



PT Torishima Pump Mfg Indonesia

Jl. Rawa Sumur Timur No. 1
Pulogadung Industrial Estate
Jakarta 13930
T. +62 21 460 6448
F. +62 21 460 3964
E. marketing@torishima.co.id
www.torishima.co.id

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CDM

Double Suction Pump

size 200 mm - 700 mm



GENERAL

TORISHIMA CDM is designed with the most advanced hydraulics, providing less noise and vibration, wider operating range, lower NPSH, required and higher efficiency. Particular in the pump efficiency, CDM is remarkably better than other brands, contributing to great cost reduction in operation.

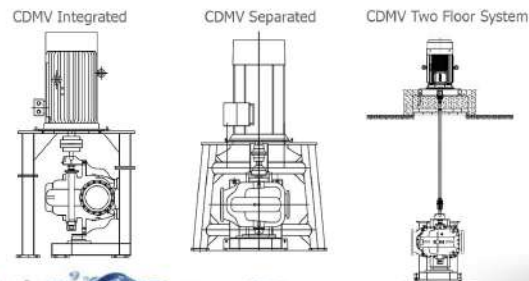
APPLICATIONS

- Energy Industry : Water Intake, Distribution, Boosting, Circulating, Drainage, Fire Fighting
- Environmental Protection Facilities : Water Intake, Distribution, Boosting, Drainage
- General Industries : Water Intake, Distribution, Boosting, Circulating, Drainage, Sea Water Desalination, Fire Fighting
- Building : Water Supply, Drainage, Distric Heating and Cooling
- Waterworks : Water Intake, Distribution, Water Supply
- Agriculture : Irrigation, Drainage
- Others : Pipe line Boosting, Hydrocarbon Services, Mining Services, Refinery Application, API 610 is available as option

MATERIALS

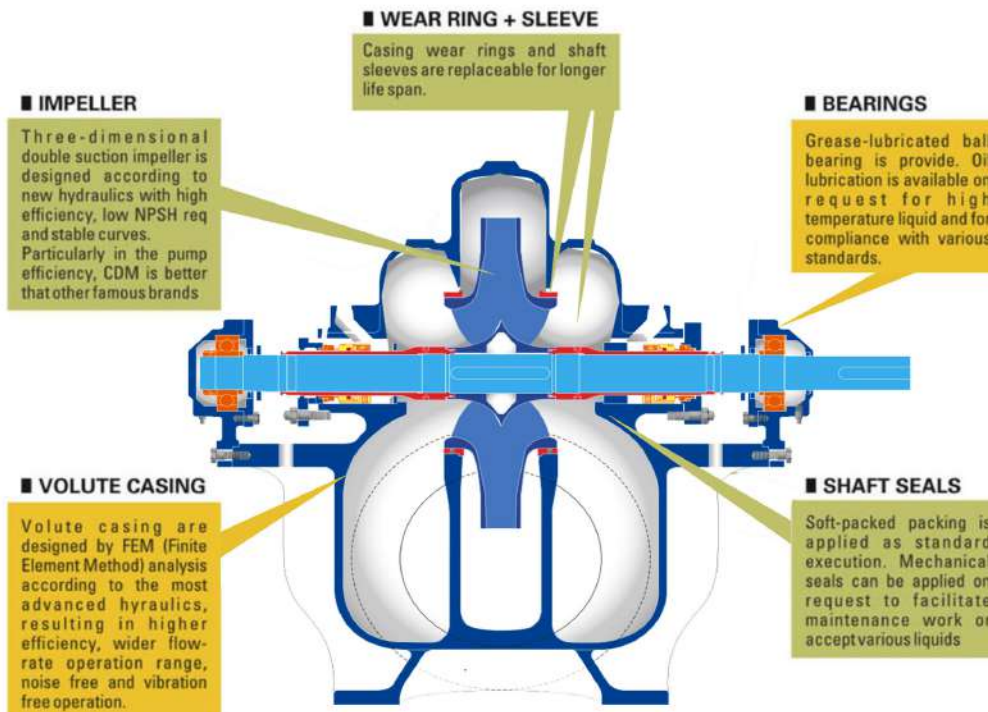
- Volute Casing : Cast Iron, Ductile Iron, Stainless Steel
- Impeller : Cast Iron, Bronze, Stainless Steel
- Shaft : Carbon Steel, Chrome Molybdenum Steel, Stainless Steel
- Shaft Sleeve : Bronze, Stainless Steel

