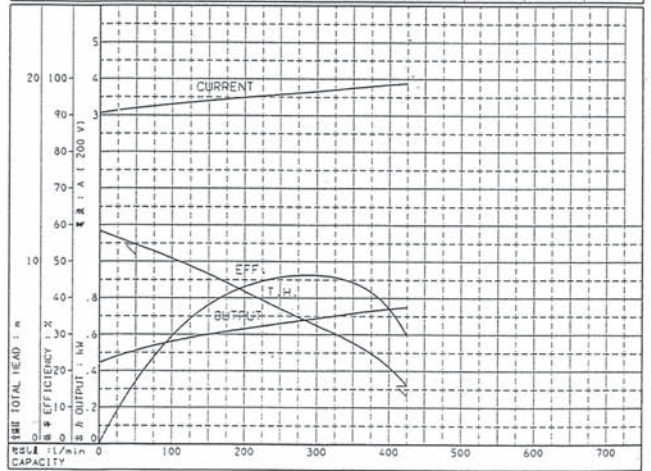
TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						
	吐出量 CAPACITY	全揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			出力 OUTPUT
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0.0	7.7	0.0	1.870	0.451	66.2	0.940	0.451	66.2	0.298
2	100.0	6.7	32.1	1.980	0.512	66.4	0.990	0.512	66.4	0.340
3	200.0	5.2	45.6	2.070	0.562	66.1	1.040	0.562	66.1	0.371
4	300.0	3.3	40.9	2.150	0.601	65.6	1.080	0.601	65.6	0.394
5	310.0	3.0	38.1	2.160	0.606	65.6	1.080	0.606	65.6	0.397



50DL5.75

0.75 kw

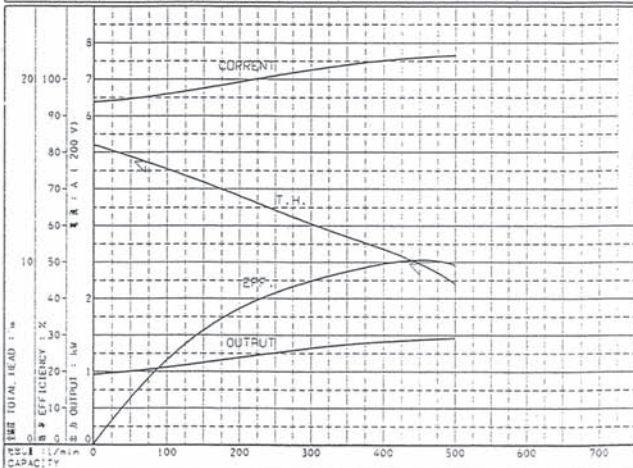
TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						
	吐出量 CAPACITY	全揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			出力 OUTPUT
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0.0	11.7	0.0	3.060	0.642	69.4	1.530	0.642	69.4	0.445
2	150.0	9.3	37.8	3.400	0.843	71.2	1.700	0.843	71.2	0.600
3	250.0	7.4	45.6	3.570	0.930	71.0	1.790	0.930	71.0	0.660
4	400.0	4.2	37.0	3.840	1.055	70.2	1.920	1.055	70.2	0.740
5	425.0	3.2	29.5	3.880	1.070	70.1	1.940	1.070	70.1	0.750



65DL51.5

1.5 kw

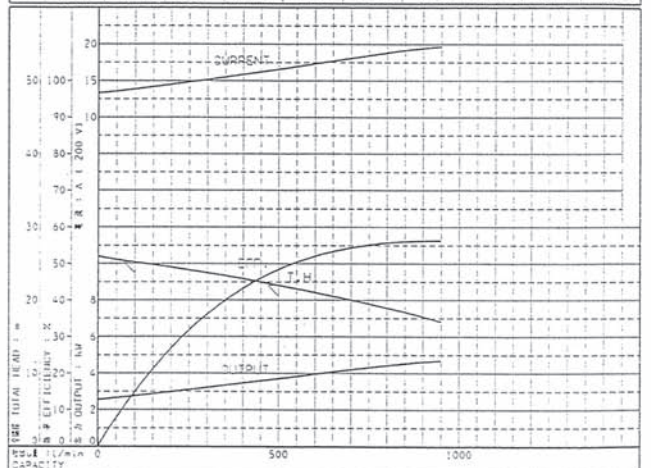
TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						
	吐出量 CAPACITY	全揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			出力 OUTPUT
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0.0	16.4	0.0	6.380	1.408	68.2	3.190	1.408	68.2	0.950
2	200.0	13.6	37.2	6.920	1.683	70.8	3.460	1.683	70.8	1.191
3	300.0	12.1	44.7	7.260	1.843	71.7	3.630	1.843	71.7	1.321
4	400.0	10.7	49.4	7.510	1.956	72.1	3.760	1.956	72.1	1.410
5	500.0	8.8	49.1	7.650	2.020	72.3	3.830	2.020	72.3	1.460



65DL55.5

5.5 kw

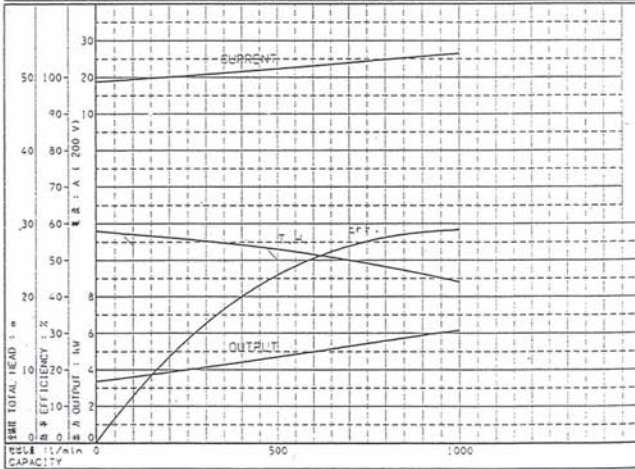
TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						
	吐出量 CAPACITY	全揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			出力 OUTPUT
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0.0	26.0	0.0	13.32	3.628	70.3	6.560	3.628	70.3	2.550
2	100.0	25.2	14.9	13.85	3.855	71.4	6.930	3.855	71.4	2.752
3	500.0	22.0	48.4	16.55	4.936	75.0	8.280	4.936	75.0	3.702
4	700.0	20.0	54.3	18.08	5.516	76.1	9.040	5.516	76.1	4.197
5	950.0	17.0	56.2	19.62	6.094	76.8	9.810	6.094	76.8	4.580



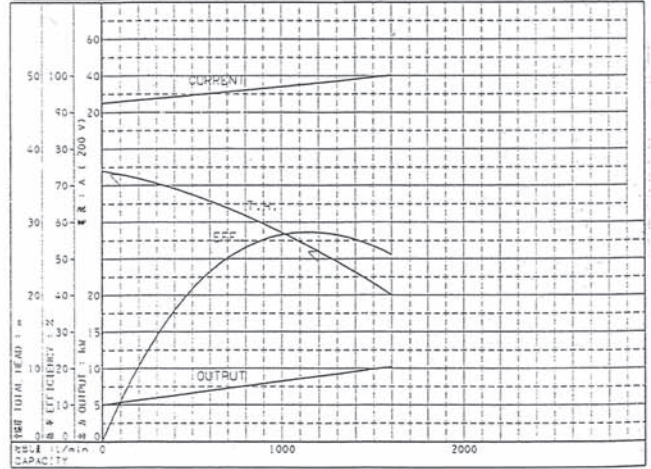
PERFORMANCE CURVE

 1450 min⁻¹
65DLD57.5 7.5 kw

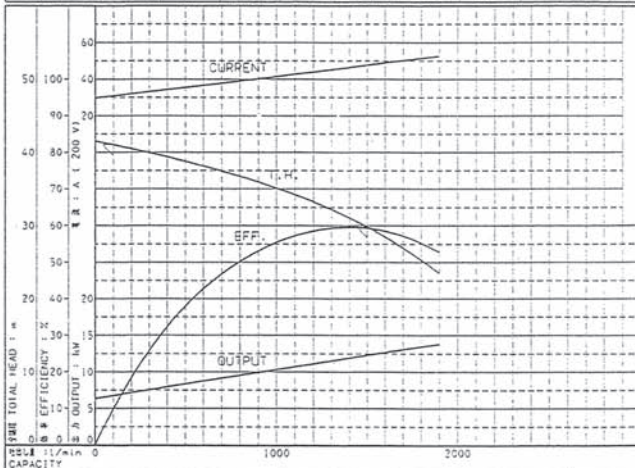
TEST NO.	ポンプ PUMP			三相誘起電動機 MOTOR						
	吐出能力 CAPACITY L/min	全揚程 TOTAL HEAD m	効率 EFF. %	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT A	入力 INPUT kW	効率 EFF. %	電流 CURRENT A	入力 INPUT kW	効率 EFF. %	
1	0	29.0	0.0	18.77	4.754	70.5	9.38	4.754	70.5	3.351
2	100	28.5	12.9	19.38	5.028	71.6	9.69	5.028	71.6	3.600
3	500	26.5	45.9	22.26	6.250	75.2	11.13	6.250	75.2	4.700
4	800	24.1	56.2	24.79	7.270	76.9	12.39	7.270	76.9	5.590
5	1000	22.0	58.3	26.48	7.926	77.6	13.24	7.926	77.6	6.150


65DL511 11 kw

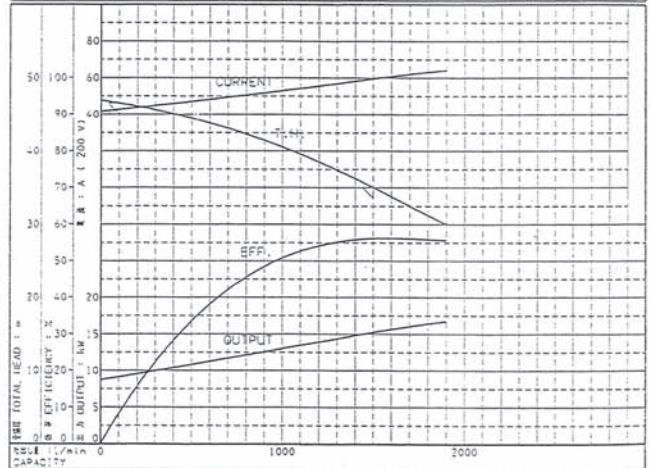
TEST NO.	ポンプ PUMP			三相誘起電動機 MOTOR						
	吐出能力 CAPACITY L/min	全揚程 TOTAL HEAD m	効率 EFF. %	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT A	入力 INPUT kW	効率 EFF. %	電流 CURRENT A	入力 INPUT kW	効率 EFF. %	
1	0	37.0	0.0	25.02	6.72	74.5	12.51	6.72	74.5	5.00
2	100	36.5	11.1	25.85	7.06	75.4	12.92	7.06	75.4	5.32
3	700	31.9	50.2	31.12	9.16	79.2	15.56	9.16	79.2	7.25
4	1200	29.0	57.1	36.02	10.99	81.0	18.01	10.99	81.0	8.90
5	1600	20.0	51.1	40.14	12.47	81.8	20.07	12.47	81.8	10.20


65DL515 15 kw

TEST NO.	ポンプ PUMP			三相誘起電動機 MOTOR						
	吐出能力 CAPACITY L/min	全揚程 TOTAL HEAD m	効率 EFF. %	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT A	入力 INPUT kW	効率 EFF. %	電流 CURRENT A	入力 INPUT kW	効率 EFF. %	
1	0	41.5	0.0	29.67	8.36	75.6	14.84	8.36	75.6	6.22
2	100	41.0	9.9	30.92	8.81	76.5	15.66	8.81	76.5	6.74
3	800	36.7	50.2	38.97	11.86	80.3	19.48	11.86	80.3	9.52
4	1500	29.8	59.2	47.64	14.99	82.1	23.82	14.99	82.1	12.30
5	1900	23.5	52.7	52.59	16.73	82.5	26.29	16.73	82.5	13.80


65DL518 18.5 kw

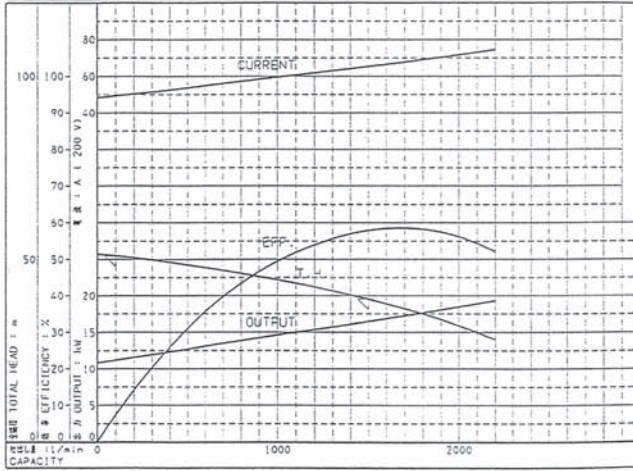
TEST NO.	ポンプ PUMP			三相誘起電動機 MOTOR						
	吐出能力 CAPACITY L/min	全揚程 TOTAL HEAD m	効率 EFF. %	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT A	入力 INPUT kW	効率 EFF. %	電流 CURRENT A	入力 INPUT kW	効率 EFF. %	
1	0	46.9	0.0	41.52	10.95	79.7	20.75	10.95	79.7	8.72
2	100	46.5	8.3	42.50	11.36	80.3	21.25	11.36	80.3	9.12
3	800	42.3	45.5	50.49	14.57	83.2	25.24	14.57	83.2	12.12
4	1500	35.0	56.1	59.48	17.95	84.9	29.76	17.95	84.9	15.24
5	1900	30.0	55.6	63.95	19.59	85.3	31.97	19.59	85.3	16.71



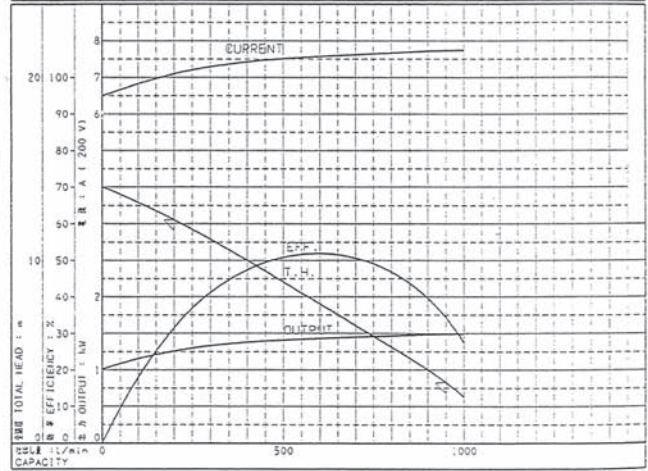
PERFORMANCE CURVE

 1450 min⁻¹
65DL522
22 kw

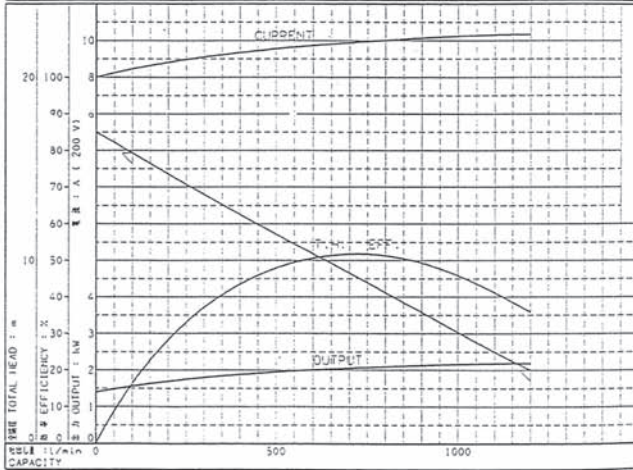
TEST NO.	ポンプ PUMP			三相誘起電動機 MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	51.5	0.0	48.33	13.72	79.1	24.17	13.72	79.1	10.25
2	100	51.0	7.4	49.24	14.10	79.4	24.62	14.10	79.4	11.19
3	800	46.1	43.3	57.14	17.01	81.5	28.57	17.01	81.5	13.86
4	1500	39.0	57.8	65.27	19.92	82.7	32.64	19.92	82.7	16.47
5	2200	28.0	52.0	74.53	23.09	83.6	37.27	23.09	83.6	19.30


80DL51.5
1.5 kw

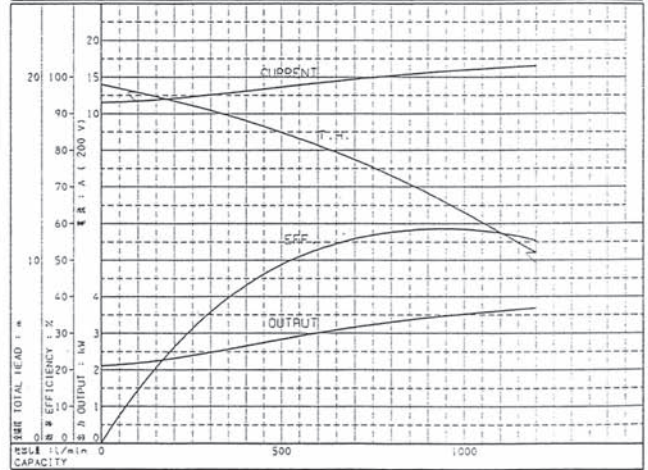
TEST NO.	ポンプ PUMP			三相誘起電動機 MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	14.0	0.0	6.490	1.466	68.9	3.250	1.466	68.9	1.210
2	400	10.0	47.2	7.430	1.916	72.0	3.720	1.916	72.0	1.379
3	600	7.6	51.9	7.570	1.982	72.2	3.790	1.982	72.2	1.431
4	900	4.0	39.5	7.710	2.050	72.3	3.860	2.050	72.3	1.482
5	1000	2.5	27.3	7.740	2.061	72.3	3.870	2.061	72.3	1.490


80DL52.2
2.2 kw

TEST NO.	ポンプ PUMP			三相誘起電動機 MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	17.0	0.0	3.00	2.057	67.6	4.000	2.057	67.6	1.190
2	400	12.5	43.3	4.35	2.645	71.0	4.680	2.645	71.0	1.873
3	700	9.3	51.7	4.87	2.860	71.7	4.940	2.860	71.7	2.050
4	1100	5.0	41.1	10.30	3.021	72.2	5.150	3.021	72.2	2.181
5	1200	4.0	35.7	10.33	3.034	72.2	5.170	3.034	72.2	2.190


80DL53.7
3.7 kw

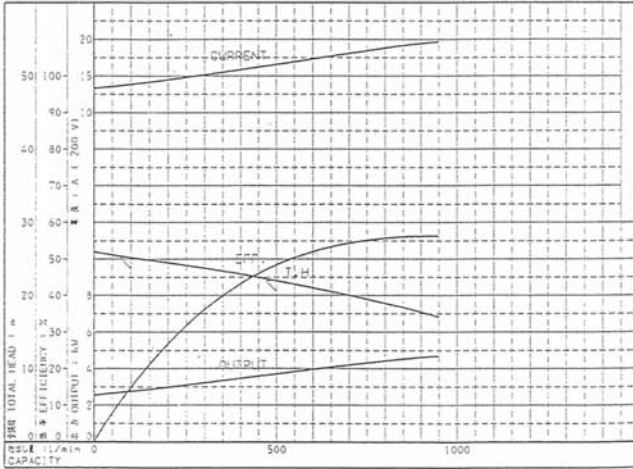
TEST NO.	ポンプ PUMP			三相誘起電動機 MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	19.6	0.0	11.51	3.184	66.3	5.760	3.184	66.3	2.111
2	400	17.6	43.2	13.06	3.837	69.2	6.530	3.837	69.2	2.653
3	800	14.6	57.6	15.16	4.639	71.2	7.580	4.639	71.2	3.303
4	1000	12.6	58.3	15.93	4.915	71.6	7.970	4.915	71.6	3.519
5	1200	10.4	55.2	16.50	5.120	71.9	8.250	5.120	71.9	3.681



