

DG type boiler feed pump

- **Hydraulic component using CFD flow field analysis technology**
Excellent performance
- **Central support pump adopts cooling water integrated pipeline for water supply**
Convenient for users to install and use

- **Various monitoring instruments for high-pressure feed pump**
Realize full monitoring of pressure, temperature and vibration

- **Reinforced design of pressure housing and balance parts**
The pressure-bearing shell can be made of forgings, with excellent pressure-bearing performance, and the balance parts are made of stainless steel and heat-treated, with good wear resistance and long life.



SKF Equipped



ISO9001 2015 版国际质量体系认证
ISO9001 Certified(version 2015)

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Foreword

For the work of the pump unit, it is recommended to be operated by personnel who are familiar with disassembly work or professional training, and should strictly abide by the provisions of this instruction manual

Shanghai Kaiquan Pumps (Group) Co., Ltd.'s pump products are produced under strict quality control in accordance with relevant standards. Under correct installation, good maintenance and stable working conditions, our products can be in normal working conditions. The pump must not be operated beyond the operating conditions specified in the Boiler Feed Pump Technical Agreement.

1. Product Overview

The DG series boiler feed pump is a multi-stage centrifugal pump of segmented type, which connects the water inlet section, middle section and water outlet section with a tightening bolt. The inlet and outlet directions are vertical upwards. The static seals between the pump's inlet, middle and outlet sections are sealed with a metal face and an O-ring seal. The hydraulic components are optimized using CFD flow field analysis technology. The design and performance are excellent; the impeller and guide vane are precision-casting, the flow channel is smooth, the dimensional accuracy is high, and the efficiency is high; the rotor is dynamically balanced, and the accuracy level is higher than the industry level; looking at the pump from the transmission direction, the pump rotates clockwise.

DG type medium and low pressure boiler feed water pump adopts foot support structure; the product meets GB / T5657-1995 《Centrifugal Pump Technical Conditions III》 standard.

ZDG high temperature boiler feed pump, DG sub-high pressure, high pressure boiler feed pump adopts a central support structure as a whole, and cooperates with a sliding pin system to effectively compensate thermal deformation;

ZDG high temperature boiler feed pump, DG sub high pressure, high pressure boiler feed pump adopts cooling water integrated pipeline water supply, and can choose to use mechanical seal self-flushing system according to user requirements, so that users do not need to provide mechanical seal flushing water, which is convenient for users to install and use ;

DG high-pressure boiler feed water pump has a variety of monitoring instruments, and complete pressure and temperature monitoring. According to user requirements, monitoring requirements such as vibration, speed and reverse protection can be increased;

ZDG high temperature boiler feed water pump, DG type high pressure boiler feed water pump products comply with GB / T5656-1995 "centrifugal pump technical conditions two", DG type high pressure boiler feed water pump products meet JB / T8059-200X "high pressure boiler feed water pump technical conditions"

2. Typical application

Boiler feed water and other high temperature clean water

3. Working conditions

Nominal speed: 2980 r/min

Medium: boiler feed water, clean water or other liquids with physical and chemical properties similar to water

Medium temperature: DG type medium and low pressure boiler feed water pump 105℃; when the medium temperature is 80℃, it must be cooled by external cooling water. ZDG high temperature boiler feed water pump, DG sub-high pressure, high pressure boiler feed water pump 160℃, must be cooled by external cooling water and machine seal cooling flushing.

Flow range: DG type low-pressure boiler feed water pump 4 ~ 185m³ / h ZDG high temperature boiler feedwater pump, DG type high pressure, high pressure boiler feedwater pump 12 ~ 500m³/h

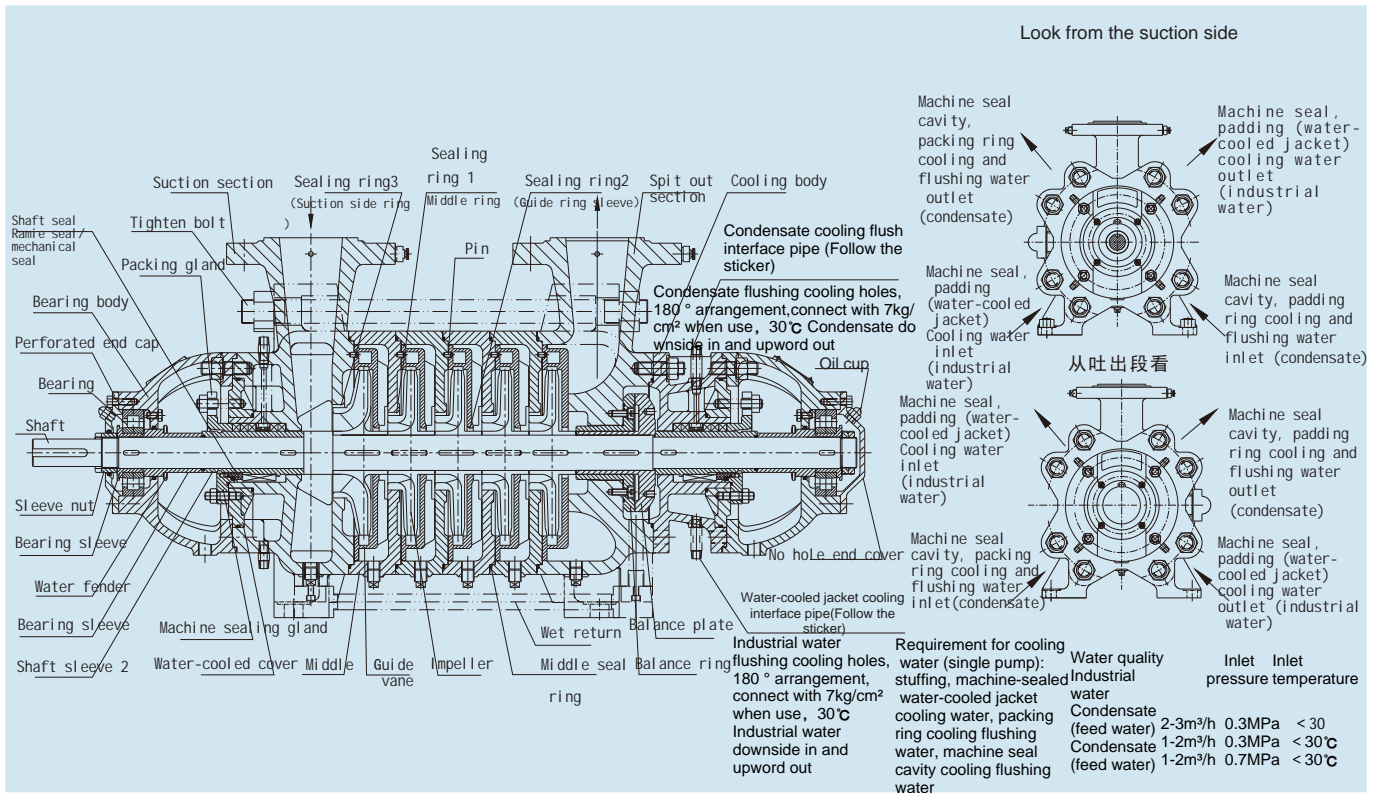
Maximum working pressure: DG medium and low pressure boiler feed water pump, ZDG high temperature boiler feed water pump suction port pressure + pump maximum pressure 7MPa, DG sub-high pressure boiler feed pump suction port pressure + pump maximum pressure 10MPa, DG type high pressure boiler feed pump suction port pressure + pump maximum pressure 20MPa

4. Main material (Standard configuration materials can be changed according to user needs)

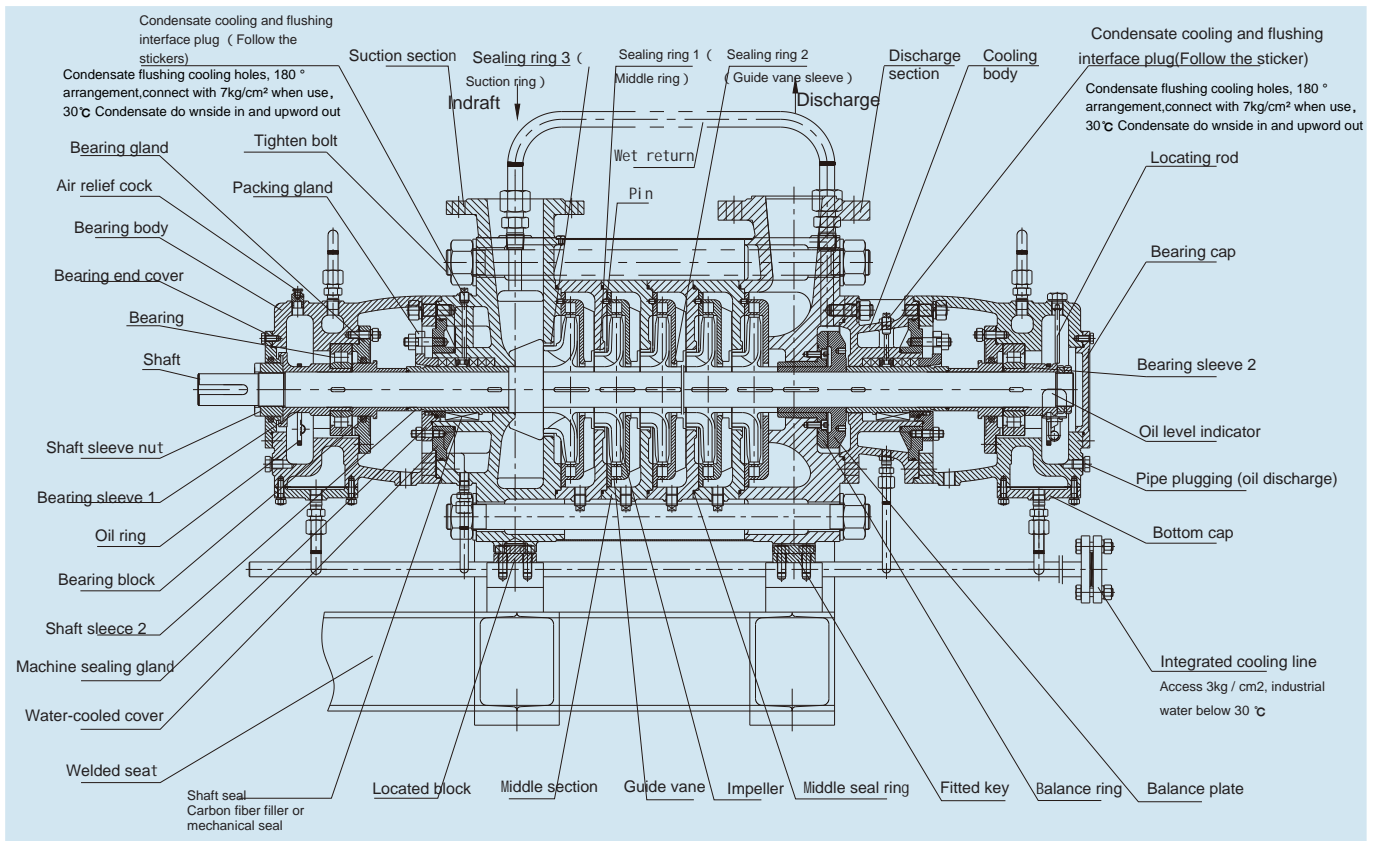
Name	DG Medium and low pressure pump	ZDG High temperature pump	DG Sub-high pressure pump	DG High-pressure pump
Inlet	HT200	ZG230-450, Forge16Mn	ZG230-450, Forge16Mn	ZG270-500, Forge16Mn
Middle	HT250, Q345B	ZG230-450, Q345B	ZG230-450, Q345B, Forge16Mn	ZG270-500, Forge16Mn
Outlet	HT250	ZG230-450, Forge16Mn	ZG230-450, Forge16Mn	ZG270-500, Forge16Mn
Guide Vane	ZG230-450	ZG230-450	ZG230-450	ZG1Cr13
Impeller	ZG230-450	ZG230-450	ZG230-450	ZG1Cr13
Shaft	40Cr	40Cr	40Cr	Forge 40CrV
Sealing ring	ZCuSn10Pb1	ZCuSn10Pb1	38CrMoAl Nitriding	1Cr13MoS
Guide vane sleeve	ZCuSn10Pb1	ZCuSn10Pb1	38CrMoAl Nitriding	1Cr13MoS
Balance plate	3Cr13	3Cr13	3Cr13	1Cr13MoS
Balance sleeve	3Cr13	3Cr13	3Cr13	
Balance plate	2Cr13	2Cr13	2Cr13	3Cr13
Balance gear			2Cr13	
Draw-in bolt	45	45	40Cr	40Cr
Material			Implementation standards	
HT200, HT250			GB9439-2010	
ZG230-450, ZG270-500			GB11352-2009	
ZG1Cr13, 2Cr13, 3Cr13			GB1220-2007	
40Cr, 40CrV, 1Cr13MoS, 38CrMoAl			GB3077-1999	
Q235, Q345B			GB700-2006	
45, 16Mn			GB699-1999	
ZCuSn10Pb1			GB1176-1987	

