

D型卧式多级离心泵

MD型煤矿用耐磨多级离心泵

DF型耐腐蚀多级离心泵

Type D Horizontal Multi-stage Centrifugal Pump

Type MD Colliary Wearing Centrifugal Pump

DF Corrosion-Resistant Multi-stage Centrifugal Pump

Optimization design of hydraulic components by CFD flow field analysis technology

CFD flow field analysis technology is used to optimize the design of hydraulic components, with high efficiency, energy saving and excellent performance

Some models adopt double suction structure

Some models adopt double suction structure, which has good cavitation performance

Strengthening design of balance mechanism

The balance mechanism is strengthened, the friction pair stainless steel is quenched or spray welded hard alloy, which has good wear resistance and long life

Unique shoulder positioning structure is adopted

With unique shoulder positioning structure, impeller positioning is more reliable and safe



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Product Overview

1. The impeller, guide vane and other flow passage parts are optimized by CFD flow field analysis technology, with high efficiency;
2. The static seal between the suction section, middle section and discharge section of the pump adopts metal face seal and "O" ring double channel seal, and the pump shaft seal adopts high-performance ramie packing or mechanical seal, which is safe and reliable;
3. Wide pump type spectrum, high flow pump in the domestic leading technology;
4. The rotor adopts static and dynamic balancing process, and the rotor runout is strictly controlled, so that the pump runs stably and the vibration is small;
5. The shaft is made of high quality carbon steel, alloy steel or stainless steel, which has high rigidity and good stability after multi-channel heat treatment;
6. With the unique shoulder positioning structure, the impeller positioning is more reliable and safe;
7. High quality castings or forgings are used in the suction section and discharge section of the pump to ensure the reliability of the product operation while ensuring the hydraulic efficiency;
8. The balance mechanism is made of high-quality stainless steel, and the surface of friction pair is quenched or sprayed with cemented carbide, which has good wear resistance and long service life;
9. Some models adopt the first stage double suction structure to improve the anti cavitation performance.

D. MD series products meet the standard of GB / T 5657-2013 technical conditions for centrifugal pumps (III); MD series products meet the MT / T 114-2005 "wear resistant centrifugal pump for coal mine" standard. Each model of MD series has obtained the safety mark certificate of mining products issued by the national safety mark center for mining products. The website is www.aqbz.org;

DF series products conform to GB / T 5656-2008 centrifugal pump technical conditions (II) standard;

This product design, production, service process has a strict control system, fully ensure the product quality.

Typical Applications

D type horizontal multi-stage centrifugal pump is mainly used for water supply and drainage of factories, cities and mines;

MD type wear-resistant centrifugal pump is mainly used to transport neutral mine water and other similar sewage (only for non mining working face when used in coal mine);

DF type corrosion resistant multi-stage centrifugal pump is mainly used for medium corrosive medium transportation in metallurgy, mining, brine mining and chemical industry. When the flow passage parts are made of duplex stainless steel, it can also be used to transport seawater and corrosive medium.

Working Conditions

Nominal speed: 2980 / 1480 r / min

Conveying medium: D-type horizontal multi-stage centrifugal pump is used for conveying clear water without solid particles or liquid with physical and chemical properties similar to clear water.

MD type wear-resistant multi-stage centrifugal pump for coal mine is used to transport neutral mine water or other similar sewage with solid particle content (volume concentration) no more than 1.5% (particle size less than 0.5mm) and temperature no more than 80 ℃.

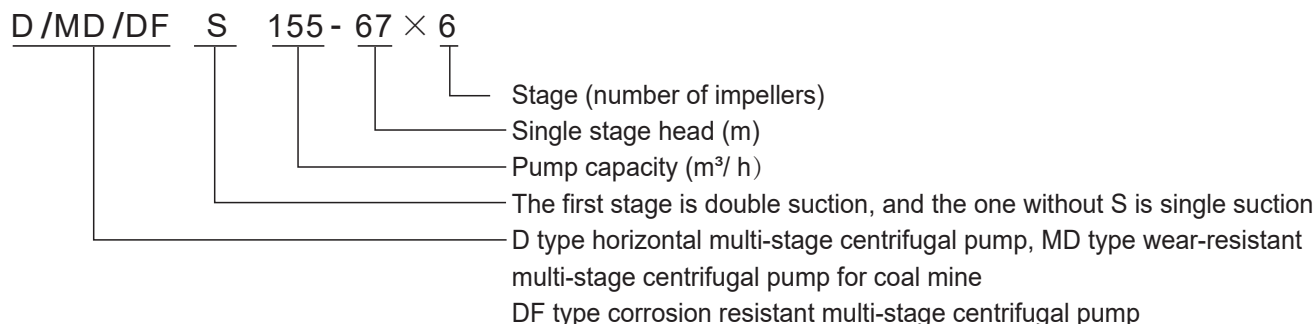
DF type corrosion-resistant multi-stage centrifugal pump is mainly used for conveying acid, alkaline mine water or other similar weakly corrosive chemical wastewater.

Liquid temperature: 0 ~ 80 ℃

Capacity range: 3.75-1200m³/h

Head range: 50 ~ 1550m

Model Meaning



Standard Basic Type

D type pump from the end of the coupling to see the suction flange right; The flange of discharge section is upward; The motor is arranged at the suction end. The materials of suction section, middle section, discharge section, guide vane and impeller are cast iron; The shaft material is 45 steel or 40Cr; The material of balance ring and sleeve is Cr13; The balance disk is 2Cr13; Packing seal is used. From the coupling end to the pump, the pump rotates clockwise.

MD type pump is from the coupling end to see the suction section flange to the right; The flange of discharge section is upward; The motor is arranged at the suction end. The material of suction section and middle section is cast iron; The discharge section, guide vane and impeller are made of ductile iron; The shaft material is 45 steel or 40Cr; The sealing ring material is stainless steel or copper alloy; The material of balance ring and sleeve is 3Cr13; The balance disk is 2Cr13; Packing seal is used. From the coupling end to the pump, the pump rotates clockwise.

DF type anti-corrosion multi-stage centrifugal pump is from the coupling end to see the flange of the suction section to the right and the flange of the discharge section to the up; The motor is arranged at the suction end; Packing seal is adopted; From the coupling end to the pump, the pump rotates clockwise.

Motor

D type horizontal multistage centrifugal pump adopts totally enclosed self fan cooled squirrel cage three-phase asynchronous motor:

Voltage: 380V, 6kV or 10kV; Frequency: 50 Hz; Protection class: IP44;

Insulation class: B; Installation form: B3.

YB3 or YBXN series flameproof three-phase asynchronous motor is selected for MD horizontal multi-stage centrifugal pump.

Voltage: 380V, 6kV or 10kV; Frequency: 50 Hz; Protection class: IP55 or IP54;

Insulation class: F; Installation form: B3.

DF type corrosion-resistant multistage centrifugal pump adopts fully enclosed self fan cooled squirrel cage three-phase asynchronous motor.

Voltage: 380V, 6kV or 10kV; Frequency: 50 Hz; Installation form: B3.

Note: the MD pump of our company adopts the mine flameproof three-phase asynchronous motor pump unit, which can not be used in the mining face. Special motors are supplied as required.

Maximum Suction Height

When using, the user shall consider the influence of various factors on the use. The maximum suction height h shall be lower than the calculated value below (negative value shall be backfilling), otherwise the water pump will not work normally.

$$H = P_b \times 10.2 - NPSH_r - H_f - H_v - H_s$$

P_b = local atmospheric pressure bar (sea level 1 bar) $NPSH_r$ = necessary $NPSH$ m

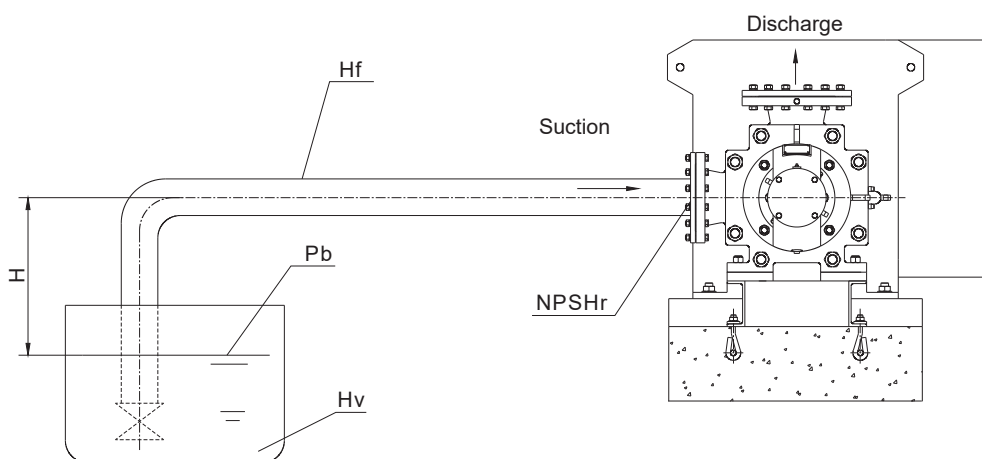
H_f = loss of inlet pipe m H_v = saturated vapor pressure of liquid m (converted to water column height)

H_s = safety margin m (generally 0.5m)

For example: Atmospheric pressure $P_b = 1$ bar, $NPSH_r = 2$ m, pipeline loss $H_f = 2$ m, safety margin $H_s = 0.5$ m

When the liquid temperature is 40°C , the saturated vapor pressure $H_v = P_v / \rho g = 0.7$ m (converted to water column height)

$$H = 1 \times 10.2 - 2 - 2 - 0.7 - 0.5 = 5 \text{ m}$$



List of Main Parts Selection Materials

Selection and material list of main parts of D/MD pump

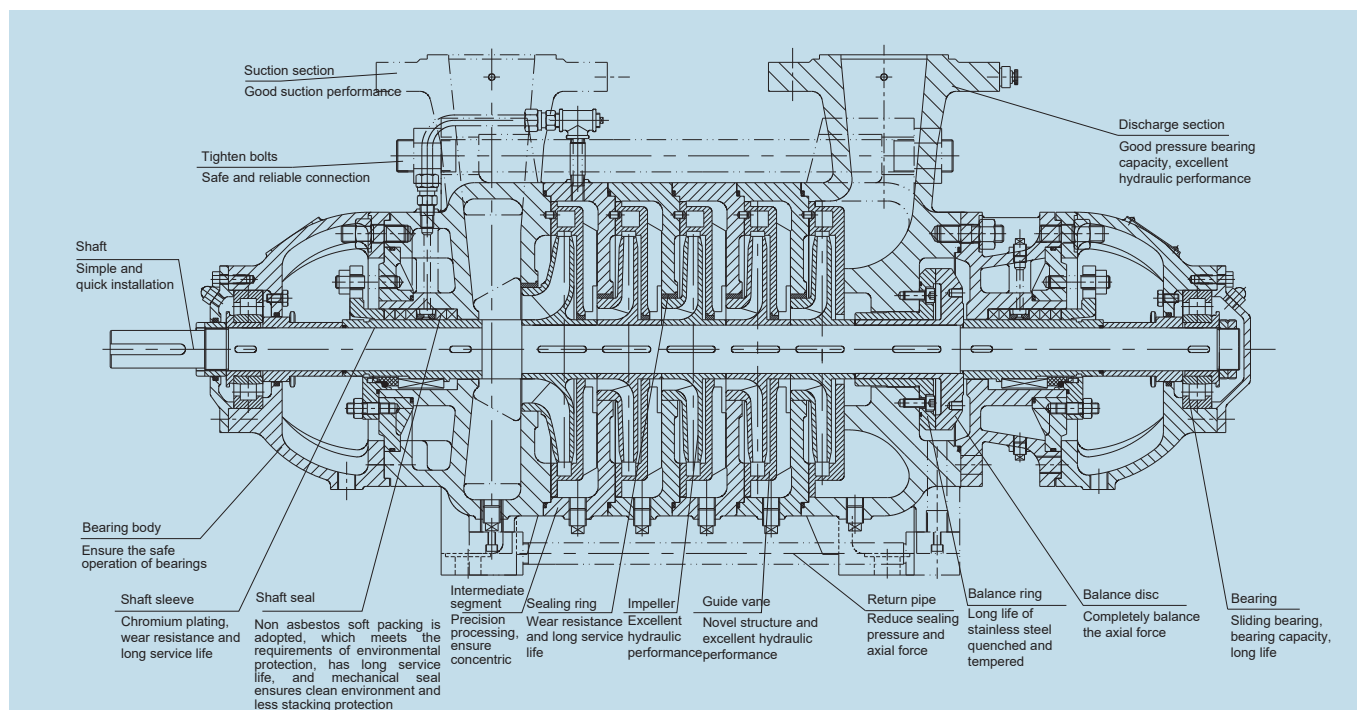
Selection and material list of main parts of D/MD pump				
Name	D type pump	MD type pump	D type pump	MD type pump
Suction section	HT200	HT200	ZG270-500	ZG270-500
Discharge section	HT250	QT500-7	ZG310-570	ZG310-570
Intermediate segment	HT250	HT250	ZG310-570	ZG310-570
Guide vane	HT200	QT500-7	ZG270-500	ZG270-500
Impeller	HT200	QT500-7	ZG230-450	ZG230-450
Shaft	40Cr	40Cr	40Cr	40Cr
Shaft seal	Packing seal	Packing seal	Packing seal	Packing seal
Balance plate	Standard configuration: 2Cr13 high configuration quenching Optional: 2Cr13 + nickel base alloy			
Balance ring	Standard configuration: 2Cr13 high configuration quenching Optional: 2Cr13 + nickel base alloy			
Remark	It is suitable for single stage head < 80m		It is suitable for single stage Head ≥ 80m	

Selection and material list of main parts of DF pump

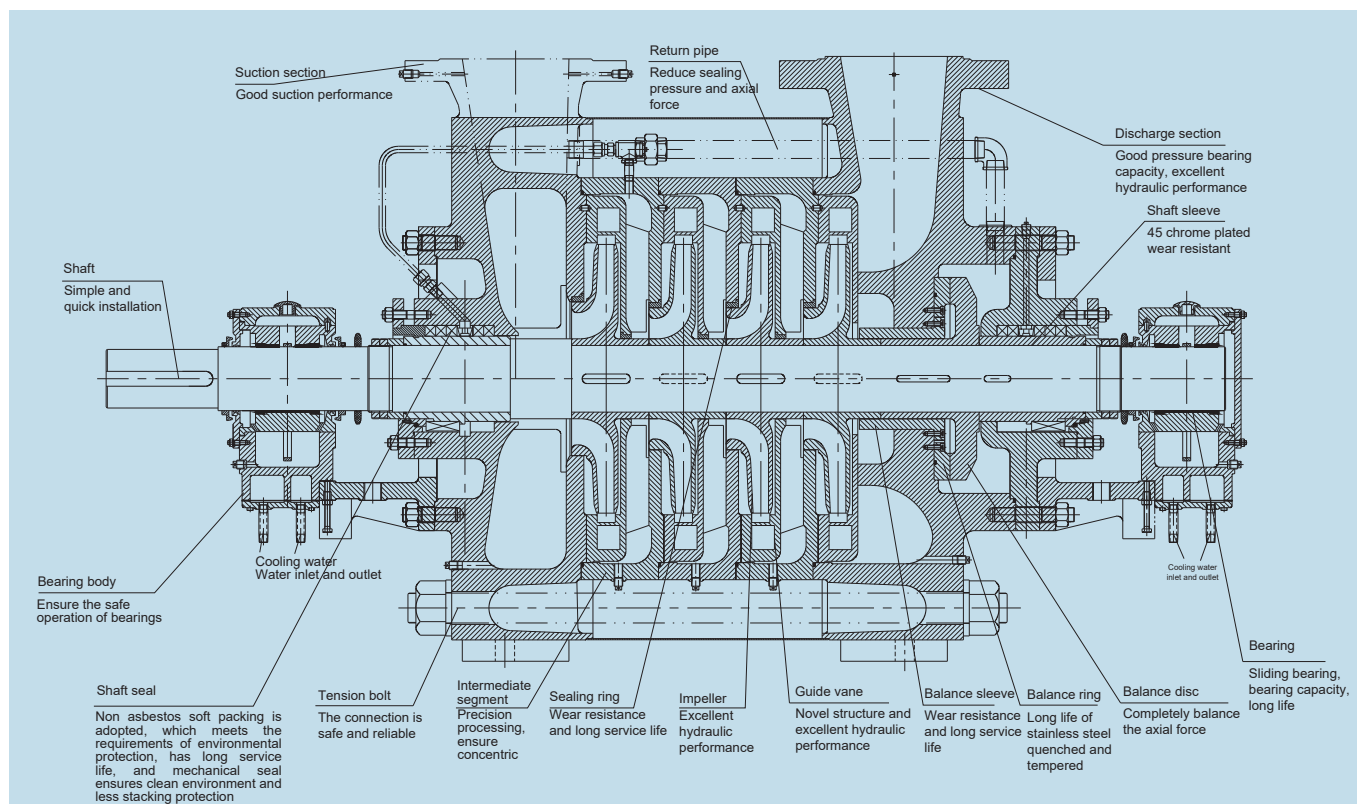
Selection and material list of main parts of DF pump				
Material category	I	II	III	
Medium	Slight corrosion resistance	Medium corrosion resistance	Strong corrosion and seawater resistance	
Main parts				
Suction section	ZG230-450	2Cr13、 304 or 316	316L or dual phase steel	
Discharge section				
Intermediate segment	ZG230-450			
Guide vane				
Impeller				
Cooling body				
Balance plate				Standard configuration: 2Cr13 high configuration quenching Optional configuration: 2Cr13 + nickel base alloy
Balance ring	Standard configuration: 2Cr13 high configuration quenching Optional configuration: 2Cr13 + nickel base alloy			Standard configuration: 2Cr13 high configuration quenching Optional configuration: 316L + nickel base alloy
Shaft	2Cr13 or 40Cr		2205 or 17-4PH	
Notice: 1. In addition to the above three types of materials, it can also be produced according to the media characteristics and customer requirements				
2. The material of the shaft is configured according to the specific characteristics of the conveying medium and the shaft power				
3. Because the characteristics of corrosive media (especially mixed corrosive media) are very different, please check the material configuration and other related matters before signing this kind of order				

Structural Diagram

9.1 D type horizontal multi-stage centrifugal pump, MD type wear resistant multi-stage centrifugal pump for coal mine structural diagram

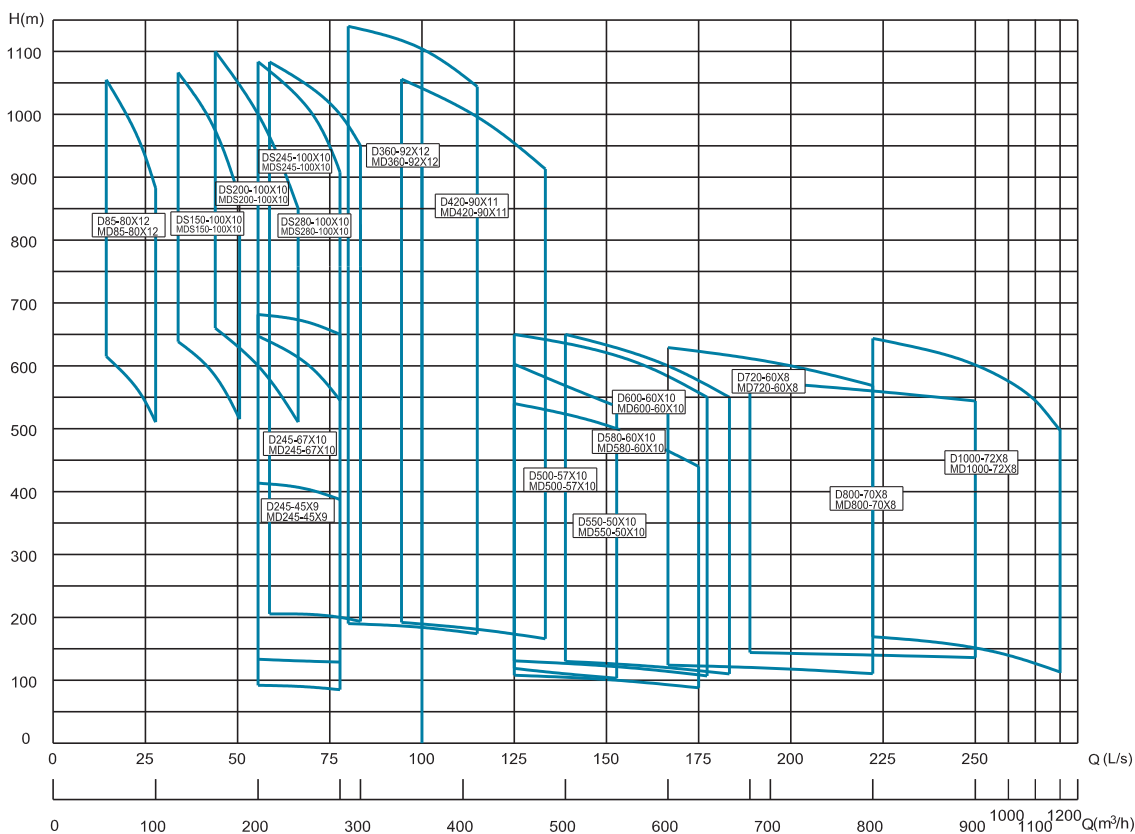
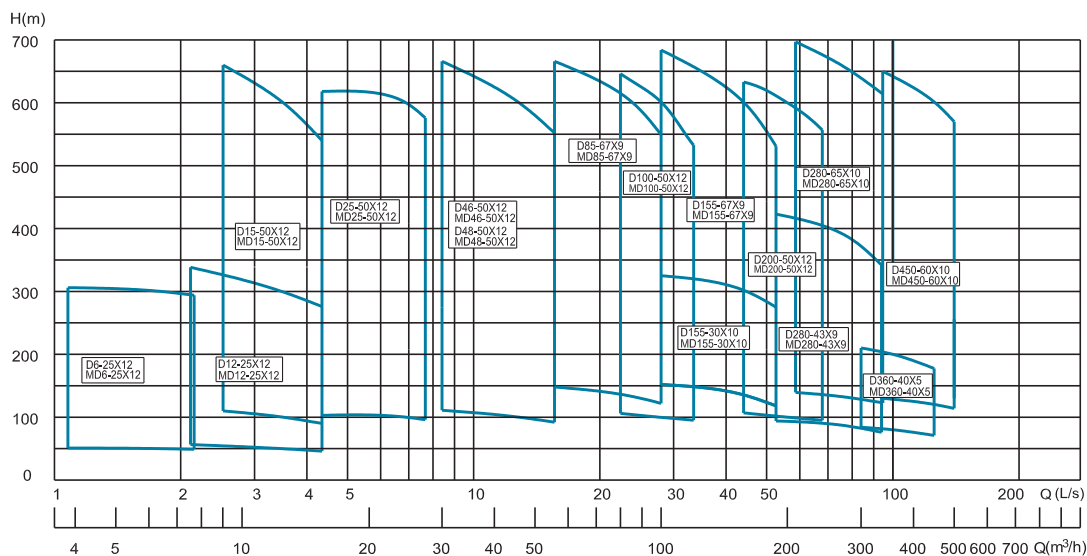


9.2 D Type horizontal multi-stage centrifugal pump, MD type wear resistant multi-stage centrifugal pump for coal mine structural diagram (sliding bearing)