MOUNTING OPTION OF VERTICAL DESIGN



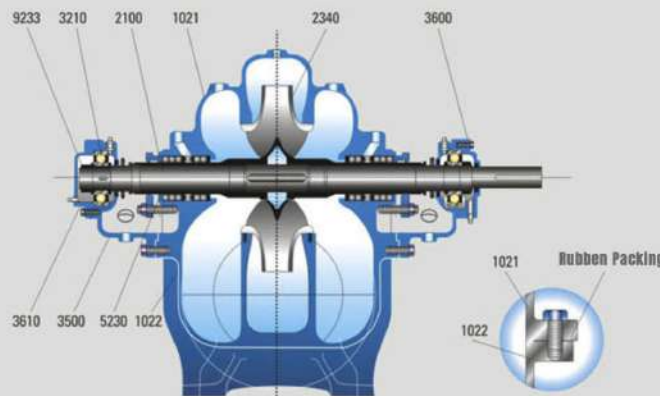
STANDARD SPECIFICATION

- Size : DN 200 to 700 mm
- Capacity : 200 m³/h to 3,400 m³/h
- Total Head : 5 to 220 m (10 to 720 ft)
- Suction Pressure : 5 kg/cm² (Mechanical Seal Type)
3 kg/cm² (Gland Packing Type)
- Operating Temperature : up to 80°C (176 F)
- Pumped Liquid : Clean Water, Industrial Water, River Water, Hot Water, Sea Water, Brine, etc
- Sealing : - Gland Packing
- Mechanical Seal (optional)
- Bearing/Lubrication : Grease lubricated - Deep Groove Ball Bearing.
Oil Lubrication (optional)
- Flanges : JIS - 10 K - RF
JIS - 20 K - RF
ANSI 125 - FF
ANSI 250 - RF
- Direction of Rotation : - Clockwise (CW) viewed from the drive end.
- Counter - clockwise (CCW) viewed from drive end.
- Nozzle Direction : Horizontal Suction / Horizontal Discharge



* typical drawing only

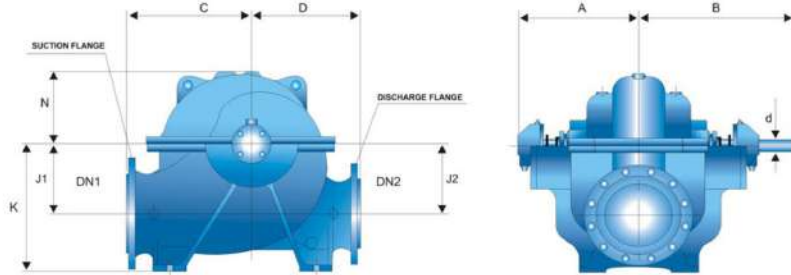
SECTIONAL DRAWING & LIST COMPONENTS



PART NO.	DESIGNATION
1021	Volute Casing, Upper Half
1022	Volute Casing, Lower Half
2100	Shaft
2340	Impeller
3210	Ball Bearing
3500	Bearing Bracket
3600	Bearing Cover
9233	Hard Lock Nut
5230	Shaft Sleeve