5. Structure diagram of DG boiler feed pump

5.1 Structure diagram of DG type medium and low pressure boiler feed pump

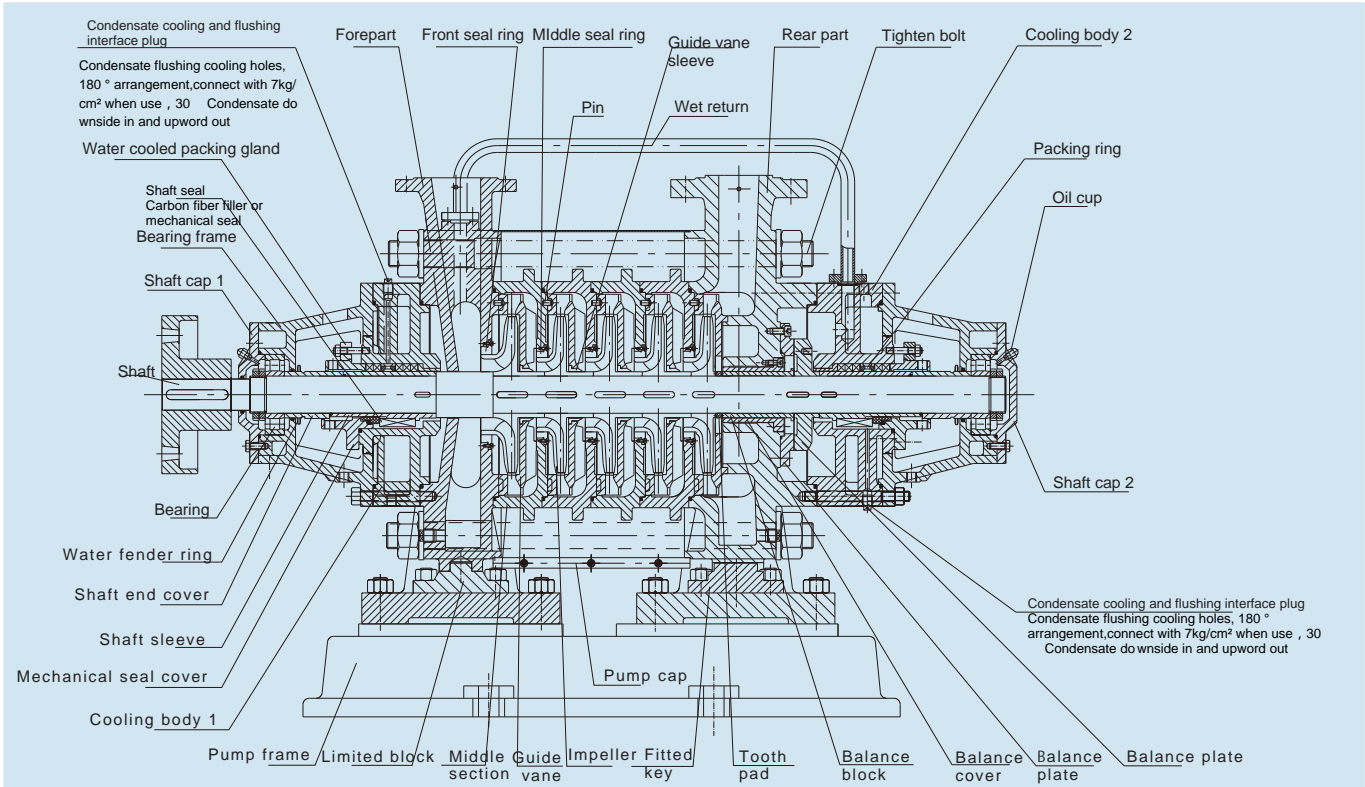


5.2 Structure of ZDG type high temperature boiler feed pump

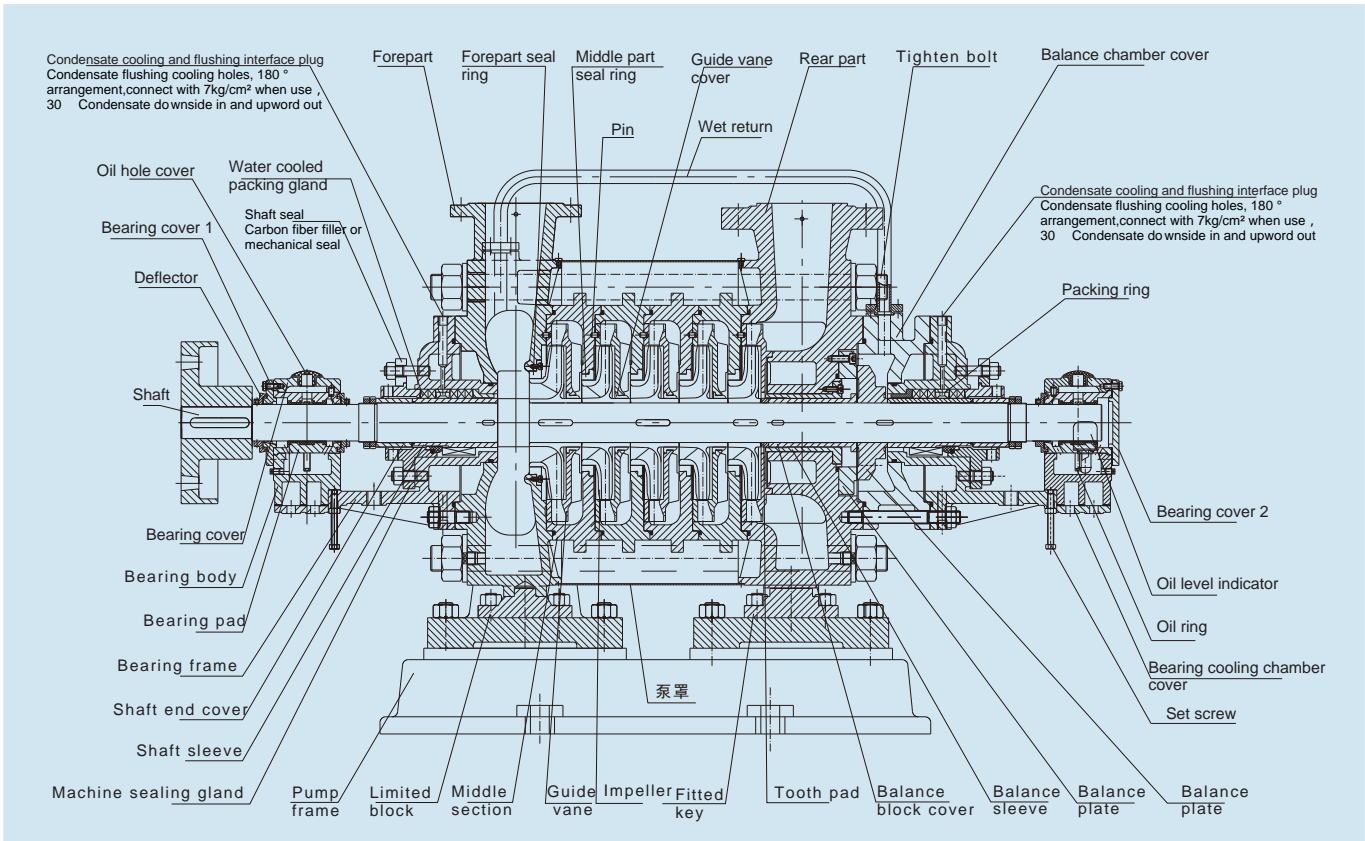


DG Type Boiler Feed Water Pump

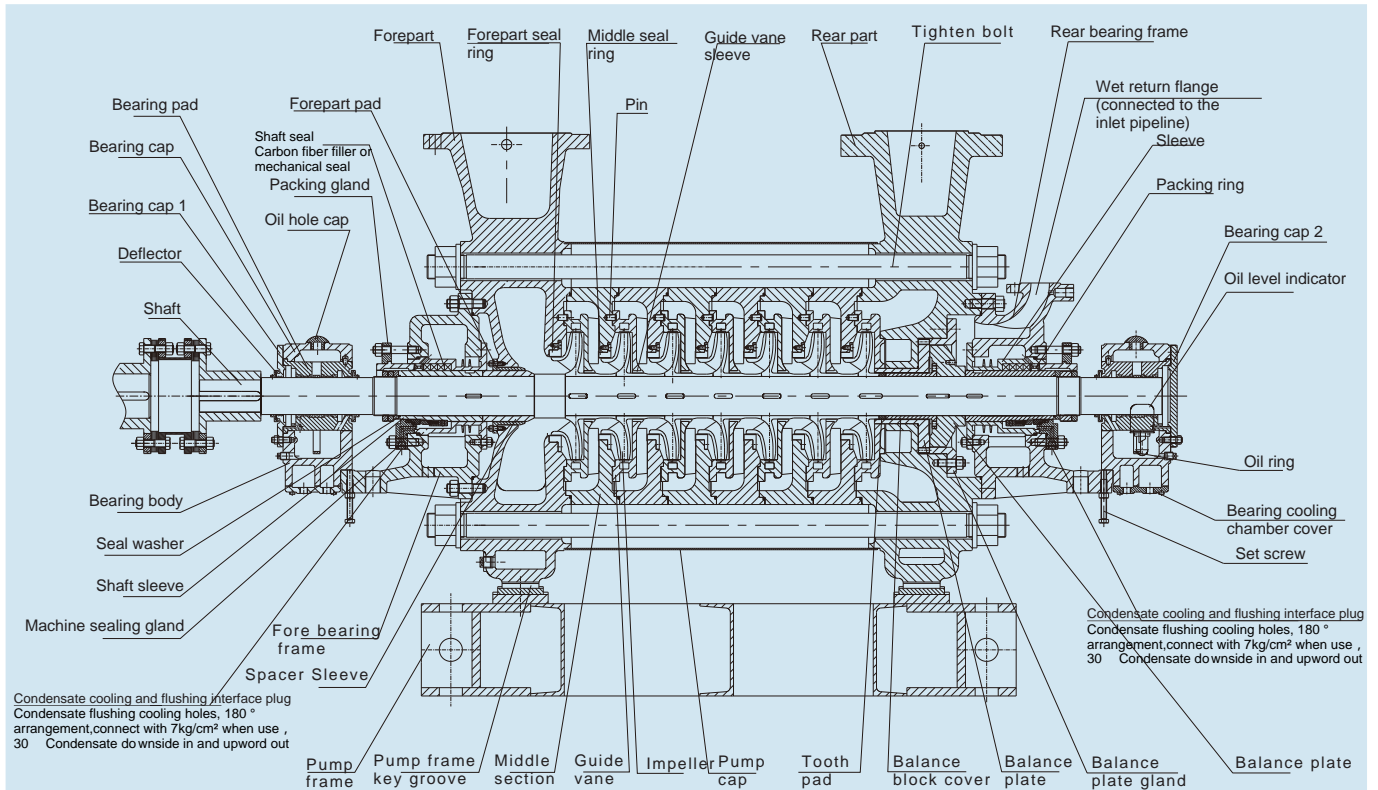
5.3 DG12-80 DG25-80 DG36-80 DG45-80



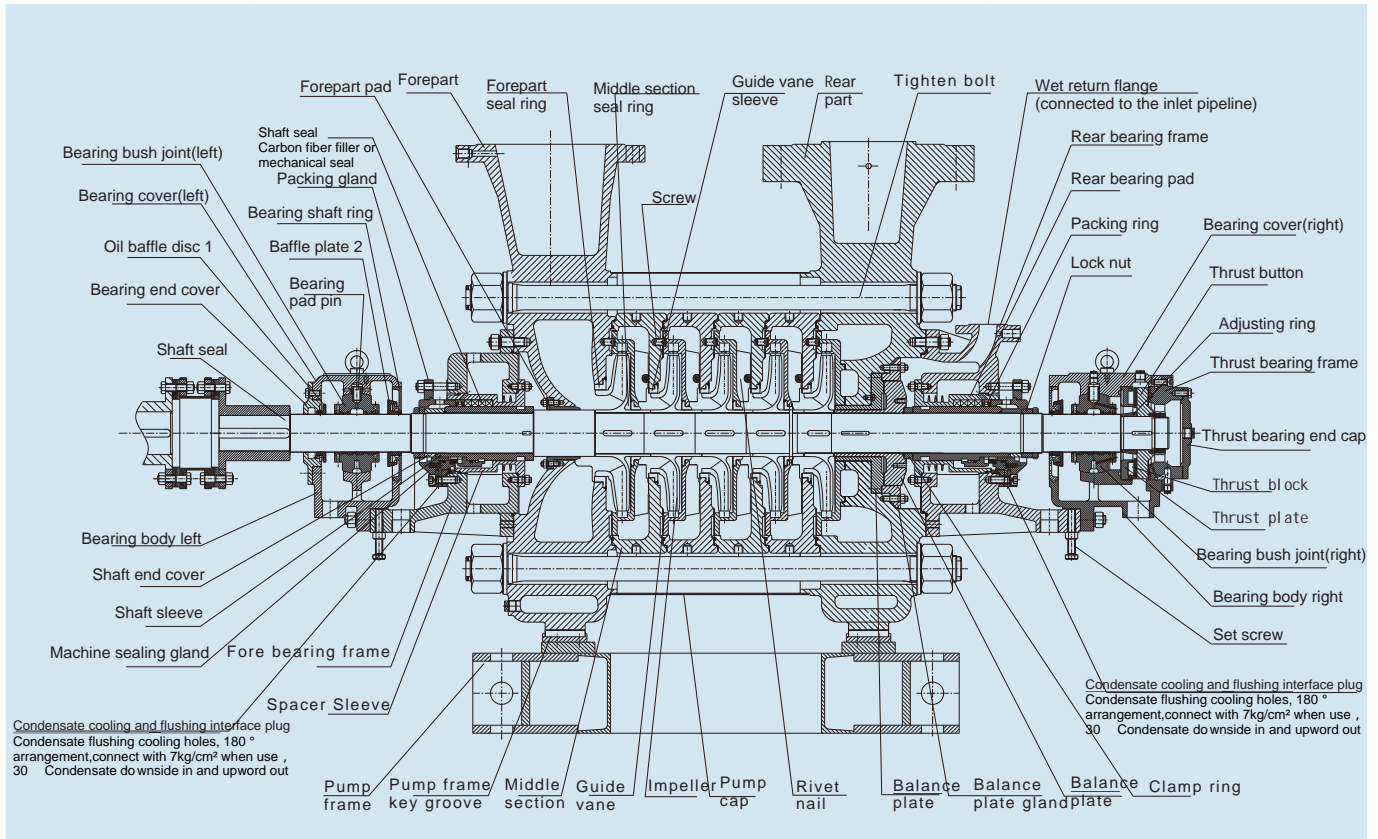
5.4 DG65-80、DG85-80 Structure drawing of sub-high pressure boiler feed pump



5.5 DG120-80 DG150-100 DG180-100 DG200-100 DG245-100 DG280-100

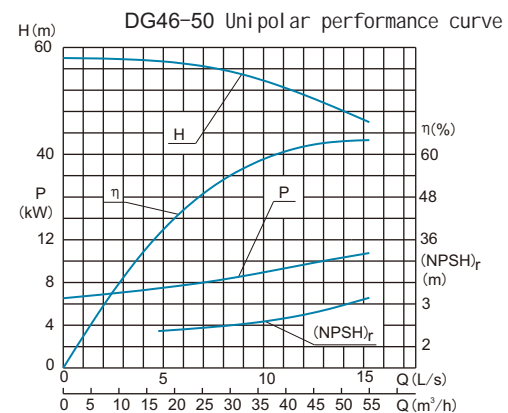
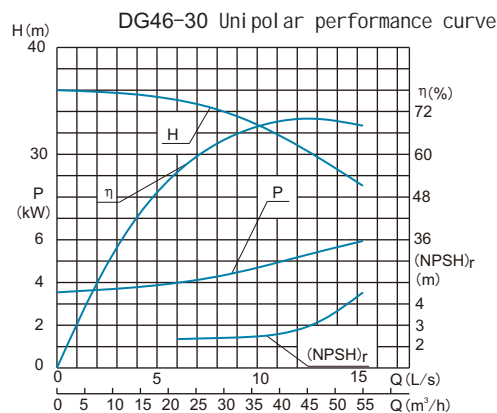
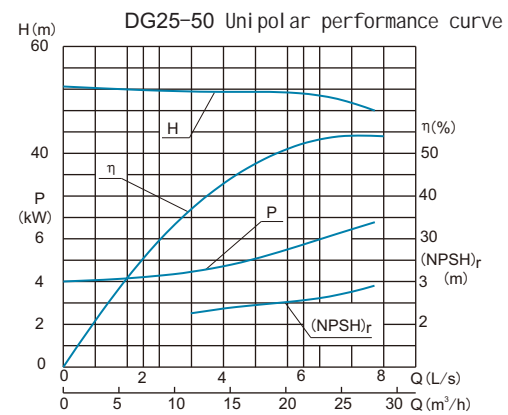
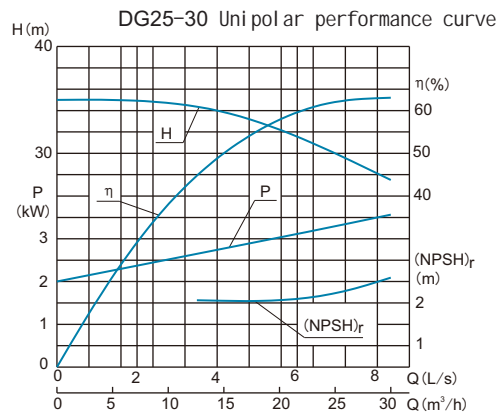
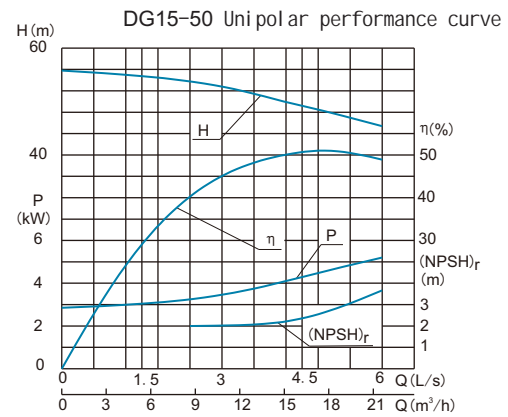
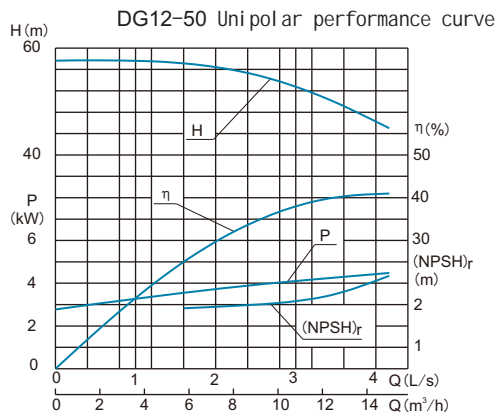
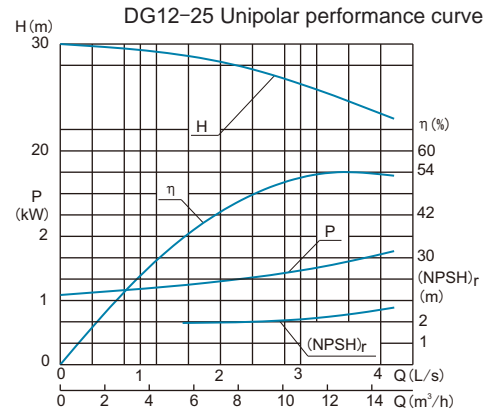
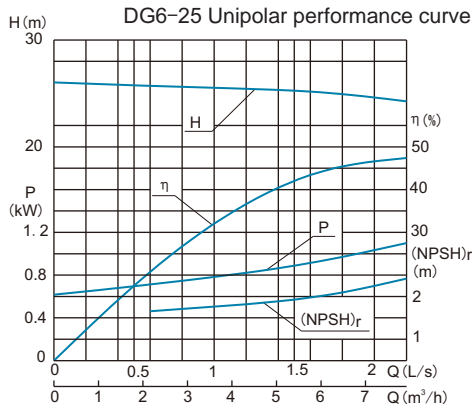