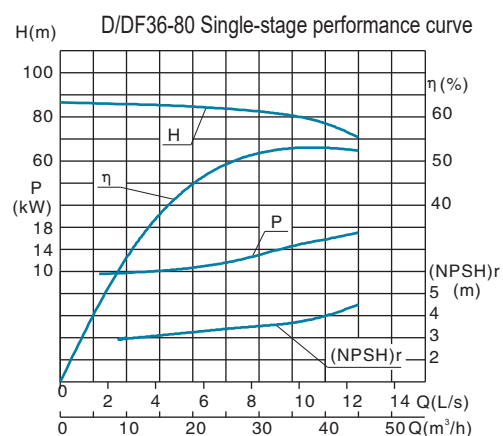
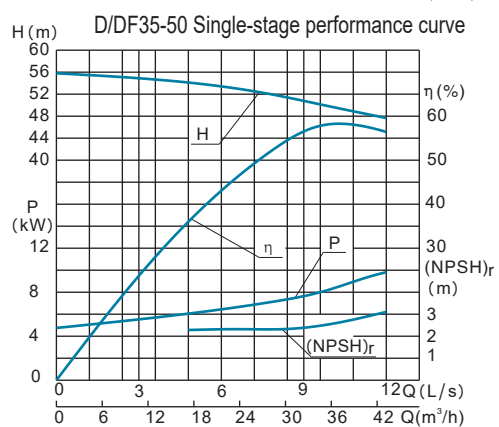
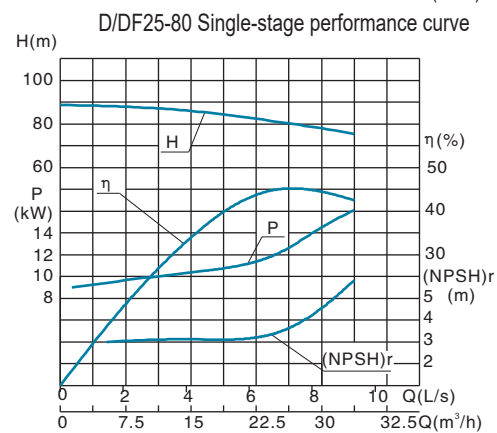
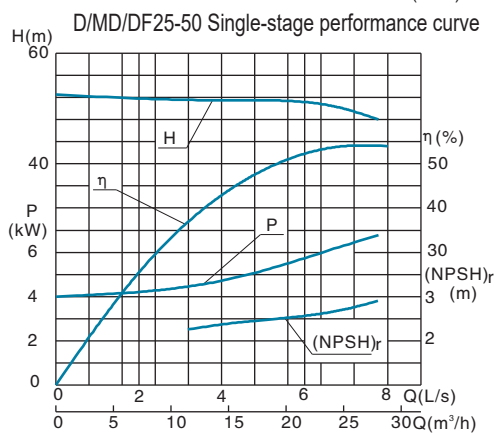
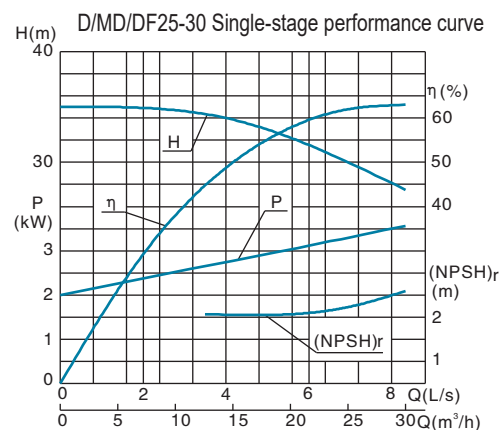
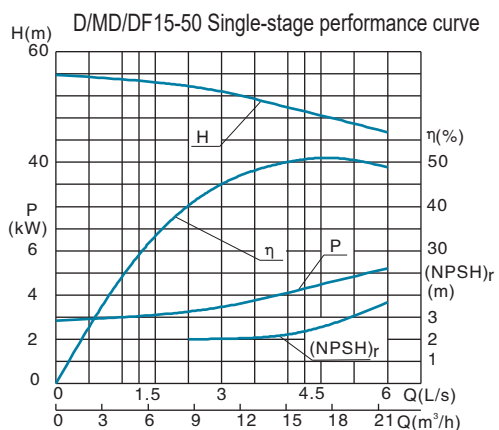
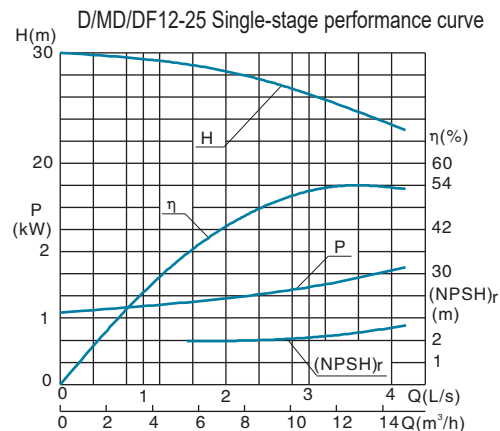
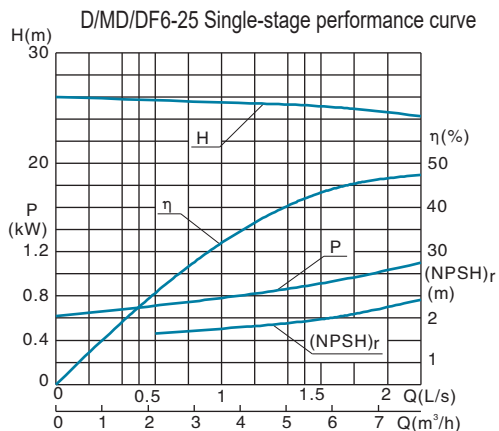


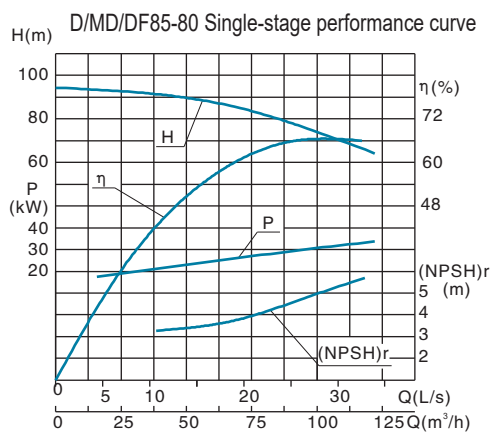
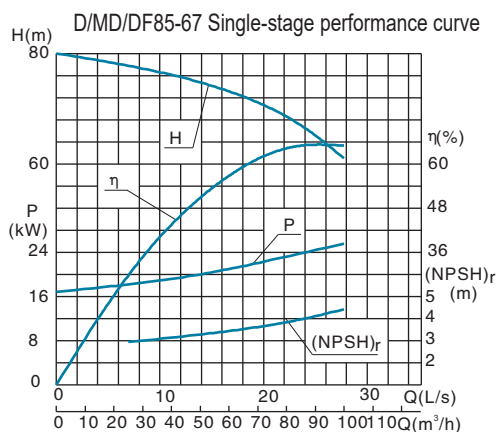
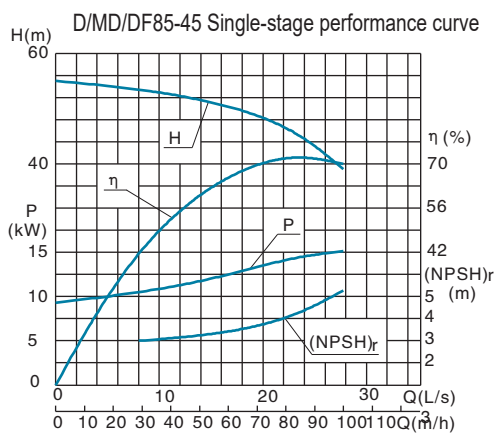
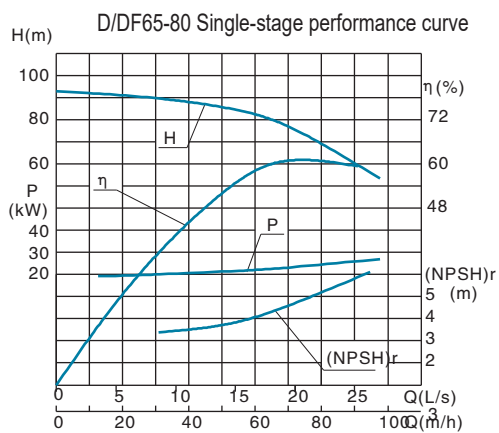
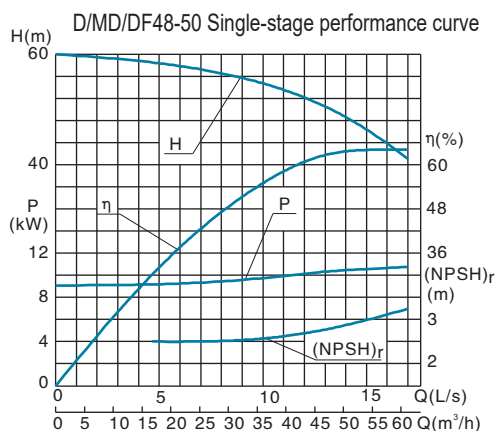
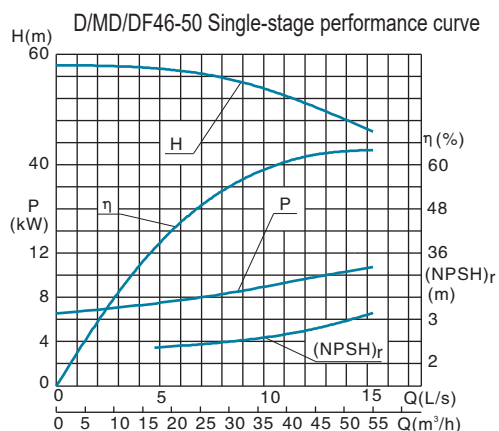
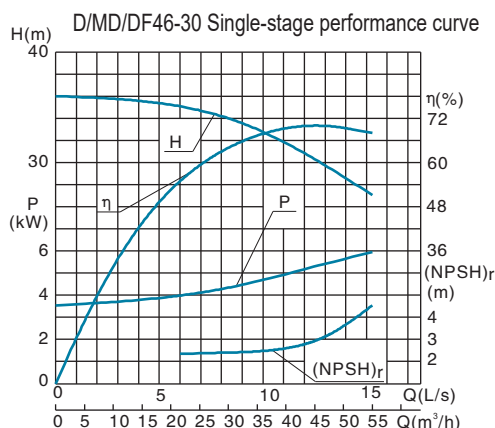
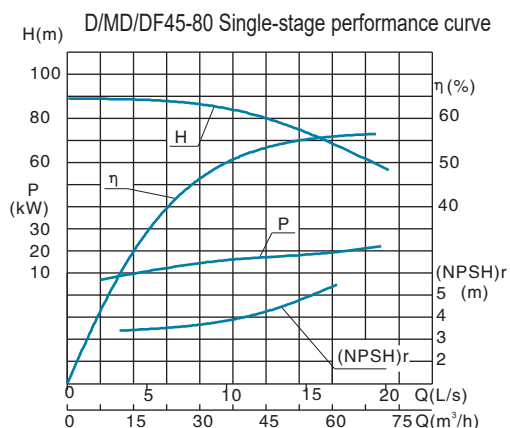
Comprehensive Characteristic Curve Charts

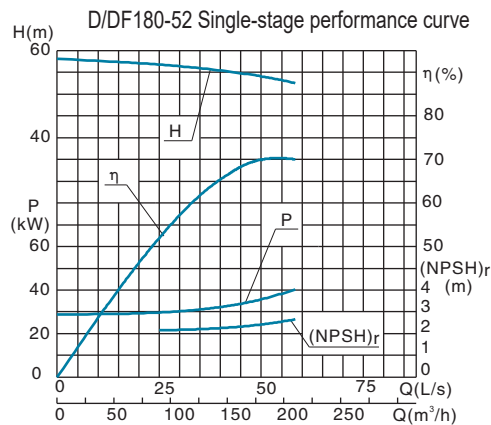
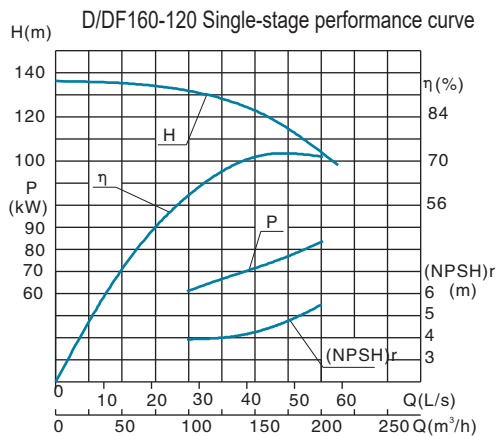
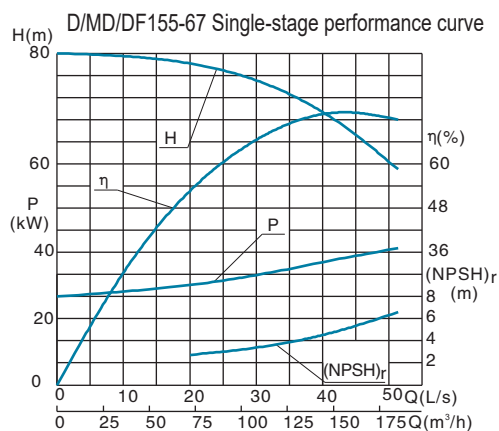
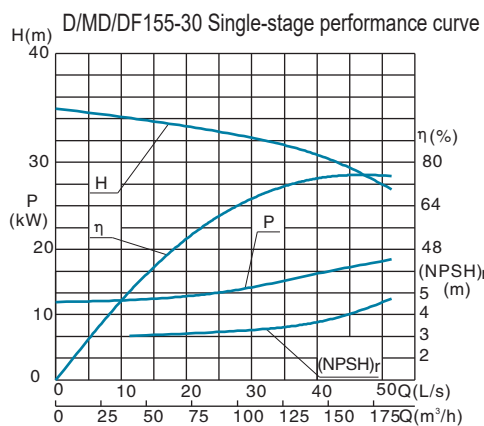
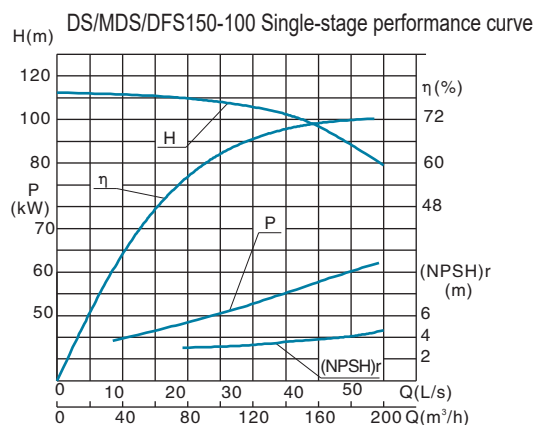
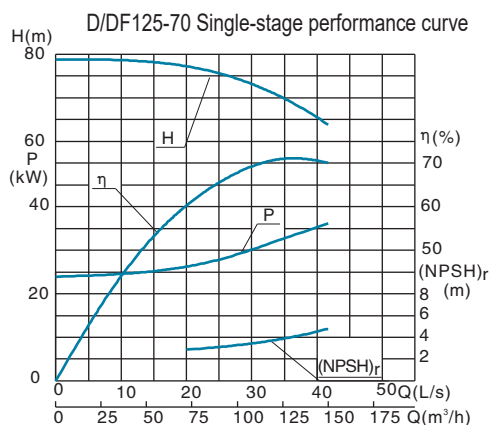
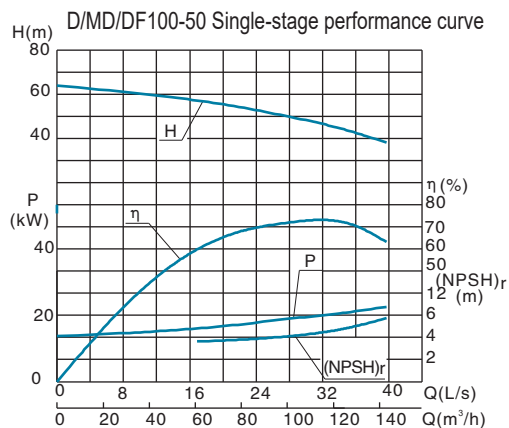
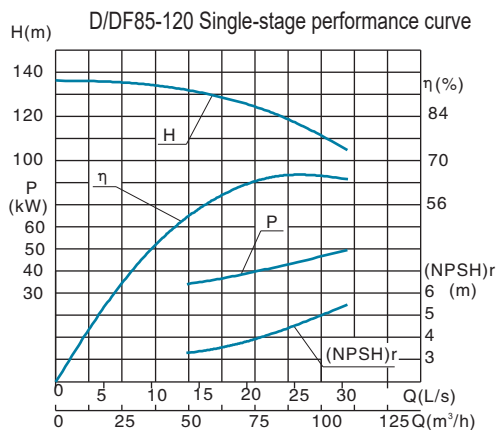
10.1 Spectrum of D type horizontal multi-stage centrifugal pump and MD type wear resistant multi-stage centrifugal pump for coal mine



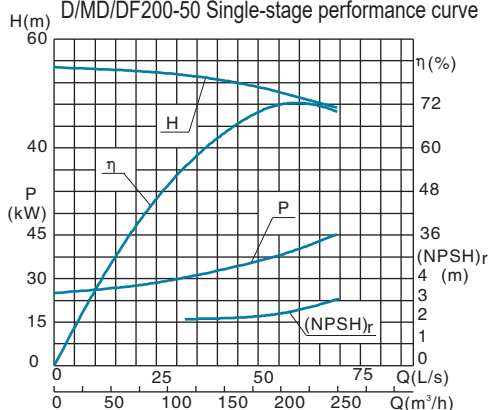
Performance Curve



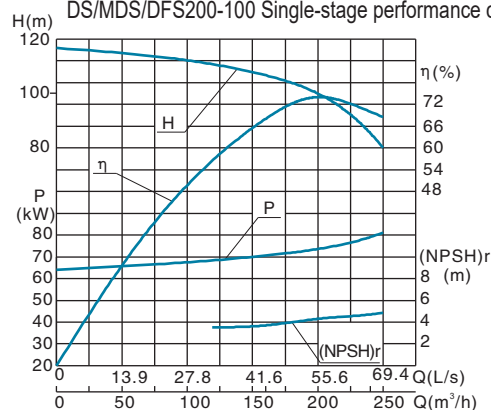




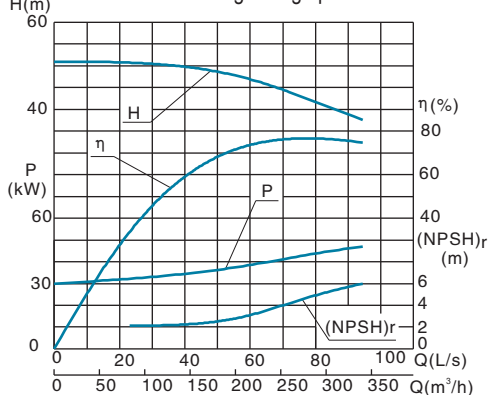
D/MD/DF200-50 Single-stage performance curve



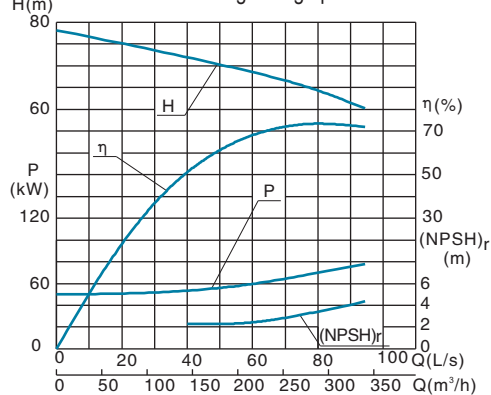
DS/MDS/DFS200-100 Single-stage performance curve



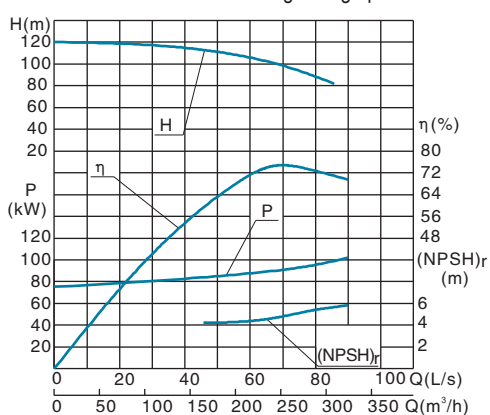
D/MD/DF245-45 Single-stage performance curve



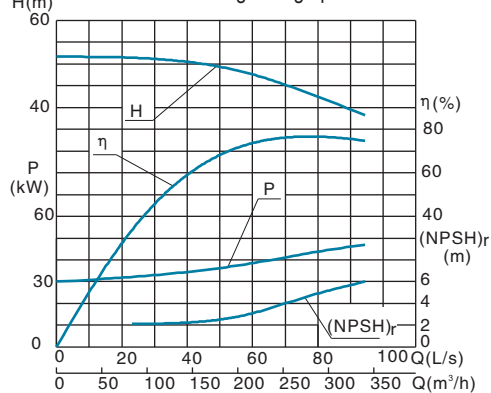
D/MD/DF245-67 Single-stage performance curve



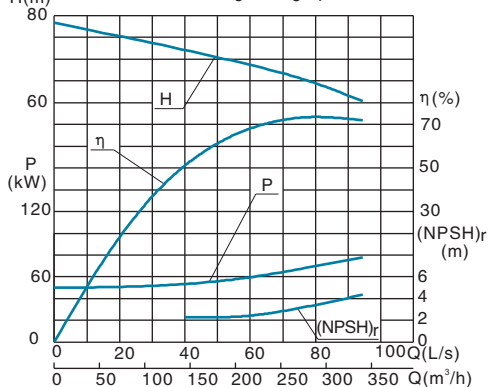
DS/MDS/DFS245-100 Single-stage performance curve



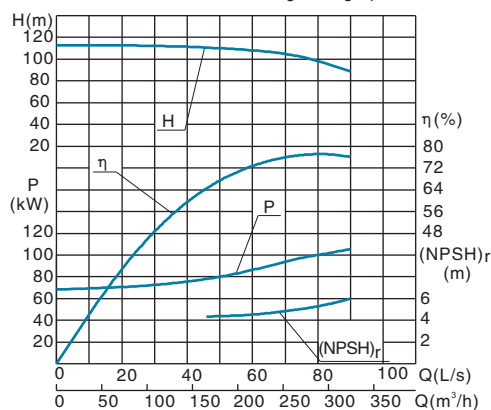
D/MD/DF280-43 Single-stage performance curve



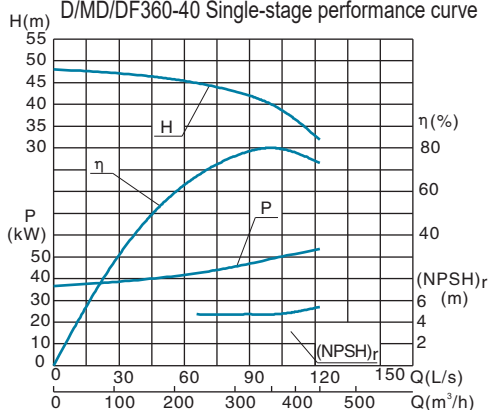
D/MD/DF280-65 Single-stage performance curve



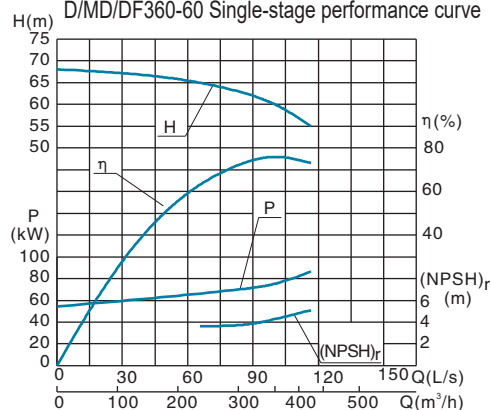
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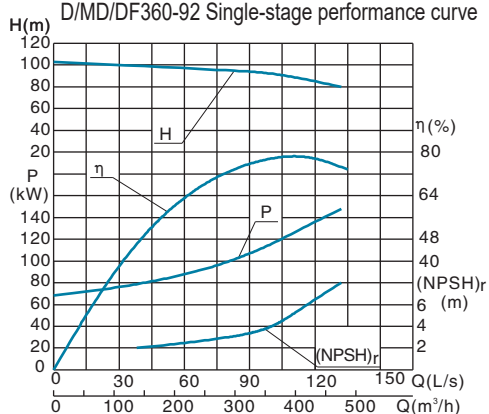
D/MD/DF360-40 Single-stage performance curve



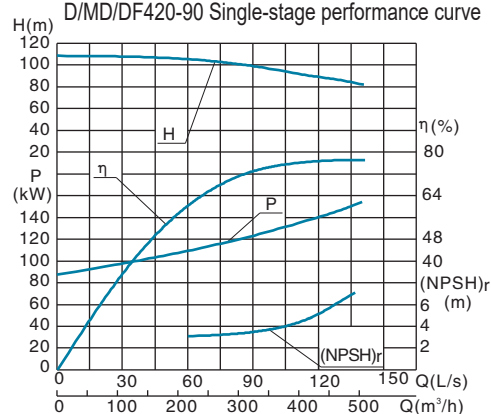
D/MD/DF360-60 Single-stage performance curve



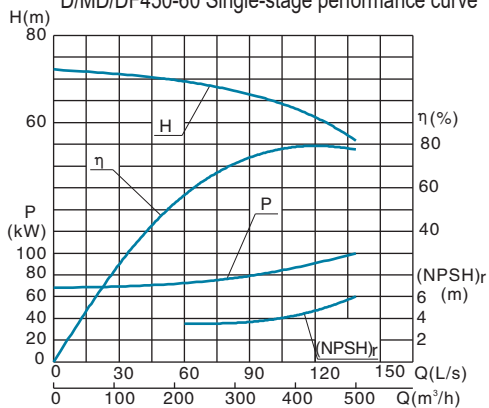
D/MD/DF360-92 Single-stage performance curve



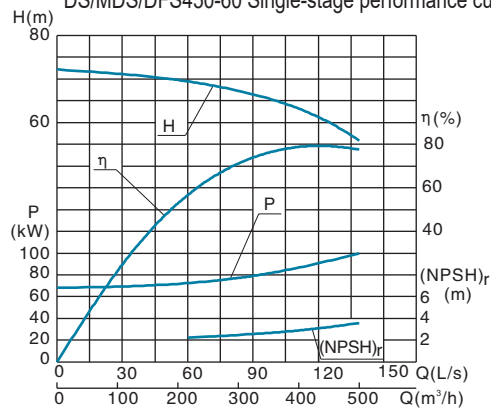
D/MD/DF420-90 Single-stage performance curve



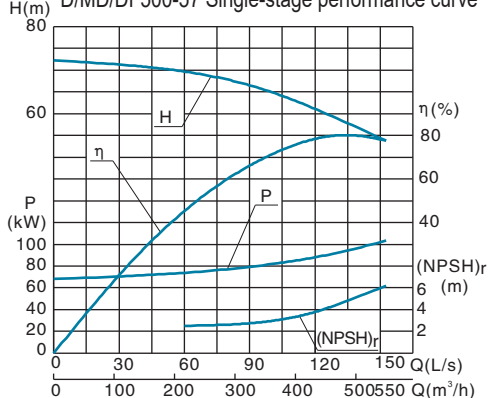
D/MD/DF450-60 Single-stage performance curve