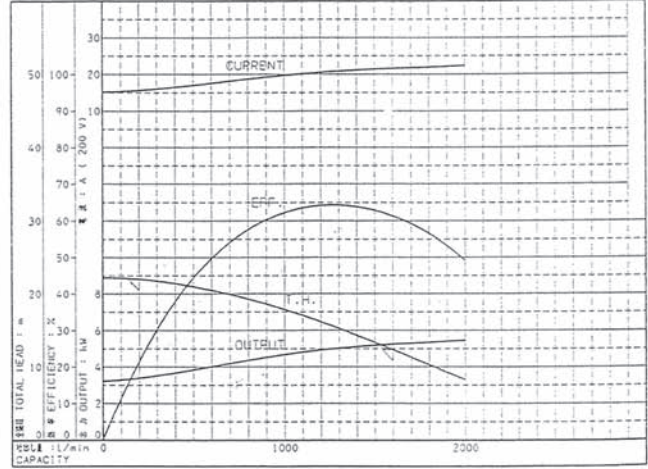
PERFORMANCE CURVE

 1450 min⁻¹
80DLD55.5 5.5 kw

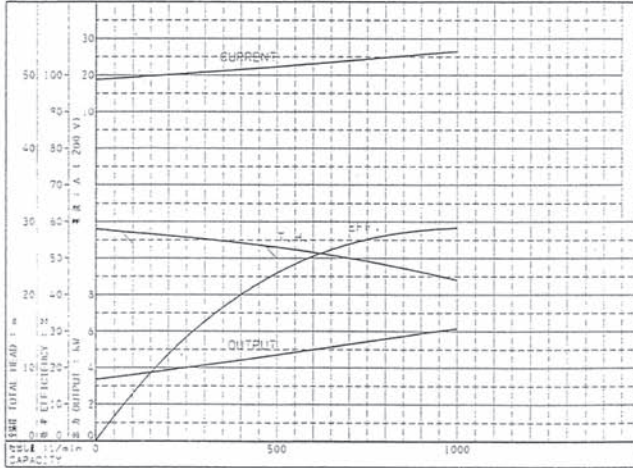
TEST NO.	ポンプ PUMP			モーター MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0.0	26.0	0.0	13.32	3.628	70.3	6.660	3.628	70.3	2.550
2	100.0	25.2	14.9	13.85	3.855	71.4	6.930	3.855	71.4	2.752
3	500.0	22.0	48.4	16.55	4.936	75.0	6.280	4.936	75.0	3.702
4	700.0	20.0	54.3	18.08	5.516	76.1	6.040	5.516	76.1	4.197
5	950.0	17.0	56.2	19.62	6.094	76.8	6.094	6.094	76.8	4.680


80DLC55.5 5.5 kw

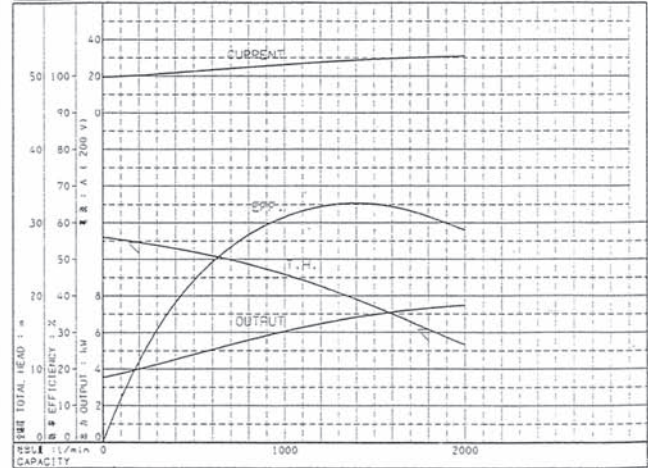
TEST NO.	ポンプ PUMP			モーター MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	22.2	0.0	15.20	4.384	73.5	7.60	4.384	73.5	3.222
2	650	20.2	52.1	17.80	5.404	75.9	8.90	5.404	75.9	4.101
3	1000	17.8	62.1	19.70	6.082	76.8	9.85	6.082	76.8	4.671
4	1400	14.3	63.8	21.10	6.618	77.2	10.55	6.618	77.2	5.109
5	2000	8.2	48.9	22.30	7.047	77.5	11.15	7.047	77.5	5.461


80DLD57.5 7.5 kw

TEST NO.	ポンプ PUMP			モーター MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	29.0	0.0	18.77	4.754	70.3	9.38	4.754	70.3	3.351
2	100	28.5	12.9	19.38	5.028	71.6	9.69	5.028	71.6	3.600
3	500	26.5	45.9	22.26	6.250	75.2	11.13	6.250	75.2	4.700
4	800	24.1	56.2	24.79	7.270	76.9	12.39	7.270	76.9	5.390
5	1000	22.0	58.3	26.48	7.926	77.6	13.24	7.926	77.6	5.150


80DLC57.5 7.5 kw

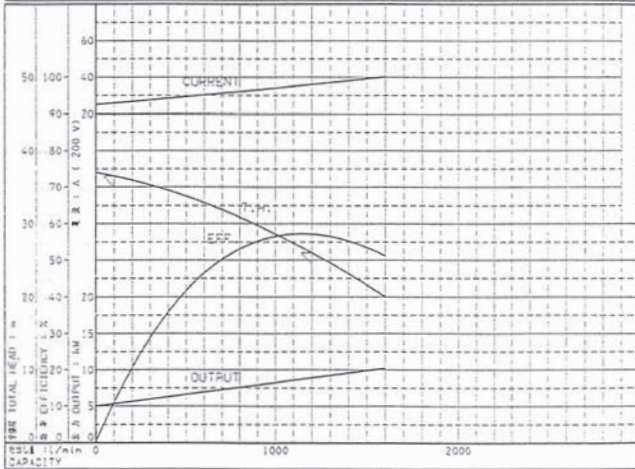
TEST NO.	ポンプ PUMP			モーター MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	28.0	0.0	19.30	4.951	71.3	9.65	4.951	71.3	3.530
2	700	24.9	53.3	24.00	6.962	76.5	12.00	6.962	76.5	5.328
3	1200	21.3	64.3	27.50	8.306	77.9	13.75	8.306	77.9	6.470
4	1500	18.5	64.9	29.10	8.894	78.3	14.55	8.894	78.3	6.964
5	2000	13.3	57.9	30.90	9.518	78.6	15.45	9.518	78.6	7.481



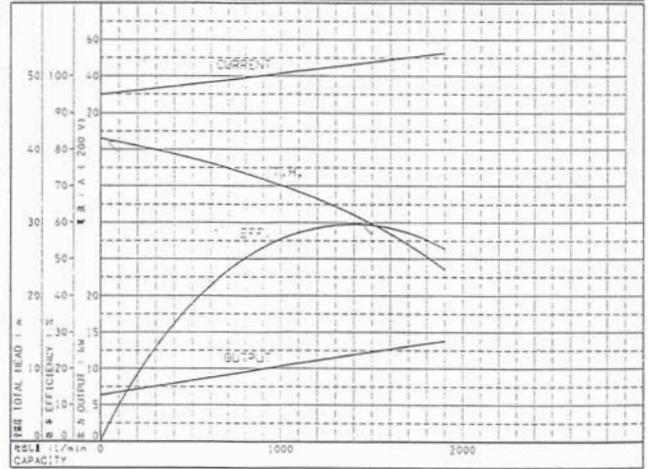
PERFORMANCE CURVE

 1450 min⁻¹
80DL511 11 kw

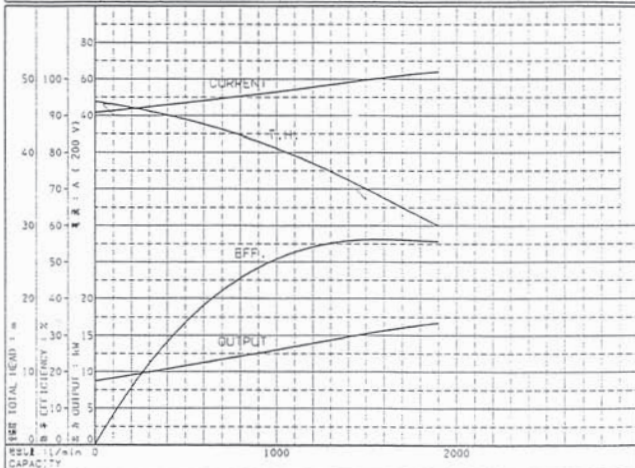
TEST NO.	ポンプ PUMP			モーター MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	37.0	0.0	25.02	6.72	74.5	12.51	6.72	74.5	5.00
2	100	36.5	11.1	25.85	7.06	75.4	12.92	7.06	75.4	5.32
3	700	31.9	50.2	31.12	9.16	79.2	15.56	9.16	79.2	7.25
4	1200	26.0	57.1	36.02	10.99	81.0	18.01	10.99	81.0	8.90
5	1600	20.0	51.1	40.14	12.47	81.8	20.07	12.47	81.8	10.20


80DL515 15 kw

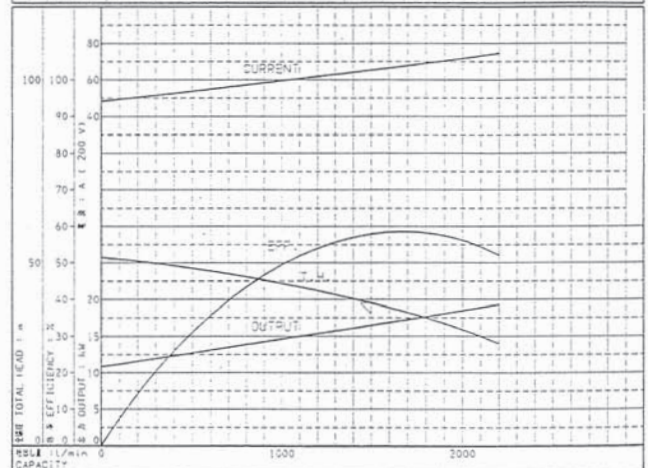
TEST NO.	ポンプ PUMP			モーター MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	41.5	0.0	29.57	8.36	75.5	14.84	8.36	75.5	6.32
2	100	41.0	9.9	30.92	8.81	76.5	15.45	8.81	76.5	6.74
3	800	36.7	50.2	36.97	11.86	80.3	19.45	11.86	80.3	9.52
4	1500	29.8	59.2	47.54	14.99	82.1	23.82	14.99	82.1	12.30
5	1900	23.5	52.7	52.59	16.73	82.5	26.29	16.73	82.5	13.80


80DL518 18.5 kw

TEST NO.	ポンプ PUMP			モーター MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	46.9	0.0	41.52	10.95	79.7	20.76	10.95	79.7	8.72
2	100	45.5	8.3	42.50	11.36	80.3	21.25	11.36	80.3	9.12
3	800	42.3	45.5	50.49	14.57	83.2	25.24	14.57	83.2	12.12
4	1500	35.0	56.1	59.48	17.95	84.9	29.74	17.95	84.9	15.24
5	1900	30.0	55.6	63.95	19.59	85.3	31.97	19.59	85.3	16.71


80DL522 22 kw

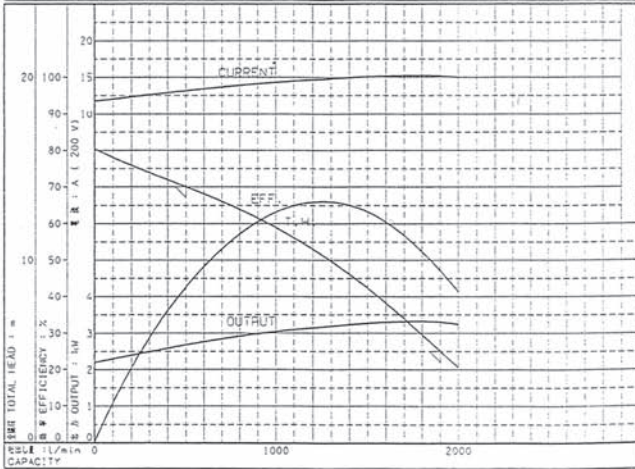
TEST NO.	ポンプ PUMP			モーター MOTOR						出力 OUTPUT
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	51.5	0.0	48.33	13.72	79.1	24.17	13.72	79.1	10.85
2	100	51.0	7.4	49.24	14.10	79.4	24.62	14.10	79.4	11.19
3	800	46.1	43.3	57.14	17.01	81.5	28.57	17.01	81.5	13.86
4	1500	39.0	57.8	65.27	19.92	82.7	32.54	19.92	82.7	16.47
5	2200	28.0	52.0	74.33	23.09	83.6	37.27	23.09	83.6	19.30



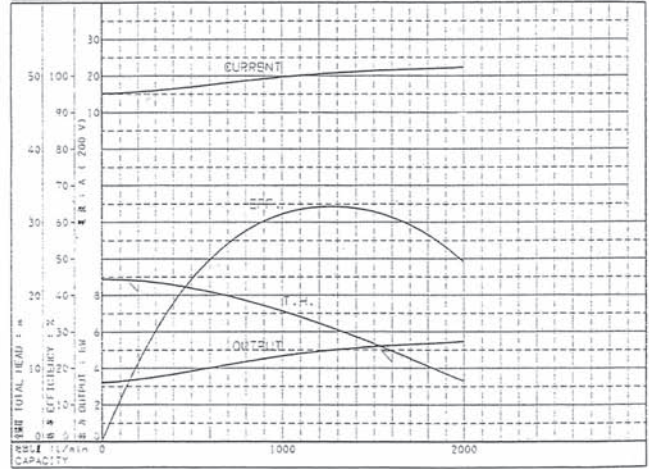
PERFORMANCE CURVE

 1450 min⁻¹
100DL53.7 3.7 kw

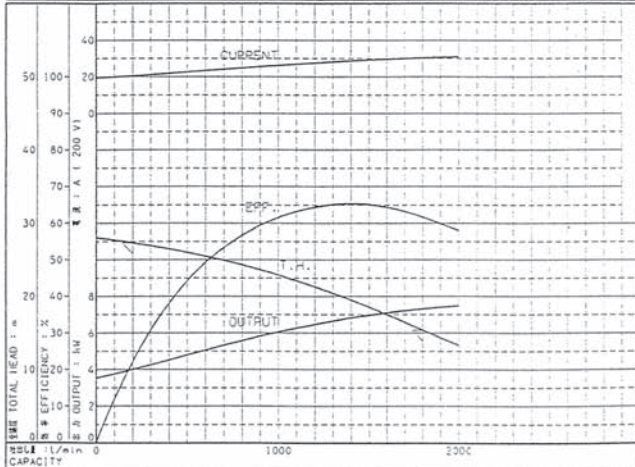
TEST NO.	ポンプ PUMP			モーター MOTOR						
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 200V E VOLTS (200V)			電圧 400V E VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	16.1	0.0	11.76	3.290	66.9	5.880	3.290	66.9	2.201
2	600	13.6	48.1	13.40	3.966	69.7	6.700	3.966	69.7	2.764
3	1200	10.6	65.8	14.65	4.439	70.9	7.330	4.439	70.9	3.147
4	1800	5.9	52.1	15.23	4.654	71.3	7.620	4.554	71.3	3.318
5	2000	4.1	41.2	14.95	4.559	71.1	7.460	4.559	71.1	3.241


100DL55.5 5.5 kw

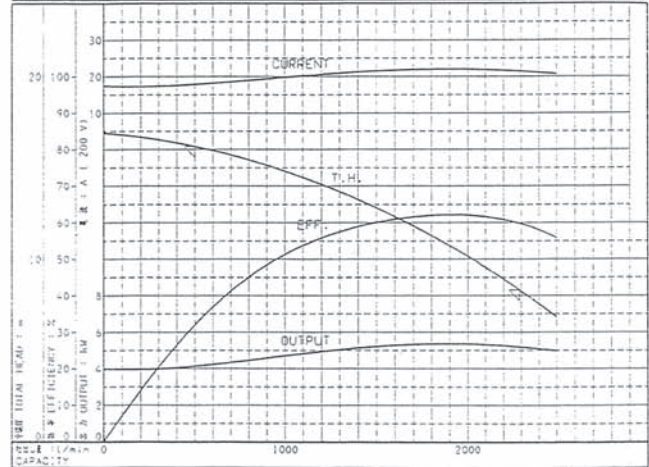
TEST NO.	ポンプ PUMP			モーター MOTOR						
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 200V E VOLTS (200V)			電圧 400V E VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	22.2	0.0	15.20	4.384	73.5	7.60	4.384	73.5	3.222
2	650	20.2	52.1	17.80	5.404	75.9	8.90	5.404	75.9	4.101
3	1000	17.8	62.1	19.70	6.082	76.8	9.85	6.082	76.8	4.671
4	1400	14.3	63.9	21.10	6.618	77.2	10.55	6.618	77.2	5.109
5	2000	8.2	48.9	22.30	7.047	77.5	11.15	7.047	77.5	5.461


100DL57.5 7.5 kw

TEST NO.	ポンプ PUMP			モーター MOTOR						
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 200V E VOLTS (200V)			電圧 400V E VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	28.0	0.0	19.30	4.951	71.3	9.63	4.951	71.3	3.330
2	700	24.9	53.3	24.00	6.462	76.5	12.00	6.462	76.5	3.325
3	1200	21.3	64.3	27.50	8.306	77.9	13.75	8.306	77.9	3.470
4	1500	18.5	64.9	29.10	8.894	78.3	14.53	8.894	78.3	3.764
5	2000	13.3	57.9	30.90	9.518	78.6	15.43	9.518	78.6	4.481


100DLB55.5 5.5 kw

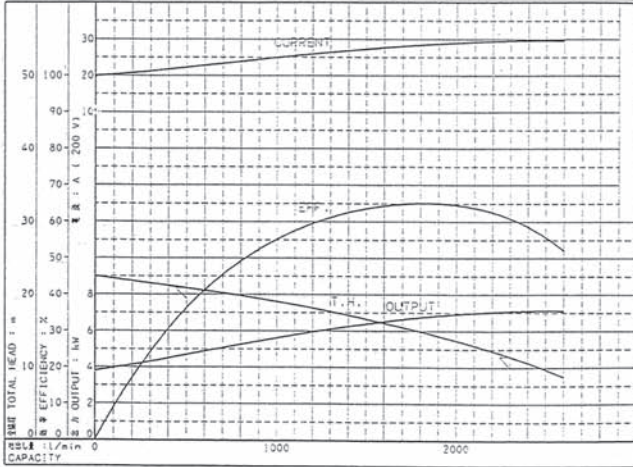
TEST NO.	ポンプ PUMP			モーター MOTOR						
	流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 200V E VOLTS (200V)			電圧 400V E VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	16.9	0.0	17.40	5.261	75.7	8.70	5.261	75.7	3.982
2	1000	14.8	51.3	19.70	6.123	76.8	9.85	6.123	76.8	4.702
3	1500	12.8	60.0	21.50	6.743	77.3	10.75	6.743	77.3	5.212
4	2200	8.9	60.7	21.60	6.792	77.3	10.80	6.792	77.3	5.250
5	2500	6.8	55.7	20.60	6.447	77.1	10.30	6.447	77.1	4.970