5.6 DG type high pressure boiler feed pump structure diagram

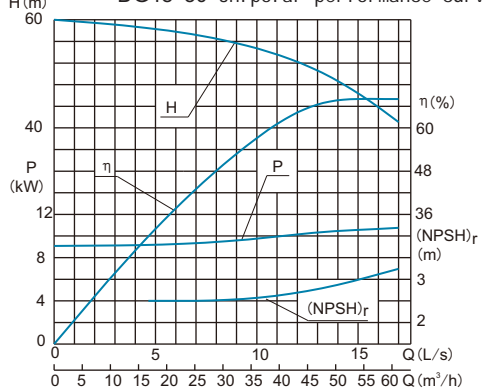


6. Performance curve of DG boiler feed pump

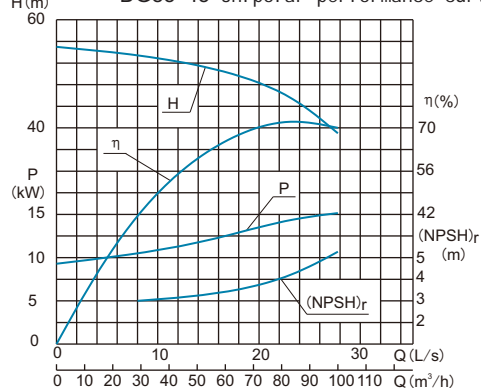
6.1 Performance curve of DG type low and medium pressure boiler feed water pump



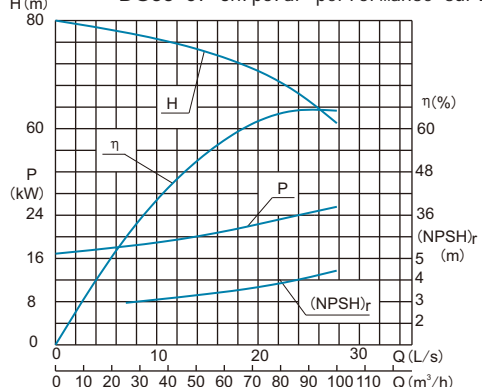
DG48-50 Uni polar performance curve



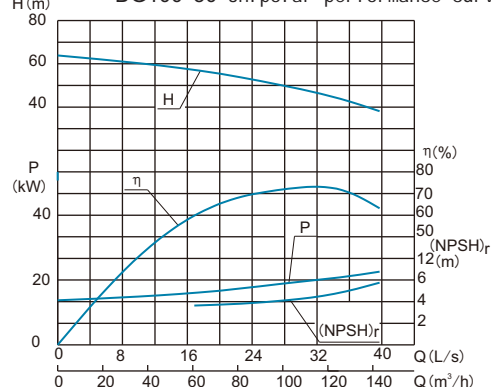
DG85-45 Uni polar performance curve



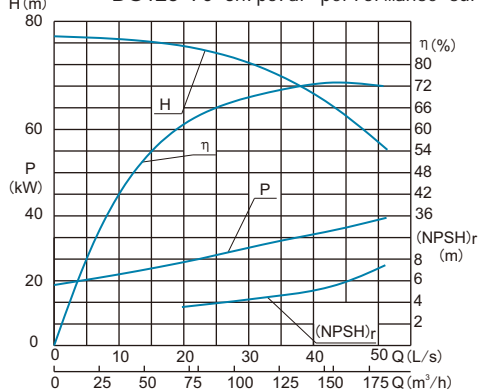
DG85-67 Uni polar performance curve



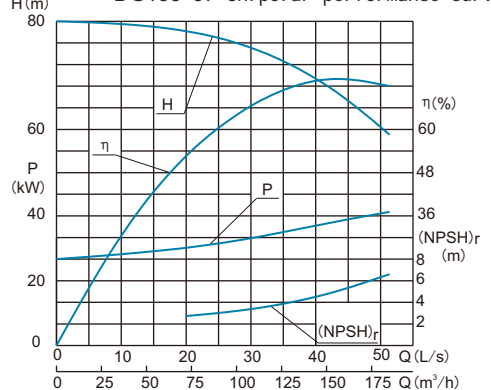
DG100-50 Uni polar performance curve



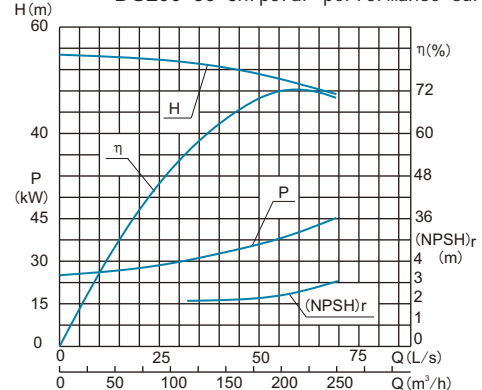
DG125-70 Uni polar performance curve



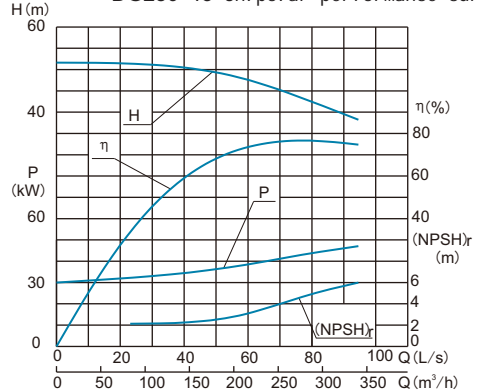
DG155-67 Uni polar performance curve



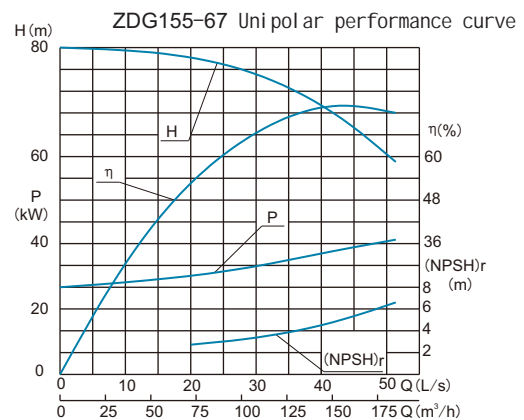
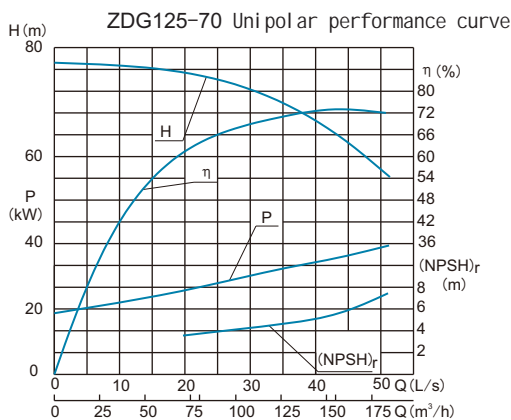
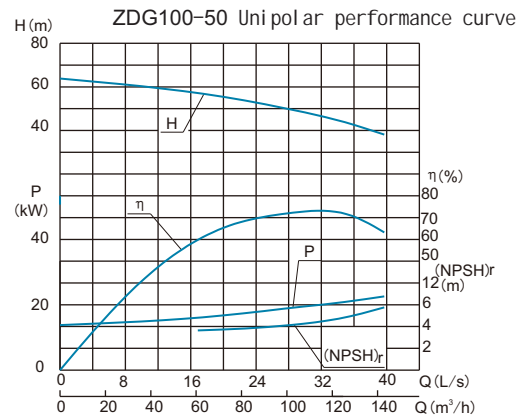
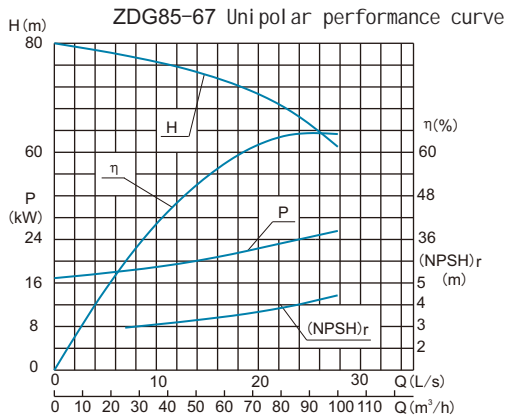
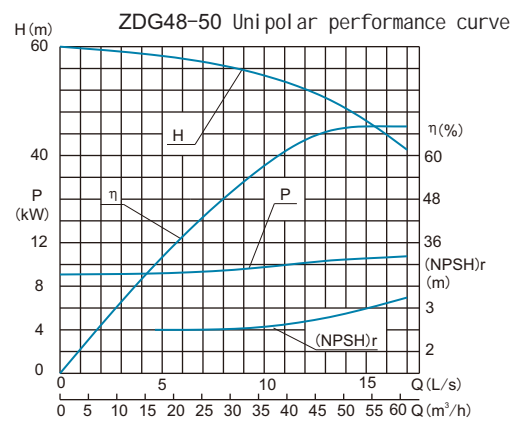
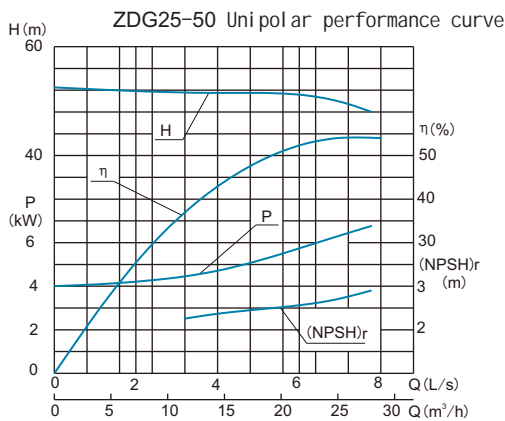
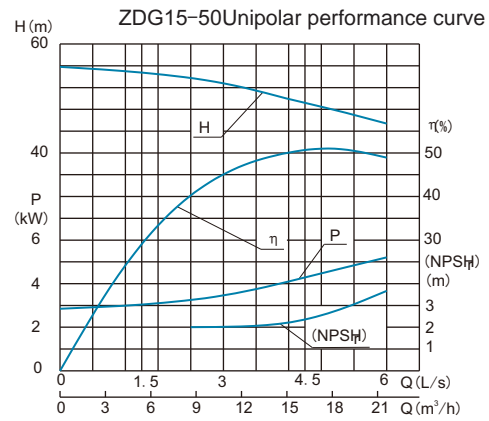
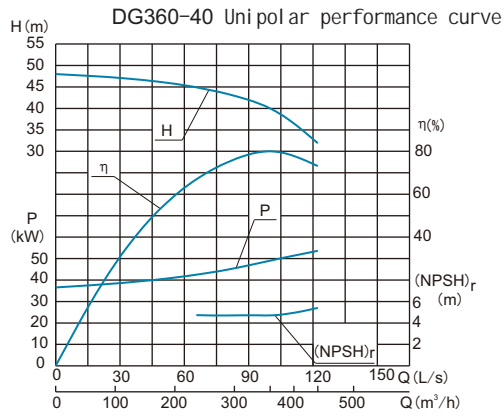
DG200-50 Uni polar performance curve



DG280-43 Uni polar performance curve

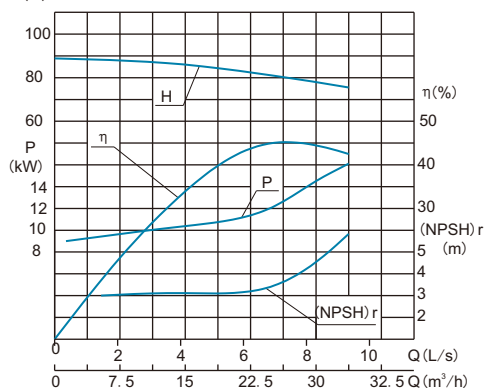


6.2 Performance curve of ZDG high temperature boiler feed pump

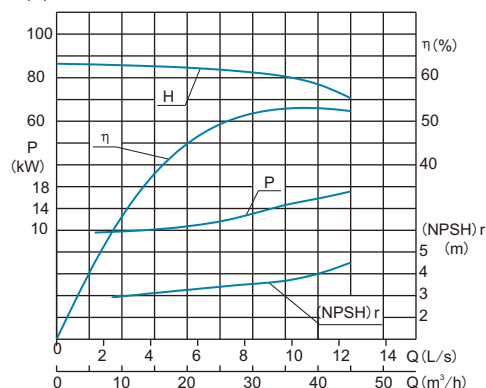


6.3 Performance curve of feed pump for DG sub-high pressure boiler

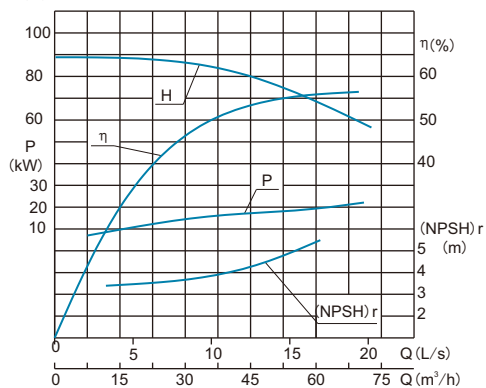
DG25-80 Uni polar performance curve



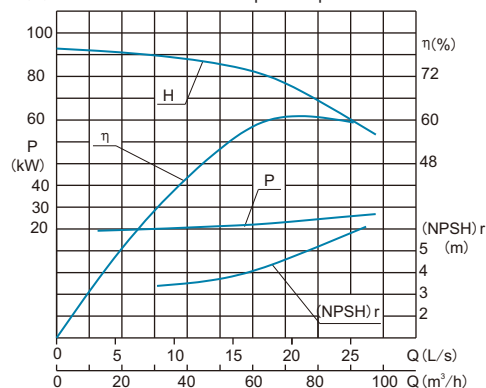
DG36-80 Uni polar performance curve



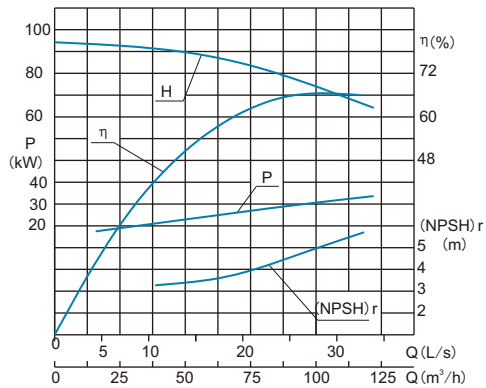
DG45-80 Uni polar performance curve



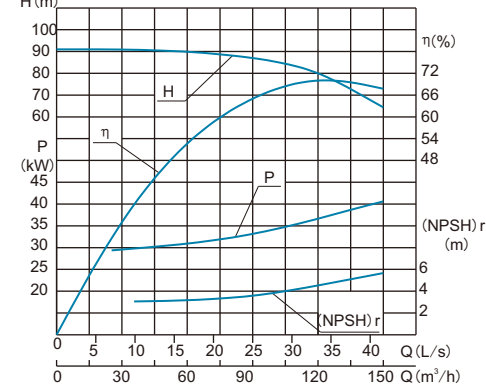
DG65-80 Uni polar performance curve



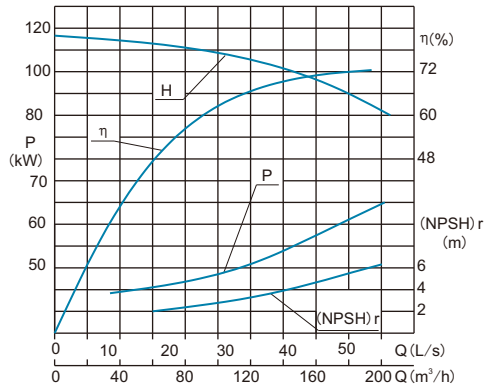
DG85-80 Unipolar performance curve



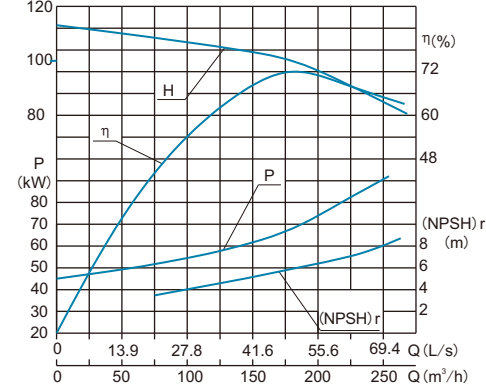
DG120-80 Unipolar performance curve

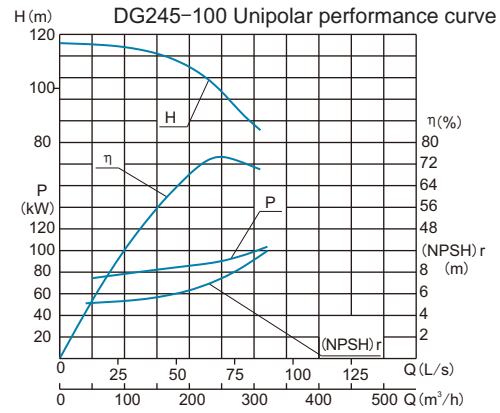
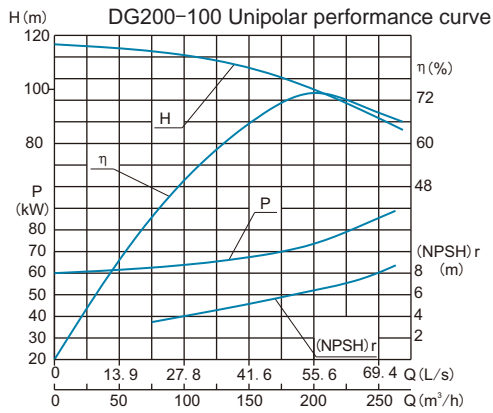