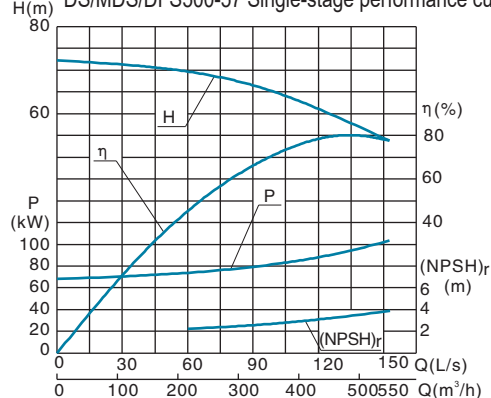
DS/MDS/DFS450-60 Single-stage performance curve



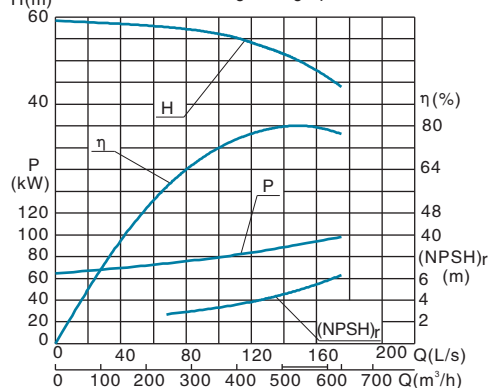
D/MD/DF500-57 Single-stage performance curve



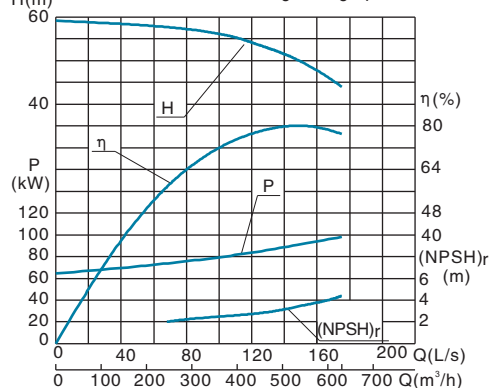
DS/MDS/DFS500-57 Single-stage performance curve



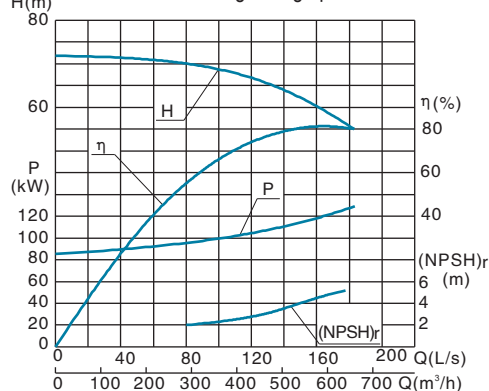
D/MD/DF550-50 Single-stage performance curve



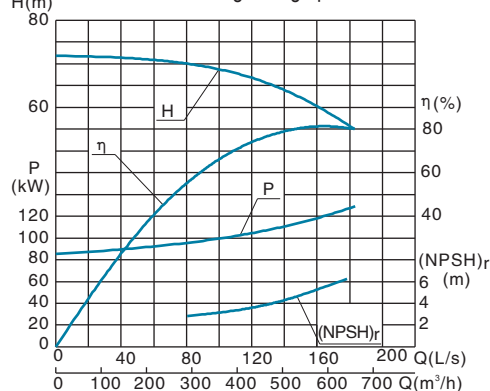
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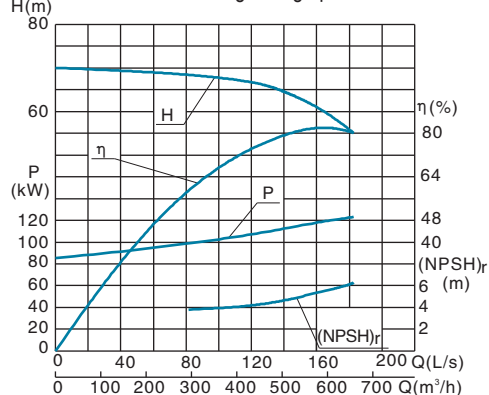
D/MD/DF580-60 Single-stage performance curve



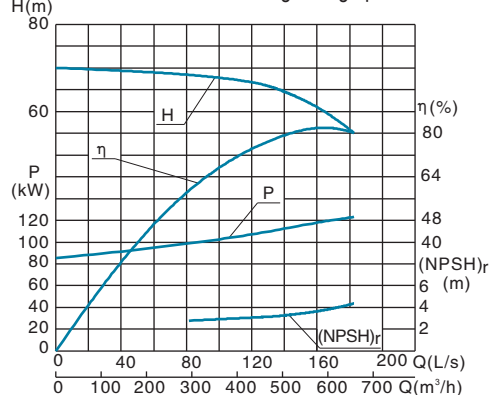
DS/DFS580-60 Single-stage performance curve



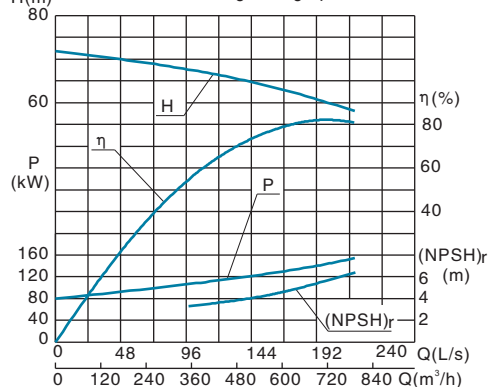
D/MD/DF600-60 Single-stage performance curve



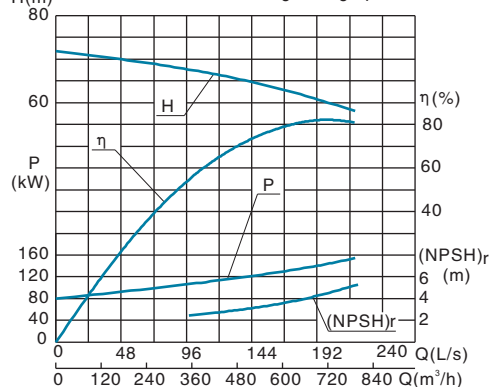
DS/MDS/DFS600-60 Single-stage performance curve



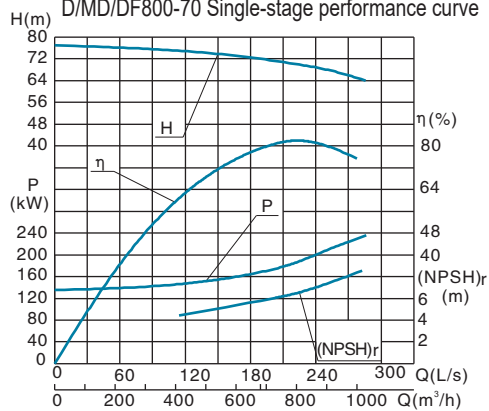
D/MD/DF720-60 Single-stage performance curve



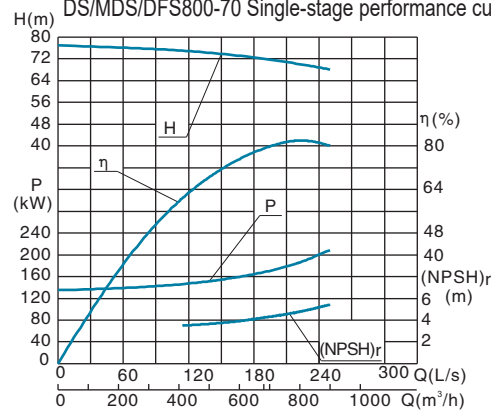
DS/MDS/DFS720-60 Single-stage performance curve



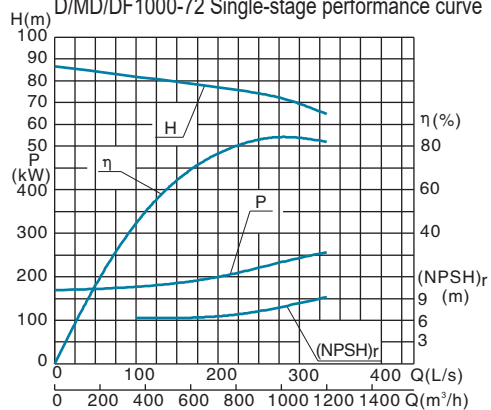
D/MD/DF800-70 Single-stage performance curve



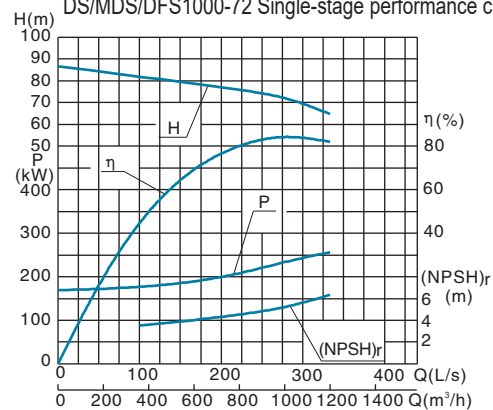
DS/MDS/DFS800-70 Single-stage performance curve



D/MD/DF1000-72 Single-stage performance curve



DS/MDS/DFS1000-72 Single-stage performance curve



Performance Parameter Table

Model	Number of stage	Capacity		Head	Rotation Speed	Shaft Power	Power	Efficiency	NPSHr	Model	Number of stage	Capacity		Head	Rotation Speed	Shaft Power	Power	Efficiency	NPSHr	
		m³/h	L/s									m	m³/h							L/s
D6-25 MD6-25 DF6-25	2	3.75	1.0	51	2980	1.6	3	33	2.0	D15-50 MD15-50 DF15-50	10	12	3.33	521	2980	36.21	55	47	2.0	
		6.3	1.8	50		1.9		45	2.0			15	4.16	500		40.83		50	2.2	
		7.5	2.1	49		2.1		47	2.5			18	5	480		46.12		51	2.7	
	3	3.75	1.0	76.5	2980	2.4	5.5	33	2.0		11	12	3.33	573	2980	39.83	55	47	2.0	
		6.3	1.8	75		2.9		45	2.0			15	4.16	550		44.92		50	2.2	
		7.5	2.1	73.5		3.2		47	2.5			18	5	528		50.73		51	2.7	
	4	3.75	1.0	102	2980	3.2	7.5	33	2.0		12	12	3.33	625	2980	43.44	75	47	2.0	
		6.3	1.8	100		3.8		45	2.0			15	4.16	600		49.00		50	2.2	
		7.5	2.1	98		4.3		47	2.5			18	5	576		55.34		51	2.7	
	5	3.75	1.0	127.5	2980	3.9	7.5	33	2.0		2	15	4.2	68	2980	5.6	11	50	2.2	
		6.3	1.8	125		4.8		45	2.0			25	6.9	60		6.6		62	2.2	
		7.5	2.1	122.5		5.3		47	2.5			30	8.3	55		7.1		63	2.6	
	6	3.75	1.0	153	2980	4.7	11	33	2.0	3	15	4.2	102	2980	8.3	15	50	2.2		
		6.3	1.8	150		5.7		45	2.0		25	6.9	90		9.9		62	2.2		
		7.5	2.1	147		6.4		47	2.5		30	8.3	82.5		10.7		63	2.6		
	7	3.75	1.0	178.5	2980	5.5	11	33	2.0	4	15	4.2	136	2980	11.1	18.5	50	2.2		
		6.3	1.8	175		6.7		45	2.0		25	6.9	120		13.2		62	2.2		
		7.5	2.1	171.5		7.4		47	2.5		30	8.3	110		14.3		63	2.6		
	8	3.75	1.0	204	2980	6.3	15	33	2.0	5	15	4.2	170	2980	13.9	22	50	2.2		
		6.3	1.8	200		7.6		45	2.0		25	6.9	150		16.5		62	2.2		
		7.5	2.1	196		8.5		47	2.5		30	8.3	137.5		17.8		63	2.6		
	9	3.75	1.0	229.5	2980	7.1	15	33	2.0	6	15	4.2	204	2980	16.7	30	50	2.2		
		6.3	1.8	225		8.6		45	2.0		25	6.9	180		19.8		62	2.2		
		7.5	2.1	220.5		9.6		47	2.5		30	8.3	165		21.4		63	2.6		
	10	3.75	1.0	255	2980	7.9	18.5	33	2.0	7	15	4.2	238	2980	19.4	30	50	2.2		
		6.3	1.8	250		9.5		45	2.0		25	6.9	210		23.1		62	2.2		
		7.5	2.1	245		10.6		47	2.5		30	8.3	192.5		25.0		63	2.6		
	11	3.75	1.0	280.5	2980	8.7	18.5	33	2.0	8	15	4.2	272	2980	22.2	37	50	2.2		
		6.3	1.8	275		10.5		45	2.0		25	6.9	240		26.3		62	2.2		
		7.5	2.1	269.5		11.7		47	2.5		30	8.3	220		28.5		63	2.6		
	12	3.75	1.0	306	2980	9.5	18.5	33	2.0	9	15	4.2	306	2980	25	37	50	2.2		
		6.3	1.8	300		11.4		45	2.0		25	6.9	270		29.6		62	2.2		
		7.5	2.1	294		12.8		47	2.5		30	8.3	247.5		32.1		63	2.6		
	D12-25 MD12-25 DF12-25	2	12.5	3.5	50	2980	3.2	5.5	54	2.0	D25-50 MD25-50 DF25-50	10	15	4.2	340	2980	27.8	45	50	2.2
			15	4.2	46		3.5		53	2.5			25	6.9	300		32.9		62	2.2
			7.5	2.1	84.6		3.9		44	2.0			30	8.3	275		35.6		63	2.6
3		12.5	3.5	75	2980	4.7	7.5	54	2.0	2		15	4.2	103	2980	9.6	18.5	44	2.4	
		15	4.2	69		5.3		53	2.5			25	6.9	100		12.6		54	2.7	
		7.5	2.1	112.8		5.2		44	2.0			28	7.8	96		13.6		54	2.8	
4		12.5	3.5	100	2980	6.3	11.0	54	2.0	3		15	4.2	154.5	2980	14.3	22	44	2.4	
		15	4.2	92		7.1		53	2.5			25	6.9	150		18.9		54	2.7	
		7.5	2.1	141		6.5		44	2.0			28	7.8	144		20.3		54	2.8	
5		12.5	3.5	125	2980	7.9	11.0	54	2.0	4		15	4.2	206	2980	19.1	30	44	2.4	
		15	4.2	115		8.9		53	2.5			25	6.9	200		25.2		54	2.7	
		7.5	2.1	169.2		7.9		44	2.0			28	7.8	192		27.1		54	2.8	
6		12.5	3.5	150	2980	9.5	15	54	2.0	5	15	4.2	257.5	2980	23.9	37	44	2.4		
		15	4.2	138		10.6		53	2.5		25	6.9	250		31.5		54	2.7		
		7.5	2.1	197.4		9.2		44	2.0		28	7.8	240		33.9		54	2.8		
7		12.5	3.5	175	2980	11.0	15	54	2.0	6	15	4.2	309	2980	28.7	45	44	2.4		
		15	4.2	161		12.4		53	2.5		25	6.9	300		37.8		54	2.7		
		7.5	2.1	225.6		10.5		44	2.0		28	7.8	288		40.7		54	2.8		
8		12.5	3.5	200	2980	12.6	18.5	54	2.0	7	15	4.2	360.5	2980	33.5	55	44	2.4		
		15	4.2	184		14.2		53	2.5		25	6.9	350		44.1		54	2.7		
		7.5	2.1	253.8		11.8		44	2.0		28	7.8	336		47.4		54	2.8		
9		12.5	3.5	225	2980	14.2	18.5	54	2.0	8	15	4.2	412	2980	38.2	75	44	2.4		
		15	4.2	207		15.9		53	2.5		25	6.9	400		50.4		54	2.7		
		7.5	2.1	282		13.1		44	2.0		28	7.8	384		54.2		54	2.8		
10		12.5	3.5	250	2980	15.8	22	54	2.0	9	15	4.2	463.5	2980	43.0	75	44	2.4		
		15	4.2	230		17.7		53	2.5		25	6.9	450		56.7		54	2.7		
		7.5	2.1	310.2		14.4		44	2.0		28	7.8	432		61.0		54	2.8		
11		12.5	3.5	275	2980	17.3	22	54	2.0	10	15	4.2	515	2980	47.8	75	44	2.4		
		15	4.2	253		19.5		53	2.5		25	6.9	500		63.0		54	2.7		
		7.5	2.1	338.4		15.7		44	2.0		28	7.8	480		67.8		54	2.8		
12		12.5	3.5	300	2980	18.9	30	54	2.0	11	15	4.2	566	2980	52.5	90	44	2.4		
		15	4.2	276		21.3		53	2.5		25	6.9	550		69.3		54	2.7		
		12	3.33	104		7.23		47	2.0		28	7.8	528		74.5		54	2.8		
D15-50 MD15-50 DF15-50		2	15	4.16	100	2980	8.17	15	50	2.2	D25-80 DF25-80	12	15	4.2	618	2980	57.4	90	44	2.4
			18	5	96		9.22		51	2.7			25	6.9	600		75.6		54	2.7
			12	3.33	156		10.84		47	2.0			28	7.8	576		81.3		54	2.8
	3	15	4.16	150	2980	12.25	18.5	50	2.2	7		15	4.2	595	2980	71.5	110	34	3.2	
		18	5	144		13.84		51	2.7			25	6.9	567		85.8		45	3.5	
		12	3.33	208		14.46		47	2.0			30	8.3	542.5		100.7		44	5.0	
	4	15	4.16	200	2980	16.33	22	50	2.2	8		15	4.2	680	2980	81.7	132	34	3.2	
		18	5	192		18.45		51	2.7			25	6.9	648		98.0		45	3.5	
		12	3.33	261		18.14		47	2.0			30	8.3	620		115.1		44	5.0	
	5	15	4.16	250	2980	20.42	30	50	2.2	9		15	4.2	765	2980	91.9	160	34	3.2	
		18	5	240		23.06		51	2.7			25	6.9	729		110.3		45	3.5	
		12	3.33	313		21.75		47	2.0			30	8.3	697.5		129.5		44	5.0	
	6	15	4.16	300	2980	24.50	30	50	2.2	10	15	4.2	850	2980	102.1	185	34	3.2		
		18	5	288		27.67		51	2.7		25	6.9	810		122.5		45	3.5		
		12	3.33	365		25.37		47	2.0		30	8.3	775		143.8		44	5.0		
	7	15	4.16	350	2980	28.58	37	50	2.2	11	15	4.2	935	2980	112.3	200	34	3.2		
		18	5	336		32.28		51	2.7		25	6.9	891		134.8		45	3.5		
		12	3.33	417		28.98		47	2.0		30	8.3	852.5		158.2		44	5.0		
	8	15	4.16	400	2980	32.67	45	50	2.2	12	15	4.2	1020	2980	122.5	200	34	3.2		
		18	5	384		36.89		51	2.7		25	6.9	972		147.0		45	3.5		
		12	3.33	469		32.60		47	2.0		30	8.3	930		172.6		44	5.0		
	9	15	4.16	450	2980	36.75	45	50	2.2											
		18	5	432		41.51		51	2.7											

Model	Number of stage n	Capacity		Head m	Rotation Speed r/min	Shaft Power kW	Power kW	Efficiency %	NPSHr m	Model	Number of stage n	Capacity		Head m	Rotation Speed r/min	Shaft Power kW	Power kW	Efficiency %	NPSHr m
		m³/h	L/s									m³/h	L/s						
D35-50 DF35-50	2	28	7.8	104	2980	15.3	22	52	2.3	D46-30 MD46-30 DF46-30	8	30	8.3	272	2980	34.71	55	64	2.4
		35	9.7	100		16.3		58.5	2.5			46	12.8	240		42.93		70	3.0
		42	11.7	96		19.3		57	3.0			55	15.3	216		47.56		68	4.6
	3	28	7.8	156	2980	22.9	30	52	2.3		9	30	8.3	306	2980	39.05	55	64	2.4
		35	9.7	150		24.4		58.5	2.5			46	12.8	270		48.30		70	3.0
		42	11.7	144		28.9		57	3.0			55	15.3	243		53.50		68	4.6
	4	28	7.8	208	2980	30.5	45	52	2.3		10	30	8.3	340	2980	43.39	75	64	2.4
		35	9.7	200		32.6		58.5	2.5			46	12.8	300		53.67		70	3.0
		42	11.7	192		38.5		57	3.0			55	15.3	270		59.45		68	4.6
	5	28	7.8	261	2980	38.3	55	52	2.3	D46-50 MD46-50 DF46-50	2	30	8.3	111	2980	16.8	30	54	2.5
		35	9.7	250		40.7		58.5	2.5			46	12.8	100		19.9		63	2.8
		42	11.7	240		48.1		57	3.0			55	15.3	92		21.5		64	3.2
	6	28	7.8	313	2980	45.9	75	52	2.3		3	30	8.3	166.5	2980	25.2	37	54	2.5
		35	9.7	300		48.9		58.5	2.5			46	12.8	150		29.8		63	2.8
		42	11.7	288		57.8		57	3.0			55	15.3	138		32.3		64	3.2
	7	28	7.8	365	2980	53.5	75	52	2.3		4	30	8.3	222	2980	33.6	45	54	2.5
		35	9.7	350		57.0		58.5	2.5			46	12.8	200		39.8		63	2.8
		42	11.7	336		67.4		57	3.0			55	15.3	184		43.0		64	3.2
	8	28	7.8	417	2980	61.1	90	52	2.3		5	30	8.3	277.5	2980	42.0	55	54	2.5
		35	9.7	400		65.1		58.5	2.5			46	12.8	250		49.7		63	2.8
		42	11.7	384		77.0		57	3.0			55	15.3	230		53.8		64	3.2
	9	28	7.8	469	2980	68.7	90	52	2.3		6	30	8.3	333	2980	50.4	75	54	2.5
		35	9.7	450		73.3		58.5	2.5			46	12.8	300		59.6		63	2.8
		42	11.7	432		86.7		57	3.0			55	15.3	276		64.6		64	3.2
	10	28	7.8	521	2980	76.4	110	52	2.3		7	30	8.3	388.5	2980	58.8	90	54	2.5
		35	9.7	500		81.4		58.5	2.5			46	12.8	350		69.6		63	2.8
		42	11.7	480		96.3		57	3.0			55	15.3	322		75.3		64	3.2
	11	28	7.8	573	2980	84.0	110	52	2.3		8	30	8.3	444	2980	67.1	90	54	2.5
		35	9.7	550		89.6		58.5	2.5			46	12.8	400		79.5		63	2.8
		42	11.7	528		105.9		57	3.0			55	15.3	368		86.1		64	3.2
	12	28	7.8	625	2980	91.6	132	52	2.3		9	30	8.3	499.5	2980	75.5	110	54	2.5
		35	9.7	600		97.7		58.5	2.5			46	12.8	450		89.4		63	2.8
		42	11.7	576		115.5		57	3.0			55	15.3	414		96.9		64	3.2
D36-80 DF36-80	7	28	7.8	581	2980	87	132	51	3.5	D48-50 MD48-50 DF48-50	10	30	8.3	555	2980	83.9	132	54	2.5
		36	10	560		104		53	3.7			46	12.8	500		99.4		63	2.8
		40	11.1	539		111		53	4.0			55	15.3	460		107.6		64	3.2
	8	28	7.8	664	2980	99	132	51	3.5		11	30	8.3	610.5	2980	92.3	132	54	2.5
		36	10	640		118		53	3.7			46	12.8	550		109.3		63	2.8
		40	11.1	616		127		53	4.0			55	15.3	506		118.4		64	3.2
	9	28	7.8	747	2980	112	160	51	3.5		12	30	8.3	666	2980	100.7	160	54	2.5
		36	10	720		133		53	3.7			46	12.8	600		119.3		63	2.8
		40	11.1	693		142		53	4.0			55	15.3	552		129.1		64	3.2
	10	28	7.8	830	2980	124	185	51	3.5	2	35	9.7	110	2980	18.72	30	56	2.5	
		36	10	800		148		53	3.7		48	13.3	100		19.50		67	2.8	
		40	11.1	770		158		53	4.0		60	16.7	84		20.18		68	3.2	
	11	28	7.8	913	2980	136	200	51	3.5	3	35	9.7	165	2980	28.07	37	56	2.5	
		36	10	880		163		53	3.7		48	13.3	150		29.25		67	2.8	
		40	11.1	847		174		53	4.0		60	16.7	126		30.26		68	3.2	
	12	28	7.8	996	2980	149	200	51	3.5	4	35	9.7	220	2980	37.43	45	56	2.5	
		36	10	960		178		53	3.7		48	13.3	200		39.00		67	2.8	
		40	11.1	924		190		53	4.0		60	16.7	168		40.35		68	3.2	
D45-80 MD45-80 DF45-80	6	36	10.0	500	2980	98.0	160	50	3.9	D48-50 MD48-50 DF48-50	5	35	9.7	275	2980	46.79	55	56	2.5
		45	12.5	480		106.9		55	4.2			48	13.3	250		48.76		67	2.8
		60	16.7	405		118.1		56	5.5			60	16.7	210		50.44		68	3.2
	7	36	10.0	586	2980	114.9	160	50	3.9		6	35	9.7	330	2980	56.15	75	56	2.5
		45	12.5	560		124.7		55	4.2			48	13.3	300		58.51		67	2.8
		60	16.7	475		138.5		56	5.5			60	16.7	252		60.53		68	3.2
	8	36	10.0	670	2980	131.5	200	50	3.9		7	35	9.7	385	2980	65.50	90	56	2.5
		45	12.5	640		142.5		55	4.2			48	13.3	350		68.26		67	2.8
		60	16.7	545		159.0		56	5.5			60	16.7	294		70.62		68	3.2
	9	36	10.0	752	2980	147.4	220	50	3.9		8	35	9.7	440	2980	74.86	90	56	2.5
		45	12.5	720		160.4		55	4.2			48	13.3	400		78.01		67	2.8
		60	16.7	614		179.1		56	5.5			60	16.7	336		80.71		68	3.2
10	36	10.0	836	2980	163.9	220	50	3.9	9	35	9.7	495	2980	84.22	110	56	2.5		
	45	12.5	800		178.2		55	4.2		48	13.3	450		87.76		67	2.8		
	60	16.7	682		198.9		56	5.5		60	16.7	378		90.79		68	3.2		
11	36	10.0	920	2980	180.3	250	50	3.9	10	35	9.7	550	2980	93.58	132	56	2.5		
	45	12.5	880		196.0		55	4.2		48	13.3	500		97.5		67	2.8		
	60	16.7	750		218.8		56	5.5		60	16.7	420		100.9		68	3.2		
12	36	10.0	1004	2980	196.8	280	50	3.9	11	35	9.7	605	2980	102.9	132	56	2.5		
	45	12.5	960		213.8		55	4.2		48	13.3	550		107.3		67	2.8		
	60	16.7	820		239.2		56	5.5		60	16.7	462		111.0		68	3.2		
D46-30 MD46-30 DF46-30	2	30	8.3	68	2980	8.68	15	64	2.4	D65-80 DF65-80	12	35	9.7	660	2980	112.3	160	56	2.5
		46	12.8	60		10.73		70	3.0			48	13.3	600		117.0		67	2.8
		55	15.3	54		11.89		68	4.6			60	16.7	504		121.1		68	3.2
	3	30	8.3	102	2980	13.02	22	64	2.4		7	50	13.9	602	2980	157.6	220	52	3.7
		46	12.8	90		16.10		70	3.0			65	18.1	560		165.1		60	4.3
		55	15.3	81		17.83		68	4.6			80	22.2	483		172.4		61	5.4
	4	30	8.3	136	2980	17.35	30	64	2.4		8	50	13.9	688	2980	180.1	250	52	3.7
		46	12.8	120		21.47		70	3.0			65	18.1	640		188.7		60	4.3
		55	15.3	108		23.78		68	4.6			80	22.2	552		197.1		61	5.4
	5	30	8.3	170	2980	21.69	37	64	2.4		9	50	13.9	774	2980	202.6	280	52	3.7
		46	12.8	150		26.83		70	3.0			65	18.1	720		212.3		60	4.3
		55	15.3	135		29.72		68	4.6			80	22.2	621		221.7		61	5.4
	6	30	8.3	204	2980	26.03	37	64	2.4		10	50	13.9	860	2980	225.1	315	52	3.7
		46	12.8	180		32.20		70	3.0			65	18.1	800		235.9		60	4.3
		55	15.3	162		35.67		68	4.6			80	22.2	690		246.3		61	5.4
7	30	8.3	238	2980	30.37	45	64	2.4	11	50	13.9	946	2980	247.6	315	52	3.7		
	46	12.8	210		37.57		70	3.0		65	18.1	880		259.5		60	4.3		
	55	15.3	189		41.61		68	4.6		80	13.9	759		271.0		61	5.4		

