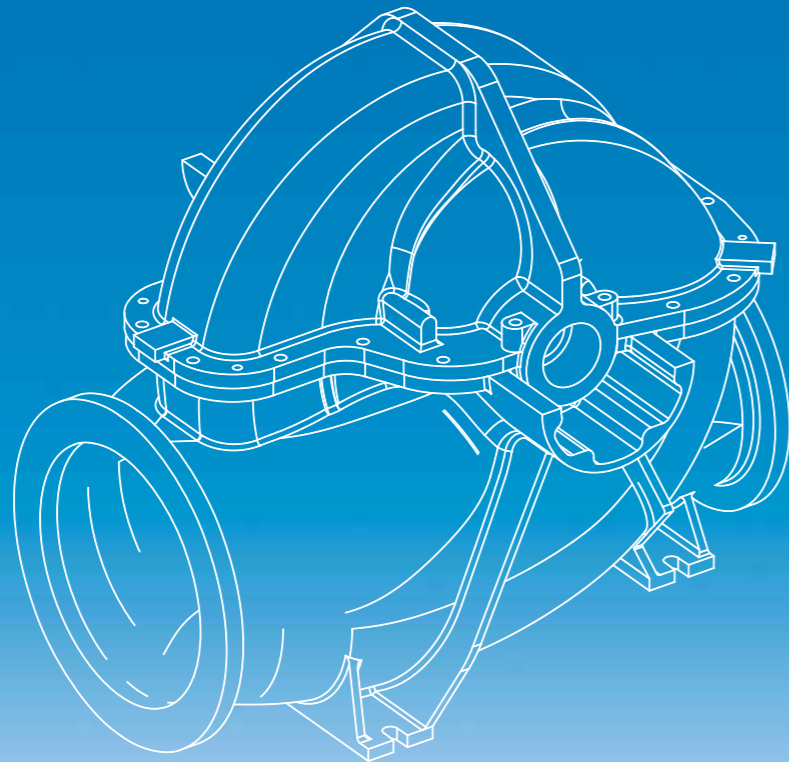


For Earth, For Life


KUBOTA

Double suction volute pump

DV-L type J series



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KUBOTA double suction volute pump

DV-L type J series

Double suction volute pump with higher efficiency and enhanced suction performance.

Our double suction volute pump DV-LJ is the latest pump series developed by KUBOTA, following an abundant feedback from major customers. As an advanced pump, the DV-LJ provides a total reliability and better cost-performance.

The DV-LJ series is available in extensive line-up and can be useful in various applications.

Features

1 High efficiency

Higher efficiency has been achieved using the latest hydraulic analysis. This unique design provides power saving and CO₂ reduction.

2 Enhanced suction performance

DV-LJ is operated with enhanced suction performance. Stable operation is made possible, even at lower water level.

3 Easy maintenance

Easily replaceable string-shaped rubber gasket is employed for the upper and lower seal face, and the shaft seal water piping is incorporated into the casing. Maintenance time is shorter since a number of parts have been reduced.

4 Increased durability and reliability

This pump has been developed through optimum design using the FEM structural analysis. Furthermore, standard stainless steel impeller and shaft offers better durability and corrosion protection.

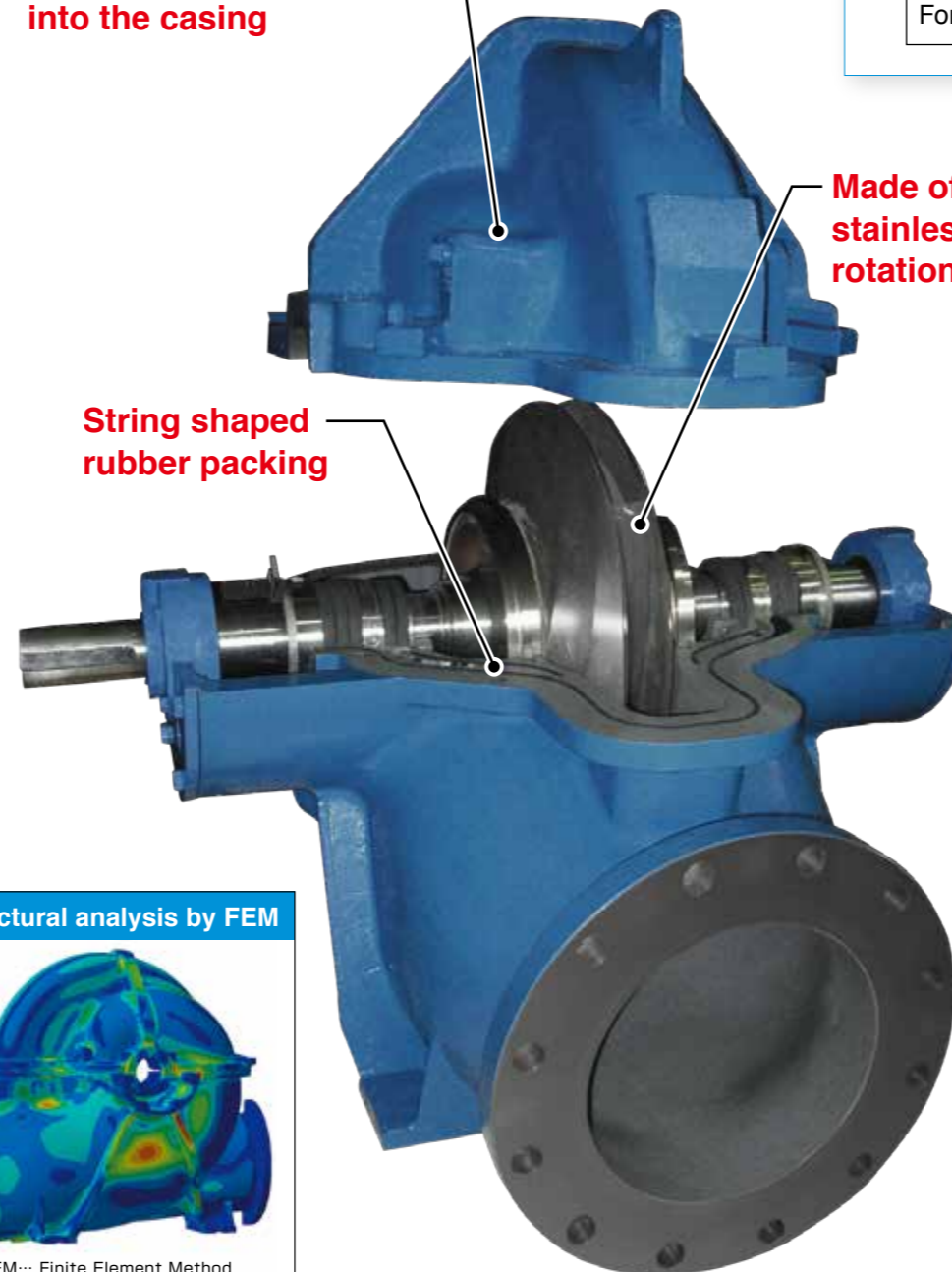
5 Light weight and compact

Lighter weight and compact size is achieved by full model change. Thus installation space can be saved and easier to handle.

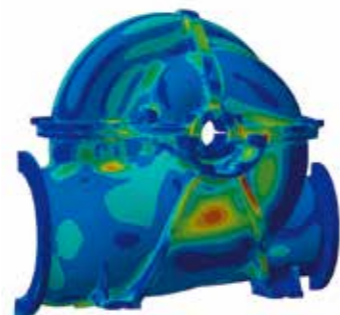
Incorporated shaft seal water piping into the casing

Made of stainless steel rotation body

String shaped rubber packing



Structural analysis by FEM



FEM... Finite Element Method

Application

1 City

For desalination, water intake, water transmission, pressurization, water distribution, front and back wash etc.

2 Industry

For water supply, cooling water circulation etc.

3 Irrigation

For agriculture, drainage etc.

4 Building, air-conditioning

For water supply, fire-extinguish, etc.

Specification detail

- Suction bore : $\Phi 200 \sim \Phi 1350$
- Capacity : $3.2 \text{ m}^3/\text{min} \sim 415 \text{ m}^3/\text{min}$
- Total head : $8 \text{ m} \sim 180 \text{ m}$
- Number of poles : $4 \sim 14 \text{ P}$

Material

Parts name	Standard Material / Eq.JIS grade	Optional
Casing ^{note1)}	Gray iron casting / FC250 Ductile iron casting / FCD450-10	Steel casting, Duplex SS casting
Impeller	Stainless steel casting / SCS13	Steel casting, Duplex SS casting
Shaft	Stainless steel / SUS403	Carbon Steel, Duplex SS
Casing ring	Stainless steel / SUS304	Any other materials
Packing sleeve	Stainless steel / SUS304	Any other materials

note1) Different in the standard material every frame No.