DG150-100 Unipolar performance curve

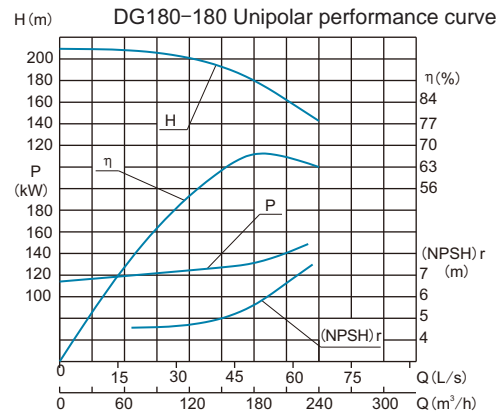
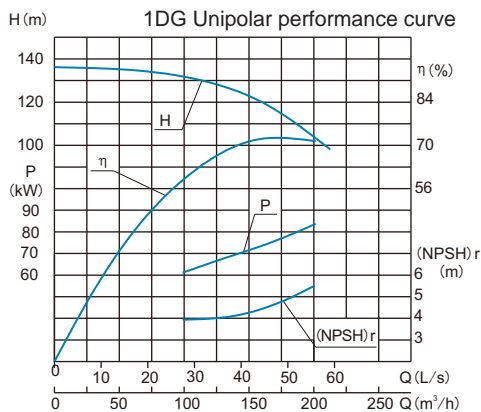
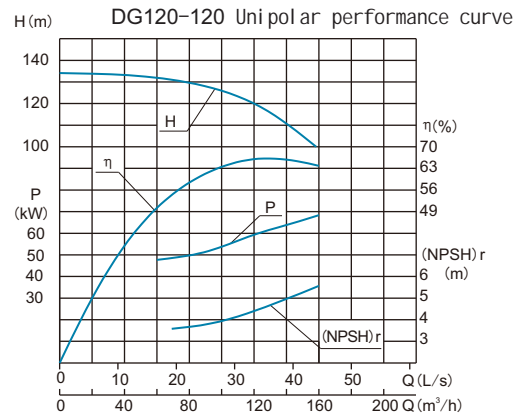
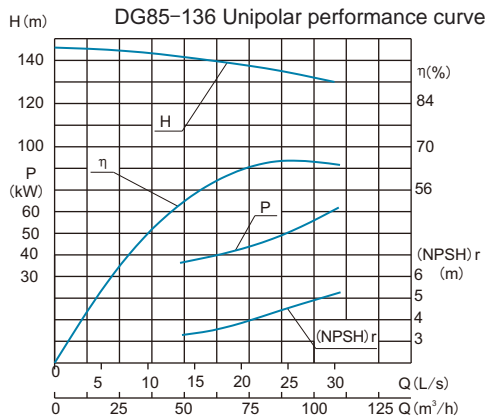
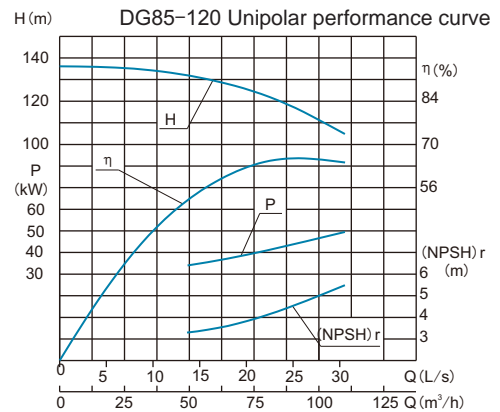
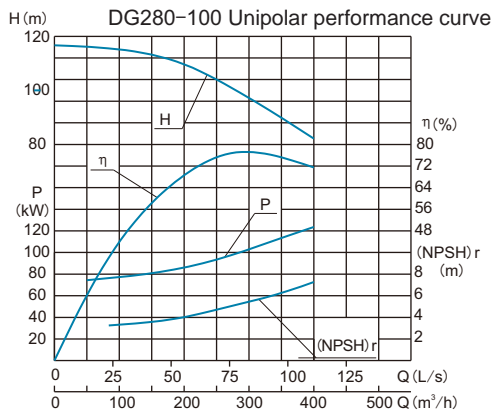


DG180-100 Unipolar performance curve

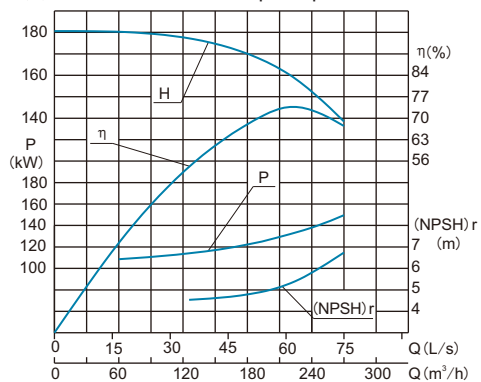




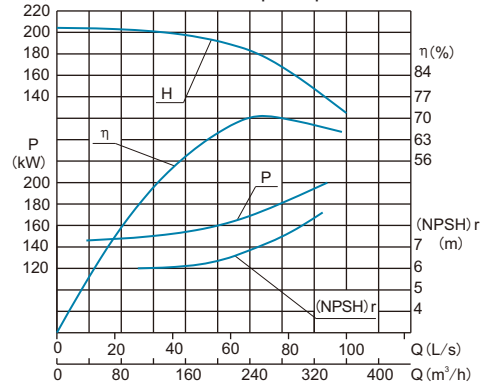
6.4 Performance curve of feed pump for DG high pressure boiler



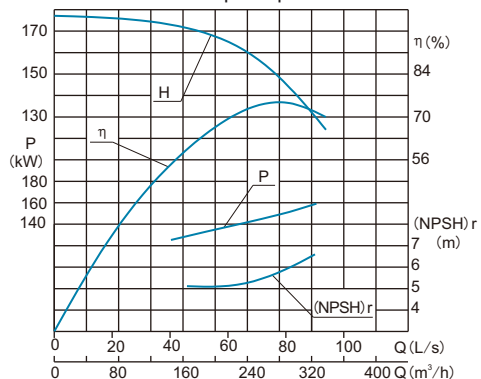
DG220-160 Unipolar performance curve



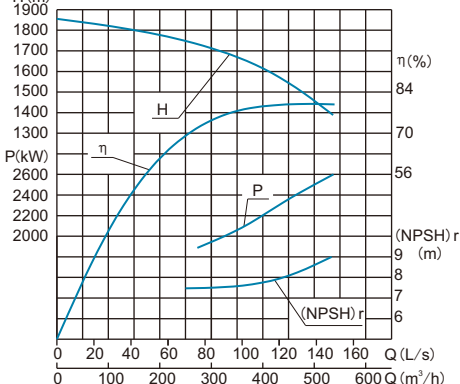
DG250-180 Unipolar performance curve



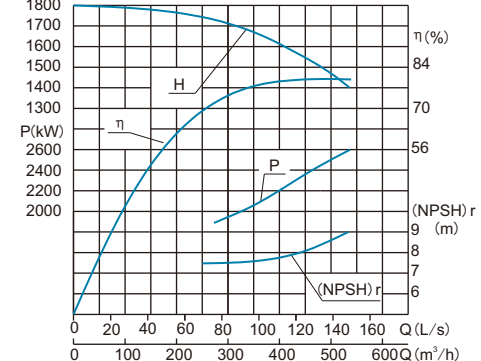
2DG Unipolar performance curve



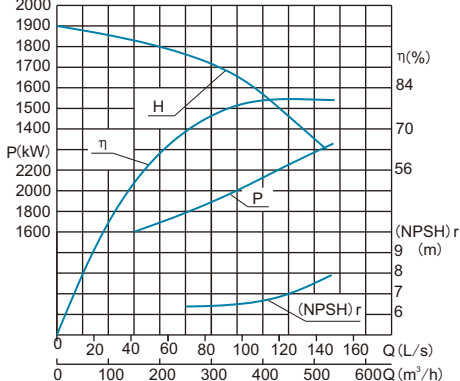
3DG-10 Performance curve



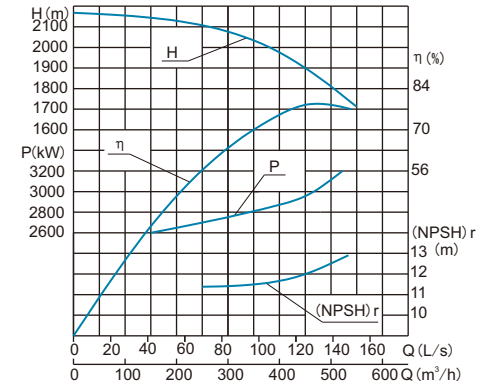
DG270-140B Performance curve



DG270-140C Performance curve



DG400-180C Performance curve



7. Performance parameter table of DG boiler feed pump

7.1 Performance parameter table of DG type medium and low pressure boiler feed pump

DG6-25×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	3.75	1.04	51	2980	1.58	3	33	2.0
	6.3	1.75	50		1.91		45	2.0
	7.5	2.08	49		2.13		47	2.5
3	3.75	1.04	76.5	2980	2.37	5.5	33	2.0
	6.3	1.75	75		2.86		45	2.0
	7.5	2.08	73.5		3.19		47	2.5
4	3.75	1.04	102	2980	3.16	7.5	33	2.0
	6.3	1.75	100		3.81		45	2.0
	7.5	2.08	98		4.26		47	2.5
5	3.75	1.04	127.5	2980	3.94	7.5	33	2.0
	6.3	1.75	125		4.76		45	2.0
	7.5	2.08	122.5		5.32		47	2.5
6	3.75	1.04	153	2980	4.73	11	33	2.0
	6.3	1.75	150		5.72		45	2.0
	7.5	2.08	147		6.39		47	2.5
7	3.75	1.04	178.5	2980	5.52	11	33	2.0
	6.3	1.75	175		6.67		45	2.0
	7.5	2.08	171.5		7.45		47	2.5
8	3.75	1.04	204	2980	6.31	15	33	2.0
	6.3	1.75	200		7.62		45	2.0
	7.5	2.08	196		8.51		47	2.5
9	3.75	1.04	229.5	2980	7.10	15	33	2.0
	6.3	1.75	225		8.58		45	2.0
	7.5	2.08	220.5		9.58		47	2.5
10	3.75	1.04	255	2980	7.89	18.5	33	2.0
	6.3	1.75	250		9.53		45	2.0
	7.5	2.08	245		10.64		47	2.5
11	3.75	1.04	280.5	2980	8.68	18.5	33	2.0
	6.3	1.75	275		10.48		45	2.0
	7.5	2.08	269.5		11.71		47	2.5
12	3.75	1.04	306	2980	9.47	18.5	33	2.0
	6.3	1.75	300		11.43		45	2.0
	7.5	2.08	294		12.77		47	2.5

DG12-25×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	7.5	2.08	56.4	2980	2.62	5.5	44	2.0
	12.5	3.47	50		3.15		54	2.0
	15	4.17	46		3.54		53	2.5
3	7.5	2.08	84.6	2980	3.93	7.5	44	2.0
	12.5	3.47	75		4.73		54	2.0
	15	4.17	69		5.32		53	2.5
4	7.5	2.08	112.8	2980	5.23	11	44	2.0
	12.5	3.47	100		6.30		54	2.0
	15	4.17	92		7.09		53	2.5
5	7.5	2.08	141	2980	6.54	11	44	2.0
	12.5	3.47	125		7.88		54	2.0
	15	4.17	115		8.86		53	2.5
6	7.5	2.08	169.2	2980	7.85	15	44	2.0
	12.5	3.47	150		9.45		54	2.0
	15	4.17	138		10.63		53	2.5
7	7.5	2.08	197.4	2980	9.16	15	44	2.0
	12.5	3.47	175		11.03		54	2.0
	15	4.17	161		12.33		53	2.5
8	7.5	2.08	225.6	2980	10.47	18.5	44	2.0
	12.5	3.47	200		12.60		54	2.0
	15	4.17	184		14.18		53	2.5
9	7.5	2.08	253.8	2980	11.78	18.5	44	2.0
	12.5	3.47	225		14.18		54	2.0
	15	4.17	207		15.95		53	2.5
10	7.5	2.08	282	2980	13.09	22	44	2.0
	12.5	3.47	250		15.75		54	2.0
	15	4.17	230		17.72		53	2.5
11	7.5	2.08	310.2	2980	14.39	22	44	2.0
	12.5	3.47	275		17.33		54	2.0
	15	4.17	253		19.49		53	2.5
12	7.5	2.08	338.4	2980	15.70	30	44	2.0
	12.5	3.47	300		18.90		54	2.0
	15	4.17	276		21.26		53	2.5

DG12-50×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	9	2.5	110	2980	7.81	15	34.5	2.0
	12.5	3.47	100		8.51		40	2.2
	15	4.17	90		8.96		41	2.7
3	9	2.5	165	2980	11.72	18.5	34.5	2.0
	12.5	3.47	150		12.76		40	2.2
	15	4.17	135		13.45		41	2.7

DG15-50×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	12	3.33	104	2980	7.23	15	47	2.0
	15	4.16	100		8.17		50	2.2
	18	5	96		9.22		51	2.7
3	12	3.33	156	2980	10.84	18.5	47	2.0
	15	4.16	150		12.25		50	2.2
	18	5	144		13.84		51	2.7
4	12	3.33	208	2980	14.46	22	47	2.0
	15	4.16	200		16.33		50	2.2
	18	5	192		18.45		51	2.7
5	12	3.33	261	2980	18.14	30	47	2.0
	15	4.16	250		20.42		50	2.2
	18	5	240		23.06		51	2.7
6	12	3.33	313	2980	21.75	30	47	2.0
	15	4.16	300		24.50		50	2.2
	18	5	288		27.67		51	2.7
7	12	3.33	365	2980	25.37	37	47	2.0
	15	4.16	350		28.58		50	2.2
	18	5	336		32.28		51	2.7
8	12	3.33	417	2980	28.98	45	47	2.0
	15	4.16	400		32.67		50	2.2
	18	5	384		36.89		51	2.7
9	12	3.33	469	2980	32.60	45	47	2.0
	15	4.16	450		36.75		50	2.2
	18	5	432		41.51		51	2.7
10	12	3.33	521	2980	36.21	55	47	2.0
	15	4.16	500		40.83		50	2.2
	18	5	480		46.12		51	2.7
11	12	3.33	573	2980	39.83	55	47	2.0
	15	4.16	550		44.92		50	2.2
	18	5	528		50.73		51	2.7
12	12	3.33	625	2980	43.44	75	47	2.0
	15	4.16	600		49.00		50	2.2
	18	5	576		55.34		51	2.7