Model	Number of stage	Capacity		Head	Rotation Speed r/min	Shaft Power kW	Power kW	Efficiency %	NPSHr m	Model	Number of stage	Capacity		Head	Rotation Speed r/min	Shaft Power kW	Power kW	Efficiency %	NPSHr m		
		m³/h	L/s									m³/h	L/s								
D65-80 DF65-80	12	50	13.9	1032	2980	270.1	355	52	3.7	D85-120 DF85-120	7	60	16.7	903	2980	254.3	400	58	3.5		
		65	18.1	960		283.1		60	4.3			299	65	4.5							
		80	22.2	828		295.6		61	5.4			353.7	64	5.3							
	7	50	13.9	868	2980	241.1	400	50	3.3		8	60	16.7	1032	2980	290.6	450	58	3.5		
		65	18.1	840		275.8		55	4.3			85	23.6	960		341.7		65	4.5		
		80	22.2	805		331.3		54	5.2			110	30.6	860		402.4		64	5.3		
	8	50	13.9	992	2980	275.6	450	50	3.3		9	60	16.7	1162	2980	327.2	500	58	3.5		
		65	18.1	960		315.2		55	4.3			85	23.6	1080		384.5		65	4.5		
		80	22.2	920		378.6		54	5.2			110	30.6	964		451.0		64	5.3		
	9	50	13.9	1116	2980	310	500	50	3.3		10	60	16.7	1291	2980	363.6	560	58	3.5		
		65	18.1	1080		354.5		55	4.3			85	23.6	1200		427.2		65	4.5		
		80	22.2	1035		425.9		54	5.2			110	30.6	1068		499.7		64	5.3		
	10	50	13.9	1240	2980	344.4	560	50	3.3		11	60	16.7	1418	2980	399.3	630	58	3.5		
		65	18.1	1200		393.9		55	4.3			85	23.6	1320		469.9		65	4.5		
		80	22.2	1150		473.3		54	5.2			110	30.6	1172		548.4		64	5.3		
	11	50	13.9	1364	2980	378.9	630	50	3.3		12	60	16.7	1550	2980	436.5	710	58	3.5		
		65	18.1	1320		433.3		55	4.3			85	23.6	1440		512.6		65	4.5		
		80	22.2	1265		520.6		54	5.2			110	30.6	1276		597.0		64	5.3		
	12	50	13.9	1488	2980	413.3	630	50	3.3		D100-50 MD100-50 DF100-50	2	80	22.2	108	2980	34.59	55	68	3.8	
		65	18.1	1440		472.7		55	4.3				100	27.8	100		37.81		72	4.1	
		80	22.2	1380		567.9		54	5.2				125	34.7	88		41.58		72	4.8	
	D85-45 MD85-45 DF85-45	2	55	15.3	102	2980	24.2	37	63			3.2	3	80	22.2	162	2980	51.88	75	68	3.8
			85	23.6	90		28.9		72			4.2		100	27.8	150		56.71		72	4.1
			100	27.8	78		30.3		70			5.2		125	34.7	132		62.38		72	4.8
3		55	15.3	153	2980	36.4	55	63	3.2	4		80	22.2	216	2980	69.18	90	68	3.8		
		85	23.6	135		43.4		72	4.2			100	27.8	200		75.62		72	4.1		
		100	27.8	117		45.5		70	5.2			125	34.7	176		83.18		72	4.8		
4		55	15.3	204	2980	48.5	75	63	3.2	5		80	22.2	270	2980	86.47	132	68	3.8		
		85	23.6	180		57.8		72	4.2			100	27.8	250		94.52		72	4.1		
		100	27.8	156		60.7		70	5.2			125	34.7	220		103.97		72	4.8		
5		55	15.3	255	2980	60.6	90	63	3.2	6		80	22.2	324	2980	103.76	132	68	3.8		
		85	23.6	225		72.3		72	4.2			100	27.8	300		113.44		72	4.1		
		100	27.8	195		75.8		70	5.2			125	34.7	264		124.77		72	4.8		
6		55	15.3	306	2980	72.7	110	63	3.2	7		80	22.2	378	2980	121.06	160	68	3.8		
		85	23.6	270		86.8		72	4.2			100	27.8	350		132.33		72	4.1		
		100	27.8	234		91.0		70	5.2			125	34.7	308		145.56		72	4.8		
7		55	15.3	357	2980	84.8	132	63	3.2	8		80	22.2	432	2980	138.35	200	68	3.8		
		85	23.6	315		101.2		72	4.2			100	27.8	400		151.26		72	4.1		
		100	27.8	273		106.2		70	5.2			125	34.7	352		166.36		72	4.8		
8		55	15.3	408	2980	97.0	132	63	3.2	9		80	22.2	486	2980	155.65	200	68	3.8		
		85	23.6	360		115.7		72	4.2			100	27.8	450		170.14		72	4.1		
		100	27.8	312		121.3		70	5.2			125	34.7	396		187.25		72	4.8		
9		55	15.3	459	2980	109.1	160	63	3.2	10	80	22.2	540	2980	172.94	250	68	3.8			
		85	23.6	405		130.2		72	4.2		100	27.8	500		189.04		72	4.1			
		100	27.8	351		136.5		70	5.2		125	34.7	440		207.95		72	4.8			
D85-67 MD85-67 DF85-67	2	55	15.3	148	2980	41	75	54	3.3	11	80	22.2	594	2980	190.23	250	68	3.8			
		85	23.6	134		47.7		65	4		100	27.8	550		207.95		72	4.1			
		100	27.8	122		51.1		65	4.4		125	34.7	484		228.74		72	4.8			
	3	55	15.3	221	2980	61.6	90	54	3.3	12	80	22.2	648	2980	207.53	280	68	3.8			
		85	23.6	201		71.6		65	4		100	27.8	600		226.85		72	4.1			
		100	27.8	183		76		65	4.4		125	34.7	528		249.54		72	4.8			
	4	55	15.3	296	2980	82.1	110	54	3.3	2	90	25	152	2980	58.2	90	64	3.1			
		85	23.6	268		95.4		65	4		100	27.8	140		68.1		70	3.9			
		100	27.8	244		102.2		65	4.4		150	41.7	128		74.7		70	4.8			
	5	55	15.3	370	2980	102.6	132	54	3.3	3	90	25	228	2980	87.3	132	64	3.1			
		85	23.6	335		119.3		65	4		100	27.8	210		102.1		70	3.9			
		100	27.8	305		127.7		65	4.4		150	41.7	192		112.0		70	4.8			
	6	55	15.3	444	2980	123.1	160	54	3.3	4	90	25	304	2980	116.4	160	64	3.1			
		85	23.6	402		143.1		65	4		100	27.8	280		136.1		70	3.9			
		100	27.8	366		153.3		65	4.4		150	41.7	256		149.3		70	4.8			
	7	55	15.3	518	2980	143.6	200	54	3.3	5	90	25	380	2980	145.5	200	64	3.1			
		85	23.6	469		167		65	4		100	27.8	350		170.1		70	3.9			
		100	27.8	427		178.8		65	4.4		150	41.7	320		186.7		70	4.8			
	8	55	15.3	592	2980	164.1	220	54	3.3	6	90	25	456	2980	174.6	250	64	3.1			
		85	23.6	536		190.8		65	4		100	27.8	420		204.2		70	3.9			
		100	27.8	488		204.4		65	4.4		150	41.7	384		224.0		70	4.8			
	9	55	15.3	666	2980	184.7	250	54	3.3	7	90	25	532	2980	203.7	280	64	3.1			
		85	23.6	603		214.7		65	4		100	27.8	490		238.2		70	3.9			
		100	27.8	549		229.9		65	4.4		150	41.7	448		261.3		70	4.8			
D85-80 MD85-80 DF85-80	7	54	15.0	616	2980	170.9	250	53	3.5	8	90	25	608	2980	232.8	315	64	3.1			
		85	23.6	560		199.4		65	4.5		100	27.8	560		272.2		70	3.9			
		108	30.0	490		218.3		66	5.3		150	41.7	512		298.7		70	4.8			
	8	54	15.0	705	2980	195.5	280	53	3.5	9	90	25	684	2980	261.8	355	64	3.1			
		85	23.6	640		227.8		65	4.5		100	27.8	630		306.3		70	3.9			
		108	30.0	560		249.5		66	5.3		150	41.7	576		336.0		70	4.8			
	9	54	15.0	792	2980	219.7	355	53	3.5	6	120	33.3	640	2980	312	400	67	3.3			
		85	23.6	720		256.3		65	4.5		150	41.7	600		349		70	3.7			
		108	30.0	630		280.6		66	5.3		185	51.4	520		379.5		69	4.2			
	10	54	15.0	880	2980	244.1	355	53	3.5	7	120	33.3	747	2980	364.2	500	67	3.3			
		85	23.6	800		284.8		65	4.5		150	41.7	700		408.3		70	3.7			
		108	30.0	702		312.7		66	5.3		185	51.4	607		424.6		72	4.2			
	11	54	15	968	2980	268.5	400	53	3.5	8	120	33.3	854	2980	416.4	560	67	3.3			
		85	23.6	880		313.3		65	4.5		150	41.7	800		466.7		70	3.7			
		108	30.0	770		343.0		66	5.3		185	51.4	694		485.4		72	4.2			
	12	54	15	1056	2980	292.9	450	53	3.5	9	120	33.3	960	2980	468.1	630	67	3.3			
		85	23.6	960		341.7		65	4.5		150	41.7	900		525.0		70	3.7			
		108	30.0	840		374.2		66	5.3		185	51.4	780		545.6		72	4.2			
	D155-30 MD155-30 DF155-30	2	100	27.8	65	1480	27.6	55	64	3.2	10	120	33.3	1067	2980	520.2	710	67	3.3		
			155	43.1	60		36.9		75	4.8											
			185	51.4	55		36.9		75	4.8											

Model	Number of stage	Capacity		Head	Rotation Speed	Shaft Power	Power	Efficiency	NPSHr	Model	Number of stage	Capacity		Head	Rotation Speed	Shaft Power	Power	Efficiency	NPSHr		
		m³/h	L/s									m	m³/h							L/s	m
D155-30 MD155-30 DF155-30	3	100	27.8	97.5	1480	41.5	75	64	3.2	D180-52 DF180-52	11	130	36.1	594	1480	339.0	500	62	2.2		
		155	43.1	90		50.6		75	3.9			180	48.6	572		406.2		69	2.4		
		185	51.4	82.5		55.4		75	4.8			210	58.3	550		455.7		70	2.9		
	4	100	27.8	130	1480	55.3	90	64	3.2		12	130	36.1	648	1480	369.9	560	62	2.2		
		155	43.1	120		67.5		75	3.9			180	48.6	624		443.1		69	2.4		
		185	51.4	110		73.9		75	4.8			210	58.3	600		497.1		70	2.9		
	5	100	27.8	162.5	1480	69.1	110	64	3.2		2	160	44.4	104	1480	69	110	66	2.2		
		155	43.1	150		84.4		75	3.9			200	55.6	100		76		72	2.4		
		185	51.4	137.5		92.3		75	4.8			240	66.7	96		88		71	2.9		
	6	100	27.8	195	1480	82.9	132	64	3.2		3	160	44.4	156	1480	103	160	66	2.2		
		155	43.1	180		101.3		75	3.9			200	55.6	150		113		72	2.4		
		185	51.4	165		110.8		75	4.8			240	66.7	144		133		71	2.9		
	7	100	27.8	227.5	1480	96.8	160	64	3.2		4	160	44.4	208	1480	137	200	66	2.2		
		155	43.1	210		118.1		75	3.9			200	55.6	200		151		72	2.4		
		185	51.4	192.5		129.3		75	4.8			240	66.7	192		177		71	2.9		
	8	100	27.8	260	1480	110.6	200	64	3.2		5	160	44.4	260	1480	172	250	66	2.2		
		155	43.1	240		135.0		75	3.9			200	55.6	250		189		72	2.4		
		185	51.4	220		147.7		75	4.8			240	66.7	240		221		71	2.9		
	9	100	27.8	292.5	1480	124.4	200	64	3.2		6	160	44.4	312	1480	206	315	66	2.2		
		155	43.1	270		151.9		75	3.9			200	55.6	300		227		72	2.4		
		185	51.4	247.5		166.2		75	4.8			240	66.7	288		265		71	2.9		
	10	100	27.8	325	1480	138.2	220	64	3.2		7	160	44.4	364	1480	240	355	66	2.2		
		155	43.1	300		168.8		75	3.9			200	55.6	350		265		72	2.4		
		185	51.4	275		184.7		75	4.8			240	66.7	336		309		71	2.9		
D155-67 MD155-67 DF155-67	2	100	27.8	152	2980	64.7	90	64	3.2	D200-50 MD200-50 DF200-50	8	160	44.4	416	1480	275	400	66	2.2		
		155	43.1	134		76.4		74	5			200	55.6	400		302		72	2.4		
		185	51.4	118		82.5		72	6.6			240	66.7	384		353		71	2.9		
	3	100	27.8	228	2980	97	132	64	3.2		9	160	44.4	468	1480	309	450	66	2.2		
		155	43.1	201		114.6		74	5			200	55.6	450		340		72	2.4		
		185	51.4	177		1238		72	6.6			240	66.7	432		398		71	2.9		
	4	100	27.8	304	2980	129.3	185	64	3.2		10	160	44.4	520	1480	343	500	66	2.2		
		155	43.1	268		152.8		74	5			200	55.6	500		378		72	2.4		
		185	51.4	236		165.1		72	6.6			240	66.7	480		442		71	2.9		
	5	100	27.8	380	2980	161.6	220	64	3.2		11	160	44.4	572	1480	377	560	66	2.2		
		155	43.1	335		191		74	5			200	55.6	550		416		72	2.4		
		185	51.4	295		206.3		72	6.6			240	66.7	528		486		71	2.9		
	6	100	27.8	456	2980	194	280	64	3.2		12	160	44.4	624	1480	412	630	66	2.2		
		155	43.1	402		229.2		74	5			200	55.6	600		454		72	2.4		
		185	51.4	354		247.6		72	6.6			240	66.7	576		530		71	2.9		
	7	100	27.8	532	2980	226.3	315	64	3.2		6	160	44.4	660	2980	423	560	68	3.7		
		155	43.1	469		267.4		74	5			200	55.6	600		441		74	4.3		
		185	51.4	413		288.9		72	6.6			240	66.7	510		476		70	4.7		
	8	100	27.8	608	2980	258.6	355	64	3.2		7	160	44.4	770	2980	493	630	68	3.7		
		155	43.1	536		305.6		74	5			200	55.6	700		515		74	4.3		
		185	51.4	472		330.1		72	6.6			240	66.7	595		555		70	4.7		
	9	100	27.8	684	2980	290.9	450	64	3.2		8	160	44.4	880	2980	564	710	68	3.7		
		155	43.1	603		343.8		74	5			200	55.6	800		589		74	4.3		
		185	51.4	531		371.4		72	6.6			240	66.7	680		635		70	4.7		
D160-120 DF160-120	7	120	33.3	903	2980	453.8	800	65	3.9	DS200-100 MDS200-100 DFS200-100	9	160	44.4	990	2980	634	800	68	3.7		
		160	44.4	840		508.1		72	4.5			200	55.6	900		662		74	4.3		
		200	55.6	756		579.7		71	5.4			240	66.7	765		714		70	4.7		
	8	120	33.3	1032	2980	518.6	800	65	3.9		10	160	44.4	1100	2980	705	900	68	3.7		
		160	44.4	960		580.7		72	4.5			200	55.6	1000		736		74	4.3		
		200	55.6	860		659.5		71	5.4			240	66.7	850		793		70	4.7		
	9	120	33.3	1162	2980	584	1000	65	3.9		2	196	54.4	94	1480	68.7	110	73	2.8		
		160	44.4	1080		653.3		72	4.5			245	68.1	90		80		75	3.8		
		200	55.6	964		739.2		71	5.4			294	81.7	82		88.7		74	5.2		
	10	120	33.3	1291	2980	648.8	1000	65	3.9		3	196	54.4	141	1480	103.1	160	73	2.8		
		160	44.4	1200		725.9		72	4.5			245	68.1	135		120.1		75	3.8		
		200	55.6	1068		819		71	5.4			294	81.7	123		133		74	5.2		
	11	120	33.3	1418	2980	712.6	1000	65	3.9		4	196	54.4	188	1480	137.4	220	73	2.8		
		160	44.4	1320		798.5		72	4.5			245	68.1	180		160.1		75	3.8		
		200	55.6	1172		898.7		71	5.4			294	81.7	164		177.4		74	5.2		
	12	120	33.3	1550	2980	779	1000	65	3.9		5	196	54.4	235	1480	171.8	250	73	2.8		
		160	44.4	1440		871.1		72	4.5			245	68.1	225		200.1		75	3.8		
		200	55.6	1276		978.5		71	5.4			294	81.7	205		221.7		74	5.2		
	D180-52 DF180-52	2	130	36.1	108	1480	61.6	110	62		2.2	D245-45 MD245-45 DF245-45	6	196	54.4	282	1480	206.1	315	73	2.8
			180	48.6	104		73.9		69		2.4			245	68.1	270		240.1		75	3.8
			210	58.3	100		82.9		70		2.9			294	81.7	246		266.1		74	5.2
		3	130	36.1	162	1480	92.5	160	62		2.2		7	196	54.4	329	1480	240.5	355	73	2.8
			180	48.6	156		110.8		69		2.4			245	68.1	315		280.1		75	3.8
			210	58.3	150		124		70		2.9			294	81.7	287		310.4		74	5.2
4		130	36.1	216	1480	123.3	200	62	2.2	8	196		54.4	376	1480	274.8	400	73	2.8		
		180	48.6	208		147.7		69	2.4		245		68.1	360		320.1		75	3.8		
		210	58.3	200		165.7		70	2.9		294		81.7	328		354.7		74	5.2		
5		130	36.1	270	1480	154.1	250	62	2.2	9	196		54.4	423	1480	309.2	450	73	2.8		
		180	48.6	260		184.6		69	2.4		245		68.1	405		360.2		75	3.8		
		210	58.3	250		207.1		70	2.9		294		81.7	369		399.1		74	5.2		
6		130	36.1	324	1480	184.9	280	62	2.2	2	180		50	142	1480	110	160	63	2.1		
		180	48.6	312		221.6		69	2.4		245		68.1	134		126		71.0	2.9		
		210	58.3	300		248.6		70	2.9		300		83.3	125		143		71	3.5		
7		130	36.1	378	1480	215.8	315	62	2.2	3	180		50	213	1480	166	250	63	2.1		
		180	48.6	364		258.5		69	2.4		245		68.1	201		189		71.0	2.9		
		210	58.3	350		290.0		70	2.9		300		83.3	187		215		71	3.5		
8		130	36.1	432	1480	246.6	400	62	2.2	4	180		50	284	1480	221	315	63	2.1		
		180	48.6	416		295.4		69	2.4		245		68.1	268		252		71.0	2.9		
		210	58.3	400		331.4		70	2.9		300		83.3	249		287		71	3.5		
9		130	36.1	486	1480	277.4	400	62	2.2	5	180		50	355	1480	276	400	63	2.1		
		180	48.6	468		332.3		69	2.4		245		68.1	335		315		71.0	2.9		
		210	58.3	450		372.8		70	2.9		300		83.3	312		358		71	3.5		
10	130	36.1	540	1480	308.2	450	62	2.2	6	180	50	426	1480	331	450	63	2.1				
	180	48.6	520		369.3		69	2.4		245	68.1	402		378		71.0	2.9				
		210	58.3	500			70	2.9			300	83.3	374			430	71	3.5			