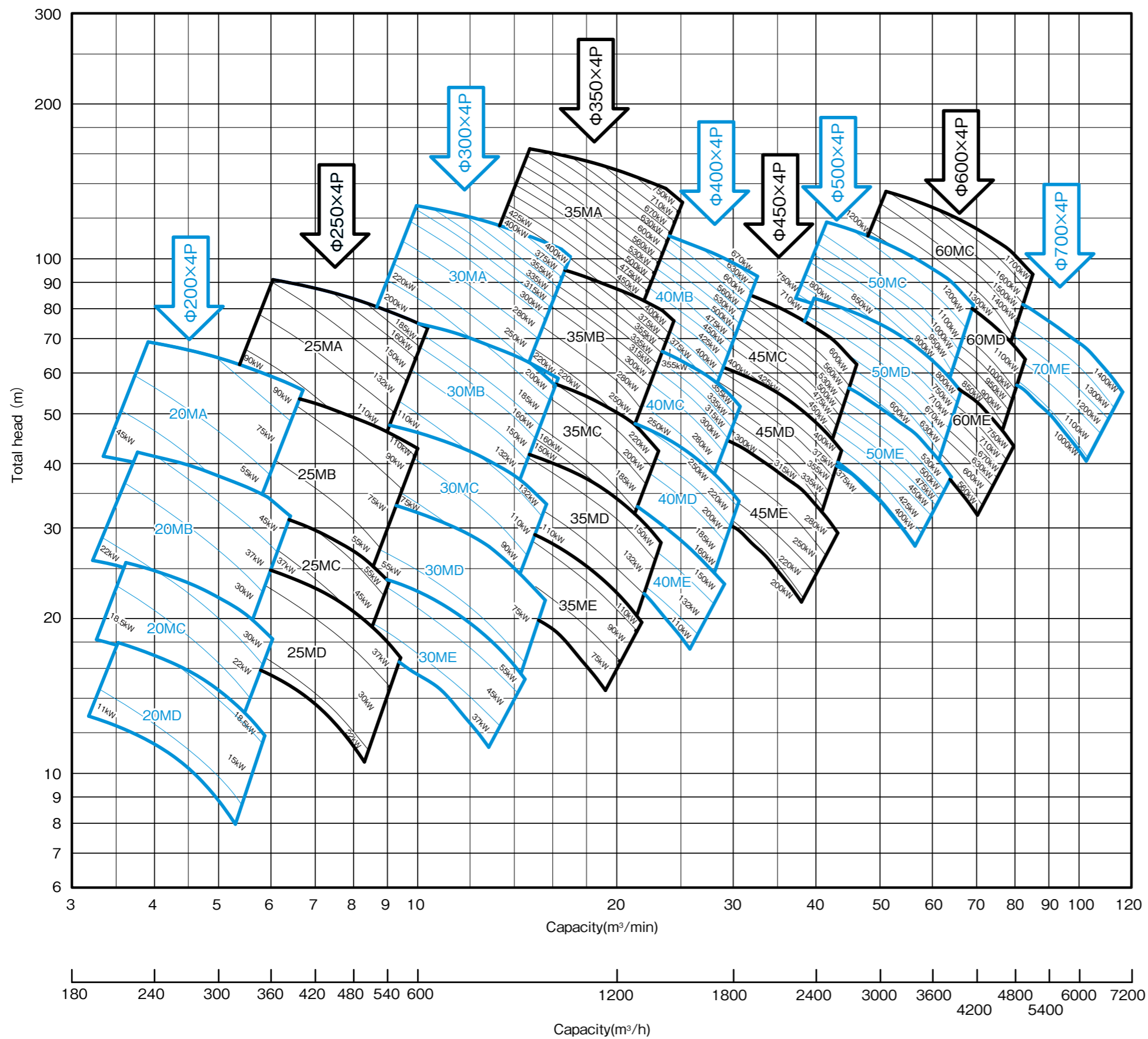
Pump specification

	Standard	Optional
Liquid	Fresh water, River water, Industrial water	Sea water
Liquid temperature	0°C to 80°C	N.A
Suction pressure	<0.1MPa, <0.2MPa ^{note2)}	
Flange	ISO	JIS, ANSI, BS
Bearing	Ball, Roller ^{note2)}	
Bearing lubrication	Grease, Oil ^{note2)}	
Impeller ring	Not provided	Adaptable
Shaft seal	Gland packing	Mechanical seal
Sleeve	Only gland packing section	Shaft sleeve are adaptable
Painting	Casing internal: Epoxy resin painting for water service Outside surface: Epoxy resin painting	Specified painting
Finish color	Munsell 10B 6/6	Specified color
Driving machine	Electric motor	
Rotating direction	Clockwise (viewed from drive machine)	Counter-clockwise
Suction, discharge direction	horizontal-horizontal	—
Accessory	Base, Foundation bolts, Coupling, Coupling cover	Priming detector, Pressure gauge, Temperature detector

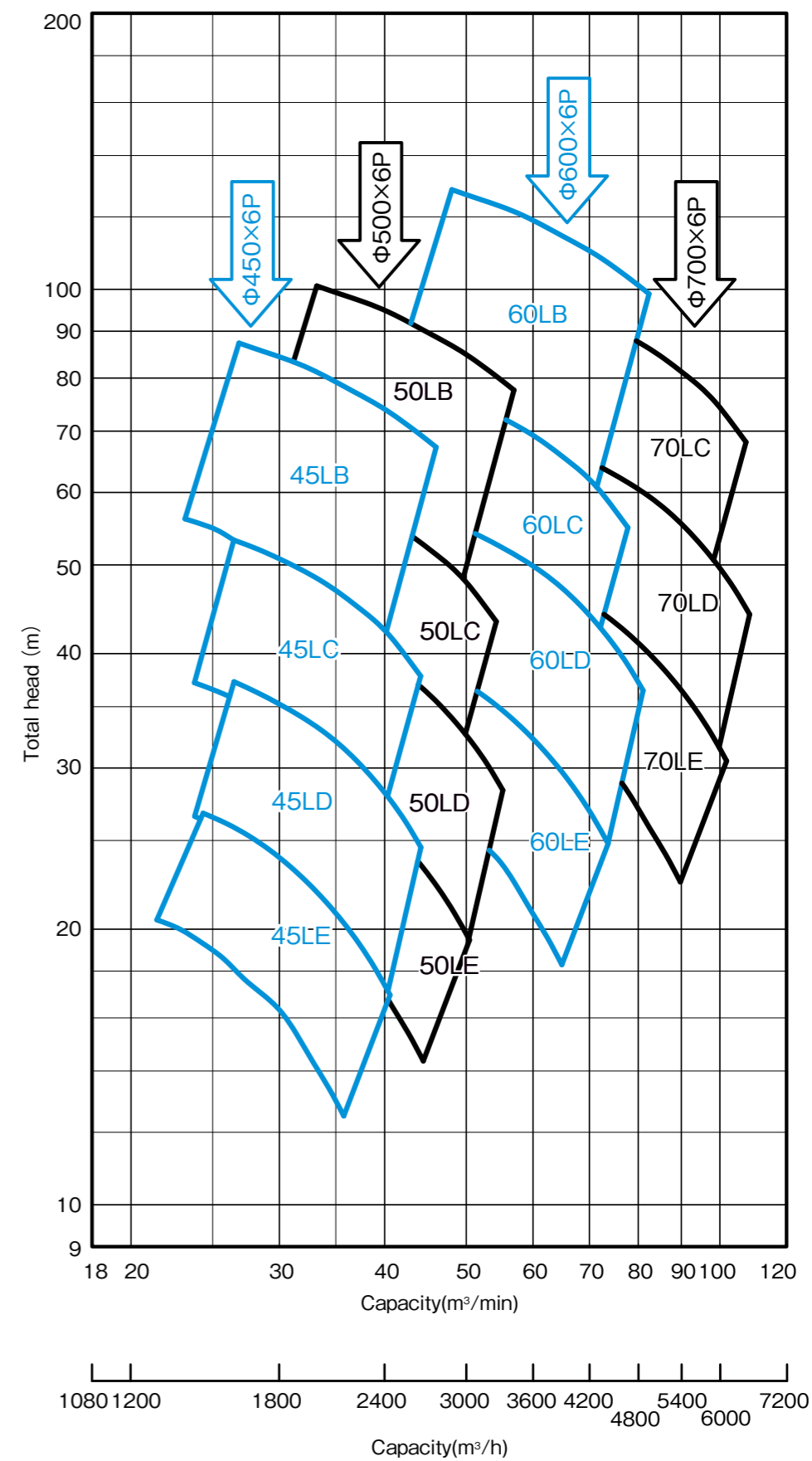
Note1) Contact us for any specification other than the above.

Note2) Different every frame No.

Frame No.20MA-70ME (4P)
50Hz x 4P (Speed 1500min⁻¹)