DG25-30×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	15	4.17	68	2980	5.55	11	50	2.2
	25	6.94	60		6.59		62	2.2
	30	8.33	55		7.13		63	2.6
3	15	4.17	102	2980	8.33	15	50	2.2
	25	6.94	90		9.88		62	2.2
	30	8.33	82.5		10.69		63	2.6
4	15	4.17	136	2980	11.11	18.5	50	2.2
	25	6.94	120		13.17		62	2.2
	30	8.33	110		14.26		63	2.6
5	15	4.17	170	2980	13.88	22	50	2.2
	25	6.94	150		16.47		62	2.2
	30	8.33	137.5		17.82		63	2.6
6	15	4.17	204	2980	16.66	30	50	2.2
	25	6.94	180		19.76		62	2.2
	30	8.33	165		21.39		63	2.6

7	15	4.17	238		19.44		50	2.2
	25	6.94	210	2980	23.05	30	62	2.2
	30	8.33	192.5		24.95		63	2.6
8	15	4.17	272		22.21		50	2.2
	25	6.94	240	2980	26.34	37	62	2.2
	30	8.33	220		28.52		63	2.6
9	15	4.17	306		24.99		50	2.2
	25	6.94	270	2980	29.64	37	62	2.2
	30	8.33	247.5		32.08		63	2.6
10	15	4.17	340		27.77		50	2.2
	25	6.94	300	2980	32.93	45	62	2.2
	30	8.33	275		35.65		63	2.6
DG25-50×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	15	4.16	103		9.56		44	2.4
	25	6.94	100	2980	12.60	18.5	54	2.7
	28	7.78	96		13.55		54	2.8
3	15	4.16	154.5		14.34		44	2.4
	25	6.94	150	2980	18.90	22	54	2.7
	28	7.78	144		20.33		54	2.8
4	15	4.16	206		19.12		44	2.4
	25	6.94	200	2980	25.21	30	54	2.7
	28	7.78	192		27.10		54	2.8
5	15	4.16	257.5		23.90		44	2.4
	25	6.94	250	2980	31.51	37	54	2.7
	28	7.78	240		33.88		54	2.8
6	15	4.16	309		28.68		44	2.4
	25	6.94	300	2980	37.81	45	54	2.7
	28	7.78	288		40.65		54	2.8
7	15	4.16	360.5		33.46		44	2.4
	25	6.94	350	2980	44.11	55	54	2.7
	28	7.78	336		47.43		54	2.8
8	15	4.16	412		38.23		44	2.4
	25	6.94	400	2980	50.41	75	54	2.7
	28	7.78	384		54.20		54	2.8
9	15	4.16	463.5		43.01		44	2.4
	25	6.94	450	2980	56.71	75	54	2.7
	28	7.78	432		60.98		54	2.8
10	15	4.16	515		47.79		44	2.4
	25	6.94	500	2980	63.01	75	54	2.7
	28	7.78	480		67.75		54	2.8
11	15	4.16	566		52.53		44	2.4
	25	6.94	550	2980	69.32	90	54	2.7
	28	7.78	528		74.53		54	2.8
12	15	4.16	618		57.35		44	2.4
	25	6.94	600	2980	75.62	90	54	2.7
	28	7.78	576		81.30		54	2.8
DG46-30×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	30	8.34	68		8.68		64	2.4
	46	12.78	60	2980	10.73	15	70	3.0
	55	15.28	54		11.89		68	4.6
3	30	8.34	102		13.02		64	2.4
	46	12.78	90	2980	16.10	22	70	3.0
	55	15.28	81		17.83		68	4.6
4	30	8.34	136		17.35		64	2.4
	46	12.78	120	2980	21.47	30	70	3.0
	55	15.28	108		23.78		68	4.6
5	30	8.34	170		21.69		64	2.4
	46	12.78	150	2980	26.83	37	70	3.0
	55	15.28	135		29.72		68	4.6
6	30	8.34	204		26.03		64	2.4
	46	12.78	180	2980	32.20	37	70	3.0
	55	15.28	162		35.67		68	4.6
7	30	8.34	238		30.37		64	2.4
	46	12.78	210	2980	37.57	45	70	3.0
	55	15.28	189		41.61		68	4.6
8	30	8.34	272		34.71		64	2.4
	46	12.78	240	2980	42.93	55	70	3.0
	55	15.28	216		47.56		68	4.6
9	30	8.34	306		39.05		64	2.4
	46	12.78	270	2980	48.30	55	70	3.0
	55	15.28	243		53.50		68	4.6
10	30	8.34	340		43.39		64	2.4
	46	12.78	300	2980	53.67	75	70	3.0
	55	15.28	270		59.45		68	4.6
DG46-50×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)

2	30	8.34	111		16.79		54	2.5
	46	12.78	100	2980	19.88	30	63	2.8
	55	15.28	92		21.52		64	3.2
3	30	8.34	166.5		25.18		54	2.5
	46	12.78	150	2980	29.81	37	63	2.8
	55	15.28	138		32.28		64	3.2
4	30	8.34	222		33.57		54	2.5
	46	12.78	200	2980	39.75	45	63	2.8
	55	15.28	184		43.05		64	3.2
5	30	8.34	277.5		41.97		54	2.5
	46	12.78	250	2980	49.69	55	63	2.8
	55	15.28	230		53.81		64	3.2
6	30	8.34	333		50.36		54	2.5
	46	12.78	300	2980	59.63	75	63	2.8
	55	15.28	276		64.57		64	3.2
7	30	8.34	388.5		58.75		54	2.5
	46	12.78	350	2980	69.57	90	63	2.8
	55	15.28	322		75.33		64	3.2
8	30	8.34	444		67.15		54	2.5
	46	12.78	400	2980	79.51	90	63	2.8
	55	15.28	368		86.09		64	3.2
9	30	8.34	499.5		75.54		54	2.5
	46	12.78	450	2980	89.44	110	63	2.8
	55	15.28	414		96.85		64	3.2
10	30	8.34	555		83.94		54	2.5
	46	12.78	500	2980	99.38	132	63	2.8
	55	15.28	460		107.61		64	3.2
11	30	8.34	610.5		92.33		54	2.5
	46	12.78	550	2980	109.32	132	63	2.8
	55	15.28	506		118.37		64	3.2
12	30	8.34	666		100.72		54	2.5
	46	12.78	600	2980	119.26	160	63	2.8
	55	15.28	552		129.14		64	3.2
DG48-50×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	35	9.7	110		18.72		56	2.5
	48	13.3	100	2980	19.50	30	67	2.8
	60	16.7	84		20.18		68	3.2
3	35	9.7	165		28.07		56	2.5
	48	13.3	150	2980	29.25	37	67	2.8
	60	16.7	126		30.26		68	3.2
4	35	9.7	220		37.43		56	2.5
	48	13.3	200	2980	39.00	45	67	2.8
	60	16.7	168		40.35		68	3.2
5	35	9.7	275		46.79		56	2.5
	48	13.3	250	2980	48.76	55	67	2.8
	60	16.7	210		50.44		68	3.2
6	35	9.7	330		56.15		56	2.5
	48	13.3	300	2980	58.51	75	67	2.8
	60	16.7	252		60.53		68	3.2
7	35	9.7	385		65.50		56	2.5
	48	13.3	350	2980	68.26	90	67	2.8
	60	16.7	294		70.62		68	3.2
8	35	9.7	440		74.86		56	2.5
	48	13.3	400	2980	78.01	90	67	2.8
	60	16.7	336		80.71		68	3.2
9	35	9.7	495		84.22		56	2.5
	48	13.3	450	2980	87.76	110	67	2.8
	60	16.7	378		90.79		68	3.2
10	35	9.7	550		93.58		56	2.5
	48	13.3	500	2980	97.51	132	67	2.8
	60	16.7	420		100.88		68	3.2
11	35	9.7	605		102.93		56	2.5
	48	13.3	550	2980	107.26	132	67	2.8
	60	16.7	462		110.97		68	3.2
12	35	9.7	660		112.29		56	2.5
	48	13.3	600	2980	117.01	160	67	2.8
	60	16.7	504		121.06		68	3.2
DG85-45×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	55	15.28	102		24.2		63	3.2
	85	23.61	90	2980	28.9	37	72	4.2
	100	27.78	78		30.3		70	5.2
3	55	15.28	153		36.4		63	3.2
	85	23.61	135	2980	43.4	55	72	4.2
	100	27.78	117		45.5		70	5.2
4	55	15.28	204		48.5		63	3.2
	85	23.61	180	2980	57.8	75	72	4.2
	100	27.78	156		60.7		70	5.2

DG Type Boiler Feed Water Pump

5	55	15.28	255	2980	60.6	90	63	3.2
	85	23.61	225		72.3		72	4.2
	100	27.78	195		75.8		70	5.2
6	55	15.28	306	2980	72.7	110	63	3.2
	85	23.61	270		86.8		72	4.2
	100	27.78	234		91.0		70	5.2
7	55	15.28	357	2980	84.8	132	63	3.2
	85	23.61	315		101.2		72	4.2
	100	27.78	273		106.2		70	5.2
8	55	15.28	408	2980	97.0	132	63	3.2
	85	23.61	360		115.7		72	4.2
	100	27.78	312		121.3		70	5.2
9	55	15.28	459	2980	109.1	160	63	3.2
	85	23.61	405		130.2		72	4.2
	100	27.78	351		136.5		70	5.2
DG85-67×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	55	15.28	148	2980	41.0	75	54	3.3
	85	23.61	134		47.7		65	4.0
	100	27.78	122		51.1		65	4.4
3	55	15.28	222	2980	61.6	90	54	3.3
	85	23.61	201		71.6		65	4.0
	100	27.78	183		76.6		65	4.4
4	55	15.28	296	2980	82.1	110	54	3.3
	85	23.61	268		95.4		65	4.0
	100	27.78	244		102.2		65	4.4
5	55	15.28	370	2980	102.6	132	54	3.3
	85	23.61	335		119.3		65	4.0
	100	27.78	305		127.7		65	4.4
6	55	15.28	444	2980	123.1	160	54	3.3
	85	23.61	402		143.1		65	4.0
	100	27.78	366		153.3		65	4.4
7	55	15.28	518	2980	143.6	200	54	3.3
	85	23.61	469		167.0		65	4.0
	100	27.78	427		178.8		65	4.4
8	55	15.28	592	2980	164.1	220	54	3.3
	85	23.61	536		190.8		65	4.0
	100	27.78	488		204.4		65	4.4
9	55	15.28	666	2980	184.7	250	54	3.3
	85	23.61	603		214.7		65	4.0
	100	27.78	549		229.9		65	4.4
DG100-50×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	80	22.2	108	2980	34.6	55	68	3.8
	100	27.8	100		37.8		72	4.1
	125	34.7	88		41.6		72	4.8
3	80	22.2	162	2980	51.9	75	68	3.8
	100	27.8	150		56.7		72	4.1
	125	34.7	132		62.4		72	4.8
4	80	22.2	216	2980	69.2	90	68	3.8
	100	27.8	200		75.6		72	4.1
	125	34.7	176		83.2		72	4.8
5	80	22.2	270	2980	86.5	132	68	3.8
	100	27.8	250		94.5		72	4.1
	125	34.7	220		104.0		72	4.8
6	80	22.2	324	2980	103.8	132	68	3.8
	100	27.8	300		113.4		72	4.1
	125	34.7	264		124.8		72	4.8
7	80	22.2	378	2980	121.1	160	68	3.8
	100	27.8	350		132.3		72	4.1
	125	34.7	308		145.6		72	4.8
8	80	22.2	432	2980	138.4	200	68	3.8
	100	27.8	400		151.2		72	4.1
	125	34.7	352		166.4		72	4.8
9	80	22.2	486	2980	155.6	200	68	3.8
	100	27.8	450		170.1		72	4.1
	125	34.7	396		187.2		72	4.8
10	80	22.2	540	2980	172.9	250	68	3.8
	100	27.8	500		189.0		72	4.1
	125	34.7	440		207.9		72	4.8
11	80	22.2	594	2980	190.2	250	68	3.8
	100	27.8	550		207.9		72	4.1
	125	34.7	484		228.7		72	4.8
12	80	22.2	648	2980	207.5	280	68	3.8
	100	27.8	600		226.9		72	4.1
	125	34.7	528		249.5		72	4.8
DG125-70×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)

3	80	22.22	225	2980	76.6	132	64	3.2
	125	34.72	210		96.6		74	5.0
	155	43.06	192		112.5		72	6.6
4	80	22.22	300	2980	102.1	185	64	3.2
	125	34.72	280		128.8		74	5.0
	155	43.06	256		150.0		72	6.6
5	80	22.22	375	2980	127.6	220	64	3.2
	125	34.72	350		160.9		74	5.0
	155	43.06	320		187.5		72	6.6
6	80	22.22	450	2980	153.1	250	64	3.2
	125	34.72	420		193.1		74	5.0
	155	43.06	384		225.0		72	6.6
7	80	22.22	525	2980	178.6	315	64	3.2
	125	34.72	490		225.3		74	5.0
	155	43.06	448		262.5		72	6.6
8	80	22.22	600	2980	204.2	315	64	3.2
	125	34.72	560		257.5		74	5.0
	155	43.06	512		300.0		72	6.6
9	80	22.22	675	2980	229.7	355	64	3.2
	125	34.72	630		289.7		74	5.0
	155	43.06	576		337.6		72	6.6
DG155-67×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	100	27.78	152	2980	64.7	90	64	3.2
	155	43.06	134		76.4		74	5.0
	185	51.39	118		82.5		72	6.6
3	100	27.78	228	2980	97.0	132	64	3.2
	155	43.06	201		114.6		74	5.0
	185	51.39	177		123.8		72	6.6
4	100	27.78	304	2980	129.3	185	64	3.2
	155	43.06	268		152.8		74	5.0
	185	51.39	236		165.1		72	6.6
5	100	27.78	380	2980	161.6	220	64	3.2
	155	43.06	335		191.0		74	5.0
	185	51.39	295		206.3		72	6.6
6	100	27.78	456	2980	194.0	280	64	3.2
	155	43.06	402		229.2		74	5.0
	185	51.39	354		247.6		72	6.6
7	100	27.78	532	2980	226.3	315	64	3.2
	155	43.06	469		267.4		74	5.0
	185	51.39	413		288.9		72	6.6
8	100	27.78	608	2980	258.6	355	64	3.2
	155	43.06	536		305.6		74	5.0
	185	51.39	472		330.1		72	6.6
9	100	27.78	684	2980	290.9	450	64	3.2
	155	43.06	603		343.8		74	5.0
	185	51.39	531		371.4		72	6.6
DG200-50×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	160	44.4	104	1480	68.6	110	66	2.2
	200	55.6	100		75.6		72	2.4
	240	66.7	96		88.3		71	2.9
3	160	44.4	156	1480	102.9	160	66	2.2
	200	55.6	150		113.4		72	2.4
	240	66.7	144		132.5		71	2.9
4	160	44.4	208	1480	137.3	200	66	2.2
	200	55.6	200		151.2		72	2.4
	240	66.7	192		176.7		71	2.9
5	160	44.4	260	1480	171.6	250	66	2.2
	200	55.6	250		189.0		72	2.4
	240	66.7	240		220.8		71	2.9
6	160	44.4	312	1480	205.9	315	66	2.2
	200	55.6	300		226.9		72	2.4
	240	66.7	288		265.0		71	2.9
7	160	44.4	364	1480	240.2	355	66	2.2
	200	55.6	350		264.7		72	2.4
	240	66.7	336		309.2		71	2.9
8	160	44.4	416	1480	274.5	400	66	2.2
	200	55.6	400		302.5		72	2.4
	240	66.7	384		353.4		71	2.9
9	160	44.4	468	1480	308.8	450	66	2.2
	200	55.6	450		340.3		72	2.4
	240	66.7	432		397.5		71	2.9
10	160	44.4	520	1480	343.2	500	66	2.2
	200	55.6	500		378.1		72	2.4
	240	66.7	480		441.7		71	2.9
11	160	44.4	572	1480	377.5	560	66	2.2
	200	55.6	550		415.9		72	2.4
	240	66.7	528		485.9		71	2.9