* typical drawing only

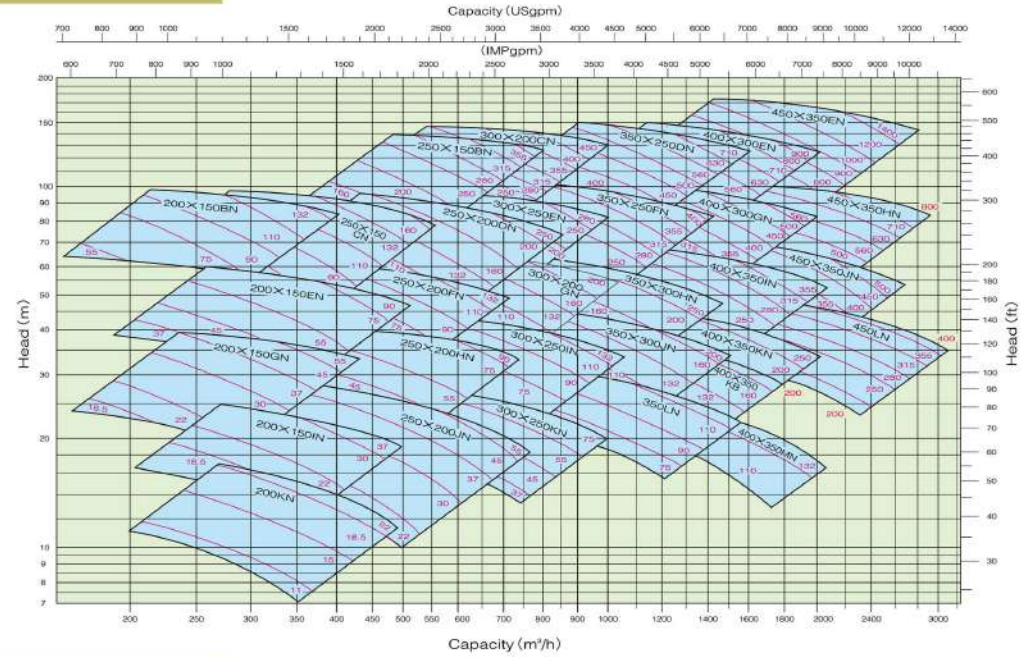
PUMP DIMENSION



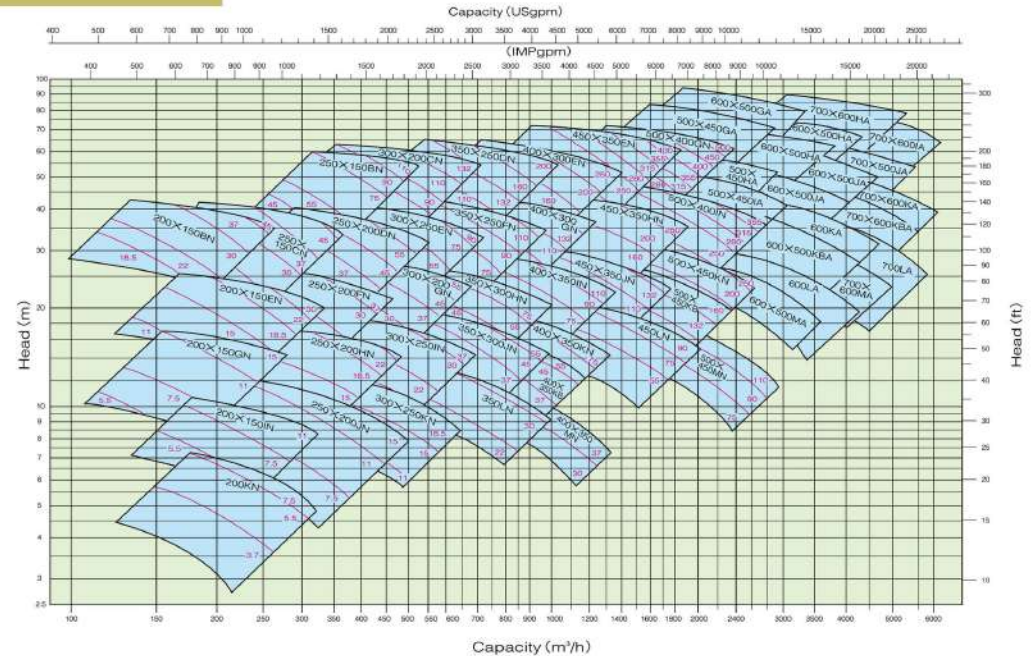
DESIGNATION	BEARING SIZE	DN1	DN2	A	B	C	D	J1	J2	K	N	d	WEIGHT
200 x 150 BN	60/130W	200	150	476	597	465	410	260	285	450	325	56	469
200 x 150 EN	50/130	200	150	442	585	400	360	215	215	390	270	48	388
200 x 150 GN	40/110	200	150	396	534	370	335	190	190	365	240	38	312
200 x 150 IN	40/110	200	150	414	552	370	350	215	215	390	225	38	331
200 KN	40/110	200	200	414	552	360	340	210	210	385	215	38	313
250 x 150 BN	75/160W	250	150	519	658	570	465	320	370	545	405	70	761
250 x 150 CN	60/130	250	150	461	605	490	395	260	310	490	325	56	488
250 x 150 DN	60/130W	250	150	484	605	490	395	260	310	490	325	56	488
250 x 200 DN	60/130	250	200	459	603	550	450	300	335	520	350	56	590
250 x 200 FN	50/130	250	200	452	595	450	380	290	290	500	290	48	459
250 x 200 HN	40/110	250	200	418	556	430	370	255	255	465	265	38	379
250 x 200 JN	40/110	250	200	418	556	420	360	250	250	460	250	38	375
300 x 200 CN	75/160W	300	200	519	658	580	480	330	380	580	410	70	826
300 x 250 EN	60/130	300	250	467	611	550	450	315	315	565	355	56	609
300 x 250 GN	60/130W	300	250	490	611	550	450	315	315	565	355	56	609
300 x 250 IN	50/130	300	250	478	621	460	410	295	295	530	290	48	538
300 x 250 KN	40/110	300	250	432	570	460	400	280	280	510	290	38	430
350 x 250 DN	90/190W	350	250	572	737	655	530	365	420	650	460	85	1096
350 x 250 FN	75/160	350	250	515	682	580	460	360	360	615	370	70	847
350 x 250 FN	75/160W	350	250	543	682	580	460	360	360	615	370	70	847
350 x 300 HN	60/130	350	300	510	654	545	450	330	330	585	335	56	761
350 x 300 JN	60/130	350	300	510	654	500	440	325	325	580	325	56	674
350 LN	50/130	350	350	558	701	480	435	295	295	550	295	48	626
400 x 300 EN	90/190W	400	300	588	753	660	540	390	420	705	450	85	1322
400 x 300 GN	75/160	400	300	534	701	620	500	365	365	660	395	70	1061
400 x 300 GN	75/160W	400	300	562	701	620	500	365	365	660	395	70	1061
400 x 350 IN	75/160	400	350	529	696	610	480	380	380	670	385	70	929
400 x 350 KN	60/130	400	350	517	661	550	470	350	350	640	360	56	650
400 x 350 KB	60/130	400	350	517	661	550	470	350	350	640	360	56	659