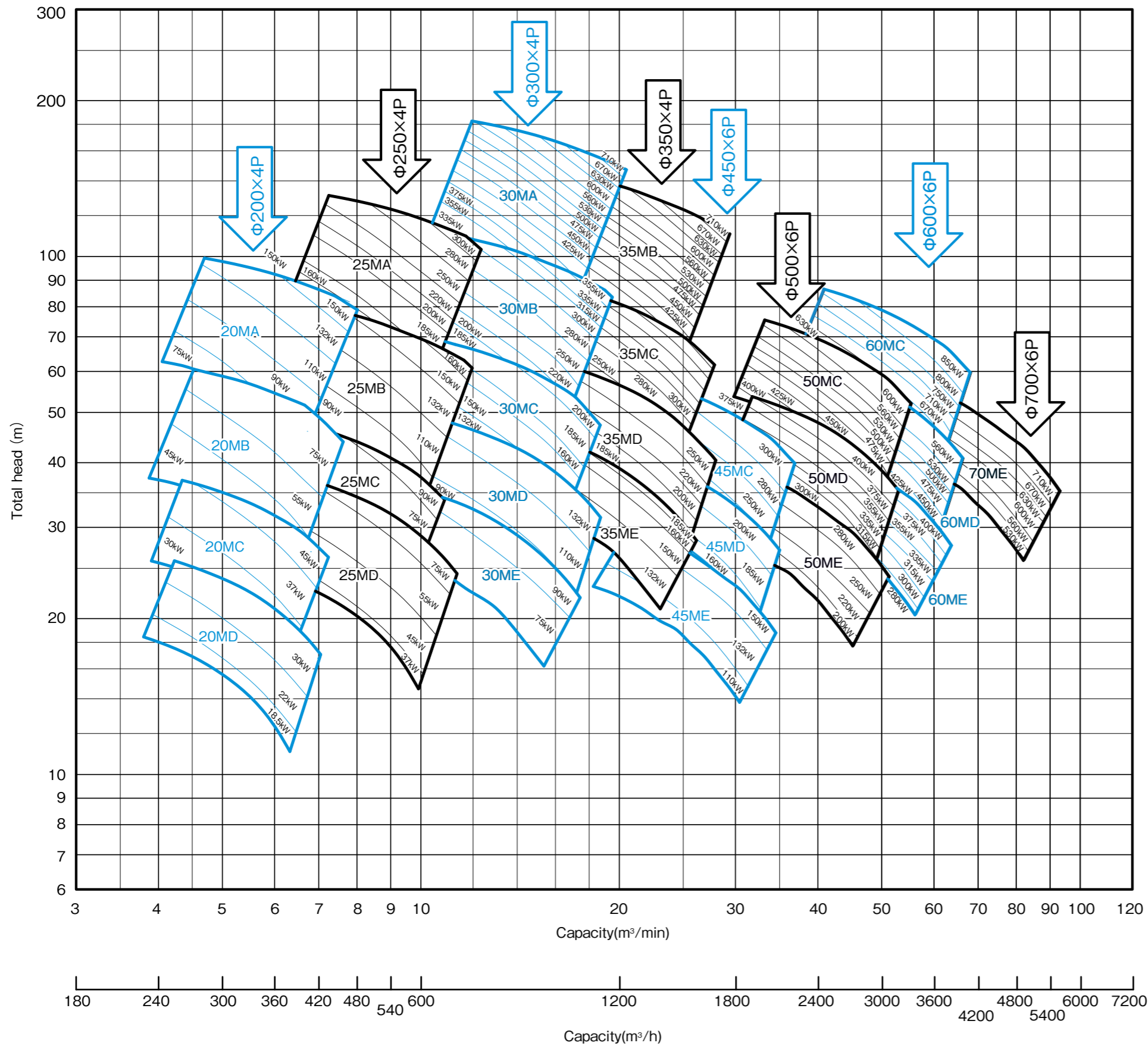


Frame No.45LB-70LE (6P)
50Hz x 6P (Speed 1000min⁻¹)

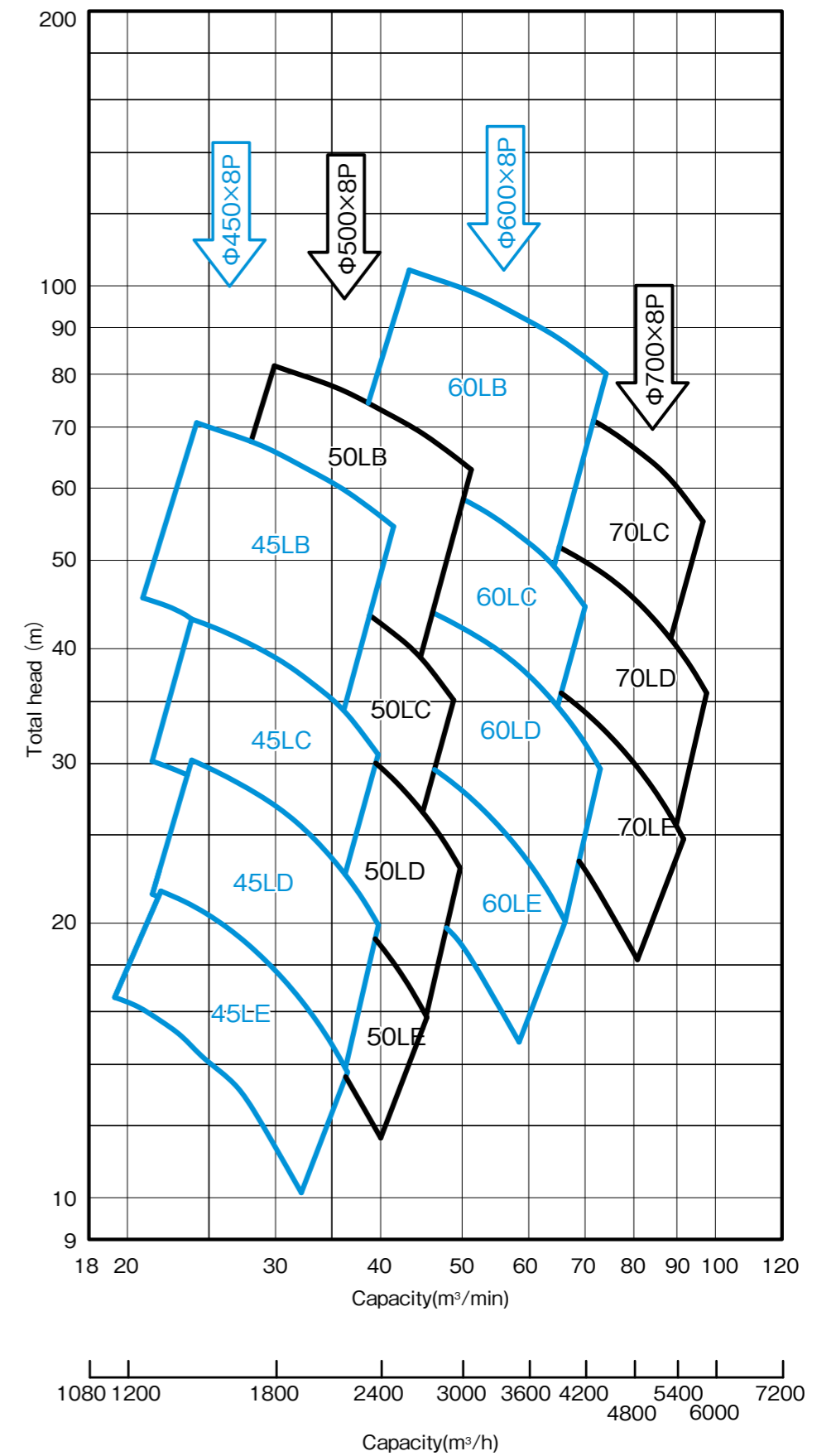


Selection chart (Suction bore 200 to 700)

Frame No.20MA-35ME (4P), 45MC-70ME (6P)
 60Hz x 4,6P (Speed 1800,1200min⁻¹)

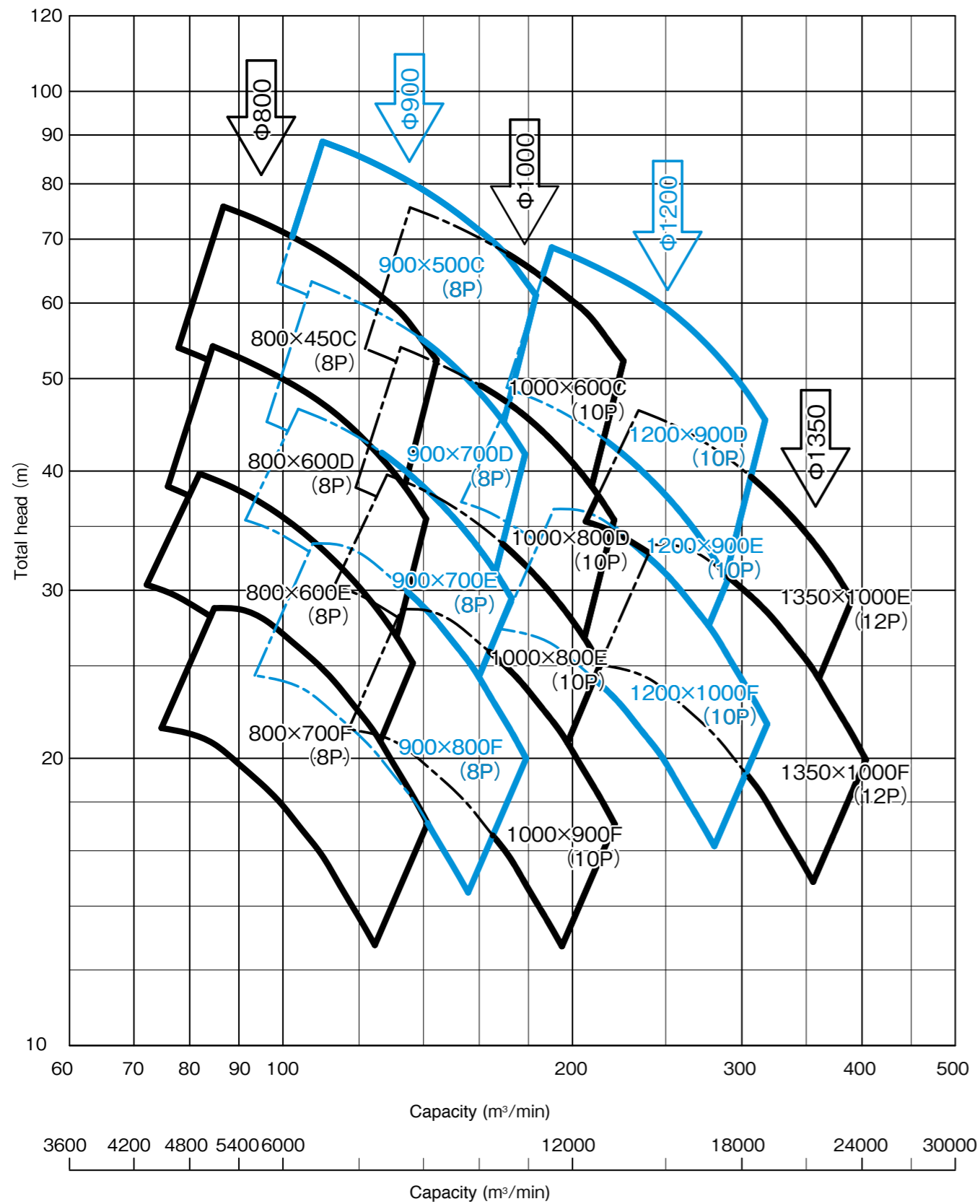


Frame No.45LB-70LE (8P)
 60Hz x 8P (Speed 900min⁻¹)