12	160	44.4	624	411.8	66	2.2		
	200	55.6	600	453.7	72	2.4		
	240	66.7	576	530.0	71	2.9		
DG280-43×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	185	51.4	94	1480	68.6	110	69	3.0
	280	77.8	86		85.1		77	4.7
	335	93.1	76		92.4		75	6
3	185	51.4	141	1480	102.9	160	69	3.0
	280	77.8	129		127.7		77	4.7
	335	93.1	114		138.6		75	6
4	185	51.4	188	1480	137.2	220	69	3.0
	280	77.8	172		170.3		77	4.7
	335	93.1	152		184.8		75	6
5	185	51.4	235	1480	171.5	250	69	3.0
	280	77.8	215		212.8		77	4.7
	335	93.1	190		231.0		75	6
6	185	51.4	282	1480	205.8	315	69	3.0
	280	77.8	258		255.4		77	4.7
	335	93.1	228		277.2		75	6
7	185	51.4	329	1480	240.1	355	69	3.0
	280	77.8	301		298.0		77	4.7
	335	93.1	266		323.4		75	6
8	185	51.4	376	1480	274.4	400	69	3.0
	280	77.8	344		340.5		77	4.7
	335	93.1	304		369.6		75	6
9	185	51.4	423	1480	308.7	450	69	3.0
	280	77.8	387		383.1		77	4.7
	335	93.1	342		415.8		75	6
DG360-40×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	300	83.3	84	1480	89.1	132	77	4.7
	360	100	80		98.0		80	4.7
	440	122.2	71		110.4		77	5.4
3	300	83.3	126	1480	133.6	200	77	4.7
	360	100	120		147.0		80	4.7
	440	122.2	106.5		165.7		77	5.4
4	300	83.3	168	1480	178.2	250	77	4.7
	360	100	160		196.0		80	4.7
	440	122.2	142		220.9		77	5.4
5	300	83.3	210	1480	222.7	315	77	4.7
	360	100	200		245.0		80	4.7
	440	122.2	177.5		276.1		77	5.4
7.2. Performance parameter table of ZDG high temperature boiler feed pump								
ZDG15-50×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	12	3.33	104	2980	7.2	15	47	2.0
	15	4.16	100		8.2		50	2.2
	18	5	96		9.2		51	2.7
3	12	3.33	156	2980	10.9	18.5	47	2.0
	15	4.16	150		12.3		50	2.2
	18	5	144		13.8		51	2.7
4	12	3.33	208	2980	14.5	22	47	2.0
	15	4.16	200		16.4		50	2.2
	18	5	192		18.5		51	2.7
5	12	3.33	261	2980	18.2	30	47	2.0
	15	4.16	250		20.4		50	2.2
	18	5	240		23.1		51	2.7
6	12	3.33	313	2980	21.8	30	47	2.0
	15	4.16	300		24.5		50	2.2
	18	5	288		27.7		51	2.7
7	12	3.33	365	2980	25.4	37	47	2.0
	15	4.16	350		28.6		50	2.2
	18	5	336		32.3		51	2.7
8	12	3.33	417	2980	29.0	45	47	2.0
	15	4.16	400		32.7		50	2.2
	18	5	384		36.9		51	2.7
9	12	3.33	469	2980	32.6	45	47	2.0
	15	4.16	450		36.8		50	2.2
	18	5	432		41.5		51	2.7
10	12	3.33	521	2980	36.2	55	47	2.0
	15	4.16	500		40.9		50	2.2
	18	5	480		46.2		51	2.7
11	12	3.33	573	2980	39.9	55	47	2.0
	15	4.16	550		45.0		50	2.2
	18	5	528		50.8		51	2.7

12	12	3.33	625	43.5	47	2.0		
	15	4.16	600	49.1	50	2.2		
	18	5	576	55.4	51	2.7		
ZDG25-50×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	15	4.16	103	2980	9.6	18.5	44	2.4
	25	6.94	100		12.6		54	2.7
	28	7.78	96		13.6		54	2.8
3	15	4.16	154.5	2980	14.4	22	44	2.4
	25	6.94	150		18.9		54	2.7
	28	7.78	144		20.3		54	2.8
4	15	4.16	206	2980	19.1	30	44	2.4
	25	6.94	200		25.2		54	2.7
	28	7.78	192		27.1		54	2.8
5	15	4.16	257.5	2980	23.9	37	44	2.4
	25	6.94	250		31.5		54	2.7
	28	7.78	240		33.9		54	2.8
6	15	4.16	309	2980	28.7	45	44	2.4
	25	6.94	300		37.8		54	2.7
	28	7.78	288		40.7		54	2.8
7	15	4.16	360.5	2980	33.5	55	44	2.4
	25	6.94	350		44.2		54	2.7
	28	7.78	336		47.5		54	2.8
8	15	4.16	412	2980	38.3	75	44	2.4
	25	6.94	400		50.5		54	2.7
	28	7.78	384		54.3		54	2.8
9	15	4.16	463.5	2980	43.1	75	44	2.4
	25	6.94	450		56.8		54	2.7
	28	7.78	432		61.0		54	2.8
10	15	4.16	515	2980	47.8	75	44	2.4
	25	6.94	500		63.1		54	2.7
	28	7.78	480		67.8		54	2.8
11	15	4.16	566	2980	52.6	90	44	2.4
	25	6.94	550		69.4		54	2.7
	28	7.78	528		74.6		54	2.8
12	15	4.16	618	2980	57.4	90	44	2.4
	25	6.94	600		75.7		54	2.7
	28	7.78	576		81.4		54	2.8
ZDG48-50×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	35	9.7	110	2980	18.7	30	56	2.5
	48	13.3	100		19.5		67	2.8
	60	16.7	84		20.2		68	3.2
3	35	9.7	165	2980	28.1	37	56	2.5
	48	13.3	150		29.3		67	2.8
	60	16.7	126		30.3		68	3.2
4	35	9.7	220	2980	37.5	45	56	2.5
	48	13.3	200		39.0		67	2.8
	60	16.7	168		40.4		68	3.2
5	35	9.7	275	2980	46.8	55	56	2.5
	48	13.3	250		48.8		67	2.8
	60	16.7	210		50.5		68	3.2
6	35	9.7	330	2980	56.2	75	56	2.5
	48	13.3	300		58.6		67	2.8
	60	16.7	252		60.6		68	3.2
7	35	9.7	385	2980	65.6	90	56	2.5
	48	13.3	350		68.3		67	2.8
	60	16.7	294		70.7		68	3.2
8	35	9.7	440	2980	74.9	90	56	2.5
	48	13.3	400		78.1		67	2.8
	60	16.7	336		80.8		68	3.2
9	35	9.7	495	2980	84.3	110	56	2.5
	48	13.3	450		87.9		67	2.8
	60	16.7	378		90.9		68	3.2
10	35	9.7	550	2980	93.7	132	56	2.5
	48	13.3	500		97.6		67	2.8
	60	16.7	420		101.0		68	3.2
11	35	9.7	605	2980	103.0	132	56	2.5
	48	13.3	550		107.4		67	2.8
	60	16.7	462		111.1		68	3.2
12	35	9.7	660	2980	112.4	160	56	2.5
	48	13.3	600		117.1		67	2.8
	60	16.7	504		121.2		68	3.2
ZDG85-67×n								
Poles (n)	Flux (m³/h) (L/s)		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
2	55	15.28	148	2980	41.1	75	54	3.3
	85	23.61	134		47.8		65	4.0
	100	27.78	122		51.1		65	4.4

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3	55	15.28	222	2980	61.6	90	54	3.3
	85	23.61	201		71.6		65	4.0
	100	27.78	183		76.7		65	4.4
4	55	15.28	296	2980	82.2	110	54	3.3
	85	23.61	268		95.5		65	4.0
	100	27.78	244		102.3		65	4.4
5	55	15.28	370	2980	102.7	132	54	3.3
	85	23.61	335		119.4		65	4.0
	100	27.78	305		127.9		65	4.4
6	55	15.28	444	2980	123.2	160	54	3.3
	85	23.61	402		143.3		65	4.0
	100	27.78	366		153.4		65	4.4
7	55	15.28	518	2980	143.8	200	54	3.3
	85	23.61	469		167.1		65	4.0
	100	27.78	427		179.0		65	4.4
8	55	15.28	592	2980	164.3	220	54	3.3
	85	23.61	536		191.0		65	4.0
	100	27.78	488		204.6		65	4.4
9	55	15.28	666	2980	184.8	250	54	3.3
	85	23.61	603		214.9		65	4.0
	100	27.78	549		230.2		65	4.4
ZDG 100-50×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
2	80	22.2	108	2980	34.6	55	68	3.8
	100	27.8	100		37.8		72	4.1
	125	34.7	88		41.6		72	4.8
3	80	22.2	162	2980	51.9	75	68	3.8
	100	27.8	150		56.8		72	4.1
	125	34.7	132		62.4		72	4.8
4	80	22.2	216	2980	69.2	90	68	3.8
	100	27.8	200		75.7		72	4.1
	125	34.7	176		83.3		72	4.8
5	80	22.2	270	2980	86.6	132	68	3.8
	100	27.8	250		94.6		72	4.1
	125	34.7	220		104.1		72	4.8
6	80	22.2	324	2980	103.9	132	68	3.8
	100	27.8	300		113.5		72	4.1
	125	34.7	264		124.9		72	4.8
7	80	22.2	378	2980	121.2	160	68	3.8
	100	27.8	350		132.5		72	4.1
	125	34.7	308		145.7		72	4.8
8	80	22.2	432	2980	138.5	200	68	3.8
	100	27.8	400		151.4		72	4.1
	125	34.7	352		166.5		72	4.8
9	80	22.2	486	2980	155.8	200	68	3.8
	100	27.8	450		170.3		72	4.1
	125	34.7	396		187.3		72	4.8
10	80	22.2	540	2980	173.1	250	68	3.8
	100	27.8	500		189.2		72	4.1
	125	34.7	440		208.2		72	4.8
11	80	22.2	594	2980	190.4	250	68	3.8
	100	27.8	550		208.2		72	4.1
	125	34.7	484		229.0		72	4.8
12	80	22.2	648	2980	207.7	280	68	3.8
	100	27.8	600		227.1		72	4.1
	125	34.7	528		249.8		72	4.8
ZDG 125-70×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
2	80	22.22	150	2980	51.1	90	64	3.2
	125	34.72	140		64.4		74	5.0
	155	43.06	128		75.1		72	6.6
3	80	22.22	225	2980	76.6	132	64	3.2
	125	34.72	210		96.7		74	5.0
	155	43.06	192		112.6		72	6.6
4	80	22.22	300	2980	102.2	185	64	3.2
	125	34.72	280		128.9		74	5.0
	155	43.06	256		150.2		72	6.6
5	80	22.22	375	2980	127.6	220	64	3.2
	125	34.72	350		160.9		74	5.0
	155	43.06	320		187.5		72	6.6
6	80	22.22	450	2980	153.1	250	64	3.2
	125	34.72	420		193.1		74	5.0
	155	43.06	384		225.0		72	6.6
7	80	22.22	525	2980	178.6	315	64	3.2
	125	34.72	490		225.3		74	5.0
	155	43.06	448		262.5		72	6.6
8	80	22.22	600	2980	204.2	315	64	3.2
	125	34.72	560		257.5		74	5.0
	155	43.06	512		300.0		72	6.6

9	80	22.22	675	2980	229.7	355	64	3.2
	125	34.72	630		289.7		74	5.0
	155	43.06	576		337.6		72	6.6
ZDG 155-67×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
2	100	27.78	152	2980	64.7	90	64	3.2
	155	43.06	134		76.5		74	5.0
	185	51.39	118		82.6		72	6.6
3	100	27.78	228	2980	97.1	132	64	3.2
	155	43.06	201		114.7		74	5.0
	185	51.39	177		123.9		72	6.6
4	100	27.78	304	2980	129.4	185	64	3.2
	155	43.06	268		153.0		74	5.0
	185	51.39	236		165.2		72	6.6
5	100	27.78	380	2980	161.8	220	64	3.2
	155	43.06	335		191.2		74	5.0
	185	51.39	295		206.6		72	6.6
6	100	27.78	456	2980	194.2	280	64	3.2
	155	43.06	402		229.5		74	5.0
	185	51.39	354		247.9		72	6.6
7	100	27.78	532	2980	226.5	315	64	3.2
	155	43.06	469		267.7		74	5.0
	185	51.39	413		289.2		72	6.6
8	100	27.78	608	2980	258.9	355	64	3.2
	155	43.06	536		305.9		74	5.0
	185	51.39	472		330.5		72	6.6
9	100	27.78	684	2980	291.2	450	64	3.2
	155	43.06	603		344.2		74	5.0
	185	51.39	531		371.8		72	6.6
7.3 Performance parameter table of DG sub-high pressure boiler feed pump								
DG25-80×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
7	15	4.2	595	2980	71	110	34	3.2
	25	6.9	567		86		45	3.5
	30	8.3	542.5		101		44	5.0
8	15	4.2	680	2980	82	132	34	3.2
	25	6.9	648		98		45	3.5
	30	8.3	620		115		44	5.0
9	15	4.2	765	2980	92	160	34	3.2
	25	6.9	729		110		45	3.5
	30	8.3	697.5		129		44	5.0
10	15	4.2	850	2980	102	185	34	3.2
	25	6.9	810		123		45	3.5
	30	8.3	775		144		44	5.0
11	15	4.2	935	2980	112	200	34	3.2
	25	6.9	891		135		45	3.5
	30	8.3	852.5		158		44	5.0
12	15	4.2	1020	2980	123	200	34	3.2
	25	6.9	972		147		45	3.5
	30	8.3	930		173		44	5.0
DG36-80×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
7	28	7.8	581	2980	87	132	51	3.5
	36	10.0	560		104		53	3.7
	40	11.1	539		111		53	4.0
8	28	7.8	664	2980	99	132	51	3.5
	36	10.0	640		118		53	3.7
	40	11.1	616		127		53	4.0
9	28	7.8	747	2980	112	160	51	3.5
	36	10.0	720		133		53	3.7
	40	11.1	693		142		53	4.0
10	28	7.8	830	2980	124	185	51	3.5
	36	10.0	800		148		53	3.7
	40	11.1	770		158		53	4.0
11	28	7.8	913	2980	136	200	51	3.5
	36	10.0	880		163		53	3.7
	40	11.1	847		174		53	4.0
12	28	7.8	996	2980	149	200	51	3.5
	36	10.0	960		178		53	3.7
	40	11.1	924		190		53	4.0
DG45-80×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
6	36	10.0	500	2980	98.0	160	50	3.9
	45	12.5	480		106.9		55	4.2
	60	16.7	405		118.1		56	5.5