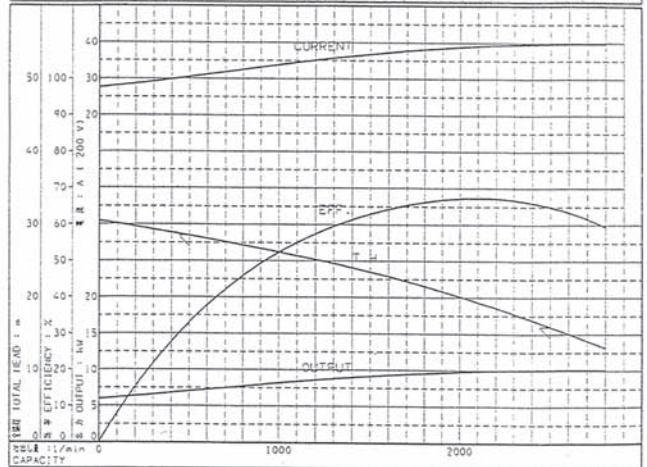
PERFORMANCE CURVE

 1450 min⁻¹
100DLB57.5 7.5 kw

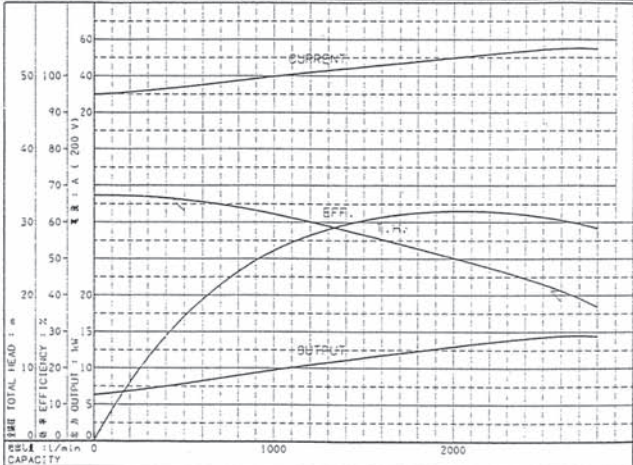
TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						出力 OUTPUT
	吐出容量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	22.5	0.0	19.90	5.242	72.5	9.95	5.242	72.5	3.800
2	1000	19.0	55.1	24.90	7.301	76.9	12.45	7.301	76.9	5.514
3	1700	15.5	64.7	28.00	8.493	78.1	14.00	8.493	78.1	6.633
4	2300	11.5	60.9	29.50	9.022	78.4	14.75	9.022	78.4	7.073
5	2600	8.7	52.0	29.50	9.048	78.4	14.75	9.048	78.4	7.093


100DL511 11 kw

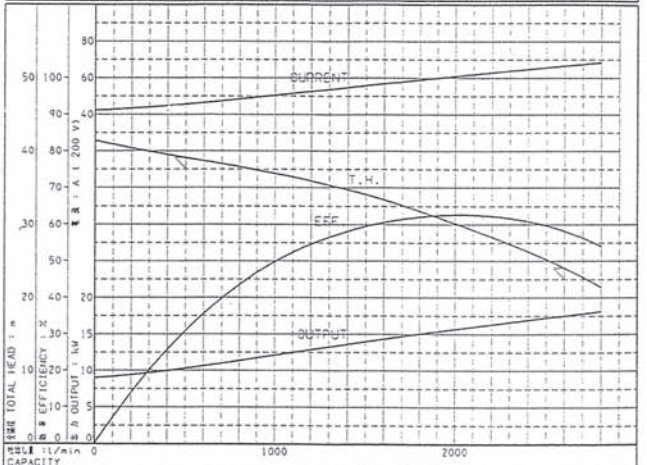
TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						出力 OUTPUT
	吐出容量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	30.5	0.0	27.60	7.74	76.9	13.80	7.74	76.9	5.95
2	1000	26.2	52.3	33.80	10.17	80.3	16.90	10.17	80.3	8.16
3	1700	22.2	65.3	37.70	11.59	81.3	18.90	11.59	81.3	9.42
4	2500	16.0	64.8	39.70	12.31	81.7	19.90	12.31	81.7	10.05
5	2800	13.1	59.3	39.80	12.34	81.7	19.90	12.34	81.7	10.08


100DL515 15 kw

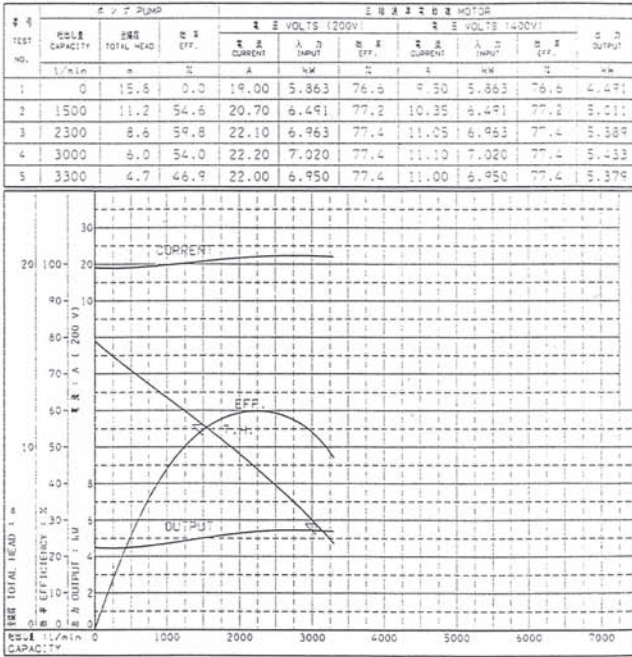
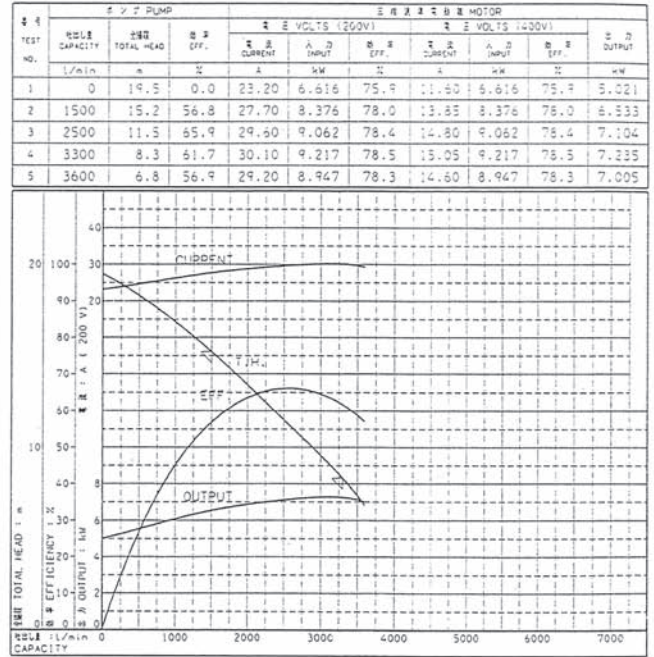
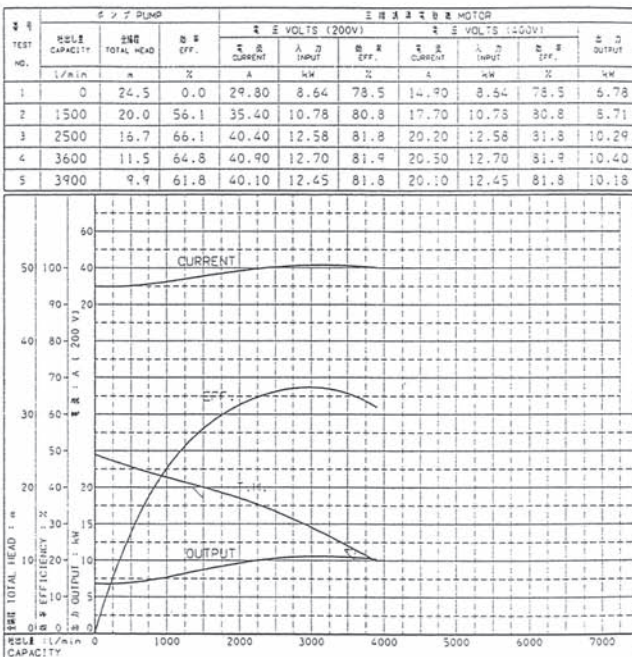
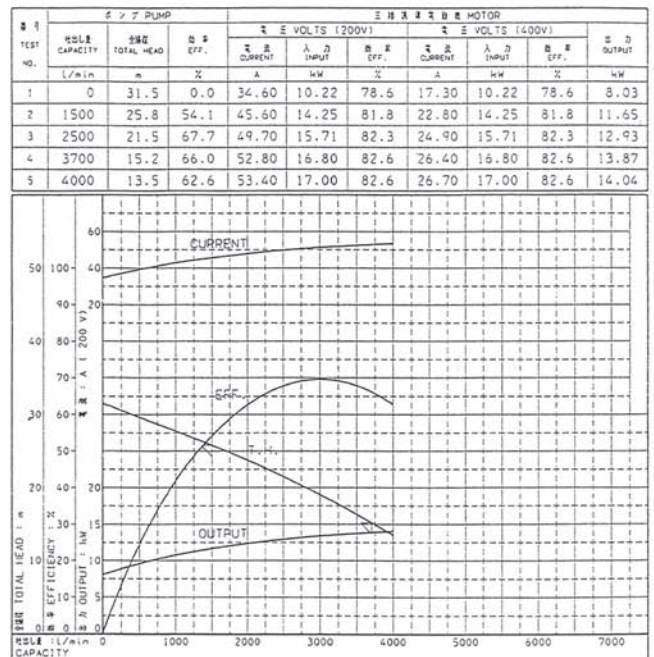
TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						出力 OUTPUT
	吐出容量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	33.5	0.0	29.60	8.32	75.5	14.80	8.32	75.5	6.28
2	1000	31.1	52.0	39.50	12.09	80.5	19.30	12.09	80.5	9.73
3	1700	27.0	62.0	46.90	14.70	82.0	23.50	14.70	82.0	12.05
4	2500	21.5	61.3	54.30	17.28	82.7	27.20	17.28	82.7	14.29
5	2800	18.4	58.3	54.70	17.42	82.7	27.40	17.42	82.7	14.40


100DL518 18.5 kw

TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						出力 OUTPUT
	吐出容量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	41.4	0.0	42.20	11.21	80.1	21.10	11.21	80.1	8.98
2	1000	36.9	49.7	50.40	14.55	83.2	25.20	14.55	83.2	12.10
3	1700	32.6	61.4	57.90	17.37	84.6	29.00	17.37	84.6	14.69
4	2500	25.2	59.6	65.60	20.13	85.5	32.80	20.13	85.5	17.21
5	2800	21.4	53.9	68.40	21.11	85.7	34.20	21.11	85.7	18.09



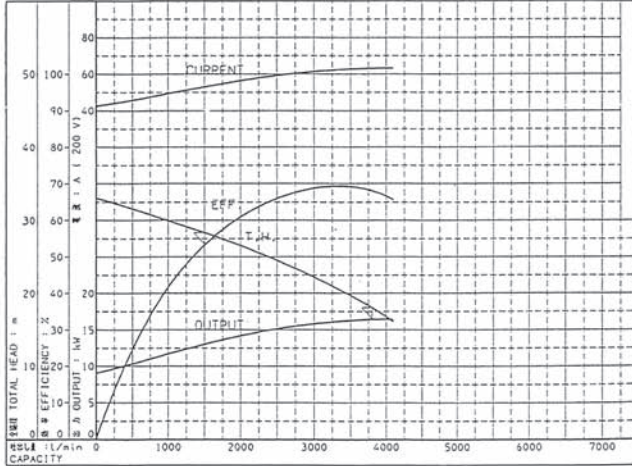
PERFORMANCE CURVE

 1450 min⁻¹
150DL55.5 5.5 kw

150DL57.5 7.5 kw

150DL511 11 kw

150DL515 15 kw


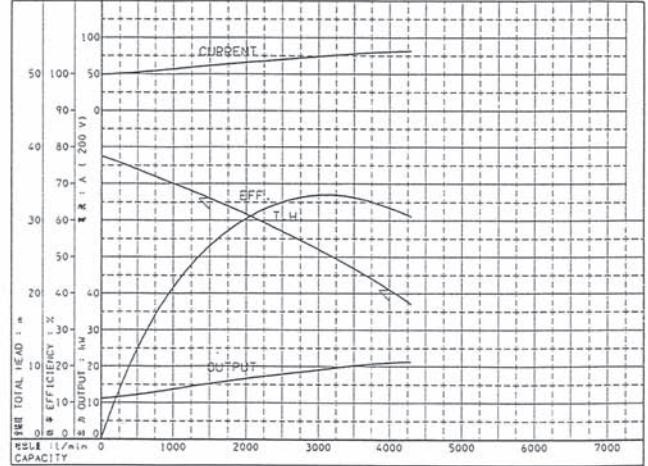
PERFORMANCE CURVE

 1450 min⁻¹
150DL518 18.5 kw

TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						出力 OUTPUT
	総流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	33.0	0.0	42.40	11.28	80.2	21.20	11.28	80.2	9.04
2	1500	28.3	53.1	53.00	15.54	83.8	26.50	15.54	83.8	13.02
3	2500	24.5	65.9	59.20	17.85	84.8	29.60	17.85	84.8	15.13
4	3800	18.0	67.9	63.00	19.23	85.3	31.50	19.23	85.3	16.40
5	4100	16.1	65.6	63.00	19.23	85.3	31.50	19.23	85.3	16.40


150DL522 22 kw

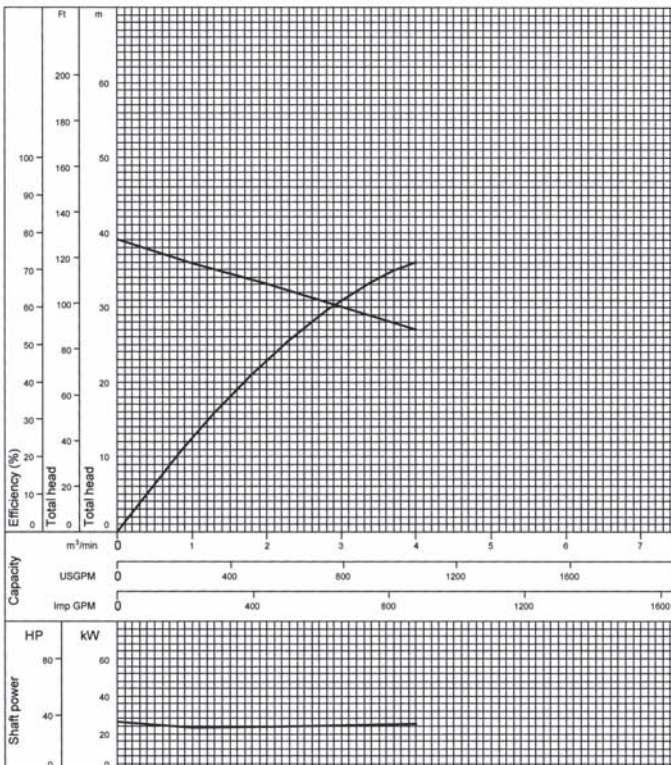
TEST NO.	ポンプ PUMP			三相誘起電機 MOTOR						出力 OUTPUT
	総流量 CAPACITY	総揚程 TOTAL HEAD	効率 EFF.	電圧 VOLTS (200V)			電圧 VOLTS (400V)			
				電流 CURRENT	入力 INPUT	効率 EFF.	電流 CURRENT	入力 INPUT	効率 EFF.	
1	0	38.8	0.0	49.10	14.02	79.4	24.60	14.02	79.4	11.13
2	1500	33.0	53.0	61.20	18.52	82.2	30.60	18.52	82.2	15.22
3	2500	28.5	65.0	69.90	21.47	83.2	35.00	21.47	83.2	17.86
4	4000	20.5	63.4	80.60	25.09	83.9	40.30	25.09	83.9	21.05
5	4300	18.5	60.9	81.30	25.34	83.9	40.70	25.34	83.9	21.26


150DL530

According to JIS testing code B8301, B8302

 50Hz (Nominal speed 1450min⁻¹)