Selection chart (Suction bore 800 to 1350)

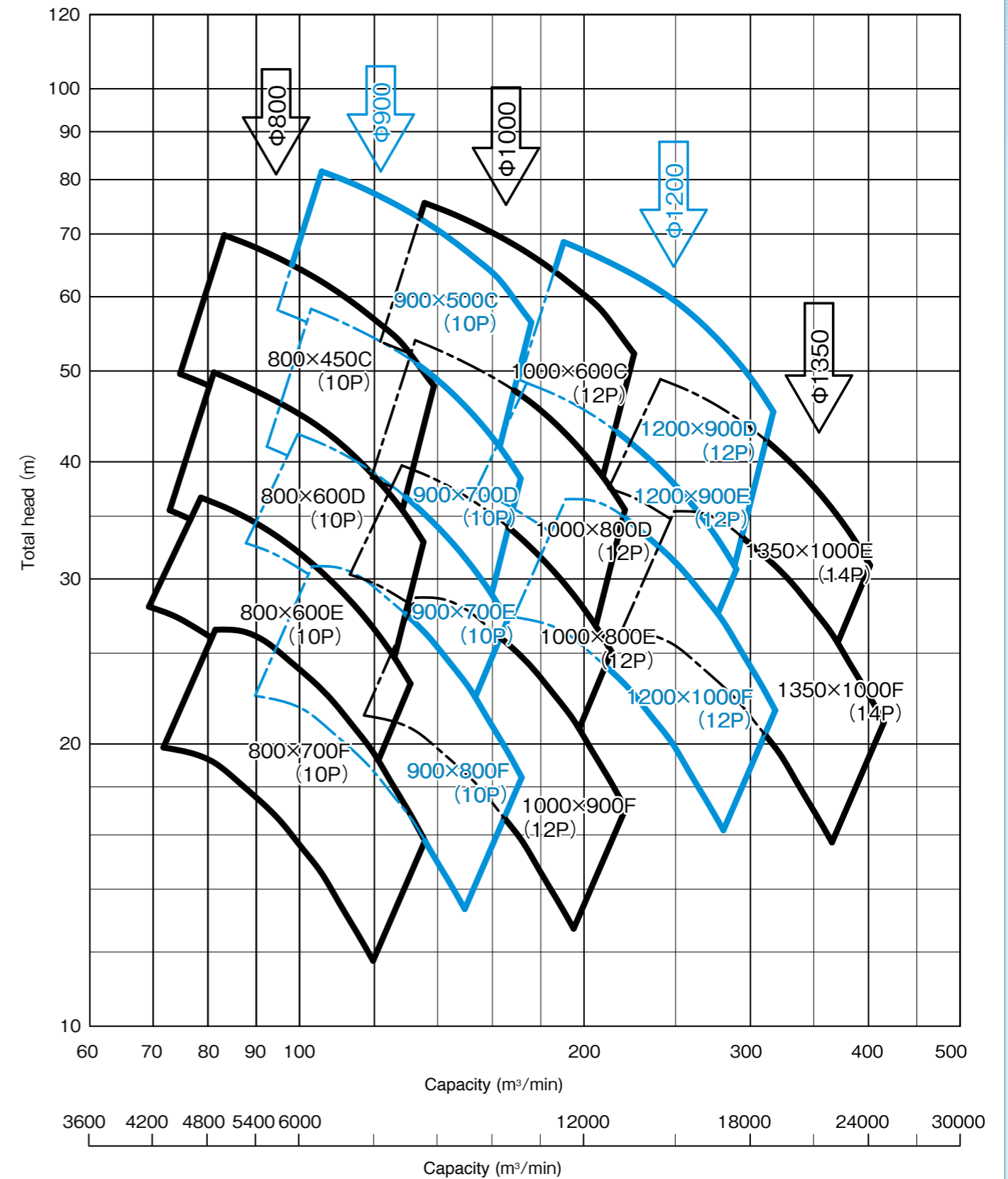
50Hz × 8P~12P (Speed 750min⁻¹~500min⁻¹)



Note) Frames indicated here are for standard guidance.

Description of symbol	800×450C
	Suction bore _____
	Discharge bore _____
	Frame No. _____

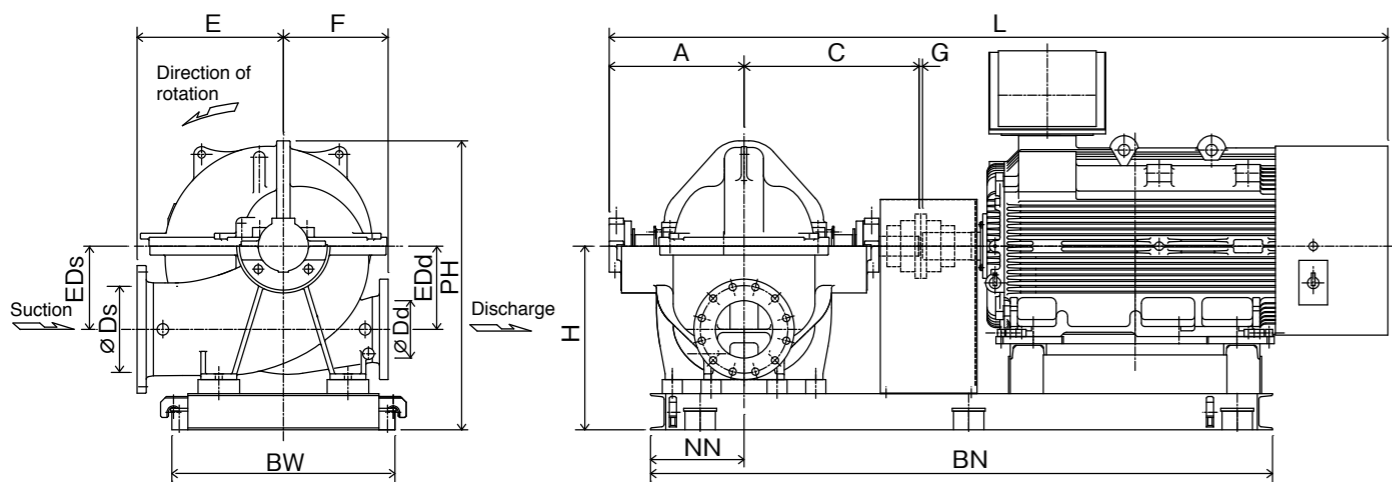
60Hz × 10P~14P (Speed 720min⁻¹~514min⁻¹)



Note) Frames indicated here are for standard guidance.

Description of symbol	800×450C
	Suction bore _____
	Discharge bore _____
	Frame No. _____

Outline dimension (Suction bore 200 to 700)



Motor output	Motor voltage
~150kW	400V
160kW~	3000V

Unit (mm)

50Hz Frame No. 20MA~70ME (4P)