Model	Number of stage	Capacity		Head m	Rotation Speed r/min	Shaft Power kW	Power kW	Efficiency %	NPSHr m	Model	Number of stage	Capacity		Head m	Rotation Speed r/min	Shaft Power kW	Power kW	Efficiency %	NPSHr m	
		m³/h	L/s									m³/h	L/s							
D245-67 MD245-67 DF245-67	7	180	50	497	1480	387	560	63	2.1	DS280-100 DFS280-100	7	210	58.3	758	2980	600	900	72	4.5	
		245	68.1	469		441		71.0	2.9			280	77.8	700		693		77	5.5	
		300	83.3	436		502		71	3.5			300	83.3	665		705		77	6.0	
	8	180	50	568	1480	442	630	63	2.1		8	8	210	58.3	864	2980	686	1000	72	4.5
		245	68.1	536		504		71.0	2.9				280	77.8	800		792		77	5.5
		300	83.3	498		573		71	3.5				300	83.3	760		806		77	6.0
	9	180	50	639	1480	497	710	63	2.1		9	9	210	58.3	972	2980	772	1120	72	4.5
		245	68.1	603		567		71.0	2.9				280	77.8	900		891		77	5.5
		300	83.3	561		645		71	3.5				300	83.3	855		907		77	6.0
	10	180	50	710	1480	552	800	63	2.1		10	10	210	58.3	1080	2980	858	1250	72	4.5
		245	68.1	670		630		71.0	2.9				280	77.8	1000		990		77	5.5
		300	83.3	623		717		71	3.5				300	83.3	950		1008		77	6.0
DS245-100 MDS245-100 DFS245-100	6	200	55.6	648	2980	519	630	68	4.3	D360-40 MD360-40 DF360-40	2	300	83.3	84	1480	89.1	132	77	4.7	
		245	68.1	600		534		75	4.7			360	100	80		98.1		80	4.7	
		280	77.8	546		570		73	5.3			440	122.2	71		110.5		77	5.4	
	7	200	55.6	576	2980	605	710	68	4.3		3	3	300	83.3	126	1480	133.7	200	77	4.7
		245	68.1	700		622		75	4.7				360	100	120		147.2		80	4.7
		280	77.8	637		665		73	5.3				440	122.2	106.5		165.8		77	5.4
	8	200	55.6	864	2980	692	800	68	4.3		4	4	300	83.3	168	1480	178.2	250	77	4.7
		245	68.1	800		711		75	4.7				360	100	160		196.2		80	4.7
		280	77.8	728		760		73	5.3				440	122.2	142		221.1		77	5.4
	9	200	55.6	972	2980	778	900	68	4.3		5	5	300	83.3	210	1480	222.8	315	77	4.7
		245	68.1	900		800		75	4.7				360	100	200		245.0		80	4.7
		280	77.8	819		855		73	5.3				440	122.2	177.5		276.3		77	5.4
10	200	55.6	1080	2980	865	1000	68	4.3	2	2	300	83.3	126	1480	142.9	220	72	3.8		
	245	68.1	1000		889		75	4.7			360	100	120		154.7		76	4.3		
	280	77.8	910		950		73	5.3			420	116.7	110		172.3		73	5.0		
D280-43 MD280-43 DF280-43	2	185	51.4	94	1480	68.6	110	69	3.0	D360-60 MD360-60 DF360-60	3	300	83.3	189	1480	214.4	280	72	3.8	
		280	77.8	86		85.1		77	4.7			360	100	180		232.1		76	4.3	
		335	93.1	76		92.4		75	6			420	116.7	165		258.4		73	5.0	
	3	185	51.4	141	1480	102.9	160	69	3.0		4	4	300	83.3	252	1480	285.5	400	72	3.8
		280	77.8	129		127.7		77	4.7				360	100	240		309.5		76	4.3
		335	93.1	114		138.6		75	6				420	116.7	220		344.6		73	5.0
	4	185	51.4	188	1480	137.2	220	69	3.0		5	5	300	83.3	315	1480	357.3	500	72	3.8
		280	77.8	172		170.3		77	4.7				360	100	300		386.8		76	4.3
		335	93.1	152		184.8		75	6				420	116.7	275		430.7		73	5.0
	5	185	51.4	235	1480	171.5	250	69	3.0		6	6	300	83.3	378	1480	428.8	560	72	3.8
		280	77.8	215		212.8		77	4.7				360	100	360		464.2		76	4.3
		335	93.1	190		231.0		75	6				420	116.7	330		516.8		73	5.0
	6	185	51.4	282	1480	205.8	315	69	3.0		7	7	300	83.3	441	1480	500.2	710	72	3.8
		280	77.8	258		255.4		77	4.7				360	100	420		541.6		76	4.3
		335	93.1	228		277.2		75	6				420	116.7	385		603.0		73	5.0
	7	185	51.4	329	1480	240.1	355	69	3.0		8	8	300	83.3	504	1480	571.7	800	72	3.8
		280	77.8	301		298.0		77	4.7				360	100	480		618.9		76	4.3
		335	93.1	266		323.4		75	6				420	116.7	440		689.1		73	5.0
	8	185	51.4	376	1480	274.4	400	69	3.0		9	9	300	83.3	567	1480	643.1	900	72	3.8
		280	77.8	344		340.5		77	4.7				360	100	540		696.3		76	4.3
		335	93.1	304		369.6		75	6				420	116.7	495		755.3		73	5.0
	9	185	51.4	423	1480	308.7	450	69	3.0		10	10	300	83.3	630	1480	714.6	1000	72	3.8
		280	77.8	387		383.1		77	4.7				360	100	600		773.7		76	4.3
		335	93.1	342		415.8		75	6				420	116.7	550		861.4		73	5.0
D280-65 MD280-65 DF280-65	2	210	58.3	139	1480	125	200	64	2.2	D360-92 MD360-92 DF360-92	2	288	80	190	1480	198.6	315	75	3.0	
		280	77.8	133		143		70.4	3.35			360	100	184		237.3		76	4.0	
		340	94.4	123		160		71	4.3			400	111	174		251.4		78	5.8	
	3	210	58.3	209	1480	187	280	64	2.2		3	3	288	80	285	1480	297.9	450	75	3.0
		280	77.8	199		215		70.4	3.35				360	100	276		355.9		76	4.0
		340	94.4	184		240		71	4.3				414	111	261		377.1		78	5.8
	4	210	58.3	279	1480	249	355	64	2.2		4	4	288	80	380	1480	397.2	560	75	3.0
		280	77.8	265		287		70.4	3.35				360	100	368		474.5		76	4.0
		340	94.4	246		320		71	4.3				414	111	348		502.8		78	5.8
	5	210	58.3	349	1480	311	450	64	2.2		5	5	288	80	475	1480	496.5	710	75	3.0
		280	77.8	331		359		70.4	3.35				360	100	460		593.2		76	4.0
		340	94.4	307		400		71	4.3				414	111	435		628.5		78	5.8
	6	210	58.3	418	1480	374	500	64	2.2		6	6	288	80	570	1480	595.8	900	75	3.0
		280	77.8	398		430		70.4	3.35				360	100	552		711.8		76	4.0
		340	94.4	368		480		71	4.3				414	111	522		754.2		78	5.8
	7	210	58.3	488	1480	436	630	64	2.2		7	7	288	80	665	1480	695.1	1000	75	3.0
		280	77.8	464		502		70.4	3.35				360	100	644		830.4		76	4.0
		340	94.4	430		560		71	4.3				414	111	609		879.9		78	5.8
	8	210	58.3	558	1480	498	710	64	2.2		8	8	288	80	760	1480	794.5	1120	75	3.0
		280	77.8	530		574		70.4	3.35				360	100	736		949.1		76	4.0
		340	94.4	491		640		71	4.3				414	111	696		1005.6		78	5.8
	9	210	58.3	627	1480	560	800	64	2.2		9	9	288	80	855	1480	893.8	1250	75	3.0
		280	77.8	596		646		70.4	3.35				360	100	828		1067.7		76	4.0
		340	94.4	553		720		71	4.3				414	111	783		1131.3		78	5.8
10	210	58.3	697	1480	623	900	64	2.2	10	10	288	80	950	1480	993.1	1400	75	3.0		
	280	77.8	663		717		70.4	3.35			360	100	920		1186.3		76	4.0		
	340	94.4	614		800		71	4.3			414	111	870		1257.0		78	5.8		
DS280-100 MDS280-100 DFS280-100	2	210	58.3	204	2980	162	250	72	4.5	D420-90 MD420-90 DF420-90	11	288	80	1045	1480	1092.4	1600	75	3.0	
		280	77.8	200		198		77	5.5			360	100	1012		1304.9		76	4.0	
		300	83.3	196		208		77	6.0			414	111	957		1382.7		78	5.8	
	3	210	58.3	306	2980	243	400	72	4.5		12	12	288	80	1140	1480	1191.7	1600	75	3.0
		280	77.8	300		297		77	5.5				360	100	1104		1423.6		76	4.0
		300	83.3	294		312		77	6.0				414	111	1044		1508.4		78	5.8
	4	210	58.3	432	2980	343	500	72	4.5		2	2	340	94.4	195	1480	240.6	315	75	3.6
		280	77.8	400		396		77	5.5				420	116.7	180		270.8		76	4.8
		300	83.3	380		403		77	6.0				460	127.8	174		279.3		78	6.0
	5	210	58.3	540	2980	429	630	72	4.5		3	3	340	94.4	293	1480	361.6	500	75	3.6
		280	77.8	500		495		77	5.5				420	116.7	270		406.2		76	4.8
		300	83.3	475		504		77	6.0				460	127.8	260		417.4		78	6.0
6	210	58.3	648	2980	515	710	72	4.5	4	4	340	94.4	390	1480	481.3	630	75	3.6		
	280	77.8	600		594		77	5.5			420	116.7	360		541.6		76	4.8		
	300	83.3	570		605		77	6.0			460	127.8	347		557.1		78	6.0		

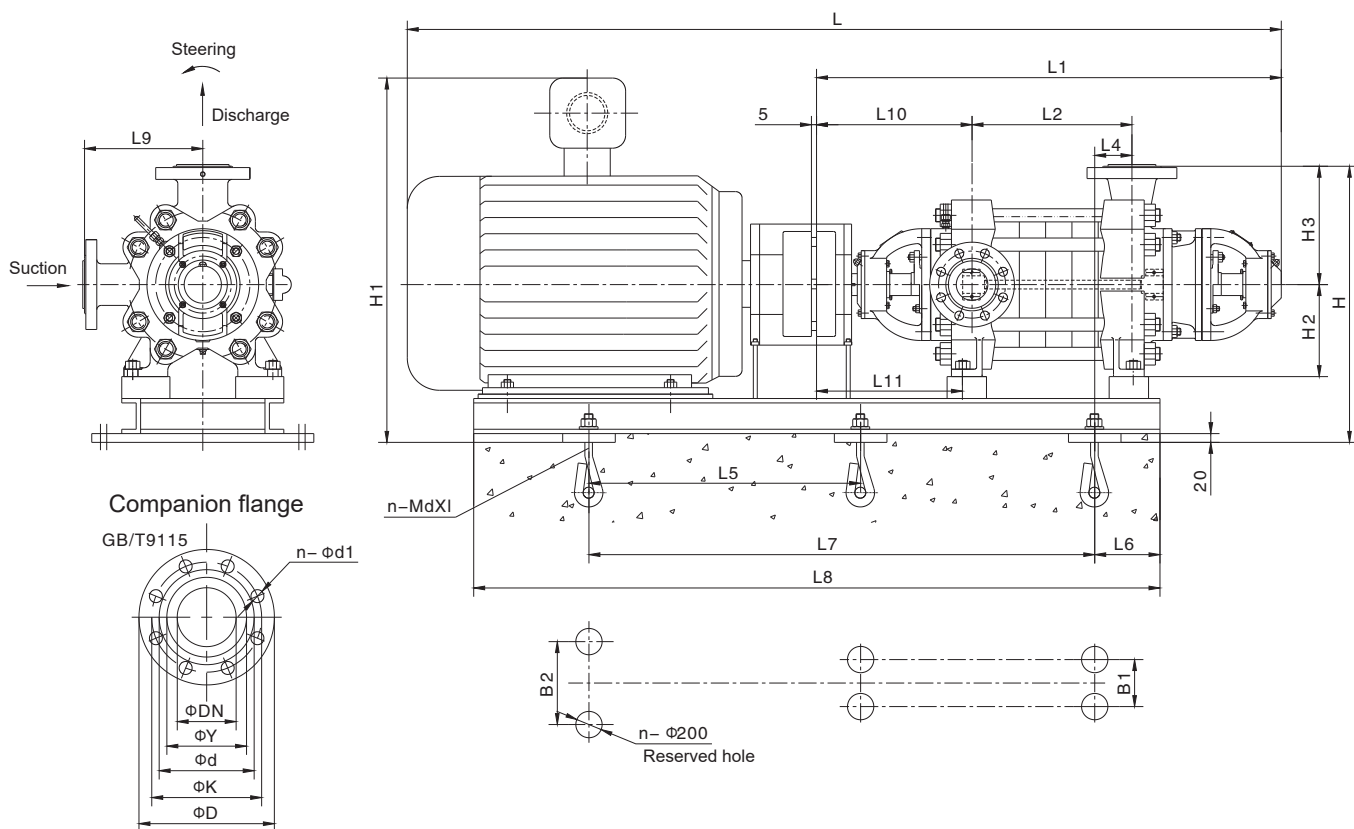
Model	Number of stage	Capacity		Head	Rotation Speed	Shaft Power	Power	Efficiency	NPSHr	Model	Number of stage	Capacity		Head	Rotation Speed	Shaft Power	Power	Efficiency	NPSHr
		m³/h	L/s									m	r/min						
D420-90 MD420-90 DF420-90	5	340	94.4	488	1480	602.2	800	75	3.6	D500-57 MD500-57 DF500-57	8	450	125	468	1480	735.0	900	78	4.4
		420	116.7	450		677		76	4.8			500	138.9	456		773.9		80.2	5.2
		460	127.8	434		696.7		78	6.0			550	152.8	440		844.6		78	6.2
	6	340	94.4	586	1480	723.2	1000	75	3.6		9	450	125	527	1480	827.7	1120	78	4.4
		420	116.7	540		812.4		76	4.8			500	138.9	513		870.6		80.2	5.2
		460	127.8	521		836.4		78	6.0			550	152.8	495		950.2		78	6.2
	7	340	94.4	683	1480	842.9	1120	75	3.6		10	450	125	585	1480	918.8	1250	78	4.4
		420	116.7	630		947.8		76	4.8			500	138.9	570		967.4		80.2	5.2
		460	127.8	608		976.1		78	6.0			550	152.8	550		1055.7		78	6.2
	8	340	94.4	781	1480	963.8	1250	75	3.6		2	450	125	117	1480	183.8	250	78	3.1
		420	116.7	720		1083.2		76	4.8			500	138.9	114		193.5		80.2	3.5
		460	127.8	694		1114.2		78	6.0	550		152.8	110	211.1		78		3.9	
	9	340	94.4	878	1480	1083.5	1400	75	3.6	3	450	125	176	1480	276.4	355	78	3	
		420	116.7	810		1218.6		76	4.8		500	138.9	171		290.2		80.2	3.5	
		460	127.8	781		1253.8		78	6.0		550	152.8	165		316.7		78	3.9	
	10	340	94.4	976	1480	1204.5	1600	75	3.6	4	450	125	234	1480	367.5	500	78	3.1	
		420	116.7	900		1353.9		76	4.8		500	138.9	228		386.9		80.2	3.5	
		460	127.8	868		1393.2		78	6.0		550	152.8	220		422.3		78	3.9	
	11	340	94.4	1074	1480	1325.4	1600	75	3.6	5	450	125	293	1480	460.2	630	78	3.1	
		420	116.7	990		1489.3		76	4.8		500	138.9	285		483.7		80.2	3.5	
		460	127.8	955		1533.2		78	6.0		550	152.8	275		527.9		78	3.9	
D450-60 MD450-60 DF450-60	2	335	93.1	130	1480	164.7	250	72	3.8	MDS500-57 DFS500-57	6	450	125	351	1480	551.3	710	78	3.1
		450	125	120		186.1		79	4.9			500	138.9	342		580.4		80.2	3.5
		500	138.9	114		198.9		78	6.0			550	152.8	330		633.4		78	3.9
	3	335	93.1	195	1480	247.0	355	72	3.8		7	450	125	410	1480	643.9	800	78	3.1
		450	125	180		279.1		79	4.9			500	138.9	399		677.2		80.2	3.5
		500	138.9	171		298.4		78	6.0			550	152.8	385		739.0		78	3.9
	4	335	93.1	260	1480	329.3	500	72	3.8		8	450	125	468	1480	735.0	900	78	3.1
		450	125	240		372.2		79	4.9			500	138.9	456		773.9		80.2	3.5
		500	138.9	228		397.9		78	6.0			550	152.8	440		844.6		78	3.9
	5	335	93.1	325	1480	411.6	630	72	3.8		9	450	125	527	1480	827.7	1120	78	3.1
		450	125	300		465.2		79	4.9			500	138.9	513		870.6		80.2	3.5
		500	138.9	285		497.3		78	6.0			550	152.8	495		950.2		78	3.9
	6	335	93.1	390	1480	494.0	710	72	3.8		10	450	125	585	1480	918.8	1250	78	3.1
		450	125	360		558.2		79	4.9			500	138.9	570		967.4		80.2	3.5
		500	138.9	342		596.8		78	6.0			550	152.8	550		1055.7		78	3.9
	7	335	93.1	455	1480	576.3	800	72	3.8	D550-50 MD550-50 DF550-50	2	450	125	108	1480	170	250	78	4.0
		450	125	420		651.3		79	4.9			550	152	100		187		80	5.1
		500	138.9	399		696.3		78	6.0			630	175	88		196		77	6.3
	8	335	93.1	520	1480	658.6	900	72	3.8		3	450	125	162	1480	254	355	78	4.0
		450	125	480		744.3		79	4.9			550	152	150		281		80	5.1
		500	138.9	456		795.7		78	6.0			630	175	132		294		77	6.3
	9	335	93.1	585	1480	741.0	1000	72	3.8		4	450	125	216	1480	339	500	78	4.0
		450	125	540		837.3		79	4.9			550	152	200		374		80	5.1
		500	138.9	513		895.2		78	6.0		5	450	125	270	1480	424	630	78	4.0
	10	335	93.1	650	1480	823.3	1120	72	3.8			550	152	250		468		80	5.1
		450	125	600		930.4		79	4.9			630	175	220		490		77	6.3
		500	138.9	570		994.7		78	6.0			630	175	220	1480	490		78	4.0
DS450-60 MDS450-60 DFS450-60	2	335	93.1	130	1480	164.7	250	72	2.5	D550-50 MD550-50 DF550-50	6	450	125	324	1480	509	710	78	4.0
		450	125	120		186.1		79	3.2			550	152	300		561		80	5.1
		500	138.9	114		198.9		78	3.6			630	175	264		588		77	6.3
	3	335	93.1	195	1480	247.0	355	72	2.5		7	450	125	378	1480	594	800	78	4.0
		450	125	180		279.1		79	3.2			550	152	350		655		80	5.1
		500	138.9	171		298.4		78	3.6			630	175	308		686		77	6.3
	4	335	93.1	260	1480	329.3	500	72	2.5		8	450	125	432	1480	678	1000	78	4.0
		450	125	240		372.2		79	3.2			550	152	400		749		80	5.1
		500	138.9	228		397.9		78	3.6			630	175	352		784		77	6.3
	5	335	93.1	325	1480	411.6	630	72	2.5		9	450	125	486	1480	763	1120	78	4.0
		450	125	300		465.2		79	3.2			550	152	450		842		80	5.1
		500	138.9	285		497.3		78	3.6			630	175	396		882		77	6.3
	6	335	93.1	390	1480	494.0	710	72	2.5		10	450	125	540	1480	848	1250	78	4.0
450		125	360	558.2		79		3.2	550	152		500	936	80		5.1			
500		138.9	342	596.8		78		3.6	630	175		440	980	77		6.3			
D500-57 MD500-57 DF500-57	7	335	93.1	455	1480	576.3	800	72	2.5	MDS550-50 DFS550-50	2	450	125	108	1480	170	250	78	3.0
		450	125	420		651.3		79	3.2			550	152	100		187		80	3.8
		500	138.9	399		696.3		78	3.6			630	175	88		196		77	4.3
	8	335	93.1	520	1480	658.6	900	72	2.5		3	450	125	162	1480	254	355	78	3.0
		450	125	480		744.3		79	3.2			550	152	150		281		80	3.8
		500	138.9	456		795.7		78	3.6			630	175	132		294		77	4.3
	9	335	93.1	585	1480	741.0	1000	72	2.5		4	450	125	216	1480	339	500	78	3.0
		450	125	540		837.3		79	3.2			550	152	200		374		80	3.8
		500	138.9	513		895.2		78	3.6			630	175	176		392		77	4.3
	10	335	93.1	650	1480	823.3	1120	72	2.5		5	450	125	270	1480	424	630	78	3.0
		450	125	600		930.4		79	3.2			550	152	250		468		80	3.8
		500	138.9	570		994.7		78	3.6			630	175	220		490		77	4.3
	D500-57 MD500-57 DF500-57	2	450	125	117	1480	183.8	250	78		4.4	MDS550-50 DFS550-50	6	450	125	324	1480	509	710
500			138.9	114	193.5		80.2		5.2	550	152			300	561	80		3.8	
550			152.8	110	211.1		78		6.2	630	175			264	588	77		4.3	
3		450	125	176	1480	276.4	355	78	4.4	7	450		125	378	1480	594	800	78	3.0
		500	138.9	171		290.2		80.2	5.2		550		152	350		655		80	3.8
		550	152.8	165		316.7		78	6.2		630		175	308		686		77	4.3
4		450	125	234	1480	367.5	500	78	4.4	8	450		125	432	1480	678	1000	78	3.0
		500	138.9	228		386.9		80.2	5.2		550		152	400		749		80	3.8
		550	152.8	220		422.3		78	6.2		630		175	352		784		77	4.3
5		450	125	293	1480	460.2	630	78	4.4	9	450		125	486	1480	763	1120	78	3.0
		500	138.9	285		483.7		80.2	5.2		550		152	450		842		80	3.8
		550	152.8	275		527.9		78	6.2		630		175	396		882		77	4.3
6		450	125	351	1480	551.3	710	78	4.4	10	450		125	540	1480	848	1250	78	3.0
	500	138.9	342	580.4		80.2		5.2	550		152	500	936	80		3.8			
	550	152.8	330	633.4		78		6.2	630		175	440	980	77		4.3			
7	450	125	410	1480	643.9	800	78	4.4	11	450	125	585	1480	918.8	1250	78	4.4		
	500	138.9	399		677.2		80.2	5.2		550	152	550		1055.7		78	3.9		
	550	152.8	385		739.0		78	6.2		630	175	440		980		77	4.3		

Model	Number of stage	Capacity		Head	Rotation Speed r/min	Shaft Power kW	Power kW	Efficiency %	NPSHr m	Model	Number of stage	Capacity		Head	Rotation Speed r/min	Shaft Power kW	Power kW	Efficiency %	NPSHr m				
		m³/h	L/s									m³/h	L/s										
D580-60 MD580-60 DF580-60	2	480	133.3	130	1480	215	315	79	4.0	DS600-60 MDS600-60 DFS600-60	5	500	139	325	1480	560	710	79	3.3				
		580	161.1	120		231						82	5.4	600		167				300	598	82	3.8
		640	177.8	110		240						80	6.1	660		183				275	618	80	4.2
	3	480	133.3	195	1480	232	450	79	4.0		6	500	139	390	1480	672	900	79	3.3				
		580	161.1	180		247						82	5.4	600		167				360	717	82	3.8
		640	177.8	165		359						80	6.1	660		183				330	741	80	4.2
	4	480	133.3	260	1480	430	560	82	5.4		7	500	139	455	1480	784	1000	79	3.3				
		580	161.1	240		462						80	6.1	600		167				420	837	82	3.8
		640	177.8	220		479						80	6.1	660		183				385	865	80	4.2
	5	480	133.3	325	1480	538	710	79	4.0		8	500	139	520	1480	896	1120	79	3.3				
		580	161.1	300		578						82	5.4	600		167				480	956	82	3.8
		640	177.8	275		599						80	6.1	660		183				440	988	80	4.2
	6	480	133.3	390	1480	645	900	79	4.0		9	500	139	585	1480	1008	1250	79	3.3				
		580	161.1	360		693						82	5.4	600		167				540	1076	82	3.8
		640	177.8	330		719						80	6.1	660		183				495	1112	80	4.2
	7	480	133.3	455	1480	753	1000	79	4.0		10	500	139	650	1480	1120	1400	79	3.3				
		580	161.1	420		809						82	5.4	600		167				600	1195	82	3.8
		640	177.8	385		838						80	6.1	660		183				550	1235	80	4.2
	8	480	133.3	520	1480	860	1120	79	4.0		2	600	166.7	126	1480	361	355	79	5.3				
		580	161.1	480		924						82	5.4	720		200				120	285	82.5	6.3
		640	177.8	440		958						80	6.1	800		222.2				114	307	81	6.8
	9	480	133.3	585	1480	968	1250	79	4.0		3	600	166.7	189	1480	391	560	79	5.3				
		580	161.1	540		1040						82	5.4	720		200				180	428	82.5	6.3
		640	177.8	495		1078						80	6.1	800		222.2				171	460	81	6.8
	10	480	133.3	650	1480	1075	1400	79	4.0		4	600	166.7	252	1480	521	710	79	5.3				
		580	161.1	600		1155						82	5.4	720		200				240	570	82.5	6.3
		640	177.8	550		1198						80	6.1	800		222.2				228	613	81	6.8
DS580-60 DFS580-60	2	480	133.3	130	1480	215	315	79	3.2	D720-60 MD720-60 DF720-60	5	600	166.7	315	1480	651	900	79	5.3				
		580	161.1	120		231						82	3.8	720		200				300	713	82.5	6.3
		640	177.8	110		240						80	4.2	800		222.2				285	766	81	6.8
	3	480	133.3	195	1480	232	450	79	3.2		6	600	166.7	378	1480	782	1120	79	5.3				
		580	161.1	180		247						82	3.8	720		200				360	856	82.5	6.3
		640	177.8	165		359						80	4.2	800		222.2				342	920	81	6.8
	4	480	133.3	260	1480	430	560	79	3.2		7	600	166.7	441	1480	912	1250	79	5.3				
		580	161.1	240		462						82	3.8	720		200				420	998	82.5	6.3
		640	177.8	220		479						80	4.2	800		222.2				399	1073	81	6.8
	5	480	133.3	325	1480	538	710	79	3.2		8	600	166.7	504	1480	1042	1400	79	5.3				
		580	161.1	300		578						82	3.8	720		200				480	1141	82.5	6.3
		640	177.8	275		599						80	4.2	800		222.2				456	1226	81	6.8
	6	480	133.3	390	1480	645	900	79	3.2		9	600	166.7	567	1480	1172	1600	79	5.3				
		580	161.1	360		693						82	3.8	720		200				540	1283	82.5	6.3
		640	177.8	330		719						80	4.2	800		222.2				513	1379	81	6.8
	7	480	133.3	455	1480	753	1000	79	3.2		10	600	166.7	630	1480	1303	1800	79	5.3				
		580	161.1	420		809						82	3.8	720		200				600	1426	82.5	6.3
		640	177.8	385		838						80	4.2	800		222.2				570	1533	81	6.8
	8	480	133.3	520	1480	860	1120	79	3.2		2	600	166.7	126	1480	361	355	79	3.7				
		580	161.1	480		924						82	3.8	720		200				120	285	82.5	4.5
		640	177.8	440		958						80	4.2	800		222.2				114	307	81	5.1
	9	480	133.3	585	1480	968	1250	79	3.2		3	600	166.7	189	1480	391	560	79	3.7				
		580	161.1	540		1040						82	3.8	720		200				180	428	82.5	4.5
		640	177.8	495		1078						80	4.2	800		222.2				171	460	81	5.1
	10	480	133.3	650	1480	1075	1400	79	3.2		4	600	166.7	252	1480	521	710	79	3.7				
580		161.1	600	1155		82				3.8		720	200	240		570				82.5	4.5		
640		177.8	550	1198		80				4.2		800	222.2	228		613				81	5.1		
D600-60 MD600-60 DF600-60	2	500	139	130	1480	224	315	79	4.1	DS720-60 MDS720-60 DFS720-60	5	600	166.7	315	1480	651	900	79	3.7				
		600	167	120		239						82	5.5	720		200				300	713	82.5	4.5
		660	183	110		247						80	6.2	800		222.2				285	766	81	5.1
	3	500	139	195	1480	336	450	79	4.1		6	600	166.7	378	1480	782	1120	79	3.7				
		600	167	180		359						82	5.5	720		200				360	856	82.5	4.5
		660	183	165		371						80	6.2	800		222.2				342	920	81	5.1
	4	500	139	260	1480	448	560	79	4.1		7	600	166.7	441	1480	912	1250	79	3.7				
		600	167	240		478						82	5.5	720		200				420	998	82.5	4.5
		660	183	220		494						80	6.2	800		222.2				399	1073	81	5.1
	5	500	139	325	1480	560	710	79	4.1		8	600	166.7	504	1480	1042	1400	79	3.7				
		600	167	300		598						82	5.5	720		200				480	1141	82.5	4.5
		660	183	275		618						80	6.2	800		222.2				456	1226	81	5.1
	6	500	139	390	1480	672	900	79	4.1		9	600	166.7	567	1480	1172	1600	79	3.7				
		600	167	360		717						82	5.5	720		200				540	1283	82.5	4.5
		660	183	330		741						80	6.2	800		222.2				513	1379	81	5.1
	7	500	139	455	1480	784	1000	79	4.1		10	600	166.7	630	1480	1303	1800	79	3.7				
		600	167	420		837						82	5.5	720		200				600	1426	82.5	4.5
		660	183	385		865						80	6.2	800		222.2				570	1533	81	5.1
	8	500	139	520	1480	896	1120	79	4.1		2	680	189	144	1480	337	450	79	5.4				
		600	167	480		956						82	5.5	800		222				140	372	82	6.5
		660	183	440		988						80	6.2	900		250				136	417	80	7.5
9	500	139	585	1480	1008	1250	79	4.1	3	680	189	216	1480	506	710	79	5.4						
	600	167	540		1076					82	5.5	800		222				210	558	82	6.5		
	660	183	495		1112					80	6.2	900		250				204	625	80	7.5		
10	500	139	650	1480	1120	1400	79	4.1	4	680	189	288	1480	675	900	79	5.4						
	600	167	600		1195					82	5.5	800		222				280	744	82	6.5		
	660	183	550		1235					80	6.2	900		250				272	833	80	7.5		
DS600-60 MDS600-60 DFS600-60	2	500	139	130	1480	224	315	79	3.3	D800-70 MD800-70 DF800-70	5	680	189	360	1480	844	1250	79	5.4				
		600	167	120		239						82	3.8	800		222				350	930	82	6.5
		660	183	110		247						80	4.2	900		250				340	1041	80	7.5
	3	500	139	195	1480	336	450	79	3.3		6	680	189	432	1480	1012	1400	79	5.4				
		600	167	180		359						82	3.8	800		222				420	1115	82	6.5
		660	183	165		371						80	4.2	900		250				408	1250	80	7.5
	4	500	139	260	1480	448	560	79	3.3		7	680	189	504	1480	1181	1600	79	5.4				
600		167	240	478		82				3.8		800	222	490		1301				82	6.5		
		660	183	220		494		80	4.2		8	900	250	476		1458	80	7.5					
												680	189	576	1480	1350	79	5.4					
												800	222	560	1480	1487	82	6.5					
												900	250	544		1666	80	7.5					