400 x 350 MN	50/130	400	350	558	701	560	470	340	340	630	350	48	849
400 x 350 MB	50/130	400	350	558	701	560	470	340	340	630	350	48	849
450 x 350 EN	105/225W	450	350	669	893	730	600	440	440	790	500	100	1790
450 x 350 HN	90/190	450	350	619	817	670	550	420	420	740	435	85	1365
450 x 350 JN	75/160	450	350	596	763	615	550	400	400	720	405	70	1070
450 LN	75/160	450	450	650	817	590	545	370	370	695	370	70	1043
500 x 400 GN	105/225W	500	400	705	929	745	600	480	480	830	510	100	1864
500 x 400 IN	90/190	500	400	656	854	750	590	475	475	830	475	85	1681
500 x 450 KN	75/160	500	450	619	786	680	570	455	455	805	450	70	1338
500 x 450 KB	75/160	500	450	619	786	680	570	455	455	805	450	70	1338
500 x 450 MN	75/160	500	450	675	842	700	600	425	425	780	420	70	1405
500 x 450 GA	110/240A	500	450	670	850	795	640	515	515	880	540	105	1793
600 x 500 GA	120/260A	600	500	705	885	840	680	540	540	970	565	115	2143
500 x 450 HA	100/215A	500	450	675	855	785	645	495	495	860	510	95	1838
600 x 500 HA1	110/240A	600	500	730	910	865	710	540	540	970	560	105	2239
600 x 500 HA2	120/260A	600	500	755	935	890	730	560	560	990	575	115	2390
700 x 600 HA	130/280A	700	600	790	970	960	790	605	605	1090	620	125	2980
500 x 450 IA	90/190A	500	450	665	845	790	620	600	600	870	505	85	1779
700 x 600 IA	130/280A	700	600	805	985	1000	785	630	630	1110	625	125	3154
600 x 500 JA1	100/215A	600	500	705	885	780	700	610	610	940	510	95	1974
600 x 500 JA2	110/240A	600	500	705	945	830	745	540	540	970	540	105	2241
700 x 500 JA	120/260A	700	500	790	970	875	785	570	570	1050	570	115	2694
600 KA	100/215A	600	600	720	900	825	690	550	550	980	545	95	1999
700 x 600 KA	120/260A	700	600	790	970	920	770	615	615	1100	605	115	2658
600 x 500 KBA	100/215A	600	500	720	900	810	675	540	540	970	535	95	2001
700 x 600 KBA	110/240A	700	600	785	965	900	755	605	605	1070	595	105	2634
600 LA	100/215A	600	600	770	950	725	670	455	455	880	480	95	1919
700 LA	120/260A	700	700	890	1070	810	750	510	510	990	510	115	2722
600 x 500 MA	90/190A	600	500	820	1000	800	625	470	470	900	515	85	1804
700 x 600 MA	110/240A	700	600	890	1070	865	700	596	596	1010	575	105	2428

PERFORMANCE RANGE

50 Hz - 4P



50 Hz - 6P



PERFORMANCE RANGE

60 Hz - 4P