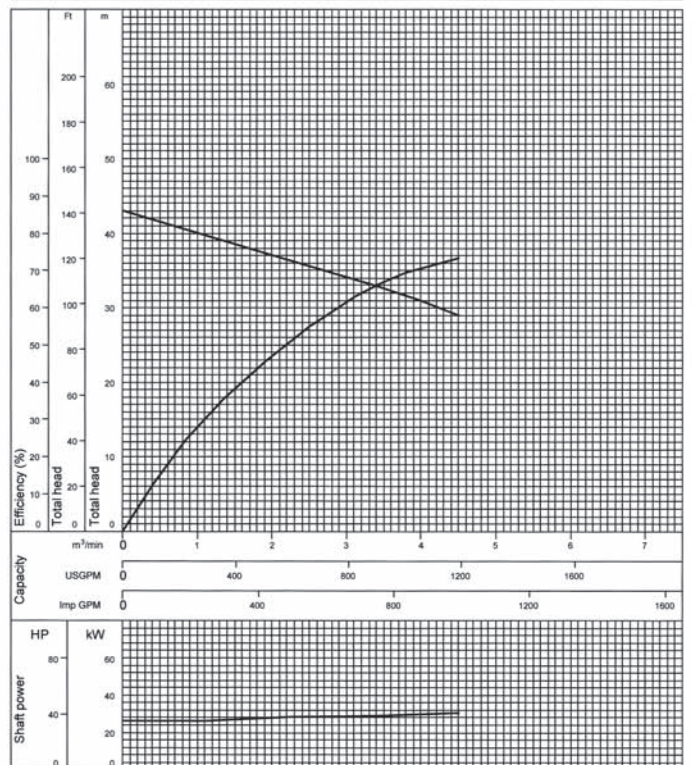
S.G. = 1.0 Vis. = 1.0 cSt


150DL537

According to JIS testing code B8301, B8302

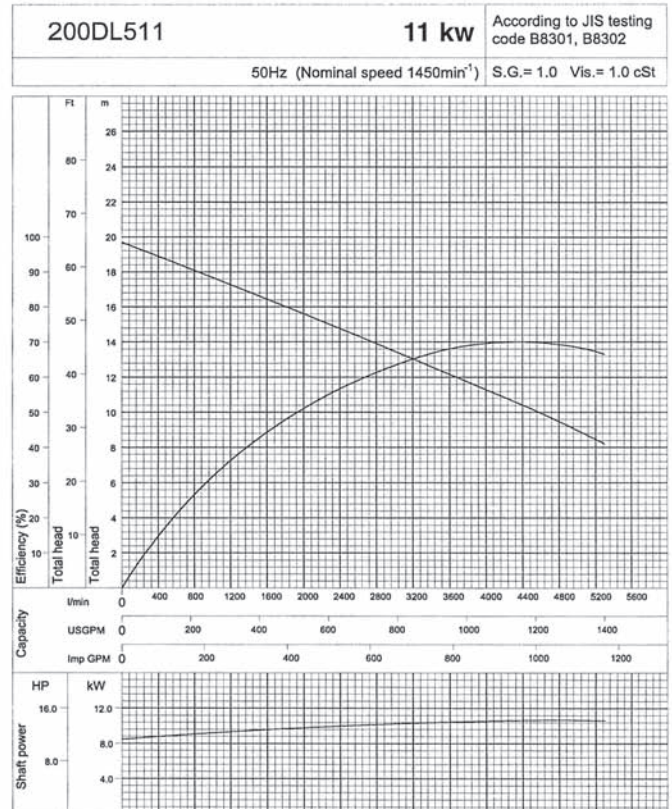
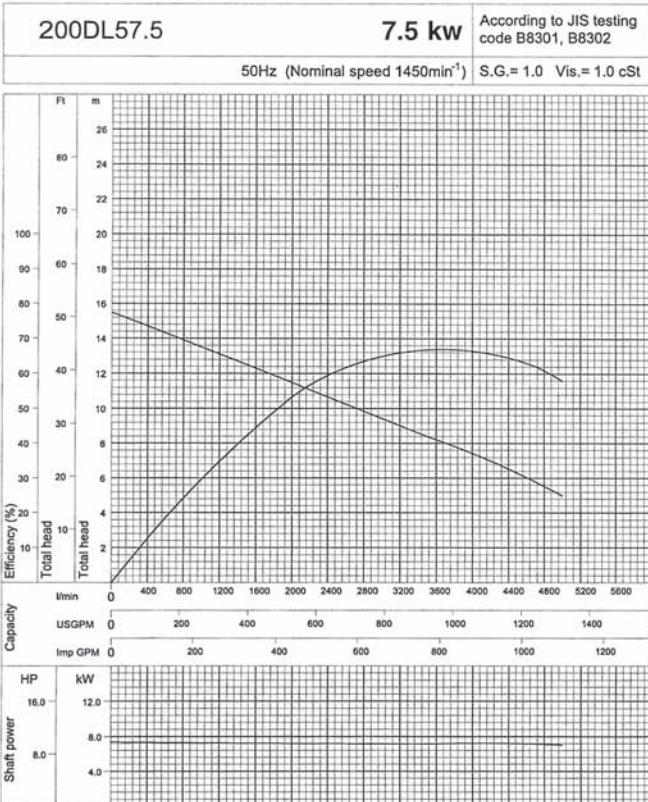
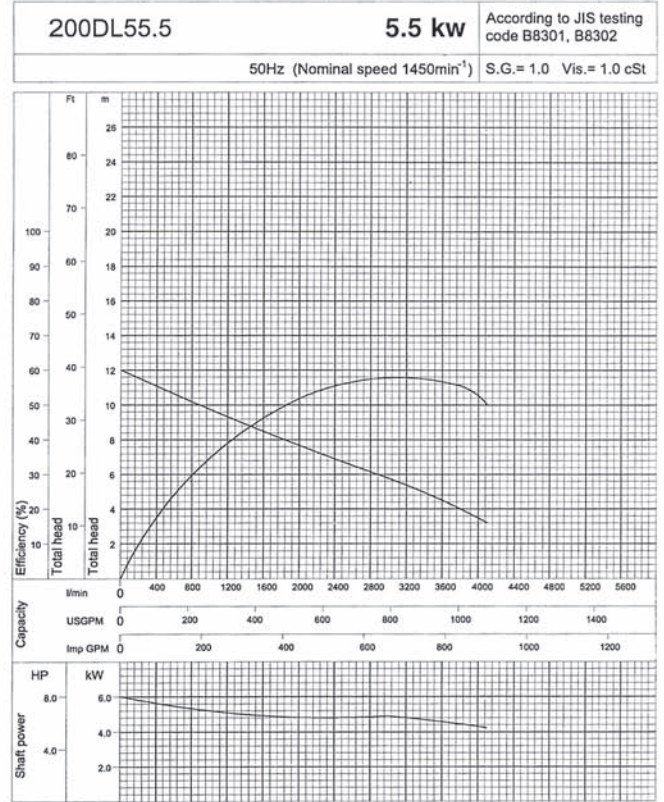
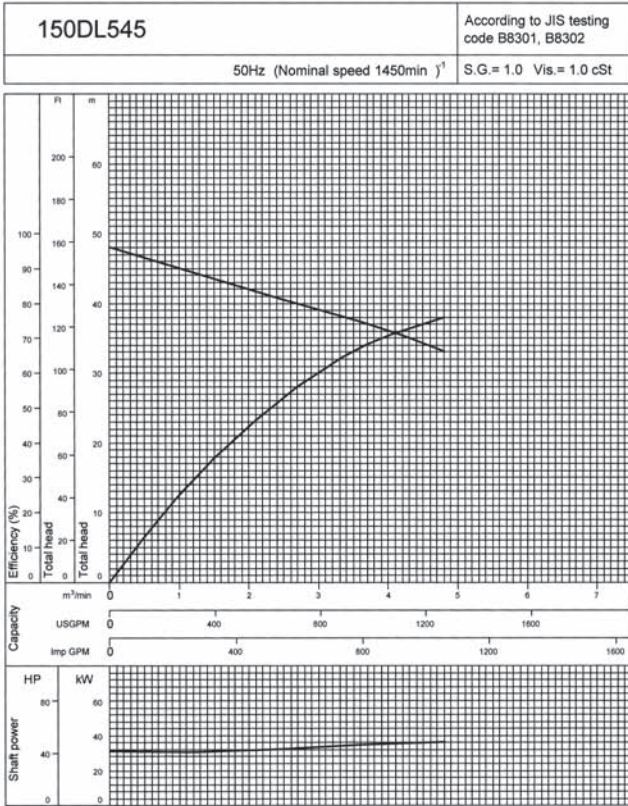
 50Hz (Nominal speed 1450min⁻¹)

S.G. = 1.0 Vis. = 1.0 cSt

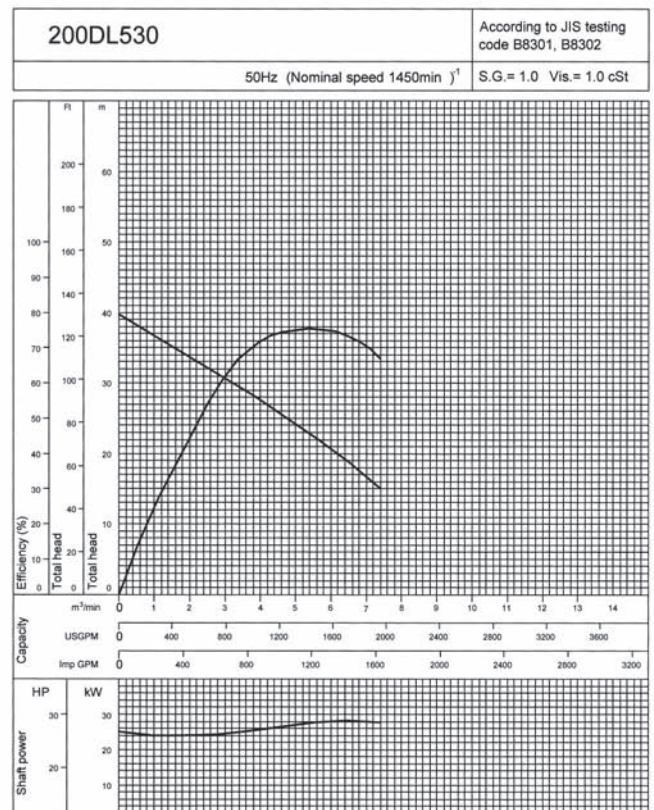
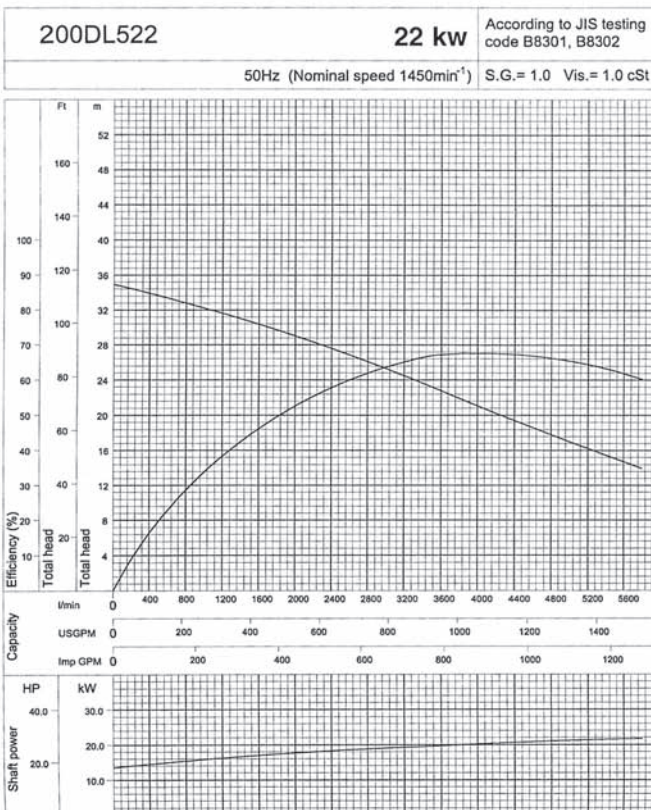
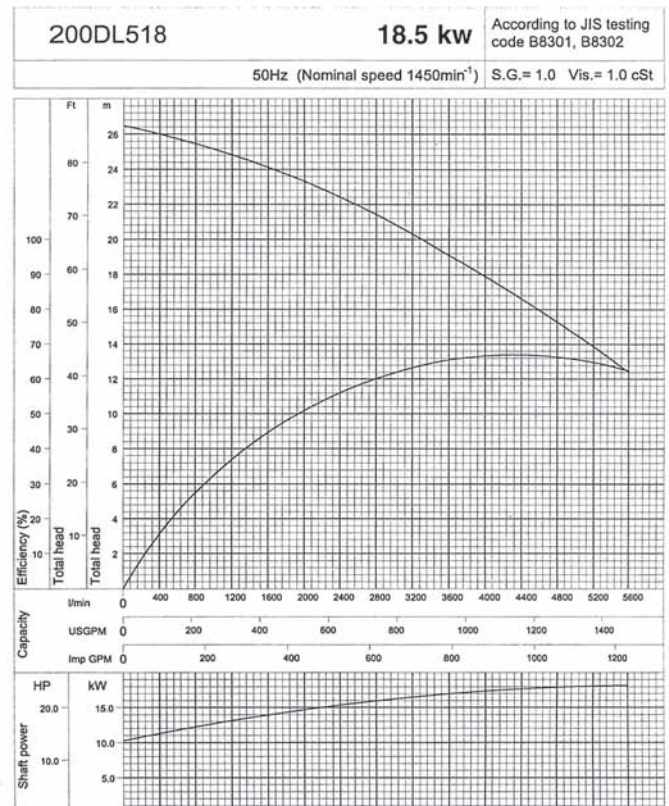
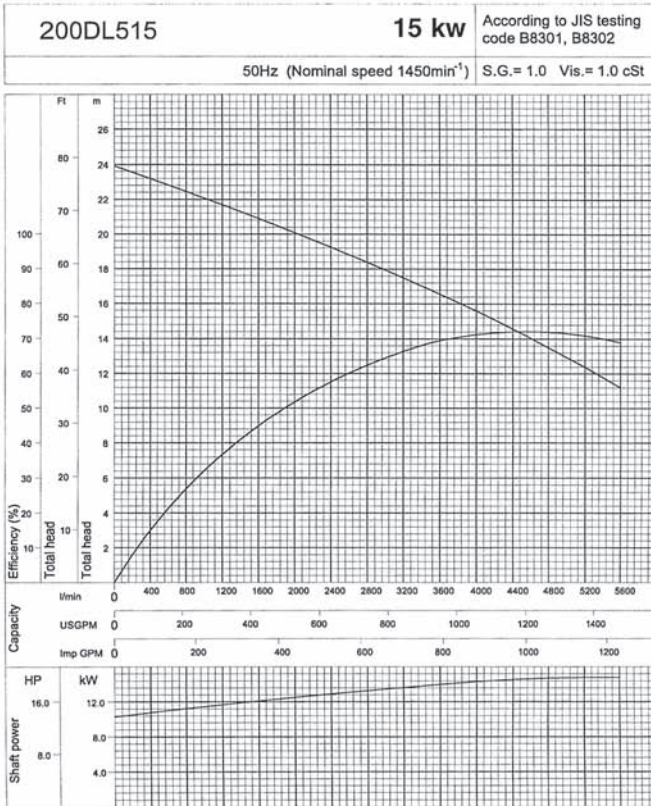


PERFORMANCE CURVE

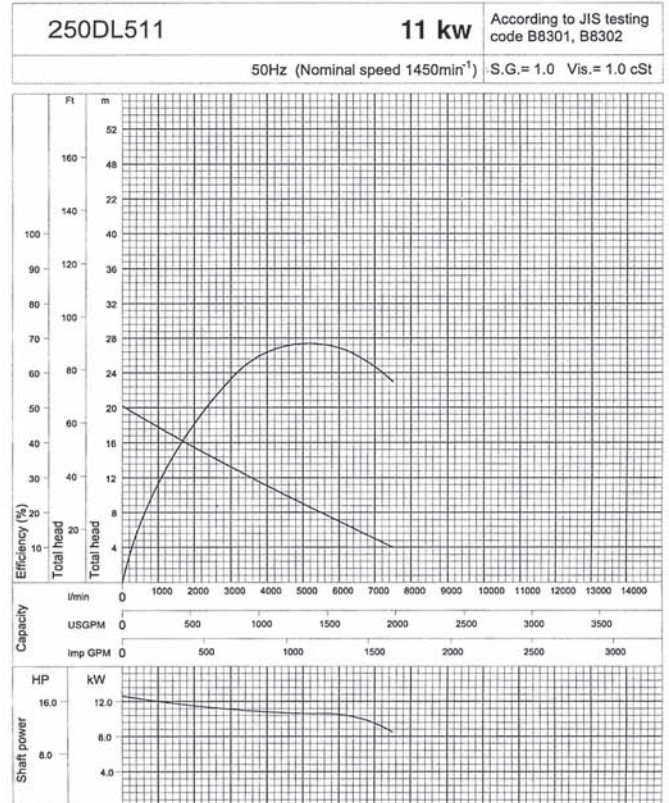
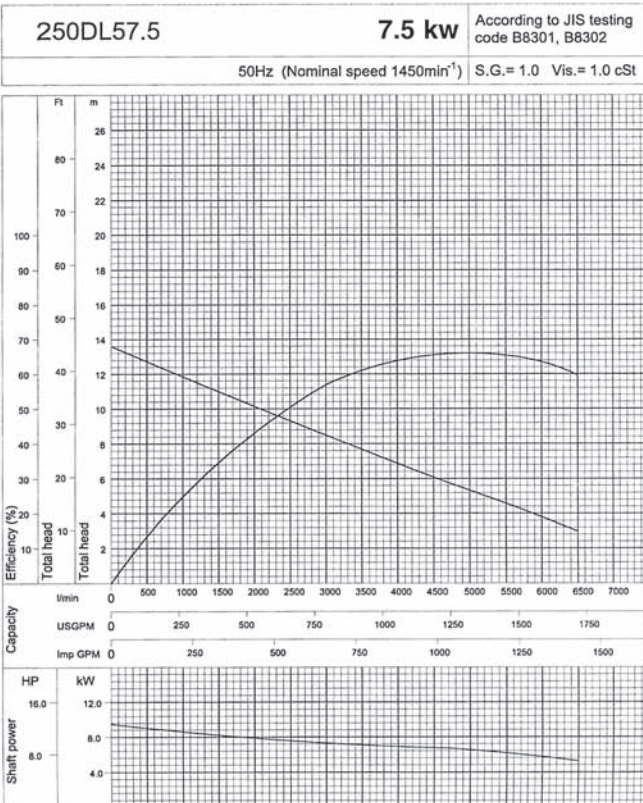
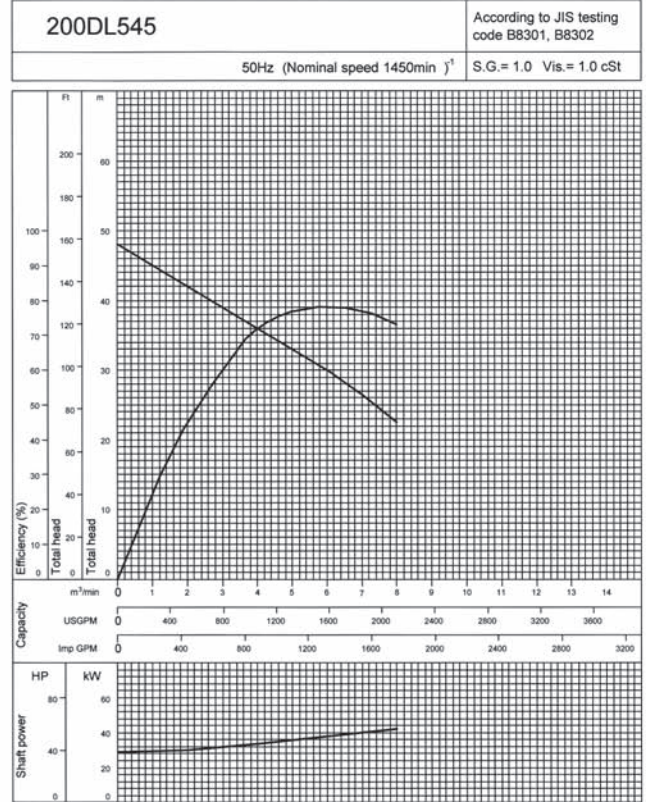
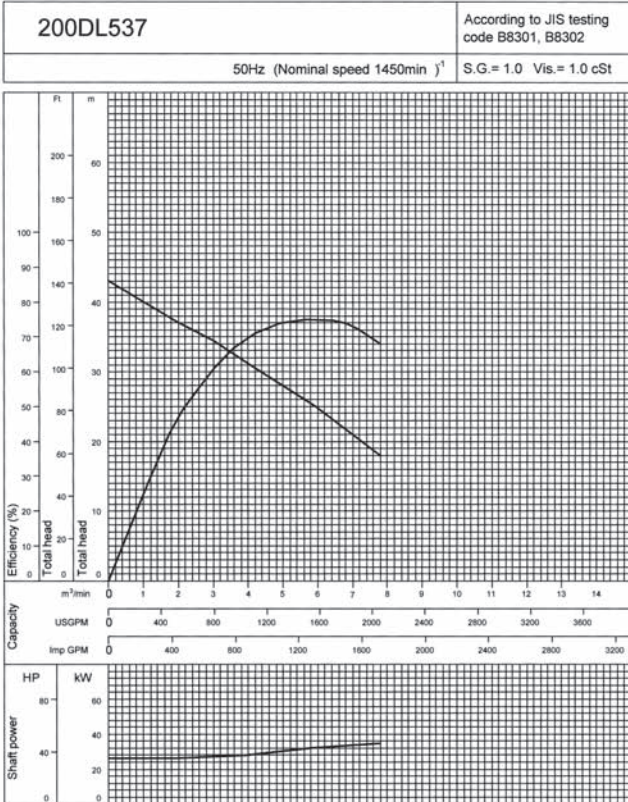
1450 min⁻¹