Model	Number of stage	Capacity		Head	Rotation Speed	Shaft Power	Power	Efficiency	NPSHr	Model	Number of stage	Capacity		Head	Rotation Speed	Shaft Power	Power	Efficiency	NPSHr
		m³/h	L/s									m³/h	L/s						
DS800-70 MDS800-70 DFS800-70	2	680	189	144	1480	337	450	79	4.2	D1000-72 MD1000-72 DF1000-72	6	800	222	483	1480	1315	1600	80	6.7
		800	222	140		372		82	4.7			1000	278	432		1400		84	7.7
		900	250	136		417		80	5.2			1200	333	372		1500		81	9.2
	3	680	189	216	1480	506	710	79	4.2		7	800	222	563.5	1480	1534	1800	80	6.7
		800	222	210		558		82	4.7			1000	278	504		1633		84	7.7
		900	250	204		625		80	5.2			1200	333	434		1750		81	9.2
	4	680	189	288	1480	675	900	79	4.2		8	800	222	644	1480	1753	2240	80	6.7
		800	222	280		744		82	4.7			1000	278	576		1867		84	7.7
		900	250	272		833		80	5.2			1200	333	496		2000		81	9.2
	5	680	189	360	1480	844	1250	79	4.2	DS1000-72 MDS1000-72 DFS1000-72	2	800	222	161	1480	438	630	80	4.5
		800	222	350		930		82	4.7			1000	278	144		467		84	5.3
		900	250	340		1041		80	5.2			1200	333	124		500		81	6.3
	6	680	189	432	1480	1012	1400	79	4.2		3	800	222	241.5	1480	657	800	80	4.5
		800	222	420		1115		82	4.7			1000	278	216		700		84	5.3
		900	250	408		1250		80	5.2			1200	333	186		750		81	6.3
	7	680	189	504	1480	1181	1600	79	4.2		4	800	222	322	1480	877	1120	80	4.5
		800	222	490		1301		82	4.7			1000	278	288		933		84	5.3
		900	250	476		1458		80	5.2			1200	333	248		1000		81	6.3
	8	680	189	576	1480	1350	1800	79	4.2		5	800	222	402.5	1480	1096	1400	80	4.5
		800	222	560		1487		82	4.7			1000	278	360		1167		84	5.3
		900	250	544		1666		80	5.2			1200	333	310		1250		81	6.3
D1000-72 MD1000-72 DF1000-72	2	800	222	161	1480	438	630	80	6.7		6	800	222	483	1480	1315	1600	80	4.5
		1000	278	144		467		84	7.7			1000	278	432		1400		84	5.3
		1200	333	124		500		81	9.2			1200	333	372		1500		81	6.3
	3	800	222	241.5	1480	657	800	80	6.7		7	800	222	563.5	1480	1534	1800	80	4.5
		1000	278	216		700		84	7.7			1000	278	504		1633		84	5.3
		1200	333	186		750		81	9.2			1200	333	434		1750		81	6.3
	4	800	222	322	1480	877	1120	80	6.7		8	800	222	644	1480	1753	2240	80	4.5
		1000	278	288		933		84	7.7			1000	278	576		1867		84	5.3
		1200	333	248		1000		81	9.2			1200	333	496		2000		81	6.3
	5	800	222	402.5	1480	1096	1400	80	6.7										
		1000	278	360		1167		84	7.7										
		1200	333	310		1250		81	9.2										

Installation Dimension Diagram and Installation Dimension Table

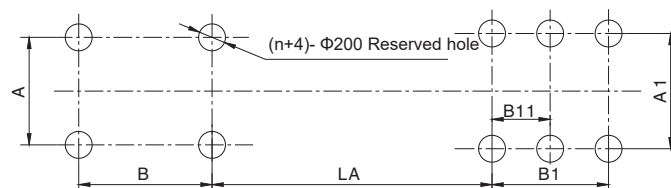
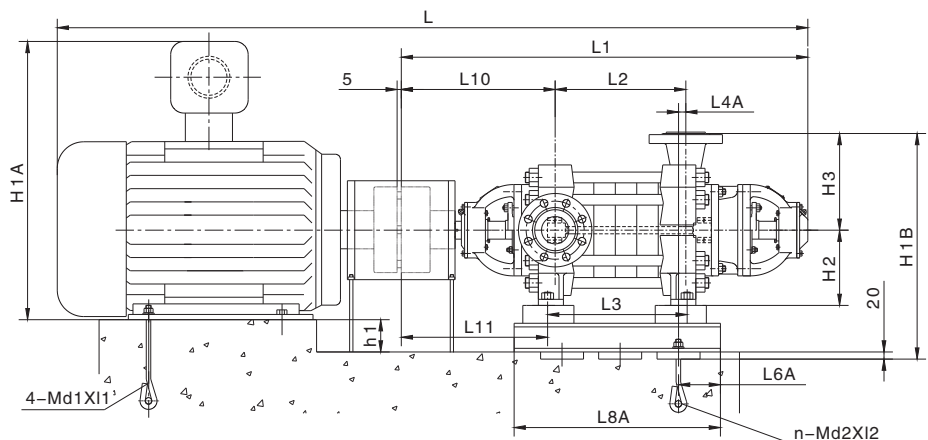
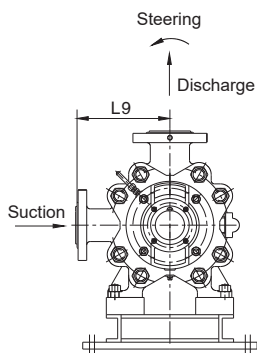
13.1 Installation dimensions with common base



Pump Model	Number of pump stages	Installation dimensions of common base mm																			Motor		
		L	L1	L2	L4	L5	L6	L7	L8	L9	L10	L11	H	H1	H2	H3	B1	B2	n	Md*I	Pump weight	Model	kW
D6-25 MD6-25 DF6-25	2	1081	636	130	76	-	110	550	720	170	264	264	405	410	150	170	390	390	4	M20*300	75	YB3100L-2-380V	3
	3	1181	686	180	86		130	550	845					85							YB3132S1-2-380V	5.5	
	4	1231	736	230	96		140	600	905					95							YB3132S2-2-380V	7.5	
	5	1281	786	280	136		170	600	935					105							YB3132S2-2-380V	7.5	
	6	1493	836	330	135		170	735	1100					115							YB3160M1-2-380V	11	
	7	1543	886	380	185		225	735	1155					125							YB3160M1-2-380V	11	
	8	1593	936	430	185		230	785	1210			135	YB3160M2-2-380V	15									
	9	1643	986	480	235		270	785	1250			145	YB3160M2-2-380V	15									
	10	1733	1036	530	220		250	1345	155			YB3160L-2-380V	18.5										
	11	1783	1086	580	265		295	885	1390			165	YB3160L-2-380V	18.5									
	12	1833	1136	630	315		345	1440	175			YB3160L-2-380V	18.5										
	D12-25 MD12-25 DF12-25	2	1131	636	130		59	-	95			580	785	170	264	264	405	523			150	170	395
3		1181	686	180	89	125	600		835	85	YB3132S2-2-380V	7.5											
4		1393	736	230	114	150	660		1005	95	YB3160M1-2-380V	11											
5		1443	786	280	145	175	680		1050	105	YB3160M1-2-380V	11											
6		1493	836	330	185	215	690		1100	115	YB3160M2-2-380V	15											
7		1543	886	380	195	225	730		1150	125	YB3160M2-2-380V	15											
8		1633	936	430	220	250	780		1245	135	YB3160L-2-380V	18.5											
9		1683	986	480	250	280	800		1295	145	YB3160L-2-380V	18.5											
10		1771	1036	530	280	310	820		1350	155	YB3180M-2-380V	22											
11		1821	1086	580	300	330	850		1400	165	YB3180M-2-380V	22											
12		1946	1136	630	325	355	930		1530	175	YB3200L1-2-380V	30											
D15-50 MD15-50 DF15-50		2	1486	881	185	77	-		110	750	1041	270	355			333	580	535	210	270	470	470	4
	3	1591	941	245	107	140		805	1145	225	YB3160L-2-380V			18.5									
	4	1676	1001	305	142	175		830	1210	250	YB3180M-2-380V			22									
	5	1841	1061	365	167	200		910	1352	275	YB3200L1-2-380V			30									
	6	1901	1121	425	197	230		940	1412	300	YB3200L1-2-380V			30									

Pump Model	Number of pump stage	Installation dimensions of common base mm																			Motor						
		L	L1	L2	L4	L5	L6	L7	L8	L9	L10	L11	H	H1	H2	H3	B1	B2	n	Md*1	Pump weight	Model	kW				
D15-50 MD15-50 DF15-50	7	1961	1181	485	227		260	970	1472	270	355	333	617	622	210	270	470	470	4	M20*300	325	YB3200L2-2-380V	37				
	8	2061	1241	545	264	-	297	1020	1553				630	665			530	530			350	YB3225M-2-380V	45				
	9	2121	1301	605	294		327	1050	1613												375	YB3225M-2-380V	45				
	10	2296	1361	665	319	520	352	1145	1772				660	715			510	570			400	YB3250M-2-380V	55				
	11	2356	1421	725	349	535	382	1175	1832												425	YB3250M-2-380V	55				
	12	2486	1481	785	379	620	412	1235	1962				690	780			640			450	YB3280S-2-380V	75					
D25-30 MD25-30 DF25-30	2	1467	808	165	70		116	770	1032	210	344	333	470	620	170	210	440	440	4	M20*300	165	YB3160M1-2-380V	11				
	3	1532	873	230	70		116	835	1097				470	620							180	YB3160M2-2-380V	15				
	4	1637	938	295	135		181	835	1206				470	620							195	YB3160L-2-380V	18.5				
	5	1737	1003	360	175		221	890	1277				488	648							210	YB3180M-2-380V	22				
	6	1877	1068	425	210	-	256	965	1423				508	743			225	YB3200L1-2-380V			30						
	7	1942	1133	490	210		256	1030	1488				508	743			240	YB3200L1-2-380V			30						
	8	2007	1198	555	305		351	996	1553				545	780			255	YB3200L2-2-380V			37						
	9	2072	1263	620	305		351	1031	1618				545	780			270	YB3200L2-2-380V			37						
	10	2192	1328	685	358		404	1031	1711			570	825			450	450			285	YB3225M-2-380V	45					
D25-50 MD25-50 DF25-50	2	1581	881	185	162		195	745	1085	270	355	333		670	210	270	435	380	4	M20 x 300	200	YB3160L-2-380V	18.5				
	3	1676	941	245	117		150	840	1150				580	680			490	490			225	YB3180M-2-380V	22				
	4	1811	1001	305	174	-	207	905	1292					755			500	500			250	YB3200L1-2-380V	30				
	5	1871	1061	365	204		237	935	1352				617	792			510	510			275	YB3200L2-2-380V	37				
	6	1986	1121	425	220		253	985	1433				630	825			540	540			300	YB3225M-2-380V	45				
	7	2131	1181	485	254	540	287	1075	1592				660	860				550			325	YB3250M-2-380V	55				
	8	2256	1241	545	281	675	314	1140	1722								490				350	YB3280S-2-380V	75				
	9	2316	1301	605	311	690	344	1170	1782				690	930			530	650			375	YB3280S-2-380V	75				
	10	2376	1361	665	341	705	374	1200	1842												400	YB3280S-2-380V	75				
	11	2486	1421	725	371	750	404	1265	2024								425	YB3280M-2-380V			90						
	12	2546	1481	785	401	765	434	1295	2084			450	YB3280M-2-380V	90													
D35-50 DF35-50	2	1689	954	200	117		150	800	1222	270	382	360	605	610	210	270	500	500	4	M20*300	267	YB3180M-2-380V	22				
	3	1829	1019	265	152	-	185	902	1287				635	670			530	530			286	YB3200L1-2-380V	30				
	4	1949	1084	330	182		215	949	1382				660	715			510	600			305	YB3225M-2-380V	45				
	5	2099	1149	395	222		255	1000	1540				690	780				620			324	YB3250M-2-380V	55				
	6	2229	1214	460	257	515	290	1060	1672								530	720			343	YB3280S-2-380V	75				
	7	2294	1279	525	292	520	325	1090	1787				730	820							365	YB3280S-2-380V	75				
	8	2409	1344	590	327	545	360	1120	1852												390	YB3280M-2-380V	90				
	9	2474	1409	655	372	580	405	1170	1976												420	YB3280M-2-380V	90				
	10	2729	1474	720	407	600	440	1200	2082				770	1050							450	YB3315S-2-380V	110				
	11	2794	1539	785	442	620	475	1240	2147												480	YB3315S-2-380V	110				
		12	2929	1604	850	469	635	510	1270				2272					510			YB3315M-2-380V	132					
D46-30 MD46-30 DF46-30	2	1467	808	165	70		116	770	1032	210	344	333	470	620	170	210	440	440	4	M20*300	160	YB3160M2-2-380V	15				
	3	1607	873	230	110		156	825	1147				488	648							450	450			175	YB3180M-2-380V	22
	4	1747	938	295	145		191	900	1293				508	743											190	YB3200L1-2-380V	30
	5	1812	1003	360	175		221	931	1358				545	780											205	YB3200L2-2-380V	37
	6	1877	1068	425	240	-	286	931	1423				545	780			220	YB3200L2-2-380V							37		
	7	1997	1133	490	228		274	966	1515				570	825			235	YB3225M-2-380V							45		
	8	2147	1198	555	273		322	1070	1677				600	860			470	560			250	YB3250M-2-380V	55				
	9	2212	1263	620	338		387	1070	1742				600	860				562			265	YB3250M-2-380V	55				
		10	2342	1328	685	324		373	1200				1880	635			935	530			615	280	YB3280S-2-380V	75			
D46-50 MD46-50 DF46-50	2	1691	881	185	102		135	845	1180	270	355	333	605	780	210	270	500	500	4	M20*300	237	YB3200L1-2-380V	30				
	3	1751	941	245	132	-	165	875	1240				635	830			530	530			256	YB3200L2-2-380V	37				
	4	1866	1001	305	157		190	922	1330				660	860			510	600			275	YB3225M-2-380V	45				
	5	2011	1061	365	194		227	970	1482				690	930				620			294	YB3250M-2-380V	55				
	6	2136	1121	425	224	515	257	1030	1610								530	720			313	YB3280S-2-380V	75				
	7	2246	1181	485	254	530	287	1060	1720				730	970							332	YB3280M-2-380V	90				
	8	2409	1344	590	327	545	360	1120	1852				390	YB3280M-2-380V	90												
	9	2664	1409	655	372	580	405	1170	1976				420	YB3315S-2-380V	110												
	10	2799	1474	720	407	620	440	1240	2082				450	YB3315M-2-380V	132												
	11	2864	1539	785	442	620	475	1270	2147				480	YB3315M-2-380V	132												
		12	3019	1604	850	469	635	510	1300		2272			510	YB3315L1-2-380V	160											
	D48-50 MD48-50 DF48-50	2	1764	954	200	117		150	872		1222	270	382	360	605	610	210	270	500	500	4	M20*300	267	YB3200L1-2-380V	30		
3		1829	1019	265	152	-	185	902	1287	635	670				530	530			286	YB3200L2-2-380V			37				
4		1949	1084	330	182		215	949	1382	660	715				510	600			305	YB3225M-2-380V			45				
5		2099	1149	395	222		255	1000	1540	660	780				510	600			324	YB3250M-2-380V			55				
6		2229	1214	460	257	515	290	1060	1672	690	780				530	620			343	YB3280S-2-380V			75				
7		2344	1279	525	292	530	325	1090	1787	730	820				530	660			365	YB3280M-2-380V			90				

Pump Model	Number of pump stage	Installation dimensions of common base mm																	Motor				
		L	L1	L2	L4	L5	L6	L7	L8	L9	L10	L11	H	H1	H2	H3	B1	B2	n	Md"l	Pump weight	Model	kW
D48-50 MD48-50 DF48-50	8	2409	1344	590	327	545	360	1120	1852	270	382	360	730	820	210	270	530	660	6	M20*300	390	YB3280M-2-380V	90
	9	2664	1409	655	372	580	405	1170	1976				770	1050				720			420	YB315S-2-380V	110
	10	2799	1474	720	407	620	440	1240	2082				770	1050				720			450	YB315M-2-380V	132
	11	2864	1539	785	442	620	475	1270	2147				785	720				480			YB315M-2-380V	132	
	12	3019	1604	850	469	635	510	1300	2272				785	720				510			YB315L1-2-380V	160	
D85-45 MD85-45 DF85-45	2	1725	915	203	98	-	157	860	1215	250	355	333	600	795	210	250	530	530	4	M20*300	230	YB3200L2-2-380V	37
	3	1939	989	277	134	-	190	985	1412				645	865			510	600			248	YB3250M-2-380V	55
	4	2078	1063	351	168	600	230	1055	1565				675	935			510	630			265	YB3280S-2-380V	75
	5	2202	1137	425	208	600	270	1110	1688				715	975			560	670			285	YB3280M-2-380V	90
	6	2466	1211	499	243	720	310	1175	1798				755	1210			560	710			303	YB315S-2-380V	110
	7	2610	1285	573	283	745	350	1235	1923				755	1210			560	710			320	YB315M-2-380V	132
	8	2684	1359	647	322	745	389	1270	1997				755	1210			560	710			340	YB315M-2-380V	132
	9	2848	1433	721	361	770	428	1330	2123				755	1210			560	710			360	YB315L1-2-380V	160
	D85-67 MD85-67 DF85-67	2	2195	1180	283	150	-	204	1135				1620	350			470	464			805	965	270
3		2333	1268	371	196	-	250	1202	1758	845	1200	660	590		YB3280M-2-380V	90							
4		2611	1356	459	236	-	290	1259	1881	845	1200	660	640		YB315S-2-380V	110							
5		2769	1444	547	278	-	332	1330	2084	865	680	6	690		YB315M-2-380V	132							
6		2947	1532	635	326	800	380	1395	2157	865	680	6	740		YB315L1-2-380V	160							
D100-50 MD100-50 DF100-50	2	2131	1181	283	150	-	204	1047	1536	350	470	464	760	880	270	350	540	600	4	M24*300	550	YB3250M-2-380V	55
	3	2284	1269	371	187	-	241	1154	1707				805	965			650	600			YB3280S-2-380V	75	
	4	2422	1357	459	206	801	260	1280	1846				805	965			650	650			YB3280M-2-380V	90	
	5	2770	1445	547	269	622	323	1344	1969				845	1200			660	700			YB315M-2-380V	132	
	6	2858	1533	635	280	615	334	1417	2107				845	1200			660	750			YB315M-2-380V	132	
	7	3036	1621	723	327	800	381	1482	2245				865	1220			680	800			YB315L1-2-380V	160	
	D155-30 MD155-30 DF155-30	2	2149	1199	310	175	610	170	1100				1500	350			470	480			770	890	280
3		2329	1314	425	245	575	240	1150	1680	770	930	640	590		YB3280S-4-380V	75							
4		2494	1429	540	305	620	300	1250	1850	810	970	670	660		YB3280M-4-380V	90							
5		2829	1544	655	355	685	350	1370	2025	850	1205	730	YB315S-4-380V		110								
6		3014	1659	770	420	720	415	1440	2195	850	1205	600	730		YB315M-4-380V	132							
7		3219	1774	885	475	770	470	1525	2420	870	1225	870	YB315L1-4-380V		160								
D155-67 MD155-67 DF155-67		2	2245	1180	283	150	-	204	1160	1670	350	470	464		805	985			270	350	540	650	
	3	2593	1268	371	191	-	245	1241	1843	845				1200	660	600	YB315M-2-380V	132					
	4	2871	1356	459	240	730	294	1338	2080	905				1280	640	780	6	650			YB355S1-2-380V	185	
D/MD/DF200-50	2	2606	1320	367	182	600	209	1201	1831	450	491	521	960	1215	330	450	730	730	6	M24*400	667	YB315S-4-380V	110
	3	2888	1442	489	242	650	269	1273	2038				980	1235			740	740			787	YB315L1-4-380V	160
D/MD/DF245-45	2	2621	1335	375	182	600	209	1209	1821	450	491	521	960	1215	330	450	730	730	6	M24*400	667	YB315S-4-380V	110
	3	2911	1465	505	250	650	277	1281	2054				980	1235			740	740			787	YB315L1-4-380V	160
D/MD/DF280-43	2	2621	1335	375	182	600	209	1209	1821	450	491	521	960	1215	330	450	730	730	6	M24*400	667	YB315S-4-380V	110
	3	2911	1465	505	250	650	277	1281	2054				980	1235			740	740			787	YB315L1-4-380V	160
D/MD/DF360-40	2	2711	1354	399	196	635	225	1250	1895	450	491	521	980	1235	350	450	750	750	6	M30*400	920	YB315M-4-380V	132