Frame No.	Motor output (kW)	Pole	Ds	Dd	A	C	E	F	EDs	EDd	H	PH	G	L	BN	BW	NN	Mass (kg)
20MA	45	4	200	125	400	530	385	335	230	260	480	799	4	1734	1440	614	250	760
	55	4	200	125	400	530	385	335	230	260	480	799	4	1747	1440	614	250	830
	75	4	200	125	400	530	385	335	230	260	480	799	4	1866	1480	634	250	920
	90	4	200	125	400	530	385	335	230	260	480	799	4	1866	1520	634	250	950
20MB	22	4	200	125	385	500	335	280	215	215	465	726	3	1560	1300	534	250	570
	30	4	200	125	385	500	335	280	215	215	465	726	4	1599	1340	534	250	600
	37,45	4	200	125	385	500	335	280	215	215	465	726	4	1689	1410	534	250	670
20MC	18.5,22	4	200	150	360	465	315	280	200	200	450	673	3	1500	1270	534	250	490
	30	4	200	150	360	465	315	280	200	200	450	673	4	1539	1310	534	250	520
20MD	11	4	200	150	355	450	310	280	190	190	440	647	3	1433	1210	534	250	360
	15	4	200	150	355	450	310	280	190	190	440	647	3	1433	1250	534	250	380
	18.5	4	200	150	355	450	310	280	190	190	440	647	3	1480	1250	534	250	440
25MA	90	4	250	150	450	595	505	380	265	300	565	938	4	1981	1610	714	280	1210
	110	4	250	150	450	595	505	380	265	300	565	938	10	2131	1690	714	280	1290
	132	4	250	150	450	595	505	380	265	300	565	938	10	2131	1740	714	280	1360
	150,160	4	250	150	450	595	505	380	265	300	565	938	10	2221	1760	714	280	1650
25MB	55	4	250	150	420	550	390	310	250	250	500	803	4	1787	1480	594	270	850
	75	4	250	150	420	550	390	310	250	250	500	803	4	1906	1520	584	270	940
	90	4	250	150	420	550	390	310	250	250	500	803	4	1906	1560	584	270	970
	110	4	250	150	420	550	390	310	250	250	500	803	10	2056	1630	654	270	1050
25MC	37,45	4	250	150	400	515	360	310	230	230	480	736	4	1719	1440	594	270	710
	55	4	250	150	400	515	360	310	230	230	480	736	4	1732	1440	594	270	780
25MD	22	4	250	200	375	490	355	310	220	220	470	711	3	1540	1310	594	270	560
	30	4	250	200	375	490	355	310	220	220	470	711	4	1579	1350	594	270	600
	37	4	250	200	375	490	355	310	220	220	470	711	4	1669	1420	594	270	660
30MA	200~250	4	300	200	530	690	600	450	310	350	710	1170	10	2647	1960	852	330	2530
	280~400	4	300	200	530	690	600	450	310	350	710	1170	12	2854	2280	852	340	3130
30MB	110	4	300	200	480	625	510	365	290	290	590	957	10	2191	1760	714	320	1340
	132	4	300	200	480	625	510	365	290	290	590	957	10	2191	1810	714	320	1410
	150,160	4	300	200	480	625	510	365	290	290	590	957	10	2281	1810	714	320	1690
	185~220	4	300	200	480	625	510	365	290	290	590	957	10	2532	1870	714	320	2010
30MC	75	4	300	200	445	585	425	365	270	270	570	878	4	1966	1600	714	320	1040
	90	4	300	200	445	585	425	365	270	270	570	878	4	1966	1640	714	320	1070
	110	4	300	200	445	585	425	365	270	270	570	878	10	2116	1720	714	320	1140
	132	4	300	200	445	585	425	365	270	270	570	878	10	2116	1770	714	320	1220
30MD	55	4	300	250	435	565	410	365	260	260	560	843	4	1817	1540	694	320	890
	75	4	300	250	435	565	410	365	260	260	560	843	4	1936	1580	714	320	980
30ME	37,45	4	300	250	415	530	390	365	245	245	545	810	4	1749	1500	694	310	780
	55	4	300	250	415	530	390	365	245	245	545	810	4	1762	1500	694	310	850

Note 1) Dimensions of electric motor and base related dimensions depend on output and model of electric motor. Note 2) This table shows one example for mounting totally-enclosed-fan-cooled electric motor.
 Note 3) These described weights are total of pump, electric motor and standard accessories. Note 4) All dimensions and weights are reference only not to be use for construction.

Unit(mm)

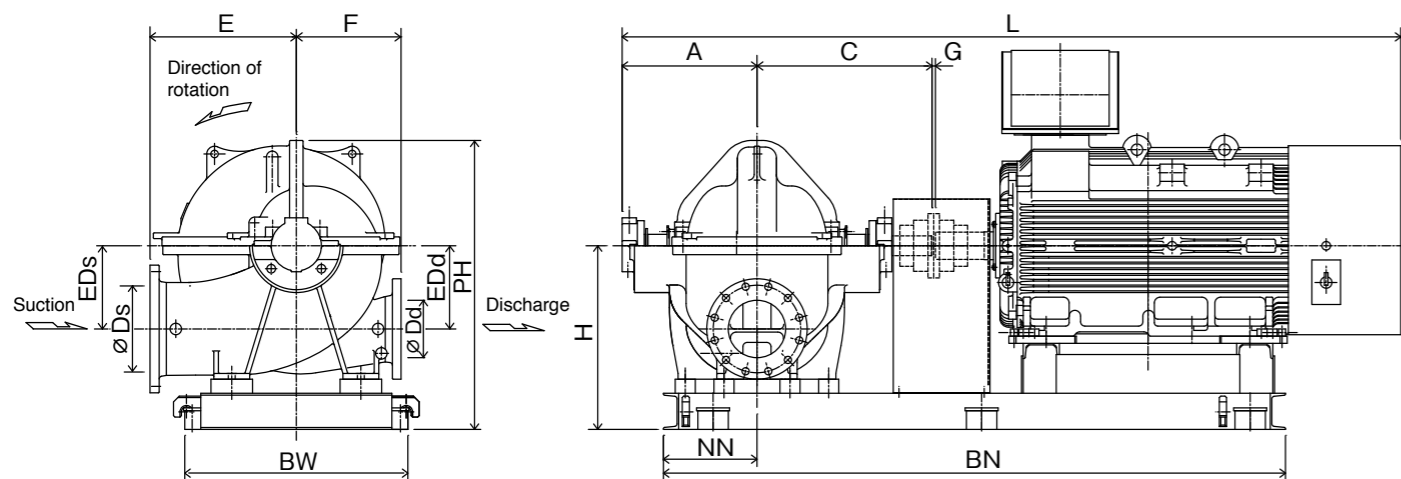
Frame No.	Motor output (kW)	Pole	Ds	Dd	A	C	E	F	EDs	EDd	H	PH	G	L	BN	BW	NN	Mass (kg)
35MA	400	4	350	200	590	750	650	510	355	400	805	1311	12	2974	2400	922	370	3580
	425~630	4	350	200	590	750	650	510	355	400	855	1361	12	3242	2720	922	380	4560
	670~750	4	350	200	590	750	650	510	355	400	855	1361	14	3404	2850	934	380	5220
35MB	220,250	4	350	200	560	720	565	415	335	335	735	1161	10	2707	2030	774	360	2490
	280~400	4	350	200	560	720	565	415	335	335	735	1161	12	2914	2340	792	370	3090
35MC	150,160	4	350	200	510	655	520	415	310	310	710	1068	10	2341	1920	774	360	1830
	185~220	4	350	200	510	655	520	415	310	310	710	1068	10	2592	1960	774	360	2130
35MD	110	4	350	250	480	620	450	415	295	295	595	920	10	2186	1780	774	350	1240
	132	4	350	250	480	620	450	415	295	295	645	970	10	2186	1870	774	360	1340
	150	4	350	250	480	620	450	415	295	295	645	970	10	2276	1870	774	360	1480
35ME	75	4	350	250	460	590	435	415	280	280	580	880	4	1986	1640	774	350	1060
	90	4	350	250	460	590	435	415	280	280	580	880	4	1986	1680	774	350	1090
	110	4	350	250	460	590	435	415	280	280	580	880	10	2136	1750	774	350	1160
40MB	355~400	4	400	250	570	730	610	455	365	365	815	1276	12	2934	2400	852	400	3370
	425~630	4	400	250	570	730	610	455	365	365	865	1326	12	3202	2730	822	410	4340
	670	4	400	250	570	730	610	455	365	365	865	1326	14	3364	2860	934	410	5020
40MC	250	4	400	250	530	675	565	455	340	340	740	1130	10	2632	2010	834	390	2330
	280~355	4	400	250	530	675	565	455	340	340	790	1180	12	2839	2350	852	400	2890
40MD	185~250	4	400	300	510	645	555	455	320	320	720	1074	10	2582	1980	834	390	2140
40ME	110	4	400	300	480	610	475	455	310	310	660	989	10	2176	1820	834	380	1290
	132	4	400	300	480	610	475	455	310	310	660	989	10	2176	1880	834	380	1370
	150,160	4	400	300	480	610	475	455	310	310	660	989	10	2266	1880	834	380	1650
45MC	600	4	450	250	610	770	630	515	390	390	890	1325	12	3285	2790	978	450	4150
45MD	400	4	450	300	595	735	620	510	360	360	810	1210	12	2965	2460	978	450	3070
45ME	280	4	450	350	550	690	590	510	350	350	800	1180	12	2875	2380	942	440	2630
50MC	1200	4	500	300	740	905	710	580	440	440	990	1490	14	4045	3420	1098	510	7020
50MD	800	4	500	350	675	840	690	580	415	415	965	1430	14	3675	3160	1088	500	5610
50ME	530	4	500	400	630	790	665	580	395	395	895	1325	12	3325	2850	1088	490	4080
60MC	1700	4	600	300	780	980	790	625	470	470	1070	1610	16	4165	3510	1128	520	8780
60MD	1100	4	600	400	710	875	760	625	445	445	1045	1545	14	3985	3400	1128	520	7010
60ME	750	4	600	400	695	860	710	625	425	425	1025	1485	14	3620	3100	1138	520	5410
70ME	1400	4	700	450	800	995	820	660	480	480	1130	1650	16	4200	3580	1268	580	7730

Frame No. 45LB~70LE (6P)

Unit(mm)

Frame No.	Motor output (kW)	Pole	Ds	Dd	A	C	E	F	EDs	EDd	H	PH	G	L	BN	BW	NN	Mass (kg)
45LB	670	6	450	300	675	835	760	580	470	470	970	1550	14	3574	3050	1074	500	6020
45LC	375	6	450	300	635	795	705	580	440	440	94							

Outline dimension (Suction bore 200 to 700)



Motor output	Motor voltage
~150kW	440V
160kW~	3300V

60Hz Frame No. 20MA~35ME (4P)