PERFORMANCE CURVE

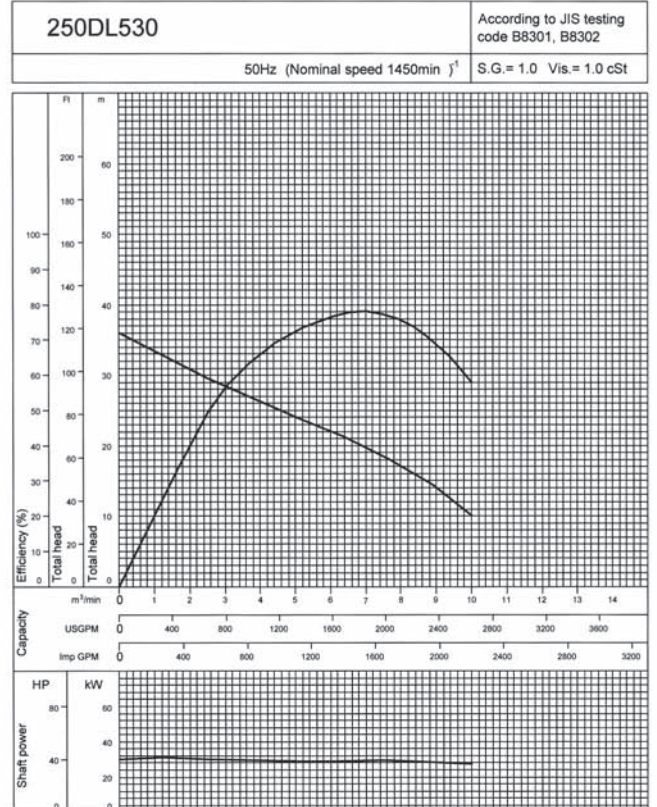
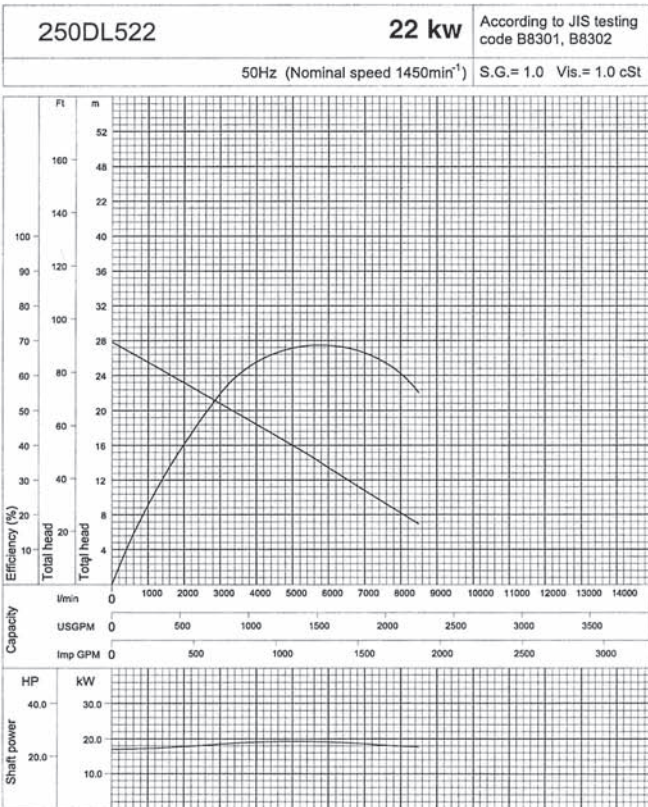
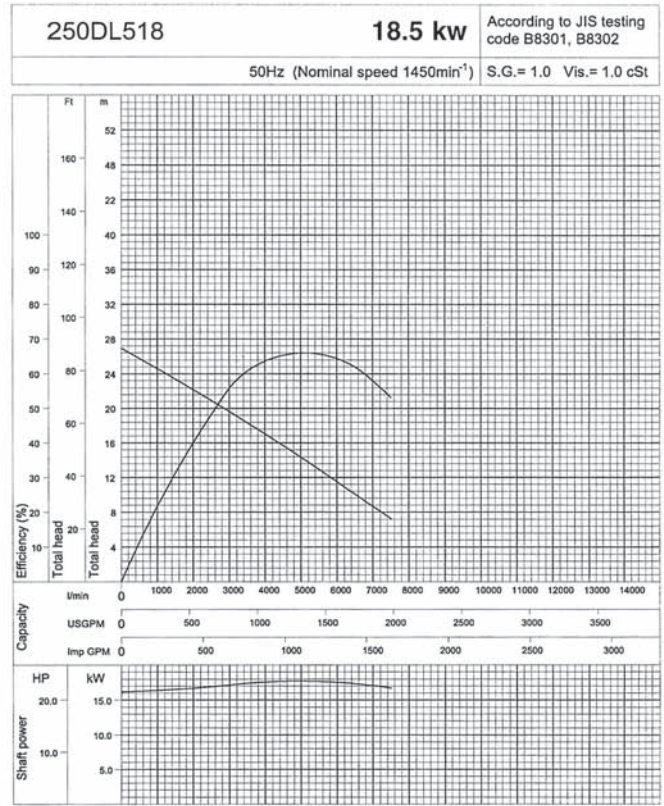
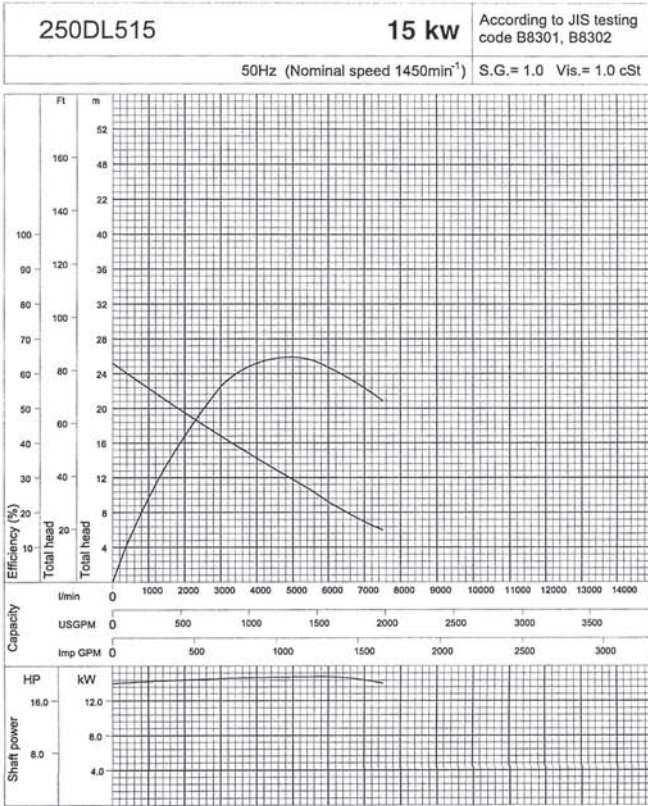
1450 min⁻¹


PERFORMANCE CURVE

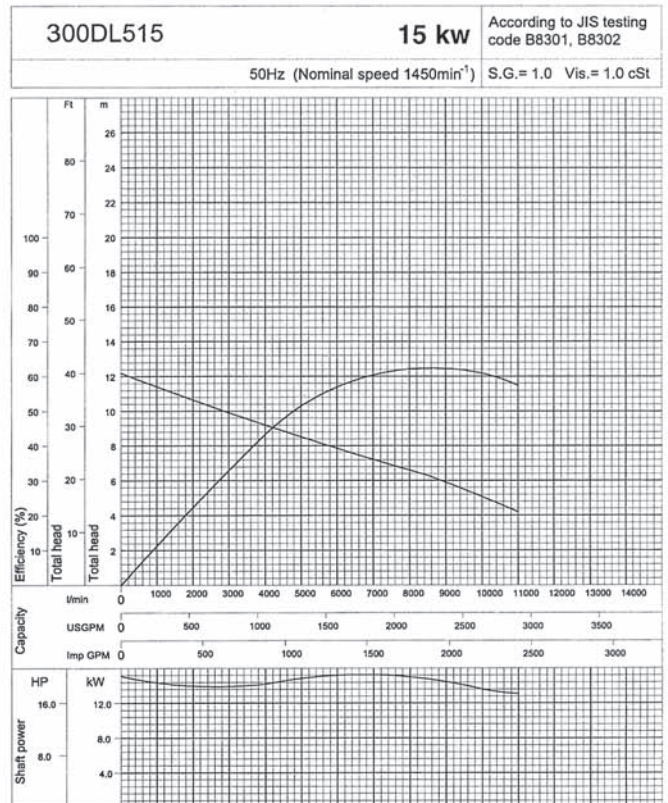
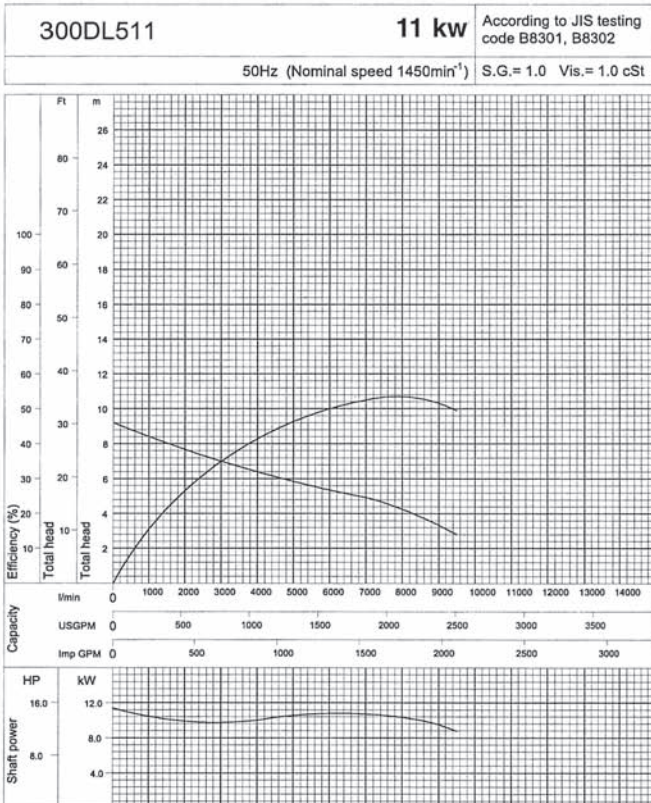
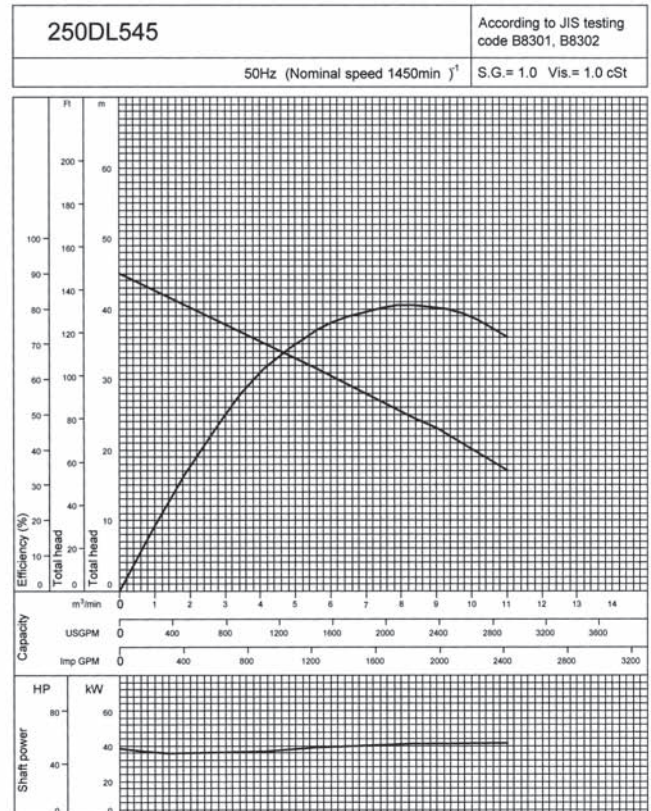
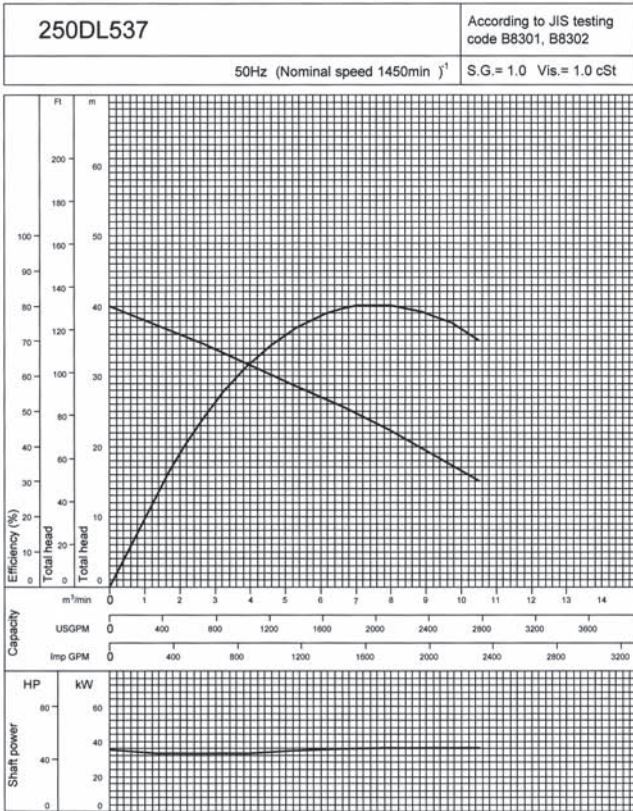


PERFORMANCE CURVE

1450 min⁻¹

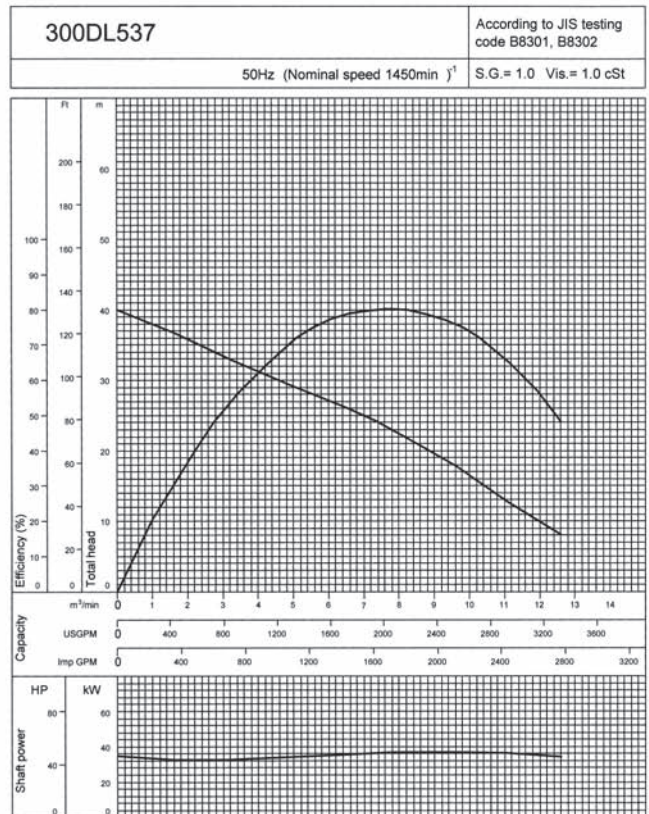
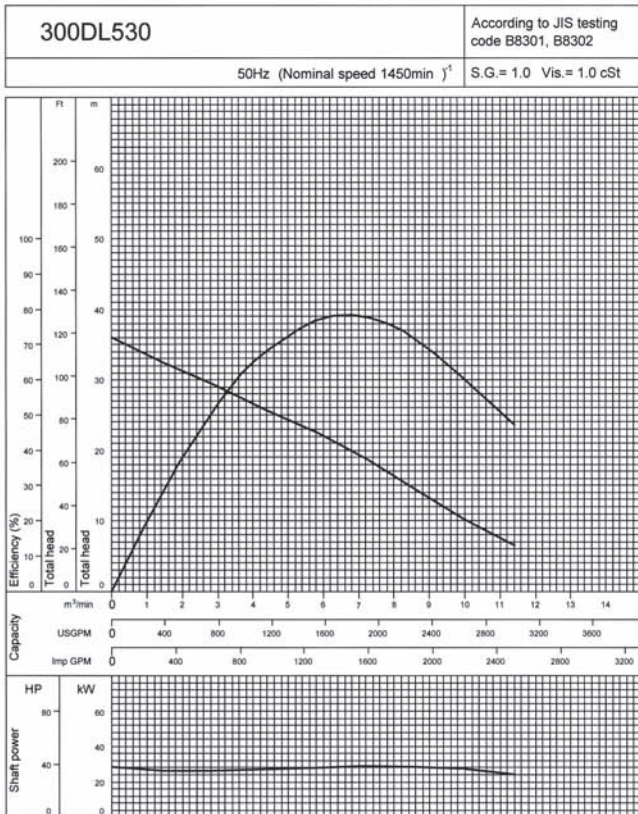
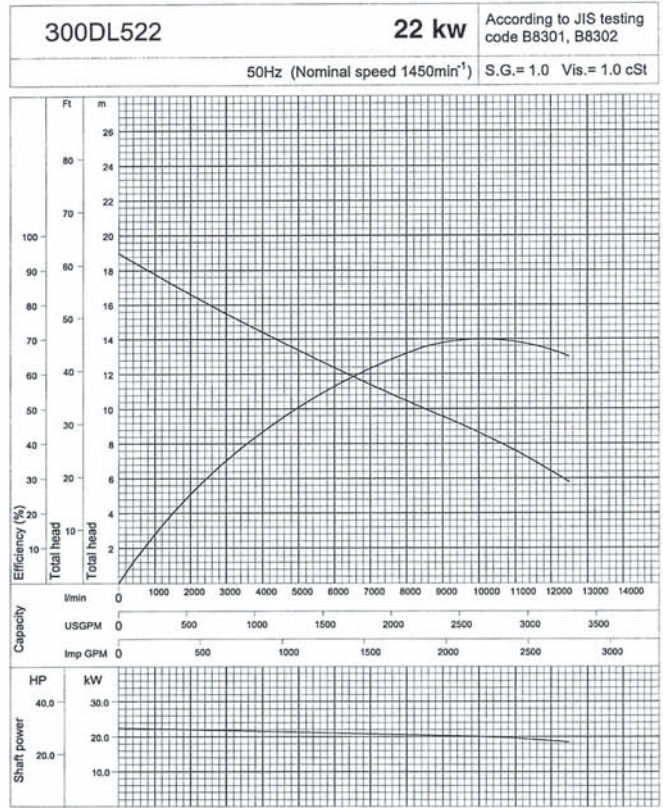
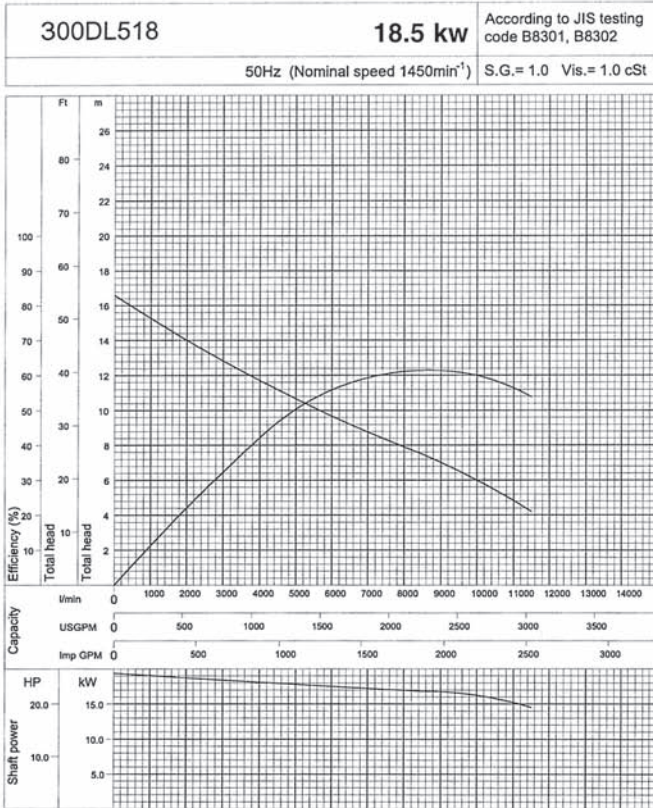