Pump Mode	Number of pump stages	Installation dimensions of common base mm																								Motor							
		L	L1	L2	L3	L4A	L6A	L8A	L9	L10	L11	H1A	H1B	H2	H3	h1	A	B	A1	B1	B11	LA	n	Md1 × I1	Md2 × I2	Pump weight	Model	kW					
D25-80 DF25-80	7	2794	1539	615				930				1020	770			105	508	508		730		888	400	M24 × 500	M24 × 500	1437	YB315S-2-380V	110					
	8	2943	1618	694				1010				1020	770			105	508	508		810		888	400			1510	YB315M-2-380V	132					
	9	3112	1697	773	-	35	110	1090	350	475	512			280	350				550	890	-	1017	860			1583	YB315L1-2-380V	160					
	10	3291	1776	852									970			1656	YB355S1-2-380V	185															
	11	3270	1855	931						1060	790	85	630	900	1050	1729	YB315L2-2-380V	200															
	12	3349	1934	1010						1330					1130	1802	YB315L2-2-380V	200															
D36-80 DF36-80	7	2864	1539	615				930				1020	770			105	508	508		730		888	400	M24 × 500	M24 × 500	1472	YB315M-2-380V	132					
	8	2943	1618	694				1010				1020	770			105	508	508		810		888	400			1545	YB315M-2-380V	132					
	9	3112	1697	773	-	35	110	1090	350	475	512			280	350				550	890	-	1017	860			1618	YB315L1-2-380V	160					
	10	3291	1776	852									970			1691	YB355S1-2-380V	185															
	11	3270	1855	931						1060	790	85	630	900	1050	1764	YB315L2-2-380V	200															
	12	3349	1934	1010						1330					1130	1837	YB315L2-2-380V	200															
D45-80 MD45-80 DF45-80	6	2775	1460	536				850				1020	770			105	508	508		650		888	400	M24 × 500	M24 × 500	1494	YB315L1-2-380V	160					
	7	2854	1539	615				930				1020	770			105	508	508		730		888	400			1567	YB315L1-2-380V	160					
	8	2933	1618	694				1010						280	350				810							1640	YB315L2-2-380V	200					
	9	3452	1697	773	35	110	1090	350	475	512									550	890	-	1017	860			1713	YB355S1-2-380V	220					
	10	3531	1776	852								970			1786	YB355S1-2-380V	220																
	11	3610	1855	931					1060	790	85	630	900	1050	1859	YB355S1-2-380V	250																
12	3689	1934	1010					1330					1130	1932	YB355S1-2-380V	280																	
D65-80 DF65-80	7	3455	1700	630				1100				1060				85	630	900						M24 × 500	M24 × 500	1567	YB355S1-2-380V	220					
	8	3535	1780	710				1180						280	360				630	900	-	1340	860			1640	YB355S1-2-380V	250					
	9	3615	1860	790	-	35	110	1260	360	545	512		800																1713	YB355S1-2-380V	280		
	10	3695	1940	870						1340					40																1786	YB4001-2-6kV	315
	11	3775	2020	950						1420				1140	40	710	1000													1859	YB4001-2-6kV	315	
	12	3855	2100	1030						1500					820				60										M30 × 630	M30 × 630	1932	YB4002-2-6kV	355
D65-120 DF65-120	7	3993	2238	748				1168				1060	1030			235	630	900		650		1066	755	M24*500	M30*630	2885	YB4003-2-6kV	400					
	8	4209	2324	834				1254					1030			190			710	735							3035	YB4004-2-6kV	450				
	9	4295	2410	920	-	5	110	1340	440	732	681	1180		380	440				820		-	1126	800			M30*630	3185	YB4501-2-6kV	500				
	10	4381	2496	1006						1426				1050	210	710	1000		905											3335	YB4502-2-6kV	560	
	11	4467	2582	1092						1512								720	990											3485	YB4503-2-6kV	630	
	12	4673	2668	1178						1598				1320				160									1075		1191		3635	YB4503-2-6kV	630
D85-67 MD85-67 DF85-67	6	2947	1532	635	635			755				1020				135	508	508		555		865	4	M24*300	M24*300	740	YB315L1-2-380V	160					
	7	3035	1620	723	723	46	100	843	350	470	464		820	270	350				643		-	903				790	YB315L2-2-380V	200					
	8	3283	1708	811	811												540	731									840	YB355M1-2-380V	220				
	9	3371	1796	899	899					1019				1080			95	610	560	819								890	YB355M2-2-380V	250			
	D85-80 MD80-80 DF85-80	7	3703	1592	630			670			820				1060				165	630						900		670		861	4	M24*300	M30*500
8		3783	1672	710	750			900											750		-	917	1640	YB355S1-2-380V	280								
9		4063	1752	790	830	15	75	980	360	485	460		900	320	360				830						1713	YB4002-2-6kV	355						
10		4143	1832	870	910					1060				1140			120	710	1000	910						1786	YB4002-2-6kV	355					
11		4223	1912	950	990					1140										990						1859	YB4003-2-6kV	400					
12		4303	1992	1030	1070					1220											1070				1932	YB4004-2-6kV	450						
D85-120 DF85-120	7	3993	2238	748				1168				1060	1030			235	630	900	710	650		1066	755	M24*500	M30*630	2885	YB4003-2-6kV	400					
	8	4209	2324	834				1254					1030			190			710	735							3035	YB4004-2-6kV	450				
	9	4295	2410	920	-	5	110	1340	440	732	681	1180		380	440				820		-	1126	800			M30*630	3185	YB4501-2-6kV	500				
	10	4381	2496	1006						1426				1050	210	710	1000		905											3335	YB4502-2-6kV	560	
	11	4467	2582	1092						1512								720	990											3485	YB4503-2-6kV	630	
	12	4673	2668	1178						1598				1320				160	800	1120							720	1075		1191	840	3635	YB4504-2-6kV
D100-50 MD100-50 DF100-50	7	3036	1621	723	723			843				1020				160	508	508		643		865	4	M24*300	M24*300	800	YB315L1-2-380V	160					
	8	3124	1709	811	811	46	100	931											731		-	903				850	YB315L2-2-380V	200					
	9	3212	1797	899	899					1019	350	470	464		845	270	350									819			900	YB315L2-2-380V	200		
	10	3460	1885	987	987					1107										907									950	YB355M2-2-380V	250		
	11	3548	1973	1075	1075					1195				1080			120	610	610							995				1000	YB355M2-2-380V	250	
	12	3756	2061	1163	1163					1283																1083				1050	YB355L1-2-380V	280	
D125-70 DF125-70	4	2871	1356	459	459			579					820			135	508	508		379		865	4	M24*300	M24*300	650	YB315L1-2-380V	160					
	5	3019	1444	547	547	46	100	667				1080				135			467		-	903				700	YB315L2-2-380V	200					
	6	3227	1532	635	635					755	350	470	464				120			555									750	YB355M2-2-380V	250		
	7	3315	1620	723	723					843							120	610	630							643				800	YB355L1-2-380V	280	
	8	3913	1708	811	811					931							120			731									850	YB355L2-2-380V	315		
	9	4001	1796	899	899					1019				1140			75	710	1000	819							959			900	YB4003-2-6kV	355	

Pump Model	Number of pump stages	Installation dimensions of common base mm																						Motor						
		L	L1	L2	L3	L4	L6A	L8A	L9	L10	L11	H1A	H1B	H2	H3	h1	A	B	A1	B1	B11	LA	n	Md1*11	Md2*12	Pump weight	Model	kW		
DS150-100	6	4368	2161	840	895			1035				1140	1150			230	710	1000		895						2735	YB:4003-2-6kV	400		
MDS150-100	7	4598	2281	960	1015			1155									180				1015						2885	YB:4501-2-6kV	500	
DFS150-100	8	4718	2401	1080	1135	20	70	1275	450	754	719				400	500	200	800	1120	780	1135	-	1214	4	M30*500	M36*630	3035	YB:4502-2-6kV	560	
Sliding bearing structure	9	4838	2521	1200	1255			1395				1250		1170			200				1255						3185	YB:4503-2-6kV	630	
	10	4958	2641	1320	1375			1515									200				1375						3335	YB:4504-2-6kV	710	
D155-30 MD155-30 DF155-30	7	3219	1774	885	810			950												750						870	YB:315L1-4-380V	160		
	8	3334	1889	1000	925	95	100	1065	350	470	480	1020	830	280	350	145	508	508	560	865	-	901	4	M24*300	M24*300	940	YB:315L2-4-380V	200		
	9	3449	2004	1115	1040			1180												980						1010	YB:315L2-4-380V	200		
	10	3694	2119	1230	1155			1295					1080			105	610	560		1095		939				1080	YB:355M1-4-380V	220		
D155-67 MD155-67 DF155-67	4	2871	1356	459	459			579					820			95		500		379						670	YB:355S1-2-380V	185		
	5	3019	1444	547	547			667								95		560		467						720	YB:355M1-2-380V	220		
	6	3227	1532	635	635			755							120	610	630		555		903				770	YB:355L1-2-380V	280			
	7	3315	1620	723	723	46	100	843	350	470	464			270	350	120		630		643	-		4	M24*300	M24*300	820	YB:355L2-2-380V	315		
	8	3913	1708	811	811			931					845			120		1000		731					870	YB:4002-2-6kV	355			
	9	4001	1796	899	899			1019						1140			75	710	1000		819		959			920	YB:4004-2-6kV	450		
	7	3993	2238	748				1168				1060	1030			235	630	900		650		1066	755	M30 × 400	M24*500	2885	YB:5001-2-6kV	800		
	8	4209	2324	834				1254					1030			190			710	735						3035	YB:5001-2-6kV	800		
	D160-120 DF160-120	9	4295	2410	920				1340												820						3185	YB:5003-2-6kV	1000	
10		4381	2496	1006		-	110	1426	440	732	681	1180		380	440	210	710	1000		905	-	1126	800	M30*630	M30*630	3335	YB:5003-2-6kV	1000		
11		4467	2582	1092				1512					1050							990						3485	YB:5003-2-6kV	1000		
12		4673	2668	1178				1598						1320			160	800	1120		1075		1191	840		3635	YB:5003-2-6kV	1000		
D200-50 MD200-50 DF200-50		3	2888	1442	489	436			556					980			195	508	508		356						787	YB:315L1-4-380V	160	
	4	3010	1564	611	558			678												478		953				907	YB:315L2-4-380V	200		
	5	3262	1686	733	680			800								155	610	560		600	-	991	4	M24*400		1027	YB:355M2-4-380V	250		
	6	3504	1808	855	802			922								175		630		722					1147	YB:355L2-4-380V	315			
	7	4136	1930	977	924			1044												844					1267	YB:4002-4-6kV	355			
	8	4258	2052	1099	1046	63	100	1166	450	491	521	1140		330	450	130	710	1000		966					1387	YB:4003-4-6kV	400			
	9	4380	2174	1221	1168			1288					1000							1088	550				1507	YB:4004-4-6kV	450			
	10	4612	2296	1343	1290			1410													1210	610				1627	YB:4501-4-6kV	500		
	11	4734	2418	1465	1412			1532					1250			80	800	1120		1332	670				1747	YB:4502-4-6kV	560			
	12	4856	2540	1587	1534			1654												1454	730					1867	YB:4503-4-6kV	630		
	DS200-100 MDS200-100 DFS200-100 Sliding bearing structure	6	4478	2161	840	895			1035					1250	1150		180				895						2735	YB:4502-2-6kV	560	
		7	4598	2281	960	1015			1155									180	800	1120		1015		1176			M30*500		2885	YB:4503-2-6kV
8		4718	2401	1080	1135	20	70	1275	450	754	719				400	500	200		780	1135	-		4		M36*630	3035	YB:4504-2-6kV	710		
9		5128	2521	1200	1255			1395					1320	1170			150	900	1250		1255		1361			3185	YB:5001-2-6kV	800		
10		5248	2641	1320	1375			1515										150	900	1250		1375		1361			3335	YB:5002-2-6kV	900	
D245-45 MD245-45 DF245-45	3	2911	1465	505	452			572					1020	980		195		508	508		372		953			787	YB:315L1-4-380V	160		
	4	2941	1595	635	582			702										155		508		502		953			908	YB:355M1-4-380V	220	
	5	3301	1725	765	712			832								195				632		991			1028	YB:355M2-4-380V	250			
	6	3551	1855	895	842	63	100	962	450	491	521	1080		330	450	175	610	610		762	-	991	4		M24*400	1149	YB:355L2-4-380V	315		
	7	4191	1985	1025	972			1092								130				892					1270	YB:4002-4-6kV	355			
	8	4321	2115	1155	1102			1222					1140			130	710	710		1022		1057			1390	YB:4003-4-6kV	400			
	9	4451	2245	1285	1232			1352									130				1152					1512	YB:4004-4-6kV	450		
	D245-67 MD245-67 DF245-67	2	2978	1531	345	335			505					1020	1080		245	508	508		305		1029			M24 × 400	M24 × 400	824	YB:315L1-4-380V	160
		3	3358	1661	475	465			635										225	610	630		435		1067			1006	YB:355M2-4-380V	250
4		3998	1791	605	595			765												565					1188	YB:355L2-4-380V	315			
5		4128	1921	735	725			895					1140			180	710	1000		695	-		4		1370	YB:4003-4-6kV	400			
6		4258	2051	865	855	25	100	1025	500	621	621									25					1552	YB:4004-4-6kV	450			
7		4498	2181	995	985			1155												955					1734	YB:4502-4-6kV	560			
8		4628	2311	1125	1115			1285					1250	1120		150	800	1120		1085				1916	YB:4503-4-6kV	630				
9		4758	2441	1255	1245			1415														1215	610				2098	YB:4504-4-6kV	710	
10		4978	2571	1385	1375			1545					1320			100	900	1250		1345	670	1208	6	M36 × 600	M36 × 600	2280	YB:5001-4-6kV	800		
DS245-100 MDS245-100 DFS245-100 Sliding bearing structure		6	4478	2161	840	895			1035					1250	1150		180		800	1120		895		1176			M30*500		2020	YB:4503-2-6kV
	7	4598	2281	960	1015			1155									180				1015						2168	YB:4504-2-6kV	710	
	8	5008	2401	1080	1135	20	70	1275	450	754	719				400	500			780	1135	-		4		M36*630	2315	YB:5001-2-6kV	800		
	9	5128	2521	1200	1255			1395					1320	1170		150	900	1250		1255		1361			2463	YB:5002-2-6kV	900			
	10	5248	2641	1320	1375			1515														1375					2610	YB:5003-2-6kV	1000	

D\MD\DF Series Canned Pump

Pump Model	Number of pump stage	Installation dimensions of common base mm																				Motor						
		L	L1	L2	L3	L4A	L6A	L8A	L9	L10	L11	H1A	H1B	H2	H3	h1	A	B	A1	B1	B11	LA	n	Md1*11	Md2*12	Pump weight	Model	kW
D280-43 MD280-43 DF280-43	3	2911	1465	505	452			572				1020				195	508	508		372		953				787	YB315L1-4-380V	160
	4	3171	1595	635	582			702					980			155		560		502						908	YB355M1-4-380V	220
	5	3301	1725	765	712			832				1080				155	610	560		632		991		M24*400		1028	YB355M2-4-380V	250
	6	3551	1855	895	842	63	100	962	450	491	521			330	450	175		630	660	762			4		M24*400	1149	YB355L2-4-380V	315
	7	4191	1985	1025	972			1092												892						1270	YB24002-4-6kV	355
	8	4321	2115	1155	1102			1222				1140	1000			130	710	1000		1022		1057		M30 x 400		1390	YB24003-4-6kV	400
	9	4451	2245	1285	1232			1352												1152						1512	YB24004-4-6kV	450
	2	2978	1531	345	335			505				1020	1080			245	508	508		305		1029				824	YB315L2-4-380V	200
	3	3358	1661	475	465			635				1080				225	610	630		435		1067				1006	YB355L1-4-380V	280
D280-65 MD280-65 DF280-65	4	3998	1791	605	595			765				1140	1100			180	710	1000		565						1188	YB24002-4-6kV	355
	5	4128	1921	735	725			895				1140				180	710	1000		695						1370	YB24004-4-6kV	450
	6	4368	2051	865	855	25	100	1025	500	621	621			380	500				800	825		1133	4		M30*600	1552	YB24501-4-6kV	500
	7	4498	2181	995	985			1155				1250	1120			150	800	1120		955						1734	YB24503-4-6kV	630
	8	4628	2311	1125	1115			1285												1085						1916	YB24504-4-6kV	710
	9	4848	2441	1255	1245			1415				1320				100	900	1250		1215	610	1208	6			2098	YB25001-4-6kV	800
	10	4978	2571	1385	1375			1545				1320	1120			100	900	1250		1345	670	1208				2280	YB25002-4-6kV	900
	2	3688	1681	360	415			555				1060	1130			255	630	900		415		1120				1430	YB3554-2-6kV	250
	3	4008	1801	480	535			675				1140	1130			210	710	1000		535						1578	YB24003-2-6kV	400
	DS280-100 MDS280-100 DFS280-100 Sliding bearing structure	4	4238	1921	600	655			795												655						1725	YB24501-2-6kV
5		4358	2041	720	775			915				1250	1150			180	800	1120		775			4		M30*500	1873	YB24503-2-6kV	630
6		4478	2161	840	895	25	100	1035	500	621	621			400	500				780	895						2020	YB24504-2-6kV	710
7		4888	2281	960	1015			1155								130				1015						2168	YB25002-2-6kV	900
8		5008	2401	1080	1135			1275				1320				150	900	1250		1135		1361				2315	YB25003-2-6kV	1000
9		5128	2521	1200	1255			1395					1170			150				1255						2463	YB25004-2-6kV	1120
10		5548	2641	1320	1375			1515				1450				90	1000	1400		1375		1506	6			2610	YB25601-2-6kV	1250
2		2711	1354	399	348			450				1020				245	508	457		250		963				920	YB315M-4-380V	132
3		2941	1494	539	488	70	100	590	450	491	521	1020				245	508	508		390		963				1080	YB315L2-4-380V	200
D360-60 MD360-60 DF360-60		4	3211	1634	679	628			730				1080	1030	350	450			560		530		1001				1240	YB355M2-4-380V
	5	3471	1774	819	768			870				1080				205	610	630		670		1001				1400	YB355L2-4-380V	315
	2	3118	1541	355	345			515				1080	1080			205	508	508		315		1067				990	YB355M1-4-380V	220
	3	3378	1681	495	485			655					1100			225	610	610		455						1210	YB355L1-4-380V	280
	4	4028	1821	635	625			795				1140				180	710	1000		595						1425	YB24003-4-6kV	400
	5	4278	1961	775	765			935								130				735			4			1645	YB24501-4-6kV	500
	6	4418	2101	915	905	25	100	1075	500	621	621	1250				150	800	1120		875						1865	YB24502-4-6kV	560
	7	4558	2241	1055	1045			1215												1015						2080	YB24504-4-6kV	710
	8	4788	2381	1195	1185			1355					1120							1155						2300	YB25001-4-6kV	800
	9	4928	2521	1335	1325			1495				1320				100	900	1250		1295	650	1208	6			2520	YB25002-4-6kV	900
10	5068	2661	1475	1465			1635												1435	710					2736	YB25003-4-6kV	1000	
D360-92 MD360-92 DF360-92	2	4056	1849	420	460			660				1140	1360			340	710	1000		460						2860	YB24001-4-6kV	315
	3	4201	1994	565	605			805				1140				360	710	1000		605						3155	YB24004-4-6kV	450
	4	4456	2139	710	750			950				1250	1380			310	800	1120		750						3450	YB24502-4-6kV	560
	5	4601	2284	855	895			1095				1250				310	800	1120		895						3745	YB24504-4-6kV	710
	6	4836	2429	1000	1040			1240											1060	1040						4040	YB25002-4-6kV	900
	7	4981	2574	1145	1185	20	100	1385	600	768	748	1320	1400			280	900	1250		1185		1320	4			4335	YB25003-4-6kV	1000
	8	5326	2719	1290	1330			1530												1330						4630	YB25004-4-6kV	1125
	9	5471	2864	1435	1475			1675								220				1475						4925	YB25601-4-6kV	1250
	10	5616	3009	1580	1620			1820												1620						5220	YB25602-4-6kV	1400
	11	5761	3154	1725	1765			1965				1450	1360			180	1000	1400		1765		1360				5515	YB25603-4-6kV	1600
	12	5906	3299	1870	1910			2110												1910						5810	YB25603-4-6kV	1600
	D420-90 MD420-90 DF420-90	2	4056	1849	420	460			660				1140	1360			340	710	1000		460						2860	YB24001-4-6kV
3		4311	1994	565	605			805				1250				310	800	1120		605		1245				3155	YB24501-4-6kV	500
4		4456	2139	710	750			950				1250	1380			310	800	1120		750						3450	YB24503-4-6kV	630
5		4691	2284	855	895			1095								260				895						3745	YB25001-4-6kV	800
6		4836	2429	1000	1040			1240				1320				280	900	1250		1040						4040	YB25003-4-6kV	1000
7		4981	2574	1145	1185	20	100	1385	600	768	748					280				1185		1320	4			4335	YB25004-4-6kV	1120
8		5326	2719	1290	1330			1530					1400			220				1330						4630	YB25601-4-6kV	1250

Pump Model	Number of pump stage	Installation dimensions of common base mm																							Motor				
		L	L1	L2	L3	L4A	L6A	L8A	L9	L10	L11	H1A	H1B	H2	H3	h1	A	B	A1	B1	B11	LA	n	Md1*11	Md2*12	Pump weight	Model	kW	
D450-60 MD450-60 DF450-60	2	3565	1558	421	370			570				1060	1170			245	630	900		370		1092		M24*300	M36*630	1450	YB:3554-4-6kV	250	
	3	3918	1711	574	523			723				1140	1190			220	710	1000		523						1725	YB:4002-4-6kV	355	
	4	4181	1864	727	676			876												676	-	1118	4	M30*600		2000	YB:4501-4-6kV	500	
	5	4334	2017	880	829			1029				1250				190	800	1120		829						2250	YB:4503-4-6kV	630	
	6	4487	2170	1033	982	18	100	1182	550	588	621		1210	410	550				800	982						2500	YB:4504-4-6kV	710	
	7	4730	2323	1186	1135			1335								140					1135	570					2750	YB:5001-4-6kV	800
	8	4883	2476	1339	1288			1488				1320				140	900	1250		1288	640	1193	6	M36*630		3000	YB:5002-4-6kV	900	
	9	5036	2629	1492	1441			1641					1230			160				1441	720					3250	YB:5003-4-6kV	1000	
	10	5189	2782	1645	1594			1794					1230			160				1594	800					3500	YB:5004-4-6kV	1120	
	DS450-60 MDS450-60 DFS450-60	2	3737	1710	391	373			570				1060	1170			245	630	900		370		1092			M24*300	M36*630	1725	YB:3554-4-6kV
3		4090	1863	544	526			723				1140	1190			220	710	1000		523					2000	YB:4002-4-6kV		355	
4		4353	2016	697	679			876												676	-	1118	4	M30*600	2250	YB:4501-4-6kV		500	
5		4506	2169	850	832			1029				1250				190	800	1120		829					2500	YB:4503-4-6kV		630	
6		4659	2322	1003	985	18	100	1182	550	770	773		1210	410	550				800	982					2750	YB:4504-4-6kV		710	
7		4902	2475	1156	1138			1335								140				1135	570				3000	YB:5001-4-6kV		800	
8		5055	2628	1309	1241			1488				1320				140	900	1250		1288	640	1193	6	M36*630	3250	YB:5002-4-6kV		900	
9		5208	2781	1462	1444			1641					1230			160				1441	720				3500	YB:5003-4-6kV		1000	
10		5361	2934	1615	1597			1794					1230			160				1594	800				3750	YB:5004-4-6kV		1120	
D500-57 MD500-57 DF500-57		2	3565	1558	421	370			570				1060	1170			245	630	900		370		1092		M24*300	M36*630		1450	YB:3554-4-6kV
	3	3918	1711	574	523			723				1140	1190			220	710	1000		523					1725		YB:4002-4-6kV	355	
	4	4181	1864	727	676			876												676	-	1118		M30*600	2000		YB:4501-4-6kV	500	
	5	4334	2017	880	829			1029				1250				190	800	1120		829					2250		YB:4503-4-6kV	630	
	6	4487	2170	1033	982	18	100	1182	550	588	621		1210	410	550				800	982					2500		YB:4504-4-6kV	710	
	7	4730	2323	1186	1135			1335								140				1135	570				2750		YB:5001-4-6kV	800	
	8	4883	2476	1339	1288			1488				1320				140	900	1250		1288	640	1193		M36*630	3000		YB:5002-4-6kV	900	
	9	5036	2629	1492	1441			1641					1230			160				1441	720				3250		YB:5003-4-6kV	1000	
	10	5389	2782	1645	1594			1794				1450	1230			100	1000	1400		1594	800	1233			3500		YB:5601-4-6kV	1250	
	DS500-57 MDS500-57 DFS500-57	2	3737	1710	391	373			570				1060	1170			245	630	900		370		1092		M24*300		M36*630	1725	YB:3554-4-6kV
3		4090	1863	544	526			723				1140	1190			220	710	1000		523					2000	YB:4002-4-6kV		355	
4		4353	2016	697	679			876												676	-	1118	4	M30*600	2250	YB:4501-4-6kV		500	
5		4506	2169	850	832			1029				1250				190	800	1120		829					2500	YB:4503-4-6kV		630	
6		4659	2322	1003	985	18	100	1182	550	770	773		1210	410	550				800	982					2750	YB:4504-4-6kV		710	
7		4902	2475	1156	1138			1335								140				1135	570				3000	YB:5001-4-6kV		800	
8		5055	2628	1309	1241			1488				1320				140	900	1250		1288	640	1193	6	M36*630	3250	YB:5002-4-6kV		900	
9		5208	2781	1462	1444			1641					1230			160				1441	720				3500	YB:5003-4-6kV		1000	
10		5561	2934	1615	1597			1794				1450	1230			100	1000	1400		1594	800	1233			3750	YB:5601-4-6kV		1250	
D550-50 MD550-50 DF550-50		2	3565	1558	421	370			570				1060	1190			265	630	900		370		1092		M24*300	M36*630		1450	YB:3554-4-6kV
	3	3918	1711	574	523			723				1140	1190			220	710	1000		523					1725		YB:4002-4-6kV	355	
	4	4181	1864	727	676			876												676	-	1118		M30*500	2000		YB:4501-4-6kV	500	
	5	4334	2017	880	829			1029				1250	1210			190	800	1120		829					2250		YB:4503-4-6kV	630	
	6	4487	2170	1033	982	18	100	1182	550	588	621			410	550				790	982	-				2500		YB:4504-4-6kV	710	
	7	4730	2323	1186	1135			1335								140				1135							2750	YB:5001-4-6kV	800
	8	4883	2476	1339	1288			1488				1320				160	900	1250		1288		1193			3000		YB:5003-4-6kV	1000	
	9	5036	2629	1492	1441			1641					1230			160				1441							3250	YB:5004-4-6kV	1120
	10	5389	2782	1645	1594			1794				1450				100	1000	1400		1594		1233			3500		YB:5601-4-6kV	1250	
	DS550-50 MDS550-50 DFS550-50	2	3737	1710	391	373			570				1060	1190			245	630	900		370		1092		M24*300		M36*630	1725	YB:3554-4-6kV
3		4090	1863	544	526			723				1140	1190			220	710	1000		523					2000	YB:4002-4-6kV		355	
4		4353	2016	697	679			876												676	-	1118		M30*600	2250	YB:4501-4-6kV		500	
5		4506	2169	850	832			1029				1250	1210			190	800	1120		829					2500	YB:4503-4-6kV		630	
6		4659	2322	1003	985	18	100	1182	550	770	773			410	550				790	982	-				2750	YB:4504-4-6kV		710	
7		4902	2475	1156	1138			1335								140				1135						3000		YB:5001-4-6kV	800
8		5055	2628	1309	1241			1488				1320				140	900	1250		1288		1193			3250	YB:5003-4-6kV		1000	
9		5208	2781	1462	1444			1641					1230			160				1441					3500	YB:5004-4-6kV		1120	
10		5361	2934	1615	1597			1794				1450				100	1000	1400		1594		1233			3750	YB:5601-4-6kV		1250	
D580-60 MD580-60 DF580-60		2	3909	1702	470	470			670				1060	1220			295	630	900		470		1149		M24*300</				