Frame No.	Motor output (kW)	Poles	Ds	Dd	A	C	E	F	EDs	EDd	H	PH	G	L	BN	BW	NN	Mass (kg)
20MA	75	4	200	125	400	530	385	335	230	260	480	799	4	1866	1480	634	250	920
	90	4	200	125	400	530	385	335	230	260	480	799	4	1866	1520	634	250	950
	110	4	200	125	400	530	385	335	230	260	480	799	10	2016	1590	654	250	1030
	132	4	200	125	400	530	385	335	230	260	480	799	10	2016	1650	654	250	1100
20MB	45	4	200	125	385	500	335	280	215	215	465	726	4	1689	1410	534	250	670
	55	4	200	125	385	500	335	280	215	215	465	726	4	1702	1410	534	250	750
20MC	75	4	200	125	385	500	335	280	215	215	465	726	4	1821	1450	584	250	840
	30	4	200	150	360	465	315	280	200	200	450	673	4	1539	1310	534	250	520
20MD	37,45	4	200	150	360	465	315	280	200	200	450	673	4	1629	1370	534	250	590
	18,5,22	4	200	150	355	450	310	280	190	190	440	647	3	1480	1250	534	250	440
25MA	30	4	200	150	355	450	310	280	190	190	440	647	4	1519	1290	534	250	490
	150~185	4	250	150	450	595	505	380	265	300	615	988	10	2221	1800	714	290	1680
25MB	200~280	4	250	150	450	595	505	380	265	300	615	988	10	2472	1830	714	290	2040
	300	4	250	150	450	595	505	380	265	300	615	988	12	2679	2110	752	290	2360
25MC	90	4	250	150	420	550	390	310	250	250	500	803	4	1906	1560	584	270	970
	110	4	250	150	420	550	390	310	250	250	500	803	10	2056	1630	654	270	1050
	132	4	250	150	420	550	390	310	250	250	500	803	10	2056	1690	654	270	1120
25MD	150,160	4	250	150	420	550	390	310	250	250	500	803	10	2146	1720	654	280	1400
	75	4	250	150	400	515	360	310	230	230	480	736	4	1851	1480	584	270	870
30MA	90	4	250	150	400	515	360	310	230	230	480	736	4	1851	1520	584	270	900
	37,45	4	250	200	375	490	355	310	220	220	470	711	4	1669	1420	594	270	670
30MB	55	4	250	200	375	490	355	310	220	220	470	711	4	1682	1420	594	270	740
	75	4	250	200	375	490	355	310	220	220	470	711	4	1801	1460	584	270	830
30MC	335~450	4	300	200	530	690	600	450	310	350	710	1170	12	2854	2300	852	340	3150
	475~710	4	300	200	530	690	600	450	310	350	710	1170	12	3122	2570	822	340	4070
35ME	185	4	300	200	480	625	510	365	290	290	590	957	10	2281	1810	714	320	1690
	200~280	4	300	200	480	625	510	365	290	290	590	957	10	2532	1870	714	320	2070
35MD	300~355	4	300	200	480	625	510	365	290	290	640	1007	12	2739	2180	752	330	2470
	132	4	300	200	445	585	425	365	270	270	570	878	10	2116	1770	714	320	1220
35ME	150~185	4	300	200	445	585	425	365	270	270	570	878	10	2206	1790	714	320	1510
	200	4	300	200	445	585	425	365	270	270	620	928	10	2457	1860	714	330	1720

Note 1) Dimensions of electric motor and base related dimensions depend on output and model of electric motor. Note 2) This table shows one example for mounting totally-enclosed-fan-cooled electric motor. Note 3) These described weights are total of pump, electric motor and standard accessories. Note 4) All dimensions and weights are reference only not to be use for construction.

Unit(mm)

Frame No.	Motor output (kW)	Poles	Ds	Dd	A	C	E	F	EDs	EDd	H	PH	G	L	BN	BW	NN	Mass (kg)
30MD	90	4	300	250	435	565	410	365	260	260	560	843	4	1936	1620	714	320	1020
	110	4	300	250	435	565	410	365	260	260	560	843	10	2086	1700	714	320	1090
	132	4	300	250	435	565	410	365	260	260	560	843	10	2086	1750	714	320	1170
30ME	75	4	300	250	415	530	390	365	245	245	545	810	4	1881	1540	714	310	940
	90	4	300	250	415	530	390	365	245	245	545	810	4	1881	1580	714	310	970
35MB	375~450	4	350	200	560	720	565	415	335	335	735	1161	12	2914	2370	792	370	3120
	475~710	4	350	200	560	720	565	415	335	335	735	1161	12	3182	2630	822	370	4040
35MC	250,280	4	350	200	510	655	520	415	310	310	710	1068	10	2592	1960	774	360	2190
	300~400	4	350	200	510	655	520	415	310	310	710	1068	12	2799	2300	792	370	2720
35MD	185	4	350	250	480	620	450	415	295	295	645	970	10	2276	1870	774	360	1620
	200~250	4	350	250	480	620	450	415	295	295	645	970	10	2527	1930	774	360	1940
35ME	132	4	350	250	460	590	435	415	280	280	580	880	10	2136	1800	774	350	1240
	150~185	4	350	250	460	590	435	415	280	280	630	930	10	2226	1840	774	360	1550

Frame No. 45MC~70ME (6P)

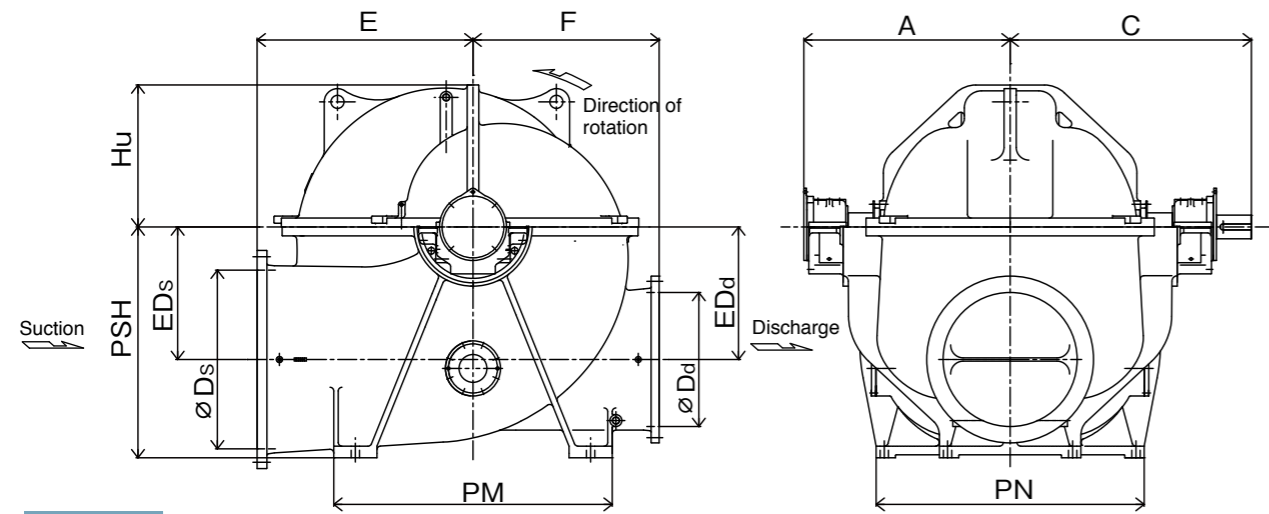
Frame No.	Motor output (kW)	Poles	Ds	Dd	A	C	E	F	EDs	EDd	H	PH	G	L	BN	BW	NN	Mass (kg)
45MC	300	6	450	250	610	770	630	515	390	390	890	1325	12	3330	2850	978	450	4170
45MD	200	6	450	300	595	735	620	510	360	360	805	1205	10	2760	2140	942	440	2440
45ME	150	6	450	350	550	690	590	510	350	350	750	1130	10	2420	2010	924	430	1860
50MC	600	6	500	300	740	905	710	580	440	440	990	1490	12	3685	3110	1088	510	5780
50MD	400	6	500	350	675	840	690	580	415	415	915	1380	12	3465	2970	1088	500	4610
50ME	280	6	500	400	630	790	665	580	395	395	895	1325	12	3055	2580	1088	490	3320
60MC	850	6	600	300	780	980	790	625	470	470	1070	1610	14	4160	3520	1166	530	7380
60MD	560	6	600	400	710	875	760	625	445	445	1045	1545	12	3625	3090	1138	520	5640
60ME	400	6	600	400	695	860	710	625	425	425	1025	1485	12	3505	3030	1138	520	4790
70ME	710	6	700	450	800	995	820	660	480	480	1130	1650	12	3955	3380	1268	580	6510

Frame No. 45LB~70LE (8P)

Frame No.	Motor output (kW)	Poles	Ds	Dd	A	C	E	F	EDs	EDd	H	PH	G	L	BN	BW	NN	Mass (kg)
45LB	475	8	450	300	675	835	760	580	470	470	970	1550	14	3574	3050	1074	500	5550
45LC	280	8	450	300	635	795	705	580	440	440	940	1434	12	3332	2850	1052	490	4260
45LD	185	8	450	350	615	760	610	580	415	415	865	1313	12	3009	2530	1052	490	3050
45LE	132	8	450	400	565	700	595	580	395	395	795	1208	10	2692	2130	1034	480	2330
50LB	670	8	500	300	770	950	825	625	505	505	1055	1683	14	3924	3280	1128	520	7770
50LC	375	8	500	300	700	860	760	625	470	470	1020	1554	12	3462	2970	1102	520	4780
50LD	250	8	500	400	645	805	740	625	445	445	945	1426	12	3084	2590	1102	510	3370
50LE	160	8	500	400	600	745	710	625	425	425	925	1369	10	2772	2250	1102	510	2750
60LB	1300	8	600	350	875	1095	935	700	570	570	1220	1938	16	4721	3970	1306	590	11930
60LC	710	8	600	350	815	1005	860	700	525	525	1125	1730	14	4024	3390	1268	580	8090
60LD	475	8	600	450	735	895	840	650	505	505	1105	1654	14	3694	3190	1254	580	5870
60LE	300	8	600	450	680	840	800	650	480	480	1030	1531	12	3422	2970	1232	570	4600
70LC	1200	8	700	400	910	1130	965	780	585	585	1285	1964	16	4641	3900	1426	640	11390
70LD	750	8	700	500	845	1025	930	725	555	555	1205	1814	14	4139	3540	1388	640	8150
70LE	500	8	700	500	765	945	890	725	530	530	1180	1742	14	3774	3300	1374	640	6270