7	36	10.0	586		114.9	50	3.9	
	45	12.5	560	2980	124.7	160	55	4.2
	60	16.7	475		138.5	56	5.5	
8	36	10.0	670		131.3	50	3.9	
	45	12.5	640	2980	142.5	200	55	4.2
	60	16.7	545		159.0	56	5.5	
9	36	10.0	752		147.4	50	3.9	
	45	12.5	720	2980	160.4	220	55	4.2
	60	16.7	614		179.1	56	5.5	
10	36	10.0	836		163.9	50	3.9	
	45	12.5	800	2980	178.2	220	55	4.2
	60	16.7	682		198.9	56	5.5	
11	36	10.0	920		180.3	50	3.9	
	45	12.5	880	2980	196.0	250	55	4.2
	60	16.7	750		218.8	56	5.5	
12	36	10.0	1004		196.8	50	3.9	
	45	12.5	960	2980	213.8	280	55	4.2
	60	16.7	820		239.2	56	5.5	
DG65-80×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
7	50	13.9	602	2980	157.6	220	52	3.7
	65	18.1	560		165.1		60	4.3
	80	22.2	483		172.4		61	5.4
8	50	13.9	688	2980	180.1	250	52	3.7
	65	18.1	640		188.7		60	4.3
	80	22.2	552		197.1		61	5.4
9	50	13.9	774	2980	202.6	280	52	3.7
	65	18.1	720		212.3		60	4.3
	80	22.2	621		221.7		61	5.4
10	50	13.9	860	2980	225.1	315	52	3.7
	65	18.1	800		235.9		60	4.3
	80	22.2	690		246.3		61	5.4
11	50	13.9	946	2980	247.6	315	52	3.7
	65	18.1	880		259.5		60	4.3
	80	22.2	759		271.0		61	5.4
12	50	13.9	1032	2980	270.1	355	52	3.7
	65	18.1	960		283.1		60	4.3
	80	22.2	828		295.6		61	5.4
DG85-80×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
7	54	15.0	616	2980	170.9	250	53	3.5
	85	23.6	560		199.4		65	4.5
	108	30.0	490		218.3		66	5.3
8	54	15.0	705	2980	195.5	280	53	3.5
	85	23.6	640		227.8		65	4.5
	108	30.0	560		249.5		66	5.3
9	54	15.0	792	2980	219.7	355	53	3.5
	85	23.6	720		256.3		65	4.5
	108	30.0	630		280.6		66	5.3
10	54	15.0	880	2980	244.1	355	53	3.5
	85	23.6	800		284.8		65	4.5
	108	30.0	702		312.7		66	5.3
11	54	15.0	968	2980	268.5	400	53	3.5
	85	23.6	880		313.3		65	4.5
	108	30.0	770		343.0		66	5.3
12	54	15.0	1056	2980	292.9	450	53	3.5
	85	23.6	960		341.7		65	4.5
	108	30.0	840		374.2		66	5.3
DG120-80×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
8	90	25	696	2980	262	400	65	3.8
	120	33.3	640		299		70	4.8
	140	38.9	560		309		69	5.1
9	90	25	783	2980	295	450	65	3.8
	120	38.9	720		336		70	4.8
	140	38.9	630		348		69	5.1
10	90	25	870	2980	328	500	65	3.8
	120	33.3	800		373		70	4.8
	140	38.9	700		387		69	5.1
11	90	25	957	2980	361	560	65	3.8
	120	33.3	880		411		70	4.8
	140	38.9	770		425		69	5.1
12	90	25	1044	2980	394	630	65	3.8
	120	33.3	960		448		70	4.8
	140	38.9	840		464		69	5.1
DG150-100×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
8	120	33.3	640	2980	299	400	70	4.8
	140	38.9	560		309		69	5.1
9	120	38.9	720	2980	336	450	70	4.8
	140	38.9	630		348		69	5.1
10	120	33.3	800	2980	373	500	70	4.8
	140	38.9	700		387		69	5.1
11	120	33.3	880	2980	411	560	70	4.8
	140	38.9	770		425		69	5.1
12	120	33.3	960	2980	448	630	70	4.8
	140	38.9	840		464		69	5.1

6	120	33.3	630		307.2	450	67	3.4
	150	41.7	591	2980	344.8	500	70	4.8
	180	50.0	540		367.5		72	5.5
7	120	33.3	735		358.4	500	67	3.4
	150	41.7	690	2980	402.5	550	70	4.8
	180	50.0	630		428.8		72	5.5
8	120	33.3	840		409.6	630	67	3.4
	150	41.7	788	2980	459.7	680	70	4.8
	180	50.0	720		490.0		72	5.5
9	120	33.3	945		460.7	630	67	3.4
	150	41.7	886	2980	516.8	680	70	4.8
	180	50.0	810		551.3		72	5.5
10	120	33.3	1050		511.9	800	67	3.4
	150	41.7	985	2980	574.6	850	70	4.8
	180	50.0	900		612.5		72	5.5
DG180-100×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
6	140	38.9	624	2980	360.3	560	66	4.8
	180	50.0	600		408.3		72	5.8
	220	61.1	552		486.2		68	7.0
7	140	38.9	728	2980	420.4	630	66	4.8
	180	50.0	700		476.4		72	5.8
	220	61.1	644		567.2		68	7.0
8	140	38.9	832	2980	480.4	710	66	4.8
	180	50.0	800		544.4		72	5.8
	220	61.1	736		648.2		68	7.0
9	140	38.9	936	2980	540.5	800	66	4.8
	180	50.0	900		612.5		72	5.8
	220	61.1	828		729.2		68	7.0
10	140	38.9	1040	2980	600.5	900	66	4.8
	180	50.0	1000		680.6		72	5.8
	220	61.1	920		810.3		68	7.0
DG200-100×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
6	160	44.4	640	2980	409.9	560	68	5.4
	200	55.6	600		441.4		74	6.4
	240	66.7	550		513.3		70	7.6
7	160	44.4	746	2980	477.8	630	68	5.4
	200	55.6	700		515.0		74	6.4
	240	66.7	640		597.3		70	7.6
8	160	44.4	855	2980	547.6	710	68	5.4
	200	55.6	800		588.6		74	6.4
	240	66.7	735		686.0		70	7.6
9	160	44.4	960	2980	614.9	800	68	5.4
	200	55.6	900		662.2		74	6.4
	240	66.7	825		770.0		70	7.6
10	160	44.4	1067	2980	683.4	900	68	5.4
	200	55.6	1000		735.7		74	6.4
	240	66.7	915		854.0		70	7.6
DG245-100×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
6	200	56	648	2980	519	630	68	6.3
	245	68	600		534		75	7.3
	280	78	546		570		73	8.5
7	200	56	756	2980	605	710	68	6.3
	245	68	700		622		75	7.3
	280	78	637		665		73	8.5
8	200	56	864	2980	692	800	68	6.3
	245	68	800		711		75	7.3
	280	78	728		760		73	8.5
9	200	56	972	2980	778	900	68	6.3
	245	68	900		800		75	7.3
	280	78	819		855		73	8.5
10	200	56	1080	2980	865	1000	68	6.3
	245	68	1000		889		75	7.3
	280	78	910		950		73	8.5
DG280-100×n								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m ³ /h)	(L/s)						
6	196	54.4	660	2980	517.9	710	68	7.5
	280	77.8	600		593.9		77	8.0
	336	93.3	552		664.3		76	8.4
7	196	54.4	770	2980	604.2	800	68	7.5
	280	77.8	700		692.9		77	8.0
	336	93.3	644		775.1		76	8.4
8	196	54.4	880	2980	690.5	900	68	7.5
	280	77.8	800		791.9		77	8.0
	336	93.3	736		885.8		76	8.4

DG Type Boiler Feed Water Pump

9	196 280 336	54.4 77.8 93.3	990 900 828		776.8 890.9 996.5	1120	68 77 76	7.5 8.0 8.4
10	196 280 336	54.4 77.8 93.3	1100 1000 920		863.1 989.9 1107.2	1250	68 77 76	7.5 8.0 8.4
7.4 Performance parameter table of DG high pressure boiler feed pump								
DG85-120xn								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
7	60	16.7	903	2980	254.3	400	58	3.5
	85	23.6	840		299.0		65	4.5
	110	30.6	756		353.7		64	5.3
8	60	16.7	1032	2980	290.6	450	58	3.5
	85	23.6	960		341.7		65	4.5
	110	30.6	860		402.4		64	5.3
9	60	16.7	1162	2980	327.2	500	58	3.5
	85	23.6	1080		384.5		65	4.5
	110	30.6	964		451.0		64	5.3
10	60	16.7	1291	2980	363.6	560	58	3.5
	85	23.6	1200		427.2		65	4.5
	110	30.6	1068		499.7		64	5.3
11	60	16.7	1418	2980	399.3	630	58	3.5
	85	23.6	1320		469.9		65	4.5
	110	30.6	1172		548.4		64	5.3
12	60	16.7	1550	2980	436.5	710	58	3.5
	85	23.6	1440		512.6		65	4.5
	110	30.6	1276		597.0		64	5.3
DG85-136xn								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
7	60	16.7	980	2980	276.0	450	58	3.5
	85	23.6	952		338.9		65	4.5
	103	28.6	924		404.8		64	5.0
8	60	16.7	1120	2980	315.4	500	58	3.5
	85	23.6	1088		387.3		65	4.5
	103	28.6	1056		462.6		64	5.0
9	60	16.7	1260	2980	354.8	560	58	3.5
	85	23.6	1224		435.7		65	4.5
	103	28.6	1188		520.5		64	5.0
10	60	16.7	1400	2980	394.3	630	58	3.5
	85	23.6	1360		484.1		65	4.5
	103	28.6	1320		578.3		64	5.0
11	60	16.7	1540	2980	433.7	710	58	3.5
	85	23.6	1496		532.6		65	4.5
	103	28.6	1452		636.1		64	5.0
12	60	16.7	1680	2980	473.1	800	58	3.5
	85	23.6	1632		581.0		65	4.5
	103	28.6	1584		694.0		64	5.0
DG120-120xn								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
7	90	25.0	896	2980	359.9	500	61	3.9
	120	33.3	840		415.8		66	4.5
	150	41.7	735		461.7		65	5.3
8	90	25.0	1024	2980	411.3	560	61	3.9
	120	33.3	960		475.2		66	4.5
	150	41.7	840		527.7		65	5.3
9	90	25.0	1152	2980	462.7	630	61	3.9
	120	33.3	1080		534.5		66	4.5
	150	41.7	945		593.7		65	5.3
10	90	25.0	1280	2980	514.1	710	61	3.9
	120	33.3	1200		593.9		66	4.5
	150	41.7	1050		659.6		65	5.3
11	90	25.0	1408	2980	565.5	800	61	3.9
	120	33.3	1320		653.3		66	4.5
	150	41.7	1155		725.6		65	5.3
12	90	25.0	1536	2980	616.9	800	61	3.9
	120	33.3	1440		712.7		66	4.5
	150	41.7	1260		791.5		65	5.3
1DGxn								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
7	120	33.3	903	2980	453.8	800	65	3.9
	160	44.4	840		508.1		72	4.5
	200	55.6	756		579.7		71	5.4
8	120	33.3	1032	2980	518.6	800	65	3.9
	160	44.4	960		580.7		72	4.5
	200	55.6	860		659.5		71	5.4

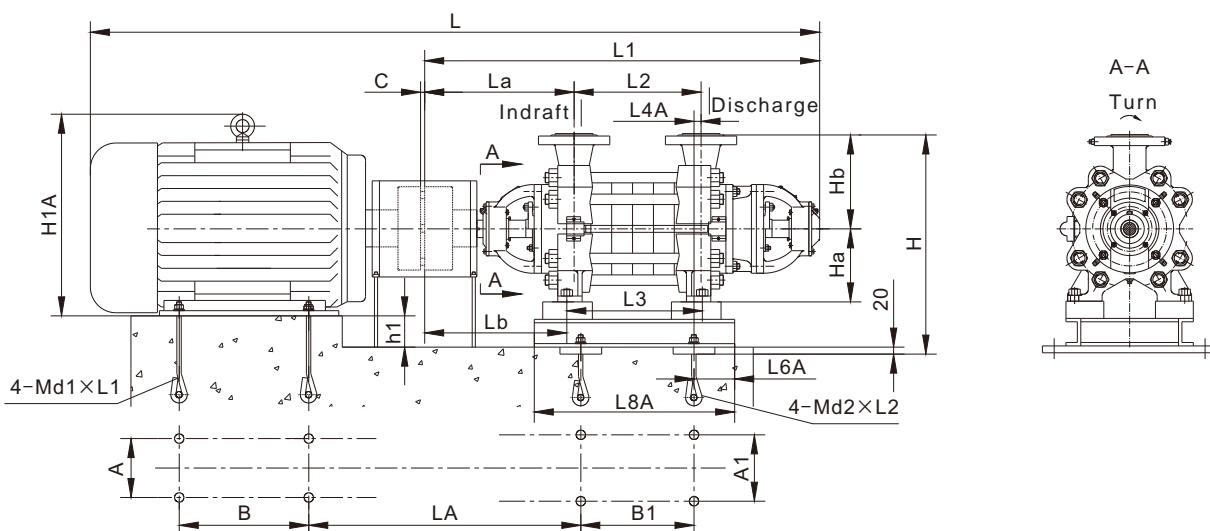
9	120 160 200	33.3 44.4 55.6	1162 1080 964		584.0 653.3 739.2	1000	65 72 71	3.9 4.5 5.4
10	120 160 200	33.3 44.4 55.6	1291 1200 1068		648.8 725.9 819.0	1000	65 72 71	3.9 4.5 5.4
11	120 160 200	33.3 44.4 55.6	1418 1320 1172		712.6 798.5 898.7	1000	65 72 71	3.9 4.5 5.4
12	120 160 200	33.3 44.4 55.6	1550 1440 1276		779.0 871.1 978.5	1000	65 72 71	3.9 4.5 5.4
DG180-180xn								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
10	150	41.7	1935	2980	1254	1600	63	5.0
	180	50	1800		1316.4		67	5.7
	210	58.3	1620		1447		64	7.0
11	150	41.7	2130	2980	1380.6	1600	63	5.0
	180	50	1980		1448.1		67	5.7
	210	58.3	1780		1590		64	7.0
12	150	41.7	2325	2980	1506.9	1800	63	5.0
	180	50	2160		1579.7		67	5.7
	210	58.3	1940		1732.8		64	7.0
DG250-180xn								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
10	210	58.3	1900	2980	1621	1800	67	6.5
	250	69.4	1800		1725		71	7.0
	280	77.8	1660		1808		70	7.5
11	210	58.3	2090	2980	1783	2000	67	6.5
	250	69.4	1980		1898		71	7.0
	280	77.8	1826		1988		70	7.5
12	210	58.3	2280	2980	1945	2240	67	6.5
	250	69.4	2160		2070		71	7.0
	280	77.8	1992		2169		70	7.5
DG220-160xn								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
7	190	52.8	1176	2980	868.9	1120	70	4.9
	220	61.1	1120		918.8		73	5.3
	250	69.4	1036		993.0		71	6.1
8	190	52.8	1344	2980	993.1	1250	70	4.9
	220	61.1	1280		1050.1		73	5.3
	250	69.4	1184		1134.9		71	6.1
9	190	52.8	1512	2980	1117.2	1400	70	4.9
	220	61.1	1440		1181.4		73	5.3
	250	69.4	1332		1276.8		71	6.1
10	190	52.8	1680	2980	1241.3	1600	70	4.9
	220	61.1	1600		1312.6		73	5.3
	250	69.4	1480		1418.6		71	6.1
2DGxn								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
7	240	66.7	1120	2980	1016.3	1250	72	5.2
	270	75.0	1057		1035.9		75	5.6
	300	83.3	984		1085.9		74	6.3
8	240	66.7	1280	2980	1161.5	1250	72	5.2
	270	75.0	1208		1183.8		75	5.6
	300	83.3	1120		1236.0		74	6.3
9	240	66.7	1438	2980	1304.9	1600	72	5.2
	270	75.0	1359		1331.8		75	5.6
	300	83.3	1258		1388.3		74	6.3
10	240	66.7	1596	2980	1448.2	1600	72	5.2
	270	75.0	1510		1479.8		75	5.6
	300	83.3	1398		1542.8		74	6.3
3DG-10								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
10	360	100.0	1660	2980	2085.6	2500	78	8.0
	440	122.2	1560		2365.2		79	
	500	138.9	1470		2501.0		80	
DG270-140B								
Poles (n)	F l u x		Head (m)	Speed (r/min)	Shaft power (kW)	Inlet Diam (kW)	EFF (%)	NPSHr (m)
	(m³/h)	(L/s)						
10	270	75.0	1570	2980	1559.4	2000	74	6.5
	320	88.9	1500		1719.3		76	
	360	100.0	1420		1784.1		78	