PERFORMANCE CURVE

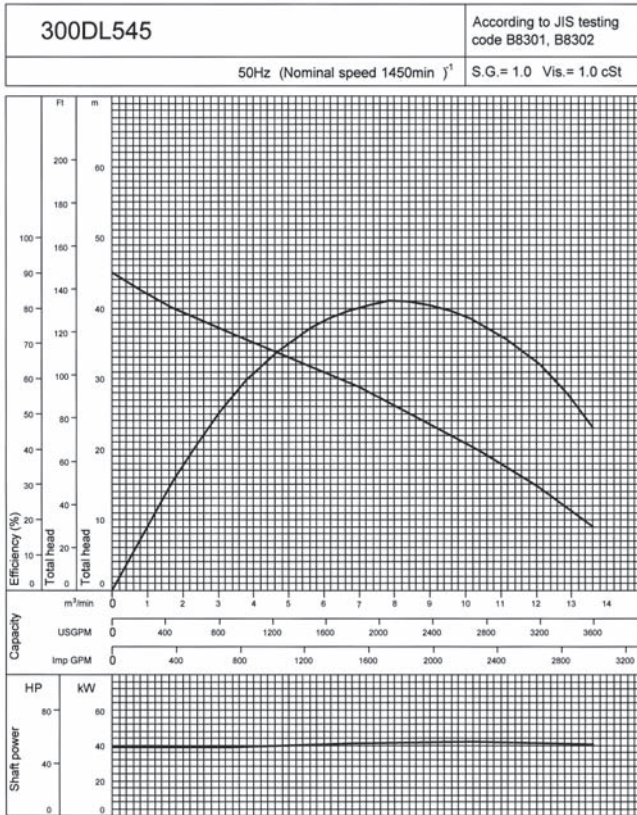


PERFORMANCE CURVE

1450 min⁻¹



PERFORMANCE CURVE



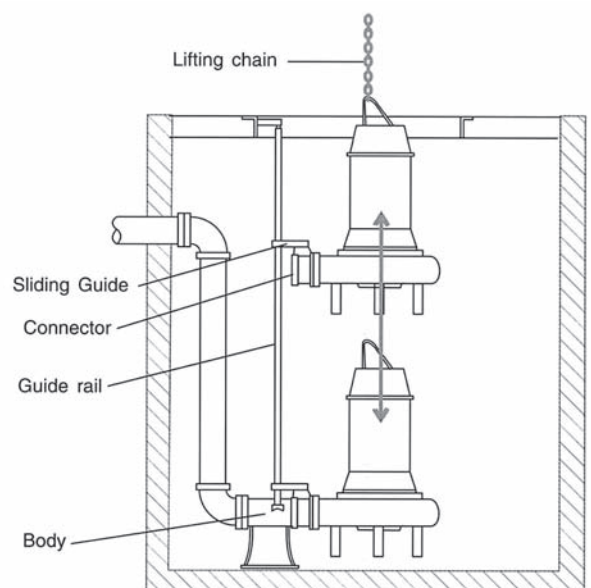
PUMPS WITH QUICK DISCHARGE CONNECTOR

An optional quick discharge connector (QDC) is available to suit all EBARA D' series submersible pumps.

The QDC allows for the easy removal and replacement of the pumps for maintenance purposes without having to enter the sump.

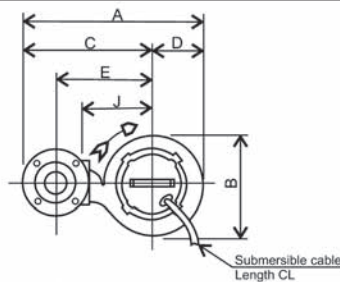
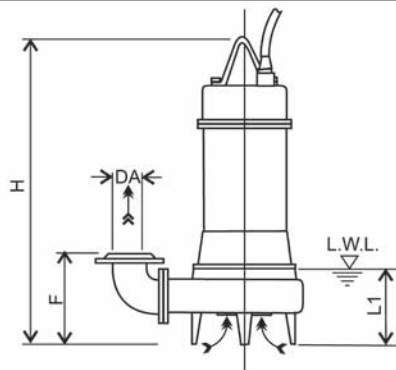
The typical arrangement and use of the QDC is illustrated here.

**If QDC is ordered, EBARA will only supply QDC Body, Sliding Guide and Guide Pin.*



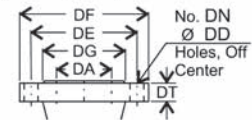
DIMENSION

Dimensions - Manual Models - DL (WET PIT MODEL)



- 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.

Discharge Flange Dimensions
(JIS 10kgf/cm²)



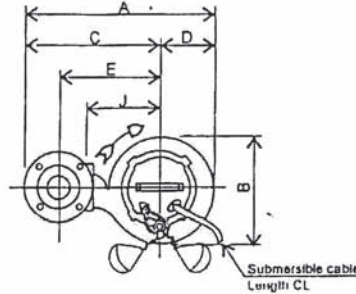
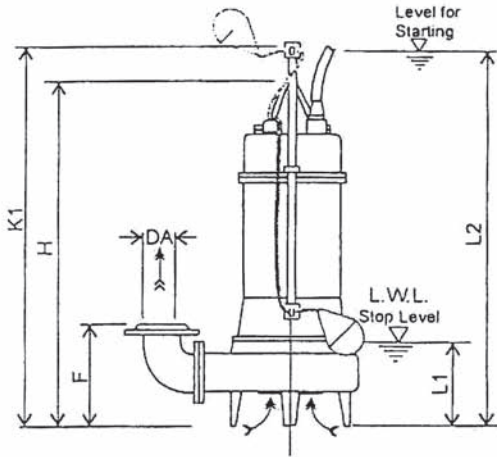
DA	DE	DF	DG	DT	DN	DD
65	150	175	116	18	4	15
80	150	185	126	18	4	15
100	175	210	151	20	8	15
150	240	280	212	22	8	19
200	290	330	262	26	12	23
250	355	400	324	30	12	25
300	400	445	368	32	16	25

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

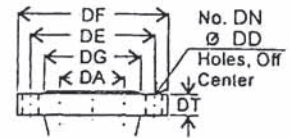
Units: mm unless otherwise specified

DIMENSIONS

Dimensions - Automatic Models - DLA



Discharge Flange Dimensions (JIS 10kgf/cm²)



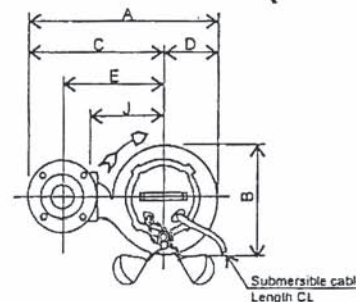
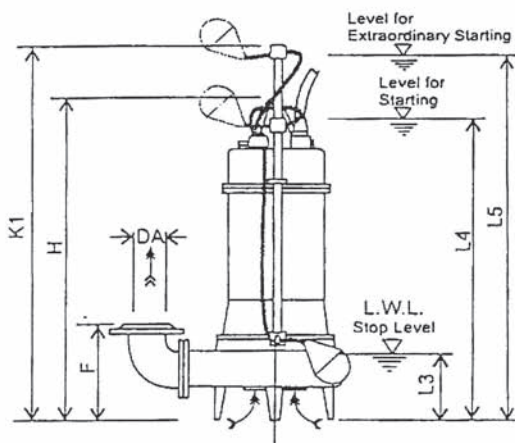
- Note:
- 1/. L.W.L (Low Water Level) Is limited to 10 minutes operation at low water level.
 - 2/. Is limited to 30 minutes operation with water level below top of motor.

DA	DE	DF	DG	DT	DN	DD
65	150	175	116	18	4	15
80	150	185	126	18	8	15
100	175	210	151	20	8	15

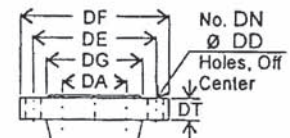
Size DA	Model	Output KW	A	B	C	D	E	F	H	J	K1	L1	L2	CL	Weight
65	65DLA 51.5	1.5	497	291	353	144	265	200	662	200	840	320	860	10m	55 kg
80	80DLA 51.5	1.5	524	292	378	146	285	220	683	210	840	320	860	10m	58 kg
	80DLA 52.2	2.2	542	308	388	154	295	220	728	220	840	320	860	10m	70 kg
	80DLA 53.7	3.7	567	328	403	164	310	220	761	235	840	320	860	10m	78 kg
100	100DLA 53.7	3.7	614	335	445	169	340	250	780	235	840	320	860	10m	85 kg

Units: mm unless otherwise specified

Dimensions - Parallel Alternating Models - DLJ



Discharge Flange Dimensions (JIS 10kgf/cm²)



- 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	8	15
100	175	210	151	20	8	15

Size DA	Model	Output KW	A	B	C	D	E	F	H	J	K1	L3	L4	L5	CL	Weight
65	65DLJ 51.5	1.5	497	291	353	144	265	200	662	200	950	290	780	970	10m	55 kg
80	80DLJ 51.5	1.5	524	292	378	146	285	220	683	210	950	290	780	970	10m	58 kg
	80DLJ 52.2	2.2	542	308	388	154	295	220	728	220	950	290	780	970	10m	70 kg
	80DLJ 53.7	3.7	567	328	403	164	310	220	761	235	950	290	780	970	10m	78 kg
	100DLJ 53.7	3.7	614	335	445	169	340	250	780	235	950	290	780	970	10m	85 kg

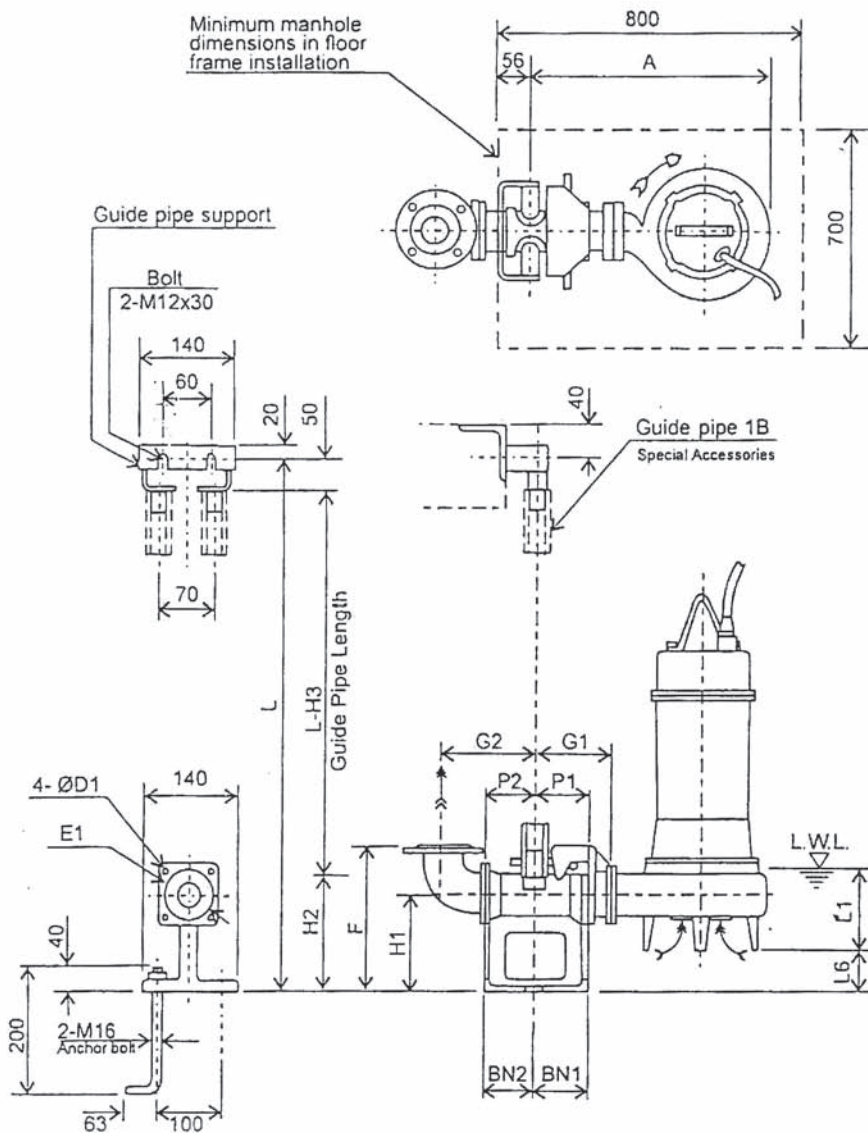
Units: mm unless otherwise specified

DIMENSION

Dimensions with QDC

Pump **DL** QDC **LM**

■ Applicable Models - 50, 65 & 80 DL



Note:

1/ For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/ The discharge bend and companion flange supplied with the pump are used with the QDC.

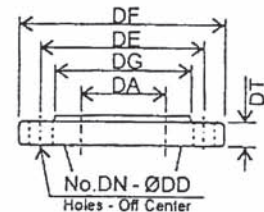
3/ The weight in dimension tables refers only to the weight of the QDC.

4/ Standard accessories supplied with QDC include:-

- Connector body with foundation bolts
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide pipe is not supplied.

Discharge Flange
(JIS 10kg/cm²)



DA	DE	DF	DG	DT	DN	DD
50	120	155	96	18	4	15
65	140	175	116	18	4	15
80	150	185	126	18	8	15

Pump Model	A	P1	P2	G1	G2	F	H1	H2	H3	L1	L6	BN1	BN2	D1	E1	QDC Model	Weight
50 DL 5.4	375	75	80	115	135	230	135	165	215	120	55	75	80	12	120	LM50	11 kg
50 DL 5.75	393	75	80	115	135	230	135	165	215	120	55	75	80	12	120	LM50	11 kg
65 DL 51.5	464	75	95	120	160	250	145	190	240	140	50	75	95	12	140	LM65	14 kg
80 DL 51.5	481	75	90	125	165	285	175	230	280	165	65	75	90	15	155	LM80	17 kg
80 DL 52.2	499	75	90	125	165	285	175	230	280	165	65	75	90	15	155	LM80	17 kg
80 DL 53.7	524	75	90	125	165	285	175	230	280	165	65	75	90	15	155	LM80	17 kg

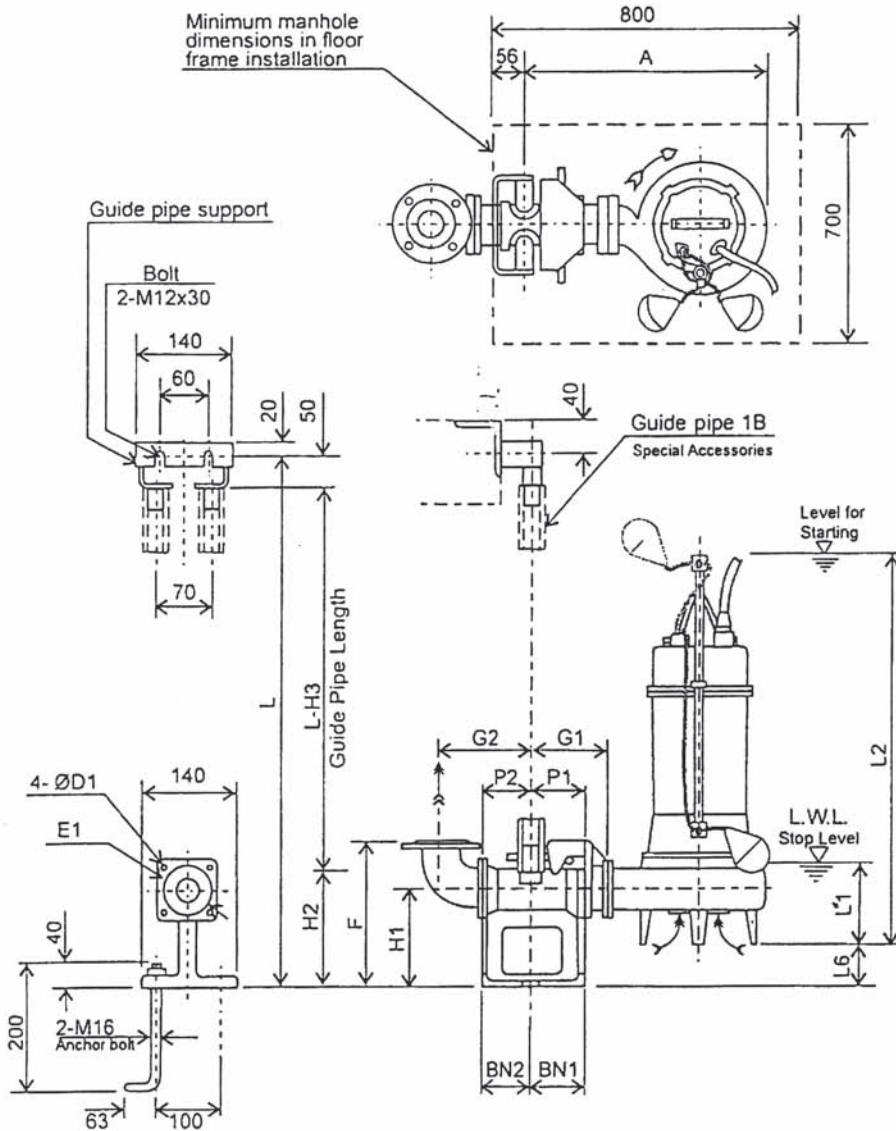
Units: mm unless otherwise specified

DIMENSION

Dimensions with QDC

Pump QDC
DLA LM

■ Applicable Models - 65 & 80 DLA



Note:

1/ For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/ The discharge bend and companion flange supplied with the pump are used with the QDC.

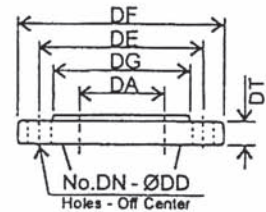
3/ The weight in dimension tables refers only to the weight of the QDC.

4/ Standard accessories supplied with QDC include:-

- Connector body with foundation bolts
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide pipe is not supplied.