Unit(mm)

Outline dimension (Suction bore 800 to 1350)



50Hz

Frame No.	Motor output (kW)	Poles	Ds	Dd	A	C	E	F	EDs	EDd	PSH	Hu	PM	PN	Mass (kg)
800×450C	1600	8	800	450	1150	1380	1100	935	700	700	1160	804	1330	1278	6200
800×600D	1100	8	800	600	965	1165	1060	870	665	665	1120	723	1330	1278	4500
800×600E	750	8	800	600	925	1085	1025	880	645	645	1095	676	1330	1278	3900
800×700F	560	8	800	700	930	1090	1025	880	630	630	1080	686	1330	1278	3700
900×500C	2400	8	900	500	1255	1535	1185	1010	760	760	1280	874	1440	1382	8400
900×700D	1600	8	900	700	1195	1425	1145	940	720	720	1235	786	1440	1382	6600
900×700E	1100	8	900	700	995	1195	1110	950	695	695	1200	733	1440	1382	5000
900×800F	850	8	900	800	1025	1215	1110	950	680	680	1185	745	1440	1382	5000
1000×600C	2500	10	1000	600	1380	1660	1370	1165	875	875	1450	1003	1660	1596	11500
1000×800D	1700	10	1000	800	1295	1575	1325	1085	835	835	1405	902	1660	1596	8800
1000×800E	1200	10	1000	800	1235	1455	1280	1100	805	805	1365	843	1660	1596	7400
1000×900F	900	10	1000	900	1110	1330	1280	1095	785	785	1340	855	1660	1596	6800
1200×900D	3100	10	1200	900	1485	1795	1495	1225	940	940	1620	1029	1870	1800	13600
1200×900E	2000	10	1200	900	1365	1675	1415	1215	890	890	1560	937	1870	1800	10500
1200×1000F	1600	10	1200	1000	1405	1660	1415	1215	885	885	1555	971	1870	1800	10900
1350×1000E	2500	12	1350	1000	1580	1890	1660	1425	1040	1040	1795	1097	2195	2110	16200
1350×1000F	1900	12	1350	1000	1605	1885	1660	1420	1020	1020	1770	1116	2195	2110	15900

Unit (mm)

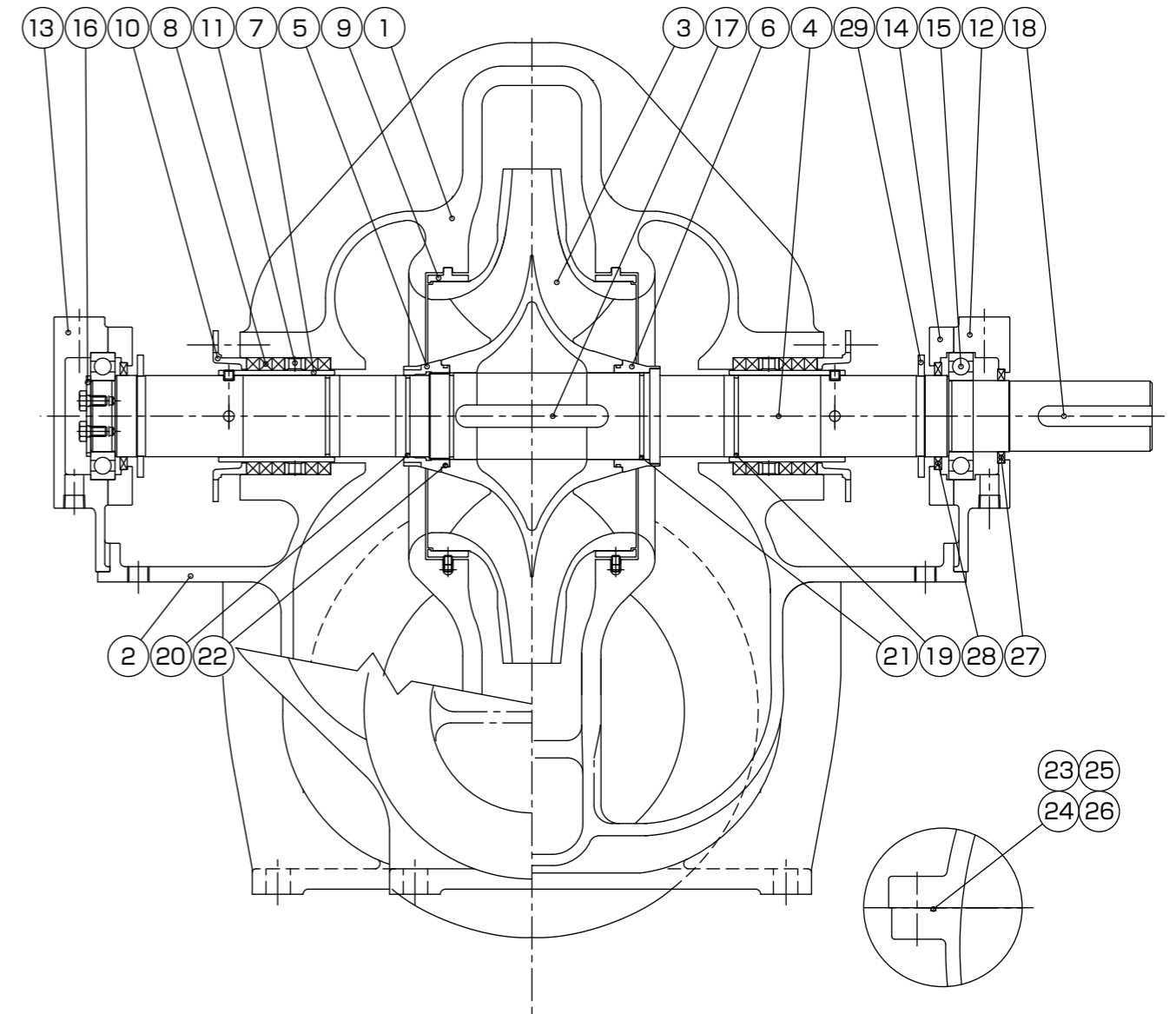
60Hz

Frame No.	Motor output (kW)	Poles	Ds	Dd	A	C	E	F	EDs	EDd	PSH	Hu	PM	PN	Mass (kg)
800×450C	1400	10	800	450	1150	1380	1100	935	700	700	1160	804	1330	1278	6200
800×600D	950	10	800	600	965	1165	1060	870	665	665	1120	723	1330	1278	4500
800×600E	670	10	800	600	925	1085	1025	880	645	645	1095	676	1330	1278	3900
800×700F	500	10	800	700	930	1090	1025	880	630	630	1080	686	1330	1278	3700
900×500C	2100	10	900	500	1255	1535	1185	1010	760	760	1280	874	1440	1382	8400
900×700D	1400	10	900	700	1195	1425	1145	940	720	720	1235	786	1440	1382	6600
900×700E	1000	10	900	700	995	1195	1110	950	695	695	1200	733	1440	1382	5000
900×800F	750	10	900	800	1025	1215	1110	950	680	680	1185	745	1440	1382	5000
1000×600C	2500	12	1000	600	1380	1660	1370	1165	875	875	1450	1003	1660	1596	11500
1000×800D	1700	12	1000	800	1295	1575	1325	1085	835	835	1405	902	1660	1596	8800
1000×800E	1200	12	1000	800	1235	1455	1280	1100	805	805	1365	843	1660	1596	7400
1000×900F	900	12	1000	900	1110	1330	1280	1095	785	785	1340	855	1660	1596	6800
1200×900D	3100	12	1200	900	1485	1795	1495	1225	940	940	1620	1029	1870	1800	13600
1200×900E	2000	12	1200	900	1365	1675	1415	1215	890	890	1560	937	1870	1800	10500
1200×1000F	1600	12	1200	1000	1405	1660	1415	1215	885	885	1555	971	1870	1800	10900
1350×1000E	2700	14	1350	1000	1580	1890	1660	1425	1040	1040	1795	1097	2195	2110	16200
1350×1000F	2100	14	1350	1000	1605	1885	1660	1420	1020	1020	1770	1116	2195	2110	15900

Unit (mm)