D\MD\DF Series Canned Pump

Pump Model	Number of pump stage	Installation dimensions of common base mm																							Motor					
		L	L1	L2	L3	L4A	L6A	L8A	L9	L10	L11	H1A	H1B	H2	H3	h1	A	B	A1	B1	B11	LA	n	Md1*11	Md2*12	Pump weight	Model	kW		
D600-60 MD600-60 DF600-60	2	3909	1702	470	470			670				1140	1220			250	710	1000		470						1670	YB24001-4-6kV	315		
	3	4069	1862	630	630			830				1140	1220							630			1175		M30*630		1935	YB24004-4-6kV	450	
	4	4339	2022	790	790			980				1250				220	800	1120		790					2200	YB24502-4-6kV	560			
	5	4499	2182	950	950			1140				1250	1240							950					2465	YB24504-4-6kV	710			
	6	4749	2342	1110	1110	0	100	1300	550	678	678			430	550	170			850	1100			4		M36*630		2730	YB25002-4-6kV	900	
	7	4909	2502	1270	1270			1470				1320				190	900	1250		1270			1250			2995	YB25003-4-6kV	1000		
	8	5069	2662	1430	1430			1630					1260							1430						3260	YB25004-4-6kV	1120		
	9	5429	2822	1590	1590			1790				1450								1590			1290			3525	YB25601-4-6kV	1250		
	10	5589	2982	1750	1750			1950				1450				130	1000	1400		1750			1290			3790	YB25602-4-6kV	1400		
	DS600-60 MDS600-60 DFS600-60	2	4050	1843	470	470			670				1140	1220			250	710	1000		470						1935	YB24001-4-6kV	315	
3		4210	2003	630	630			830				1140	1220							630			1316			2200	YB24004-4-6kV	450		
4		4480	2163	790	790			980				1250				220	800	1120		790					2465	YB24502-4-6kV	560			
5		4640	2323	950	950			1140				1250	1240							950					2730	YB24504-4-6kV	710			
6		4890	2483	1110	1110	0	100	1300	550	819	819			430	550	170			850	1100			4		M36*630		2995	YB25002-4-6kV	900	
7		5050	2643	1270	1270			1470				1320				190	900	1250		1270			1391			3260	YB25003-4-6kV	1000		
8		5210	2803	1430	1430			1630					1260							1430						3525	YB25004-4-6kV	1120		
9		5570	2963	1590	1590			1790				1450				130	1000	1400		1590			1431			3790	YB25601-4-6kV	1250		
10		5730	3123	1750	1750			1950				1450								1750						4055	YB25602-4-6kV	1400		
D720-60 MD720-60 DF720-60		2	3909	1702	470	470			670				1140	1220			250	710	1000		470						1670	YB24002-4-6kV	355	
	3	4179	1862	630	630			830				1250	1220			200	800	1120		630			1175			1935	YB24502-4-6kV	560		
	4	4339	2022	790	790			980				1250				220				790					2200	YB24504-4-6kV	710			
	5	4589	2182	950	950			1140					1240			170				950					2465	YB25002-4-6kV	900			
	6	4749	2342	1110	1110	0	100	1300	550	678	678			430	550	190	900	1250	850	1100			1250	4	M36*630	M36*630	2730	YB25004-4-6kV	1120	
	7	4909	2502	1270	1270			1470				1320				190				1270						2995	YB25601-4-6kV	1250		
	8	5269	2662	1430	1430			1630					1260			130	1000			1430			1431			3260	YB25602-4-6kV	1400		
	9	5429	2822	1590	1590			1790				1500				-20	1180	1400		1590						3525	YB710M1-4-6kV	1600		
	10	5589	2982	1750	1750			1950				1450								1750			1411			M42*630		3790	YB710M2-4-6kV	1800
	DS720-60 MDS720-60 DFS720-60	2	4050	1843	470	470			670				1140	1220			250	710	1000		470						1935	YB24002-4-6kV	355	
3		4320	2003	630	630			830				1250	1220			200	800	1120		630			1316			2200	YB24502-4-6kV	560		
4		4480	2163	790	790			980				1250				220				790					2465	YB24504-4-6kV	710			
5		4730	2323	950	950			1140					1240							950					2730	YB25002-4-6kV	900			
6		4890	2483	1110	1110	0	100	1300	550	819	819			430	550	170	900	1250	850	1100			1391	4	M36*630	M36*630	2995	YB25004-4-6kV	1120	
7		5050	2643	1270	1270			1470				1320				190				1270						3260	YB25601-4-6kV	1250		
8		5410	2803	1430	1430			1630					1260			130	1000			1430			1290			3525	YB25602-4-6kV	1400		
9		5570	2963	1590	1590			1790				1500				-20	1180	1400		1590			1270			3790	YB710M1-4-6kV	1600		
10		5730	3123	1750	1750			1950				1450								1750			1270			4055	YB710M2-4-6kV	1800		
D800-70 MD800-70 DF800-70		2	4042	1935	500	480			700				1040	1280			180	800	1120		480						2781	YB500M2-4-6kV	450	
	3	4377	2120	685	665			885				1160	1300			140	950			665			1292			3164	YB560M2-4-6kV	710		
	4	4662	2305	870	850			1070				1300	1300			70	1120	1250		850					3547	YB630S2-4-6kV	900			
	5	4997	2490	1055	1035	14	110	1255	580	789	795			470	580				940	1035			4			3930	YB710S1-4-6kV	1250		
	6	5182	2675	1240	1220			1440												1220						4313	YB710S2-4-6kV	1400		
	7	5467	2860	1425	1405			1625				1500	1320			10	1180			1405			1387			4696	YB710M1-4-6kV	1600		
	8	5652	3045	1610	1590			1810												1590						5079	YB710M2-4-6kV	1800		
	DS800-70 MDS800-70 DFS800-70	2	4198	2091	475	480			700				1040	1280			180	800	1120		480						3164	YB500M2-4-6kV	450	
3		4533	2276	660	665			885				1160	1300			140	950			665			1292			3547	YB560M2-4-6kV	710		
4		4818	2461	845	850			1070				1300	1300			70	1120	1250		850					3930	YB630S2-4-6kV	900			
5		5153	2646	1030	1035	14	110	1255	580	970	951			470	580				940	1035			4			4313	YB710S1-4-6kV	1250		
6		5338	2831	1215	1220			1440												1220						4696	YB710S2-4-6kV	1400		
7		5623	3016	1400	1405			1625				1500	1320			10	1180			1405			1387			5079	YB710M1-4-6kV	1600		
8		5808	3201	1585	1590			1810												1590						5492	YB710M2-4-6kV	1800		
D1000-72 MD1000-72 DF1000-72		2	4192	1935	500	480			700				1160	1280			120	950	1250		480						2781	YB560M1-4-6kV	630	
	3	4477	2120	685	665			885				1300	1300			70	1120	1400		665			1292			3164	YB630S1-4-6kV	900		
	4	4762	2305	870	850			1070												850						3547	YB630M2-4-6kV	1120		
	5	4997	2490	1055	1035	14	110	1255	580	789	795			470	580				940	1035			4			3930	YB710S2-4-6kV	1400		
	6	5282	2675	1240	1220			1440				1500				10	1180			1220			1387			4313	YB710M1-4-6kV	1		

Dimension Table of Companion Flange

Model	Inlet companion flange							Outlet companion flange						
	Nominal pressure bar	DN/mm	Y/mm	d/mm	K/mm	D/mm	n-Φd1/mm	Nominal pressure bar	DN/mm	Y/mm	d/mm	K/mm	D/mm	n-Φd1/mm
6-25	6	40	—	78	100	130	4-Φ14	40	40	76	84	110	150	4-Φ18
12-25	6	50	—	88	110	140	4-Φ14							
25-30	6	65	—	108	130	160	4-Φ14	40	65	110	118	145	185	8-Φ18
15-50	63	65	110	118	160	205	8-Φ22	63	65	110	118	160	205	8-Φ22
25-50														
45-80	16	80	—	135	160	195	8-Φ18	100	65	109	138	170	220	8-Φ25
46-30	6	80	—	124	150	190	4-Φ18	40	65	110	118	145	185	8-Φ18
35-50	63	80	121	132	170	215	8-Φ22	63	80	121	132	170	215	8-Φ22
46-50														
48-50														
85-45	6	100	—	144	170	210	4-Φ18	40	100	150	156	190	235	8-Φ22
85-67	63	100	150	156	200	250	8-Φ26	63	100	150	156	200	250	8-Φ26
85-80	16	100	—	155	180	215	8-Φ18	100	100	149	172	210	265	8-Φ30
155-30	16	150	—	211	240	285	8-Φ22	40	150	204	211	250	300	8-Φ26
100-50	63	150	204	211	280	345	8-Φ33	63	100	150	156	200	250	8-Φ26
125-70								63	150	204	211	280	345	8-Φ33
155-67														
180-52	10	200	—	266	295	340	8-Φ22	63	200	259	285	345	415	12-Φ36
200-50														
245-45								40	200	260	284	320	375	12-Φ30
280-43	16	200	—	266	295	340	12-Φ22	63	200	260	284	345	415	12-Φ36
245-67														
280-65														
360-60	25	200	—	274	310	360	12-Φ26	100	150	203	211	290	355	12-Φ33
150-100														
200-100														
245-100														
280-100	10	200	—	266	295	340	8-Φ22	40	200	260	284	320	375	12-Φ30
360-40														
360-92														
420-90	63	200	—	284	345	415	12-Φ36	100	200	260	284	360	430	12-Φ36
450-60														
500-57														
550-50	16	250	—	319	355	405	12-Φ26	63	250	313	345	400	470	12-Φ36
580-60														
600-60														
720-60														
800-70	16	300	—	370	410	460	12-Φ26	63	300	364	409	460	530	16-Φ36
1000-72														

Forces and Moments Allowed to Act on Flange

Allowable Force and Moment Acting on Flange																		
Name / Model	Import Force (N)					Inlet Torque (Nm)				Export Force (N)					Outlet Torque (Nm)			
	Diameter	Fx	Fy	Fz	Σ F	Mx	My	Mz	Σ M	Diameter	Fx	Fy	Fz	Σ F	Mx	My	Mz	Σ M
D/MD/DF6-25	40	660	750	600	1170	560	280	385	980	40								
D/MD/DF12-25	50	900	990	810	1560	630	350	455	1085	40	660	600	750	1170	560	280	385	980
D/MD/DF15-50	65	1110	1260	1020	1980	700	420	490	1190	65	1110	1020	1260	1980	700	420	490	1190
D/MD/DF25-30	65																	
D/MD/DF25-50	65																	
D/MD/DF45-80	80	1350	1500	1230	2370	770	455	560	1295	65	1350	1230	1500	2370	770	455	560	1295
D/MD/DF46-30	80																	
D/MD/DF46-50	80																	
D/MD/DF48-50	80									80								
D/MD/DF85-45	100	1800	2010	1620	3150	875	525	665	1470	100	1800	1620	2010	3150	840	525	665	1470
D/MD/DF85-67	100																	
D/MD/DF85-80	100																	
D/MD/DF100-50	150	2700	3000	2430	4710	1400	875	1085	2205	100	2700	2430	3000	4710	1400	875	1085	2205
D/DF125-70	150																	
DS/MDS/DFS150-100	200	3600	4020	3240	6270	1925	1260	1505	3010	150	2700	2430	3000	4710	1400	875	1085	2205
D/MD/DF155-30	150	2700	3000	2430	4710	1400	875	1085	2205	150								
D/MD/DF155-67	150									150								
D/DF180-52	200	3600	4020	3240	6270	1925	1260	1505	3010	200	3600	3240	4020	6270	1925	1260	1505	3010
D/MD/DF200-50	200									200								
DS/MDS/DFS200-100	200									150	2700	2430	3000	4710	1400	875	1085	2205
D/MD/DF245-45	200									200	3600	3240	4020	6270	1925	1260	1505	3010
D/MD/DF245-67	200									200								
DS/MDS/DFS245-100	200									150	2700	2430	3000	4710	1400	875	1085	2205
D/MD/DF280-43	200									200	3600	3240	4020	6270	1925	1260	1505	3010
D/MD/DF280-65	200									200								
DS/MDS/DFS280-100	200									150	2700	2430	3000	4710	1400	875	1085	2205
D/MD/DF360-40	200									200	3600	3240	4020	6270	1925	1260	1505	3010
D/MD/DF360-60	200	200																
D/MD/DF360-92	200	200																
D/MD/DF420-90	200	200																
D/MD/DF450-60	250	4470	5010	4050	7830	2765	1855	2205	4235	250	4470	4050	5190	7830	2765	1855	2205	4235
DS/MDS/DFS450-60	250									250								
D/MD/DF500-57	250									250								
DS/MDS/DFS500-57	250									250								
D/MD/DF550-50	250									250								
DS/MDS/DFS550-50	250									250								
D/MD/DF580-60	300	5370	6000	4830	9390	3885	2660	3115	5880	250	5370	4830	6000	9390	3885	2660	3115	5880
D/MD/DF600-60	300									250								
DS/MDS/DFS600-60	300									250								
D/MD/DF720-60	300									250								
DS/MDS/DFS720-60	300									250								
D/MD/DF800-70	300									300								
DS/MDS/DFS800-70	300	300	5370	4830	6000	9390	3885	2660	3115	5880								
D/MD/DF1000-72	350	300																
DS/MDS/DFS1000-72	350	300																

Spare List of Wearing Parts in Two Years

Annual Spare List													
Name / Model				Balancing Mechanisms				Shaft Seal					
	Shaft 1 Piece	First Stage Impeller 1 Piece	Impellers 2 Pieces	Balance Discs 2 Pieces	Balance Gear Sleeves 2 Pieces	Balance Rings 2 Pieces	Balance Sleeves 2 Pieces	Shaft Sleeve B 2 Pieces	Packing Rings 2 Pieces				
D/MD/DF6-25	DG12-25-101	/	DG6-25-102	DG12-25-103	/	DG12-25-008	/	DG12-25-103B	B2102-70-45				
D/MD/DF12-25		DG12-25-102A	DG12-25-102										
D/MD/DF25-30	DG46-30-101	DG25-30-102A	DG25-30-102	DG46-30-103	/	DG46-30-008	/	DG46-30-103B	B2102-70-50				
D/MD/DF46-30		DG46-30-102A	DG46-30-102										
D/MD/DF15-50	DG25-50-101	/	DG15-50-102	DG46-50-103	/	DG46-50-008	/	DG46-50-103B	B2102-70-55				
D/MD/DF25-50			DG25-50-102										
D/MD/DF46-50(Note 2)	DG46-50-101	DG46-50-102A	DG46-50-102										
D/MD/DF85-45	DG85-45-101	DG85-45-102A	DG85-45-102										
D/MD/DF48-50	DG48-50-101	DG48-50-102A	DG48-50-102	DG48-50-103	/	DG48-50-008	/	DG48-50-103B	B2102-70-65				
D/MD/DF45-80	MD45-80-101	DG45-80-0102	DG45-80-0103	DG45-80-0105	DG45-80-0109	DG85-80-0010	DG45-80-0011	DG45-80-103B	B2102-70-75A				
D/MD/DF85-80	MD85-80-101	DG85-80-0102	DG85-80-0103	DG85-80-0105	DG85-80-0109	DG85-80-0010	DG85-80-0011						
D/MD/DF85-67	DG155-67-101	DG85-67-102A	DG85-67-102	DG155-67-103	/	DG155-67-008-1	DG155-67-008-2	DG155-67-103B					
D/MD/DF100-50	DG155-67-101 DG100-50-101(Grade 10-12)	DG100-50-102A	DG100-50-102										
D/DF125-70	DG155-67-101	DG155-67-102A	DG155-67-102										
D/MD/DF155-67													
D/MD/DF155-30	MD155-30-11-06	MD155-30-102A-06	MD155-30-102-06	MD155-30-103-06	/	MD155-30-008-1-06	MD155-30-008-2-06						
D/DF180-52	MD200-50-101	MD200-50-102A	MD200-50-102	MD280-43-103-06	/	MD280-43-008-1-06	MD280-43-015-06	MD280-43-103B-06	B2102-70-90				
D/MD/DF200-50													
D/MD/DF280-43	MD280-43-101-06	MD280-43-102A-06	MD280-43-102-06										
D/MD/DF245-45		MD245-45-102A	MD245-45-102										
D/MD/DF360-40	MD360-40-101-06	MD360-40-102A-06	MD360-40-102-06										
DS/MDS/DFS150-100	MDS280-100-101	MDS150-100-102S MDS150-100-102SF	MD150-100-102	MD280-100-103	/	MD280-100-008-1	MD280-100-008-2	MD280-100-103B	B2102-70-105				
DS/MDS/DFS200-100		MDS200-100-102S MDS200-100-102SF	MD200-100-102										
DS/MDS/DFS245-100		MDS245-100-102S MDS245-100-102SF	MD245-100-102										
DS/MDS/DFS280-100		MDS280-100-102S MDS280-100-102SF	MD280-100-102										
D/MD/DF280-65	MD280-65-101-06	MD280-65-102A-06	MD280-65-102-06	MD280-65-103-06	/	MD450-60-008-06	MD450-60-015-06	MD450-60-103B-06	B2102-70-120				
D/MD/DF245-67													
D/MD/DF360-60	MD360-60-101	MD360-60-102A	MD360-60-102										
D/MD/DF450-60	MD450-60-101-06	MD450-60-102A-06	MD450-60-102-06	MD450-60-103-06									
D/MD/DF550-50	MD450-60-101-06(Grade 2-7) MD550-50-101(Grade 8-10)	MD550-50-102A	MD550-50-102										
D/MD/DF500-57		MD450-60-102A-06	MD450-60-102-06										
DS/MDS/DFS450-60	MDS450-60-101	MDS450-60-102S MDS450-60-102SF	MD450-60-102-06										
DS/MDS/DFS550-50			MD550-50-102										
DS/MDS/DFS500-57			MD450-60-102-06										
D/MD/DF600-60	MD600-60-2X7-101 MD600-60-8X10-101	MD600-60-102A	MD600-60-102	MD600-60-103						/	MD600-60-008-1	MD600-60-008-2	MD600-60-103B-1 MD600-60-103B-2
D/MD/DF580-60		MD580-60-102A	MD580-60-102										
D/MD/DF720-60		MD720-60-102A	MD720-60-102										
DS/MDS/DFS600-60	MDS600-60-101	MDS600-60-102S MDS600-60-102SF	MD600-60-102	MD720-60-102									
DS/MDS/DFS720-60													
D/MD/DF360-92	MD420-90X2-7-101 MD420-90X8-11-101 MD360-92X12-101	MD360-92-102A	MD360-92-102	MD420-90-103	/	MD420-90-008-1	MD420-90-008-2	MD800-70-103B-2	B2102-70-160				
D/MD/DF420-90	MD420-90X2-7-101 MD420-90X8-11-101	MD420-90-102A	MD420-90-102										
D/MD/DF800-70	MD800-70-101	MD800-70-102A	MD800-70-102	MD800-70-103	/	MD800-70-008-1	MD800-70-008-2	MD800-70-103B-1 MD800-70-103B-2					
D/MD/DF1000-72	MD800-70-101	MD1000-72-102A	MD1000-72-102										
DS/MDS/DFS800-70	MDS1000-72-101	MDS1000-72-102S MDS1000-72-102SF	MD800-70-102										
DS/MDS/DFS1000-72			MD1000-72-102										

Notice 1: The number of sealing ring C of the first stage double suction pump is 2; Notice 2: Model 46-50 in this table is applicable to grade 2-7. For 8-12 pumps, please refer to 48-50

of Wearing Parts													
Position		Bearing Position		Sealing Ring (if there is no sealing ring C, there must be one more sealing ring A)			O-ring Complete Set						
Fillers 20 Pieces	Mechanical Seals 2 Sets	Bearing Bushes 2 Pieces	Bearings 2 Pieces	Sealing Ring C (Note 1) (First Stage Ring)	Sealing Ring B N-1 (Guide Vane Sleeve)	Sealing Ring C (Note 1) (First Stage Ring)	Intermediate Segment N Pieces	Cooling Body Seal 1 Piece	Water Cooling Chamber Cover Seals 2 Pieces	Water Cooling Chamber Cover Seals 2 Pieces	Balance Ring Seal 1 Piece	Mechanical Seal Gland Seal 2 Pieces	Shaft Sleeve Seals 2 Pieces
Φ 45X Φ 65X10	H75-40	DG12-25-105	NU308E	DG12-25-013A	DG12-25-013B	/ DG12-25-013C	195X2.65	130X2.65	130X2.65	75X2.65	78X2.65	65X2.65	30X2.65
Φ 50X Φ 70X10	H75-45	DG46-30-105	NU309E	DG46-30-013A	DG46-30-013B	DG46-30-103C	236X3.55	175X3.55	185X2.65	80X2.65	61X2.65	69X2.65	32.5X2.65
Φ 55X Φ 75X10	H75-50	DG46-50-105	NU310E	DG25-50-013A	DG46-50-013B	/	270X3.55	180X3.55	180X3.55	90X3.55	118X2.65	75X2.65	40X2.65
				/		270X3.55							
				DG46-50-013A		DG46-50-013C	280X3.55						
				DF85-45-013A		DG85-45-013B	DG85-45-013C						
Φ 65X Φ 89X12	H75-60	DG48-50-105	NU312E	DG48-50-013A	DG48-50-013B	DG48-50-013C	280X3.55	195X3.55	195X3.55	103X3.55		90X2.65	50X2.65
Φ 75X Φ 107X16	H75-70	DG155-67-105	NU315E	DG45-80-0013	DG45-80-0014	DG45-80-0012	315X5.3	250X3.55	265X3.55	122X2.65	132X3.55	106X2.65	60X2.65
				MD85-80-0013	MD85-80-0014	MD85-80-0012	350X5.7				145X5.7		
				DG155-67-013A	DG85-67-013B	DG85-67-013C	360X3.55				165X3.55		
					DG155-67-013B	DG155-67-013C							
				MD155-30-013A-06	MD155-30-013B-06	MD155-30-013C-06	437X5.3				265X3.55		
Φ 90X Φ 122X16	H75-85	MD280-43-105-06	NU317E	MD200-50-013A	MD280-43-013B-06	MD200-50-013C	515X5.3	307X3.55			200X3.55	122X2.65	69X2.65
				MD280-43-013A-06	MD280-43-013B-06	MD280-43-013C-06	530X5.3						
				MD360-40-013A-06	MD360-40-013B-06	MD360-40-013C-06	565X5.3						
Φ 105X Φ 137X16	H75-100	/	B1207-72-80	MDS150-100-0013	MDS150-100-0014	MDS150-100-0012	425X5.3	375X5.3			212X5.3	136X2.65	82X3.55
				MD280-100-013A	MD280-100-013B	MD280-100-013C							
Φ 120X Φ 160X20	H75-110	MD450-60-105-06	NU322	MD280-65-013A	MD280-65-013B	MD280-65-013C	650X5.3	345X5.3	/	/	272X2.65	150X2.65	95X2.65
				MD360-60-013A		MD600-60-013A							
				MD450-60-013A	MD450-60-013B	MD450-60-013C							
				MD550-50-013A	MD550-50-013B	MD550-50-013C	650X5.3 580X5.3 (1 Piece)						
				MD450-60-013A	MD450-60-013B	MD450-60-013C							
				MD450-60-013A	MD450-60-013B	MDS450-60-013C							
				MD550-50-013A	MD550-50-013B	MDS450-60-013C							
MD450-60-013A	MD450-60-013B	MDS450-60-013C											
Φ 135X Φ 175X20	H75-125	MD600-60-105	NU324	MD600-60-013A	MD600-60-013B	MD600-60-013C	650X5.3	400X5.3			285X5.3	170X2.65	105X3.55
				MD720-60-013A									
				MD600-60-013A		MDS600-60-013C	650X5.3 590X5.3 (1 Piece)						
				MD720-60-013A									
Φ 160X Φ 200X20	H75-150	/	B1207-72-120	MD420-90-013A	MD420-90-013B	MD420-90-013C	685X5.3	450X5.3			300X5.3	195X2.65	122X3.55
				MD420-90-013A	MD420-90-013B	MD420-90-013C							
				MD800-70-013A	MD800-70-013B	MD800-70-013C	720X5.3	437X5.3					
				MD1000-72-013A									
				MD800-70-013A									
				MD1000-72-013A		MDS1000-72-013C	720X5.3 650X5.3 (1 Piece)						

Leading the Rise of Chinese Pump Industry



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