Discharge Flange
(JIS 10kg/cm²)



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

Pump Model	A	P1	P2	G1	G2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	D1	E1	QDC Model	Weight
65 DLA 51.5	464	75	95	120	160	250	145	190	240	320	860	50	75	95	12	140	LM65	14 kg
80 DLA 51.5	481	75	90	125	165	285	175	230	280	320	860	65	75	90	15	155	LM80	17 kg
80 DLA 52.2	499	75	90	125	165	285	175	230	280	320	860	65	75	90	15	155	LM80	17 kg
80 DLA 53.7	524	75	90	125	165	285	175	230	280	320	860	65	75	90	15	155	LM80	17 kg

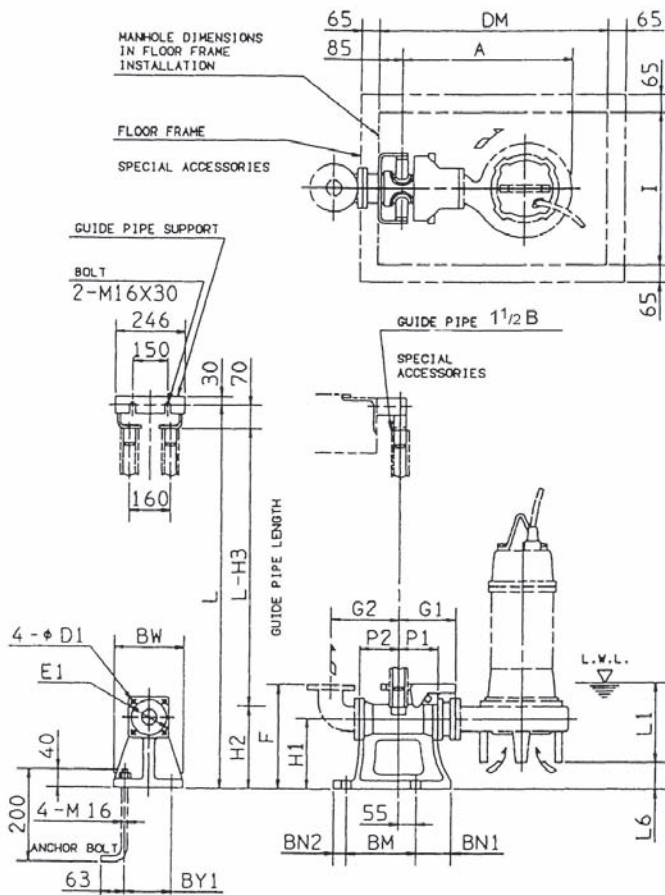
Units: mm unless otherwise specified

DIMENSION

Dimensions with QDC

Pump **DL** QDC **LL**

Applicable Models - 65 & 80 DL



Note:

1/ For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/ The discharge bend and companion flange supplied with the pump are used with the QDC.

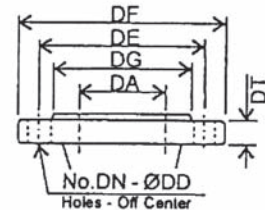
3/ The weight in dimension tables refers only to the weight of the QDC.

4/ Standard accessories supplied with QDC include:-

- Connector body with foundation bolts
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide pipe is not supplied.

Discharge Flange
(JIS 10kg/cm²)



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

Pump Model	A	P1	P2	G1	G2	F	H1	H2	H3	L1	L6	BN1	BN2	BM	BY1	BW	DM	I	D1	E1	QDC Model	Weight
65 DLD 55.5	605	105	125	185	190	315	210	240	310	260	100	100	40	195	160	210	800	700	12	140	LL65	41 kg
65 DLD 57.5	672	105	125	185	190	315	210	240	310	260	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg
65 DL 511	672	105	125	185	190	315	210	240	310	260	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg
65 DL 515	728	105	125	185	190	315	210	240	310	280	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg
65 DL 518	728	105	125	185	190	315	210	240	310	280	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg
65 DL 522	728	105	125	185	190	315	210	240	310	280	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg
80 DLD 55.5	605	105	125	185	200	320	210	240	310	260	100	100	40	195	160	210	800	700	12	140	LL65	41 kg
80 DLC 55.5	635	105	120	185	195	350	240	255	325	205	43	100	40	220	180	230	800	700	15	155	LL80	44 kg
80 DLD 57.5	672	105	125	185	200	320	210	240	310	260	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg
80 DLC 57.5	665	105	120	185	195	350	240	255	325	205	45	100	40	220	180	230	800	700	15	155	LL80	44 kg
80 DL 511	672	105	125	185	200	320	210	240	310	260	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg
80 DL 515	728	105	125	185	200	320	210	240	310	280	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg
80 DL 518	728	105	125	185	200	320	210	240	310	280	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg
80 DL 522	728	105	125	185	200	320	210	240	310	280	100	100	40	195	160	210	1000	700	12	140	LL65	41 kg

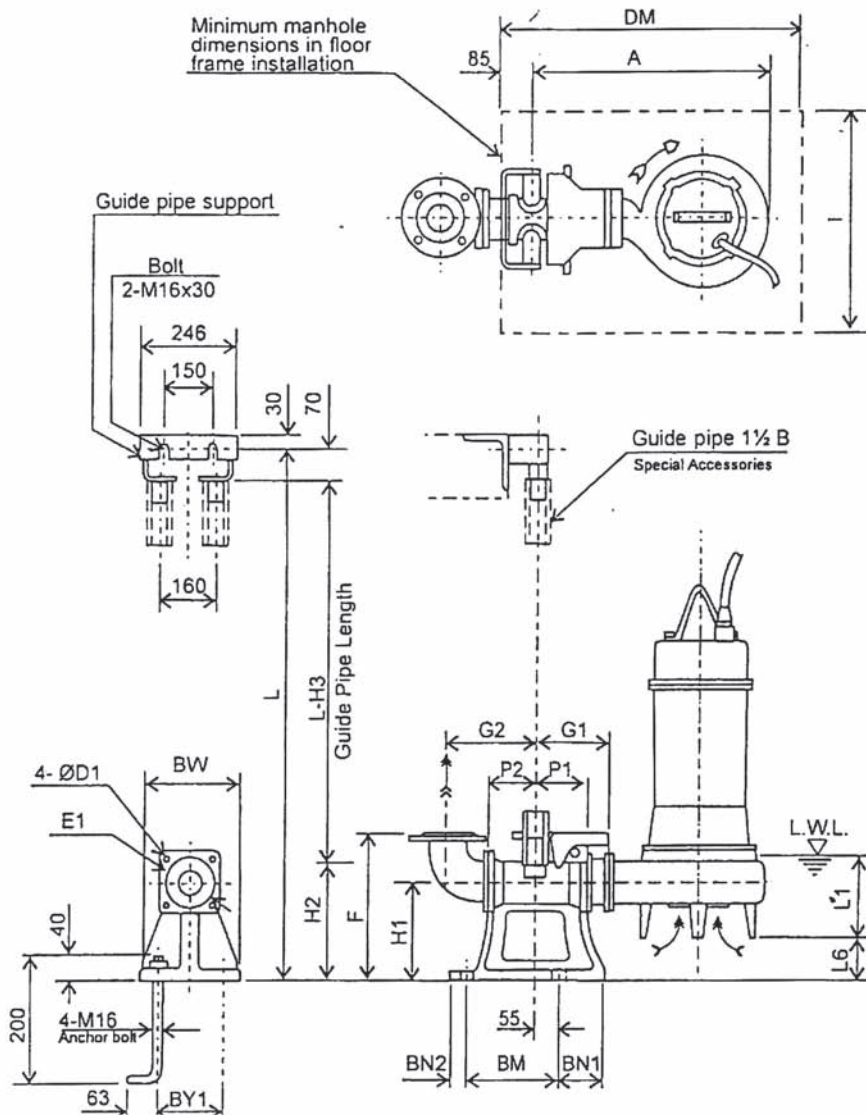
Units: mm unless otherwise specified

DIMENSION

Dimensions with QDC

Pump **DL** QDC **LL**

Applicable Models 100 DL



Note:

1/ For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/ The discharge bend and companion flange supplied with the pump are used with the QDC.

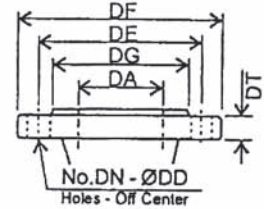
3/ The weight in dimension tables refers only to the weight of the QDC.

4/ Standard accessories supplied with QDC include:-

- Connector body with foundation bolts
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide pipe is not supplied.

Discharge Flange
(JIS 10kgf/cm²)



DA	DE	DF	DG	DT	DN	DD
80	150	185	126	18	8	15
100	175	210	151	20	8	15

Pump Model	A	P1	P2	G1	G2	F	H1	H2	H3	L1	L6	BN1	BN2	BM	BY1	BW	DM	I	D1	E1	QDC Model	Weight
100 DL 53.7	589	105	105	185	210	365	240	265	335	185	115	100	40	220	180	230	800	700	19	175	LL100	46 kg
100 DLB 55.5	621	105	105	185	210	365	240	265	335	205	42	100	40	220	180	230	800	700	19	175	LL100	46 kg
100 DLC 55.5	635	105	120	185	225	365	240	255	325	205	43	100	40	220	180	230	800	700	15	155	LL80	44 kg
100 DLB 57.5	648	105	105	185	210	365	240	265	335	205	42	100	40	220	180	230	800	700	19	175	LL100	46 kg
100 DLC 57.5	665	105	120	185	225	365	240	255	325	205	45	100	40	220	180	230	800	700	15	155	LL80	44 kg
100 DL 511	676	105	105	185	210	365	240	265	335	205	42	100	40	220	180	230	1000	700	19	175	LL100	46 kg
100 DL 515	716	105	105	185	210	365	240	265	335	205	35	100	40	220	180	230	1000	700	19	175	LL100	46 kg
100 DL 518	716	105	105	185	210	365	240	265	335	205	35	100	40	220	180	230	1000	700	19	175	LL100	46 kg

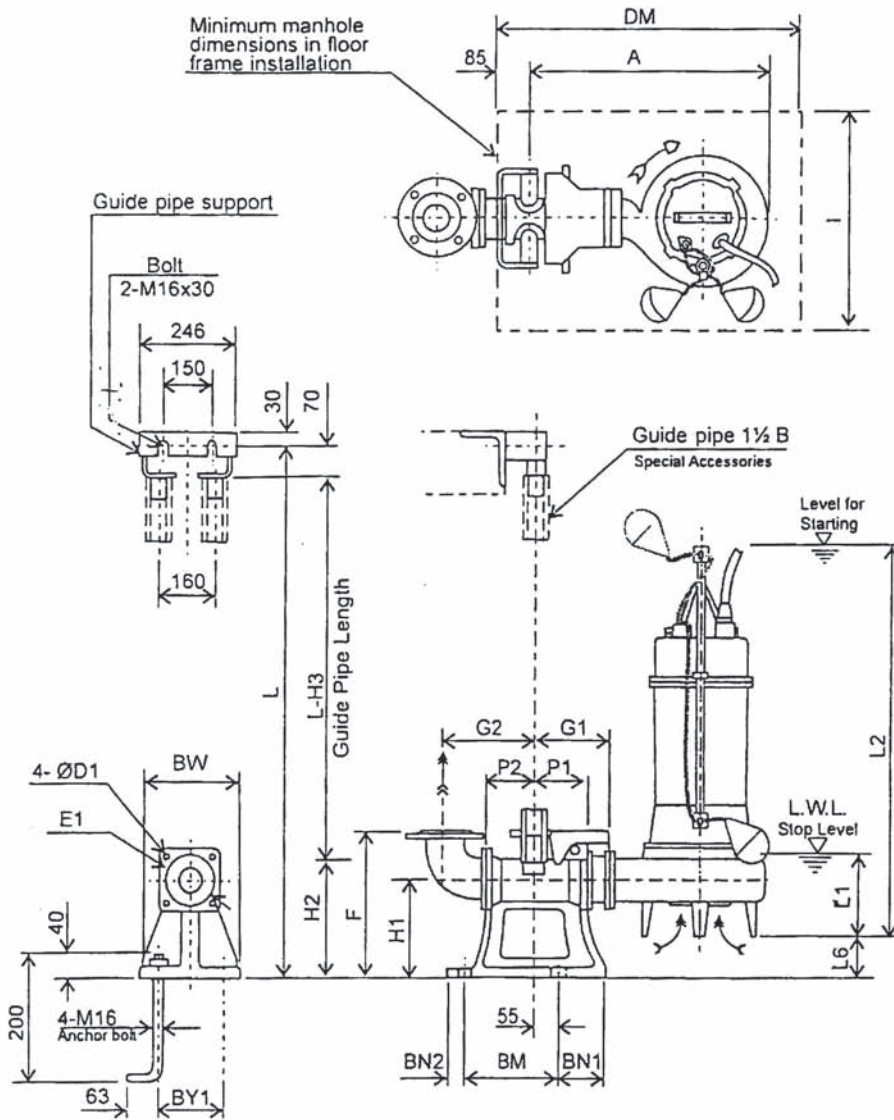
Units: mm unless otherwise specified

DIMENSION

Dimensions with QDC

Pump **DLA** QDC **LM**

■ Applicable Models - 100 DLA



Note:

1/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

2/. The discharge bend and companion flange supplied with the pump are used with the QDC.

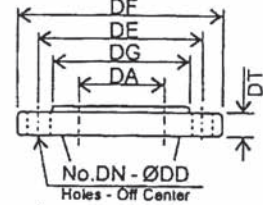
3/. The weight in dimension tables refers only to the weight of the QDC.

4/. Standard accessories supplied with QDC include:-

- Connector body with foundation bolts
- Guide pipe support
- Sliding Glide
- Adaptor Flange

Guide pipe is not supplied.

Discharge Flange
(JIS 10kgf/cm²)



DA	DE	DF	DG	DT	DN	DD
100	175	210	151	20	8	15

Pump Model	A	P1	P2	G1	G2	F	H1	H2	H3	L1	L2	L6	BN1	BN2	BM	BY1	BW	DM	I	D1	E1	QDC Model	Weight
100 DLA 53.7	589	105	105	185	210	365	240	265	335	320	860	115	100	40	220	180	230	800	700	19	175	LL100	46 kg

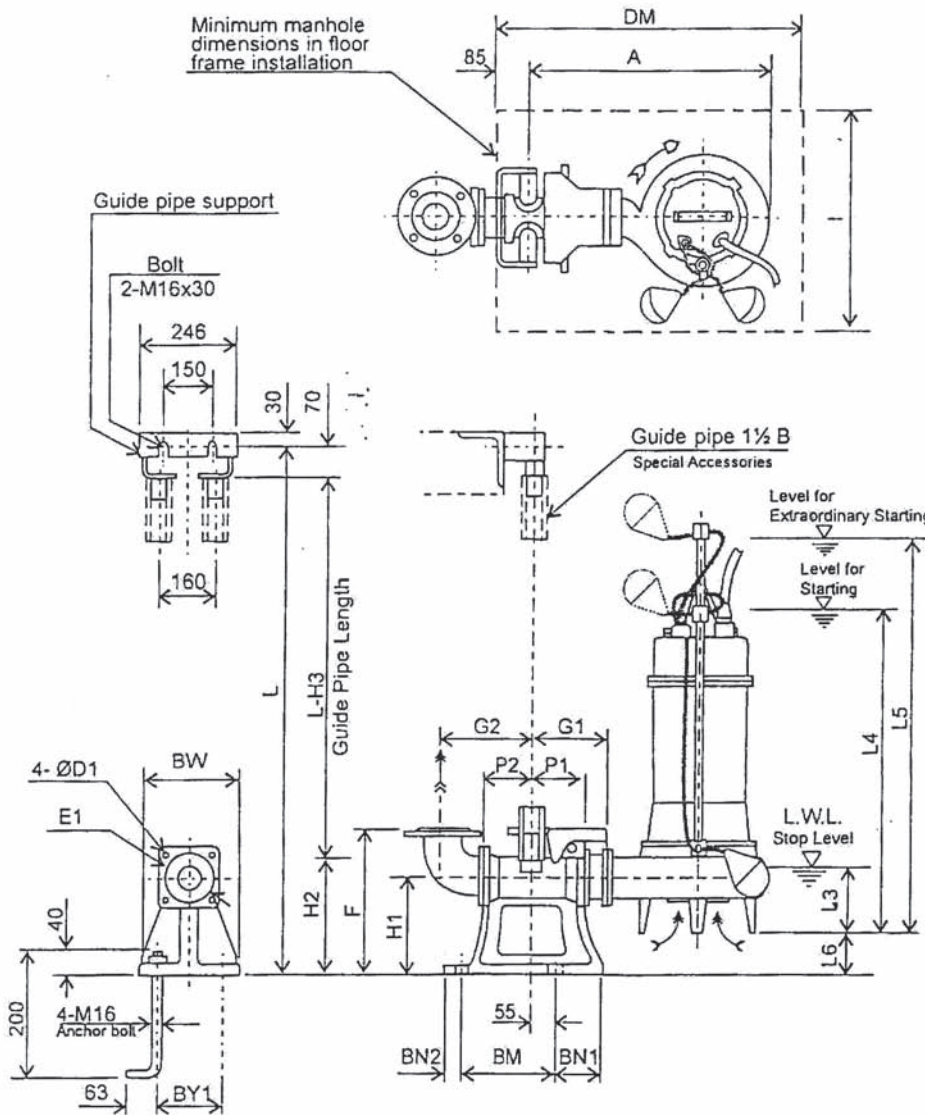
Units: mm unless otherwise specified

DIMENSION

Dimensions with QDC

Pump **DLJ** QDC **LM**

■ Applicable Models - 100 DLJ



Note:

1/ For detailed dimensions of the pumps, refer to separate dimension data sheets.

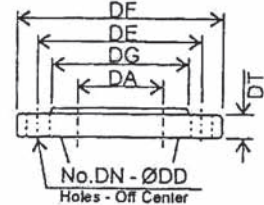
2/ The discharge bend and companion flange supplied with the pump are used with the QDC.

3/ The weight in dimension tables refers only to the weight of the QDC.

4/ Standard accessories supplied with QDC include:-

- Connector body with foundation bolts
 - Guide pipe support
 - Sliding Glide
 - Adaptor Flange
- Guide pipe is not supplied.