Construction drawing

Suction bore 200 to 700

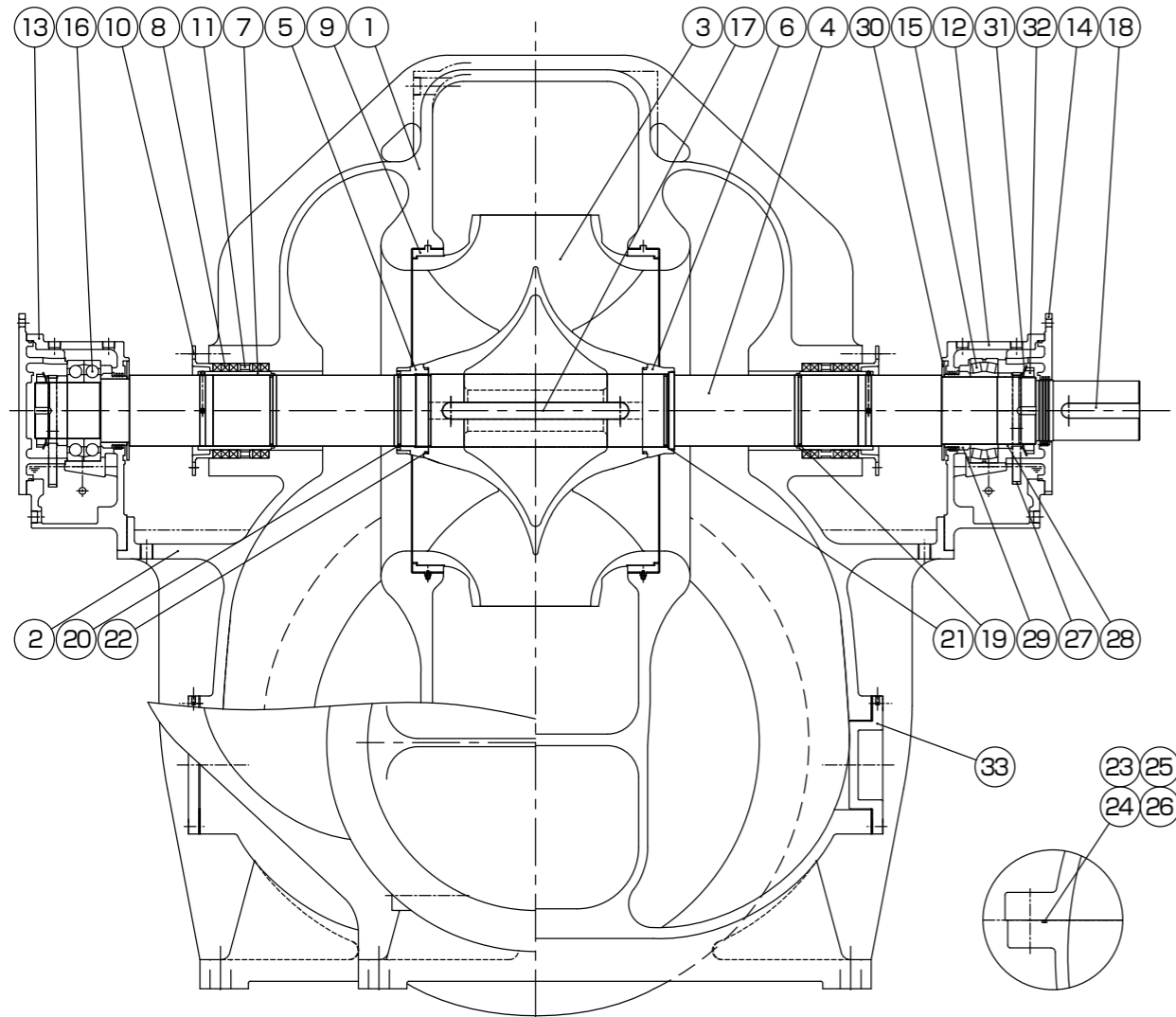


No.	Parts name
①	Upper casing
②	Lower casing
③	Impeller
④	Shaft
⑤	Impeller nut
⑥	Impeller set ring
⑦	Packing sleeve
⑧	Gland packing
⑨	Casing ring
⑩	Gland

No.	Parts name
⑪	Lantern ring
⑫	Bearing support (1)
⑬	Bearing support (2)
⑭	Bearing cover
⑮	Ball bearing
⑯	Bearing collar
⑰	Key (for Impeller)
⑱	Key (for Coupling)
⑲	O-ring (1)
⑳	O-ring (2)

No.	Parts name
㉑	O-ring (3)
㉒	O-ring (4)
㉓	String shaped rubber packing (1)
㉔	String shaped rubber packing (2)
㉕	String shaped rubber packing (3)
㉖	String shaped rubber packing (4)
㉗	Dust seal (1)
㉘	Dust seal (2)
㉙	Deflector

Suction bore 800 to 1350



No.	Parts name	No.	Parts name	No.	Parts name
①	Upper casing	⑫	Bearing support (1)	⑳	O-ring (2)
②	Lower casing	⑬	Bearing support (2)	㉑	O-ring (3)
③	Impeller	⑭	Bearing cover	㉒	O-ring (4)
④	Shaft	⑮	Bearing (1)	㉓	String shaped rubber packing (1)
⑤	Impeller nut	⑯	Bearing (2)	㉔	String shaped rubber packing (2)
⑥	Impeller set ring	⑰	Key (for Impeller)	㉕	String shaped rubber packing (3)
⑦	Packing sleeve	⑱	Key (for Coupling)	㉖	String shaped rubber packing (4)
⑧	Gland packing	㉒	Oil ring	㉗	Oil ring
⑨	Casing ring	㉓	Oil ring guide	㉘	Distance ring
⑩	Gland	㉔	Deflector	㉙	Bearing washer
⑪	Lantern ring	㉕	Bearing nut	㉚	Inspection cover

Note) Above drawing shows typical construction drawing. Bearing arrangement depends on the type of lubricant or type of bearing.

Rehabilitation of Babatag Pump Station (Uzbekistan)	
Model	Double suction volute pump
Bore	1400mm
Capacity	266.4m ³ /min
Total Head	78.28m
Motor Output	4500kW
Note	For Irrigation Agriculture. Designed for abrasion resistance in sandy river water.



Nippon Steel & Sumitomo Metal Corporation (Japan)	
Model	Double suction volute pump
Bore	450mm
Capacity	28.7m ³ /min
Total Head	40.0m
Motor Output	300kW
Note	KUBOTA supplied a great number of products to Nippon Steel, one of the largest iron steel manufacturers in Japan.

Sg. Dua Water Treatment Plant (Malaysia)	
Model	Double suction volute pump
Bore	600mm
Capacity	50.5m ³ /min
Total Head	79.0m
Motor Output	1000kW
Note	For City Water Supply. Distributing treated water to the people and industries in Penang State, Malaysia.



Bang Khen Transmission Pumping Station Metropolitan Waterworks Authority (Thailand)	
Model	Double suction volute pump
Bore	1350mm
Capacity	300.0m ³ /min
Total Head	35.0m
Motor Output	2200kW
Note	For City Water Supply. Supply water to the capital of Thailand, Bangkok, in the main pump station of MWA.

Fertil2 Ammonia Urea Expansion Project (UAE)	
Model	Double suction volute pump
Bore	1200mm
Capacity	217m ³ /min
Total Head	28.3m
Motor Output	1700kW
Note	For Industrial Use. Cooling water pump for petrochemical plant in UAE.



Nippon Coke & Engineering. Corporation (Japan)	
Model	Double suction volute pump
Bore	700mm
Capacity	84.3m ³ /min
Total Head	61.0m
Motor Output	1250kW
Note	For Industrial Use. Deliver desulfurization sorbent for protection of environment.



Oita Co-operative Thermal Power Corporation (Japan)	
Model	Double suction volute pump
Bore	800mm
Capacity	106.7m ³ /min
Total Head	26.0m
Motor Output	570kW
Note	For Power Plant. Deliver cooling water to the facilities in the power plant.

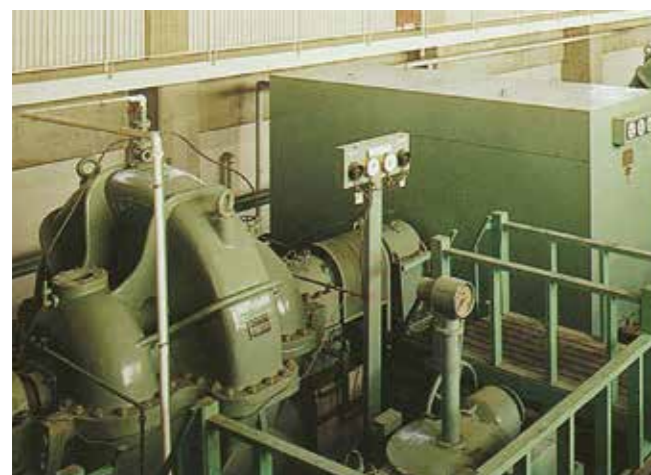


Jebel Ali Power and Desalination Station (UAE)	
Model	Double suction volute pump
Bore	700mm
Capacity	73.7m ³ /min
Total Head	41.0m
Motor Output	690kW
Note	For Desalination Plant. High corrosion resistant duplex stainless steel is used in delivering sea water.

Baosteel Group Corp. (China)	
Model	Double suction volute pump
Bore	350mm
Capacity	21.7m ³ /min
Total Head	127.0m
Motor Output	710kW
Note	For Industrial Use. Baosteel has used Kubota pumps since established.



Right-bank of Sinano-river Pump Station, Hokuriku Agriculture Bureau (Japan)	
Model	Double suction volute pump
Bore	900mm
Capacity	100.5m ³ /min
Total Head	22.7m
Motor Output	470kW
Note	For Irrigation Agriculture. Supplying agricultural water at government-run agricultural pumping station.



Fuji River Transmission Pumping Station (Japan)	
Model	Double suction volute pump
Bore	1200mm
Capacity	202.0m ³ /min
Total Head	60.0m
Motor Output	3100kW
Note	For Industrial Use. Deliver water from Fuji River to nearby industrial area.



Chongqing Water works (China)	
Model	Double suction volute pump
Bore	350mm
Capacity	18.0m ³ /min
Total Head	79.0m
Motor Output	315kW
Note	Vibration problem been solved by replacement of the others into KUBOTA. A great number of pumps are supplied these days.