Discharge Flange
(JIS 10kgf/cm²)



DA	DE	DF	DG	DT	DN	DD
100	175	210	151	20	8	15

Pump Model	A	P1	P2	G1	G2	F	H1	H2	H3	L3	L4	L5	L6	BN1	BN2	BM	BY1	BW	DM	I	D1	E1	QDC Model	Weight
100 DLJ 53.7	589	105	105	185	210	365	240	265	335	290	780	970	115	100	40	220	180	230	800	700	19	175	LL100	46 kg

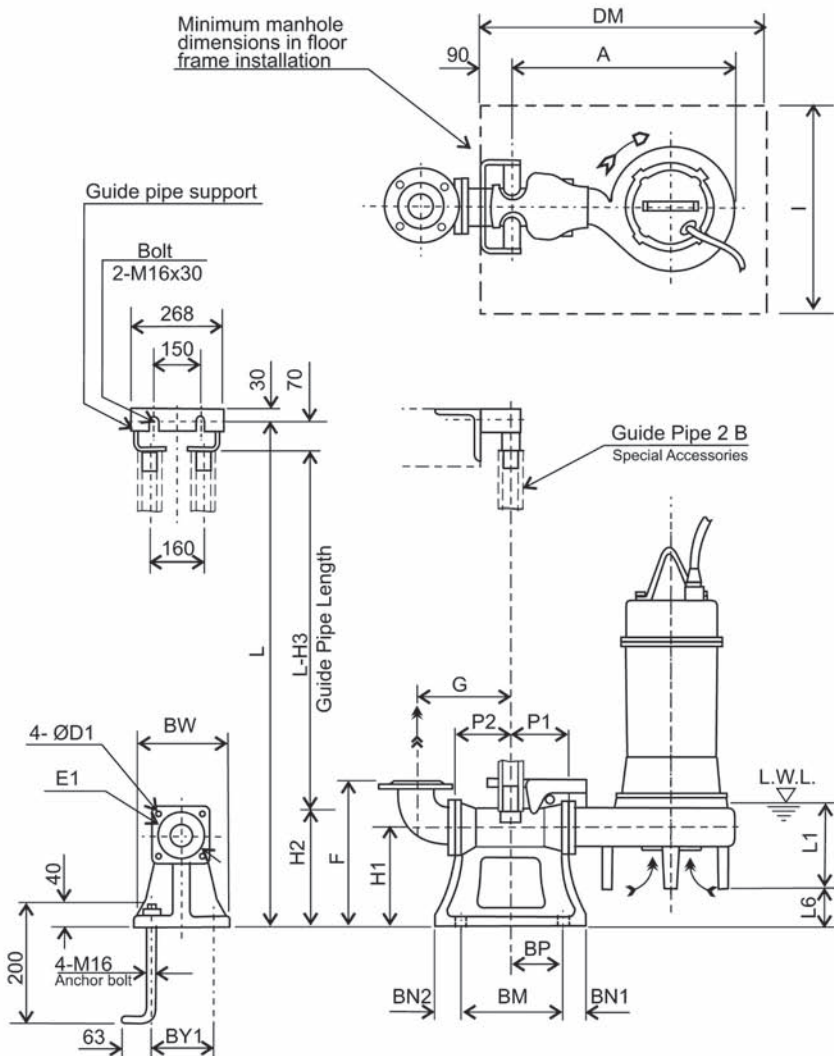
Units: mm unless otherwise specified

DIMENSION

Dimensions with QDC

Pump
DL **QDC**
LL

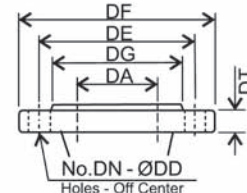
Applicable Models - 150 & 200 DL



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.
- 3/. For detailed dimensions of the pumps, refer to separate dimension data sheets.
- 4/. The discharge bend and companion flange supplied with the pump are used with the QDC.
- 5/. The weight in dimension tables refers only to the weight of the QDC.
- 6/. Standard accessories supplied with QDC include:-
 - Connector body with foundation bolts
 - Guide pipe support
 - Sliding Glide
 Guide pipe is not supplied.

Discharge Flange
(JIS 10kgf/cm²)



DA	DE	DF	DG	DT	DN	DD
150	240	280	212	22	8	19
200	290	330	262	26	12	23

Pump Model	A	P1	P2	G	F	H1	H2	H3	L1	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	D1	E1	QDC Model	Weight
150 DL 55.5	635	155	195	325	450	290	362	432	245	69	60	60	370	165	280	330	1000	700	16	210	LL125	65 kg
150 DL 57.5	665	155	195	325	450	290	362	432	245	73	60	60	370	165	280	330	1000	700	16	210	LL125	65 kg
150 DL 511	695	155	195	325	450	290	362	432	245	73	60	60	370	165	280	330	1000	700	16	210	LL125	65 kg
150 DL 515	695	155	195	325	450	290	362	432	245	73	60	60	370	165	280	330	1000	700	16	210	LL125	65 kg
150 DL 518	733	155	195	325	450	290	362	432	245	69	60	60	370	165	280	330	1000	700	16	210	LL125	65 kg
150 DL 522	733	155	195	325	450	290	362	432	245	69	60	60	370	165	280	330	1000	700	16	210	LL125	65 kg
150 DL 530	777	155	205	355	480	320	405	475	288	210	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
150 DL 537	777	155	205	355	480	320	405	475	296	210	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
150 DL 545	777	155	205	355	480	320	405	475	296	210	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
200 DL 55.5	672	155	205	355	495	320	405	475	285	81	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
200 DL 57.5	703	155	205	355	495	320	405	475	285	85	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
200 DL 511	703	155	205	355	495	320	405	475	285	85	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
200 DL 515	736	155	205	355	495	320	405	475	285	84	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
200 DL 518	772	155	205	355	495	320	405	475	285	80	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
200 DL 522	772	155	205	355	495	320	405	475	285	80	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
200 DL 530	777	155	205	355	495	320	405	475	288	210	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg
200 DL 545	777	155	205	355	495	320	405	475	296	210	60	60	390	170	300	350	1100	800	16	250	LL150	80 kg

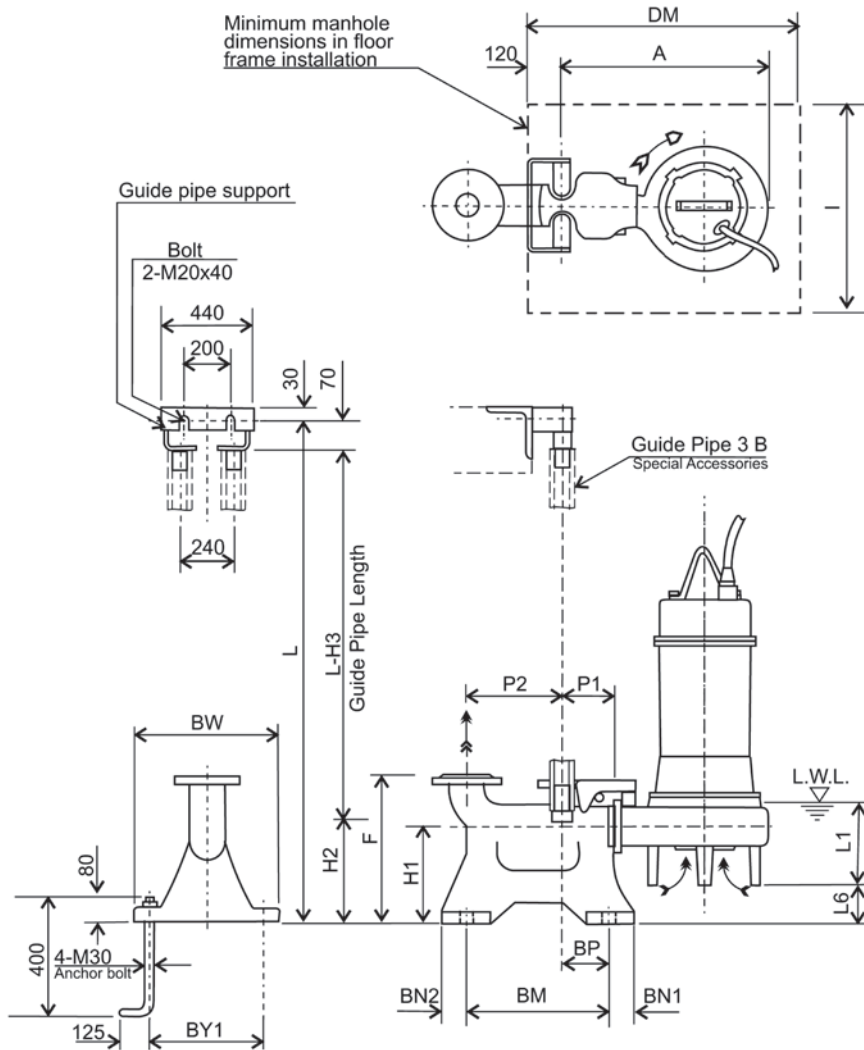
Units: mm unless otherwise specified

DIMENSION

Dimensions with QDC

Pump DL QDC LL

Applicable Models - 250 & 300 DL



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.

3/. For detailed dimensions of the pumps, refer to separate dimension data sheets.

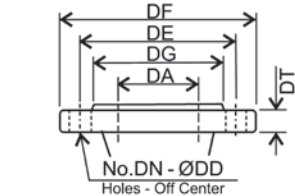
4/. The discharge bend and companion flange supplied with the pump are used with the QDC.

5/. The weight in dimension tables refers only to the weight of the QDC.

6/. Standard accessories supplied with QDC include:-

- Connector body with foundation bolts
- Guide pipe support
- Sliding Glide

Discharge Flange
(JIS 10kgf/cm²)



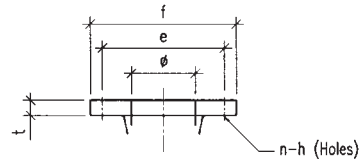
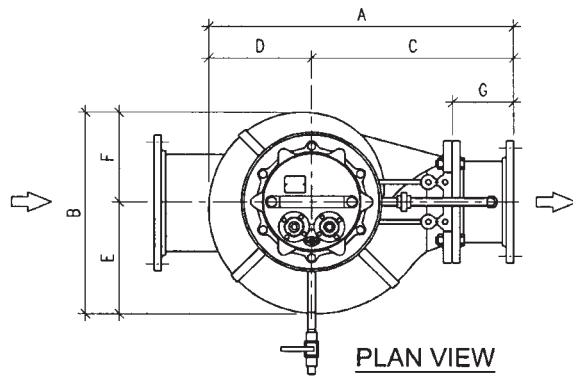
DA	DE	DF	DG	DT	DN	DD
65	140	175	116	18	4	15
80	150	185	126	18	8	15

Pump Model	A	P1	P2	F	H1	H2	H3	L1	L6	BN1	BN2	BM	BP	BY1	BW	DM	I	QDC Model	Weight
250 DL 57.5	834	195	435	700	350	440	510	400	58	70	70	650	215	500	560	1200	900	LL250	150 kg
250 DL 511	858	195	435	700	350	440	510	400	46	70	70	650	215	500	560	1200	900	LL250	150 kg
250 DL 515	872	195	435	700	350	440	510	400	34	70	70	650	215	500	560	1200	900	LL250	150 kg
250 DL 518	872	195	435	700	350	440	510	400	34	70	70	650	215	500	560	1200	900	LL250	150 kg
250 DL 522	872	195	435	700	350	440	510	400	34	70	70	650	215	500	560	1200	900	LL250	150 kg
250 DL 530	990	195	465	800	430	550	620	292	300	70	70	680	215	580	640	1200	900	LL300	200 kg
250 DL 537	990	195	465	800	430	550	620	319	300	70	70	680	215	580	640	1200	900	LL300	200 kg
250 DL 545	990	195	465	800	430	550	620	319	300	70	70	680	215	580	640	1200	900	LL300	200 kg
300 DL 511	917	195	465	800	430	550	620	450	109	70	70	680	215	580	640	1200	900	LL300	200 kg
300 DL 515	917	195	465	800	430	550	620	450	109	70	70	680	215	580	640	1200	900	LL300	200 kg
300 DL 518	952	195	465	800	430	550	620	450	112	70	70	680	215	580	640	1200	900	LL300	200 kg
300 DL 522	952	195	465	800	430	550	620	450	112	70	70	680	215	580	640	1200	900	LL300	200 kg
300 DL 530	990	195	465	800	430	550	620	292	300	70	70	680	215	580	640	1200	900	LL300	200 kg
300 DL 537	990	195	465	800	430	550	620	319	300	70	70	680	215	580	640	1200	900	LL300	200 kg
300 DL 545	990	195	465	800	430	550	620	319	300	70	70	680	215	580	640	1200	900	LL300	200 kg

Units: mm unless otherwise specified

DIMENSION (DRY-PIT VERSION)

Dimensions - Manual Models - 150, 200DDL 30-45kW (DRY PIT) 50Hz



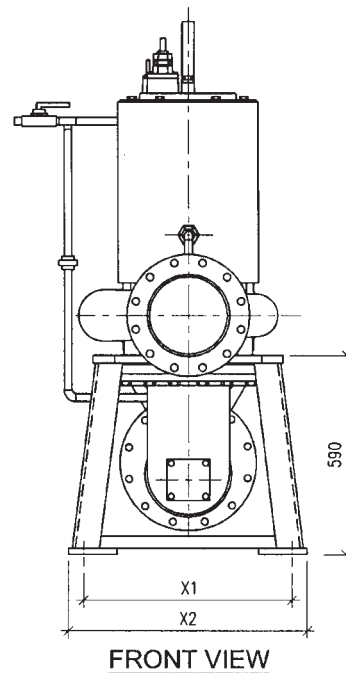
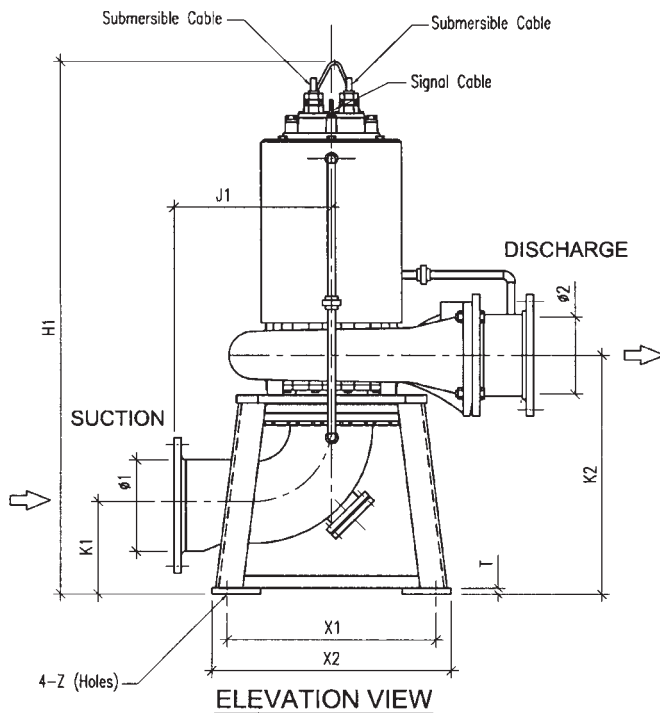
DISCHARGE PIPE FLANGE

Ø2	e	f	t	n	h
150	240	280	22	8	19
200	250	343	24	12	23

SUCTION PIPE FLANGE

Ø1	e	f	t	n	h
200	250	343	29	12	23

* FLANGE STD : JIS 10K RF

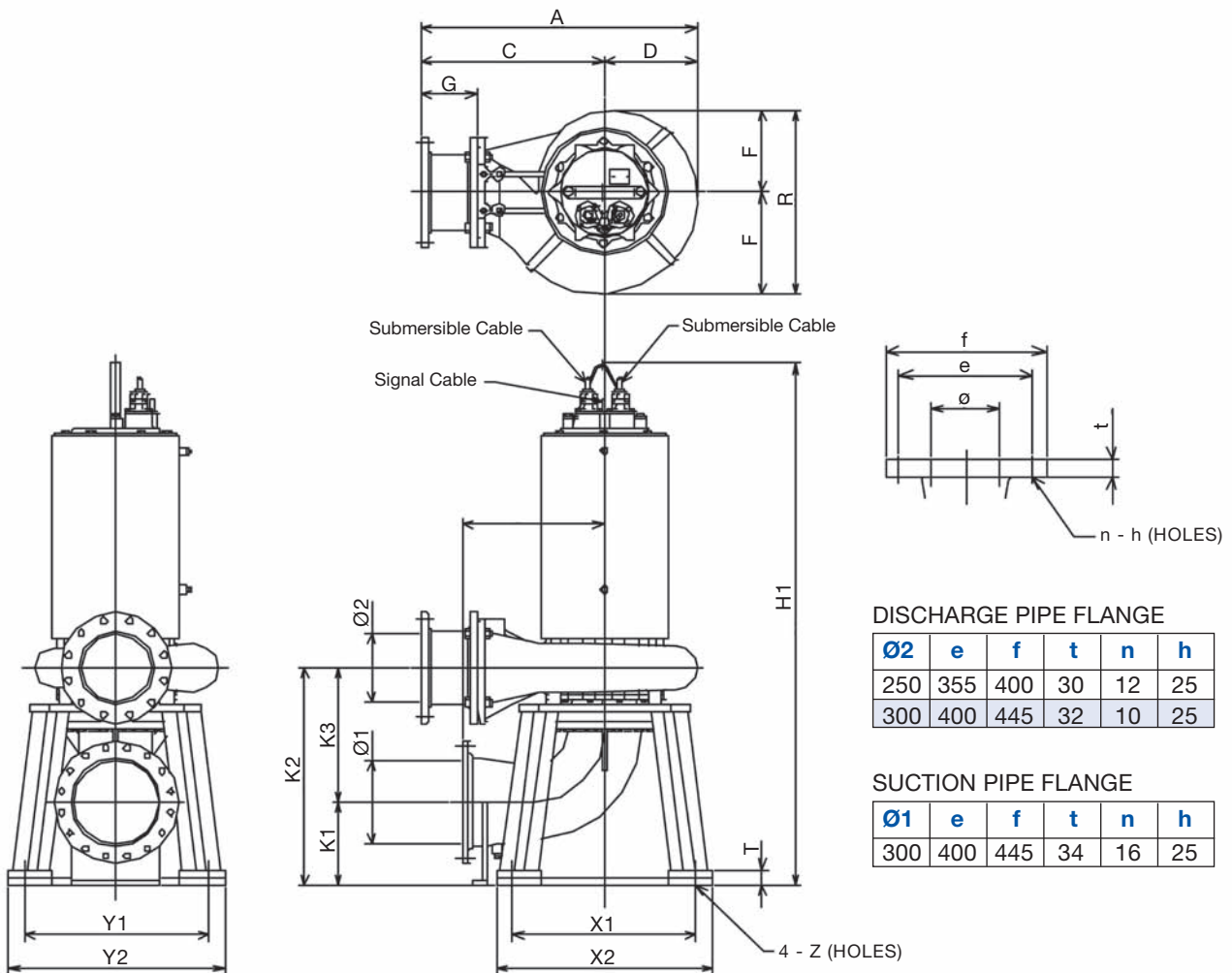


PHASE	HZ	SIZE DA		MODEL	OUTPUT KW	PUMP & MOTOR DIMENSION														
		Ø1	Ø2			A	B	C	D	E	F	G	H1	J1	K1	K2	T	X1	X2	Z
3	50	200	150	200 x 150 DDL530	30	772	520	510	262	283	238	150	1350	320	250	700	9	570	680	20
				200 x 150 DDL537	37	772	520	510	262	283	38	150	1350	320	250	700	9	570	680	20
				200 x 150 DDL545	45	772	520	510	262	283	238	150	1350	320	250	700	9	570	680	20
		200	200	200 x 200 DDL530	30	772	520	510	262	283	238	150	1350	320	250	700	9	570	680	20
				200 x 200 DDL537	37	772	520	510	262	283	238	150	1350	320	250	700	9	570	680	20
				200 x 200 DDL545	45	772	520	510	262	283	238	150	1350	320	250	700	9	570	680	20

Units: mm unless otherwise specified

DIMENSION (DRY-PIT VERSION)

Dimensions - Manual Models - 250, 300DDL 30-45kW (DRY PIT) 50Hz



PHASE	Hz	SIZE DA		MODEL	OUTPUT KW	PUMP & MOTOR DIMENSION																
		ø1	ø2			A	B	C	D	E	F	G	K1	K2	K3	X1	X2	Y1	X2	T	J1	H1
THREE	50	300	250	300 x 250 DDL530	30	995	660	660	335	368	293	200	304	785	481	665	780	665	780	56	514	1745
				300 x 250 DDL537	37	995	660	660	335	368	293	200	304	785	481	665	780	665	780	56	514	1884
				300 x 250 DDL545	45	995	660	660	335	368	293	200	304	785	481	665	780	665	780	56	514	1884
		300	300	300 x 300 DDL530	30	1105	660	770	335	368	293	310	304	785	481	665	780	665	780	56	514	1745
				300 x 300 DDL537	37	1105	660	770	335	368	293	310	304	785	481	665	780	665	780	56	514	1884
				300 x 300 DDL545	45	1105	660	770	335	368	293	310	304	785	481	665	780	665	780	56	514	1884

Units: mm unless otherwise specified