DG Type Boiler Feed Water Pump



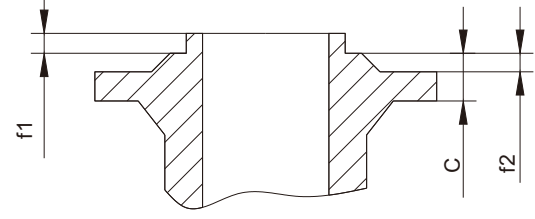
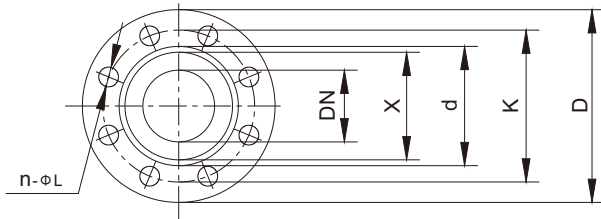
Model	Po le	Size mm																Motor		Weight kg		
		L	L1	L2	L4	L5	L6	L7	L8	La	Lb	Ha	Hb	C	H	H1	B1	B2	n-MdXl		Model	kW
DG25-30	2	1412	808	165	70		116	770	1067	344	333	170	210	4	470	485	440	440	4-M20X300	YE ₁ 160M1-2	11	165
	3	1477	873	230	70		116	835	1132	344	333	170	210	4	470	485	440	440	4-M20X300	YE ₁ 160M2-2	15	180
	4	1587	938	295	135		181	835	1227	344	333	170	210	4	470	485	440	440	4-M20X300	YE ₁ 160L-2	18.5	195
	5	1677	1003	360	175		221	890	1312	344	333	170	210	4	488	528	440	440	4-M20X300	YE ₁ 180M-2	22	210
	6	1847	1068	425	210		256	965	1423	344	333	170	210	4	508	573	440	440	4-M20X300	YE ₂ 200L1-2	30	225
	7	1912	1133	490	210		256	1030	1488	344	333	170	210	4	508	573	440	440	4-M20X300	YE ₂ 200L1-2	30	240
	8	1977	1198	555	305		351	996	1553	344	333	170	210	4	545	610	450	450	4-M20X300	YE ₂ 200L2-2	37	255
	9	2042	1263	620	305		351	1061	1618	344	333	170	210	4	545	610	450	450	4-M20X300	YE ₂ 200L2-2	37	270
	10	2147	1328	685	358		404	1031	1711	344	333	170	210	4	570	665	450	450	4-M20X300	YE ₂ 225M-2	45	285
	DG25-50	2	1531	881	185	162		195	745	1115	355	333	210	270	5	580	535	435	380	4-M20X300	YE ₁ 160L-2	18.5
3		1616	941	245	117		150	840	1190	355	333	210	270	5	580	560	490	490	4-M20X300	YE ₁ 180M-2	22	225
4		1781	1001	305	174		207	905	1292	355	333	210	270	5	580	585	500	500	4-M20X300	YE ₂ 200L1-2	30	250
5		1841	1061	365	204		237	935	1352	355	333	210	270	5	617	622	510	510	4-M20X300	YE ₂ 200L2-2	37	275
6		1941	1121	425	220		253	985	1433	355	333	210	270	5	630	665	540	540	4-M20X300	YE ₂ 225M-2	45	300
7		2116	1181	485	254	540	287	1075	1592	355	333	210	270	5	660	715	490	550	6-M20X300	YE ₂ 250M-2	55	325
8		2246	1241	545	281	675	314	1140	1722	355	333	210	270	5	690	780	490	650	6-M20X300	YE ₂ 280S-2	75	350
9		2306	1301	605	311	690	344	1170	1782	355	333	210	270	5	690	780	490	650	6-M20X300	YE ₂ 280S-2	75	375
10		2366	1361	665	341	705	374	1200	1842	355	333	210	270	5	690	780	490	650	6-M20X300	YE ₂ 280L-2	75	400
11		2476	1421	725	371	750	404	1265	2024	355	333	210	270	5	730	820	510	650	6-M20X300	YE ₂ 280M-2	90	425
12		2536	1481	785	401	765	434	1295	2084	355	333	210	270	5	730	820	510	650	6-M20X300	YE ₂ 280M-2	90	450
DG46-30		2	1412	808	165	70		116	770	1032	344	333	170	210	4	470	485	440	440	4-M20X300	YE ₁ 160M2-2	15
	3	1547	873	230	110		156	825	1147	344	333	170	210	4	488	528	440	440	4-M20X300	YE ₁ 180M-2	22	175
	4	1717	938	295	145		191	900	1293	344	333	170	210	4	508	573	440	440	4-M20X300	YE ₂ 200L1-2	30	190
	5	1782	1003	360	175		221	931	1358	344	333	170	210	4	545	610	450	450	4-M20X300	YE ₂ 200L2-2	37	205
	6	1847	1068	425	240		286	931	1423	344	333	170	210	4	545	610	450	450	4-M20X300	YE ₂ 200L2-2	37	220
	7	1952	1133	490	228		274	966	1516	344	333	170	210	4	570	665	450	450	4-M20X300	YE ₂ 225M-2	45	235
	8	2132	1198	555	273		322	1070	1677	344	333	170	210	4	600	715	470	560	4-M20X300	YE ₂ 250M-2	55	250
	9	2197	1263	620	338		387	1070	1742	344	333	170	210	4	600	715	470	562	4-M20X300	YE ₂ 250M-2	55	265
	10	2332	1328	685	324		373	1200	1880	344	333	170	210	4	630	780	530	615	4-M20X300	YE ₂ 280S-2	75	280
	DG46-50	2	1661	881	185	102		135	845	1180	355	333	210	270	5	605	610	500	500	4-M20X300	YE ₂ 200L1-2	30
3		1721	941	245	132		165	875	1240	355	333	210	270	5	605	610	500	500	4-M20X300	YE ₂ 200L2-2	37	256
4		1821	1001	305	157		190	922	1330	355	333	210	270	5	635	670	530	530	4-M20X300	YE ₂ 225M-2	45	275
5		1996	1061	365	194		227	970	1482	355	333	210	270	5	660	715	510	600	4-M20X300	YE ₂ 250M-2	55	294
6		2126	1121	425	224	515	257	1030	1610	355	333	210	270	5	690	780	510	620	6-M20X300	YE ₂ 280S-2	75	313
7		2236	1181	485	254	530	287	1060	1720	355	333	210	270	5	730	820	530	660	6-M20X300	YE ₂ 280M-2	90	355
8		2394	1344	590	327	545	360	1120	1852	382	360	210	270	5	730	820	530	660	6-M20X300	YE ₂ 280M-2	90	390
9		2649	1409	655	364	580	405	1170	1967	382	360	210	270	5	770	1050	530	720	6-M20X300	YE ₃ 315S-2	110	420
10		2784	1474	720	399	620	440	1240	2156	382	360	210	270	5	770	1050	530	720	6-M20X300	YE ₃ 315L-2	132	450
11		2849	1539	785	434	620	475	1270	2221	382	360	210	270	5	770	1050	530	720	6-M20X300	YE ₃ 315M-2	132	480
12		2914	1604	850	469	635	510	1300	2272	382	360	210	270	5	785	1050	530	720	6-M20X300	YE ₃ 315L-2	160	510
DG48-50		2	1729	954	200	117		150	872	1222	382	360	210	270	5	605	610	500	500	4-M20X300	YE ₂ 200L1-2	30
	3	1794	1019	265	152		185	902	1287	382	360	210	270	5	605	610	500	500	4-M20X300	YE ₂ 200L2-2	37	286
	4	1899	1084	330	182		215	949	1382	382	360	210	270	5	635	670	530	530	4-M20X300	YE ₂ 225M-2	45	305
	5	2079	1149	395	222		255	1000	1540	382	360	210	270	5	660	715	510	600	4-M20X300	YE ₂ 250M-2	55	324
	6	2214	1214	460	257	515	290	1060	1672	382	360	210	270	5	690	780	510	620	6-M20X300	YE ₂ 280M-2	75	343
	7	2329	1279	525	292	530	325	1090	1787	382	360	210	270	5	730	820	530	660	6-M20X300	YE ₂ 280M-2	90	365
	8	2394	1344	590	327	545	360	1120	1852	382	360	210	270	5	730	820	530	660	6-M20X300	YE ₂ 280M-2	90	390
	9	2649	1409	655	364	580	405	1170	1967	382	360	210	270	5	770	1050	530	720	6-M20X300	YE ₃ 315S-2	110	420
	10	2784	1474	720	399	620	440	1240	2156	382	360	210	270	5	770	1050	530	720	6-M20X300	YE ₃ 315M-2	132	450
	11	2849	1539	785	434	620	475	1270	2221	382	360	210	270	5	770	1050	530	720	6-M20X300	YE ₃ 315M-2	132	480
	12	2914	1604	850	469	635	510	1300	2272	382	360	210	270	5	785	1050	530	720	6-M20X300	YE ₃ 315L-2	160	510
	DG85-45	2	1695	915	203	98		157	860	1215	355	333	210	250	5	600	625	530	530	4-M20X300	YE ₂ 200L2-2	37
3		1924	989	277	131		190	985	1412	355	333	210	250	5	645	720	510	600	4-M20X300	YE ₂ 250M-2	55	248
4		2068	1063	351	171	600	230	1055	1565	355	333	210	250	5	675	785	510	630	4-M20X300	YE ₂ 280S-2	75	265
5		2192	1137	425	211	600	270	1110	1688	355	333	210	250	5	715	825	560	670	6-M20X300	YE ₂ 280M-2	90	285
6		2456	1211	499	241	720	310	1175	1798	355	333	210	250	5	755	1055	560	710	6-M20X300	YE ₃ 315S-2	110	303
7		2600	1285	573	281	745	350	1235	2008	355	333	210	250	5	755	1055	560	710	6-M20X300	YE ₃ 315M-2	132	320
8		2674	1359	647	320	745	389	1270	2082	355	333	210	250	5	755	1055	560	710	6-M20X300	YE ₃ 315M-2	132	340
9		2748	1433	721	359	770	428	1330	2123	355	333	210	250	5	755	1055	560	710	6-M20X300	YE ₃ 315L1-2	160	360
DG85-67	2	2185	1180	283	150		204	1135	1620	470	464	270	350	5	805	815	540	650	4-M24X300	YE ₂ 280S-2	75	540
	3	2323	1268	371	196		250	1202	1758	470	464	270	350	5	805	815	5					

DG medium and low pressure boiler feed water pump with single pump base installation dimensions



Model	Po le	With single pump base installation size mm																			Motor		Weight kg					
		L	L1	L2	L3	L4A	L6A	L8A	La	Lb	Ha	Hb	C	H	H1A	h1	A	B	A1	B1	LA	n		Md1X1	Md2X2	Model	KW	
DG85-45	9	2748	1433	721	772	51	100	832	355	333	210	250	5	660	865	75	508	508	440	632	764	4	M24X300	M20X300	YE_315L1-2	160	425	
DG85-67	6	2847	1532	635	635	46	100	755	470	464	270	350	5	820	865	135	508	508	540	555	865	4	M24X300	M24X300	YE_315L1-2	160	740	
	7	2935	1620	723	723	46	100	843	470	464	270	350	5	820	865	135	508	508	540	643	865	4	M24X300	M24X300	YE_315L2-2	200	790	
	8	3253	1708	811	811	46	100	931	470	464	270	350	5	820	1035	95	610	560	540	731	903	4	M24X300	M24X300	YE_355M1-2	220	840	
	9	3341	1796	899	899	46	100	1019	470	464	270	350	5	820	1035	95	610	560	540	819	903	4	M24X300	M24X300	YE_355M2-2	250	890	
DG85-67 Sliding bearing	6	2954	1639	635	635	46	100	755	539	533	270	350	5	820	865	135	508	508	540	555	934	4	M24X300	M24X300	YE_315L1-2	160	760	
	7	3042	1727	723	723	46	100	843	539	533	270	350	5	820	865	135	508	508	540	643	934	4	M24X300	M24X300	YE_315L2-2	200	810	
	8	3360	1815	811	811	46	100	931	539	533	270	350	5	820	1035	95	610	560	540	731	972	4	M24X300	M24X300	YE_355M1-2	220	860	
	9	3448	1903	899	899	46	100	1019	539	533	270	350	5	820	1035	95	610	560	540	819	972	4	M24X300	M24X300	YE_355M2-2	250	910	
DG100-50	7	2936	1621	723	723	46	100	843	470	464	270	350	5	845	865	160	508	508	540	643	865	4	M24X300	M24X300	YE_315L1-2	160	800	
	8	3024	1709	811	811	46	100	931	470	464	270	350	5	845	865	160	508	508	540	731	865	4	M24X300	M24X300	YE_315L2-2	200	850	
	9	3112	1797	899	899	46	100	1019	470	464	270	350	5	845	865	160	508	508	540	819	865	4	M24X300	M24X300	YE_315L2-2	200	900	
	10	3430	1885	987	987	46	100	1107	470	464	270	350	5	845	1035	120	610	560	540	907	903	4	M24X300	M24X300	YE_355M1-2	250	950	
	11	3518	1973	1075	1075	46	100	1195	470	464	270	350	5	845	1035	120	610	560	540	995	903	4	M24X300	M24X300	YE_355M2-2	250	1000	
	12	3606	2061	1163	1163	46	100	1283	470	464	270	350	5	845	1035	120	630	630	540	1083	903	4	M24X300	M24X300	YE_355L1-2	280	1050	
DG125-70	4	2771	1356	459	459	46	100	579	470	464	270	350	5	820	1010	95	610	500	540	379	903	4	M24X300	M24X300	YE_355S1-2	185	650	
	5	2989	1444	547	547	46	100	667	470	464	270	350	5	820	1035	95	610	560	540	467	903	4	M24X300	M24X300	YE_355M1-2	220	700	
	6	2947	1532	635	635	46	100	755	470	464	270	350	5	845	1035	120	610	560	540	555	903	4	M24X300	M24X300	YE_355M2-2	250	750	
	7	3165	1620	723	723	46	100	843	470	464	270	350	5	845	1035	120	610	630	540	643	903	4	M24X300	M24X300	YE_355L2-2	315	800	
	8	3343	1708	811	811	46	100	931	470	464	270	350	5	845	1035	120	610	630	540	731	903	4	M24X300	M24X300	YE_355L2-2	315	850	
	9	3551	1796	899	899	46	100	1019	470	464	270	350	5	845	1060	120	630	900	540	819	994	4	M24X300	M24X300	Y3555-2-6KV	355	900	
DG155-67	4	2771	1356	459	459	46	100	579	470	464	270	350	5	820	1010	95	610	500	540	379	903	4	M24X300	M24X300	YE_355S1-2	185	650	
	5	2989	1444	547	547	46	100	667	470	464	270	350	5	820	1035	95	610	560	540	467	903	4	M24X300	M24X300	YE_355M1-2	220	700	
	6	3077	1532	635	635	46	100	755	470	464	270	350	5	845	1035	120	610	630	540	555	903	4	M24X300	M24X300	YE_355L1-2	280	750	
	7	3165	1620	723	723	46	100	843	470	464	270	350	5	845	1035	120	610	630	540	643	903	4	M24X300	M24X300	YE_355L2-2	315	800	
	8	3253	1708	811	811	46	100	931	470	464	270	350	5	845	1060	120	630	900	540	731	994	4	M24X300	M24X300	Y3555-2-6KV	355	850	
	9	3891	1796	899	899	46	100	1019	470	464	270	350	5	845	1180	75	710	1000	540	819	1054	4	M30X400	M24X300	Y4001-2-6KV	450	900	
DG155-67 Sliding bearing	4	2878	1463	459	459	46	100	579	539	533	270	350	5	820	1010	95	610	500	540	379	972	4	M24X300	M24X300	YE_355S1-2	185	670	
	5	3096	1551	547	547	46	100	667	539	533	270	350	5	820	1035	95	610	560	540	467	972	4	M24X300	M24X300	YE_355M1-2	220	720	
	6	3184	1639	635	635	46	100	755	539	533	270	350	5	845	1035	120	610	630	540	555	972	4	M24X300	M24X300	YE_355L1-2	280	770	
	7	3272	1727	723	723	46	100	843	539	533	270	350	5	845	1035	120	610	630	540	643	972	4	M24X300	M24X300	YE_355L2-2	315	820	
	8	3360	1815	811	811	46	100	931	539	533	270	350	5	845	1060	120	630	900	540	731	1063	4	M24X300	M24X300	Y3555-2-6KV	355	870	
	9	3998	1903	899	899	46	100	1019	539	533	270	350	5	845	1180	75	710	1000	540	819	1123	4	M30X400	M24X300	Y4001-2-6KV	450	920	
DG200-50	3	2888	1442	489	436	63	100	556	491	521	330	450	5	980	1020	195	508	508	660	356	953	4	M24X400	M24X400	YE_315L1-4	160	787	
	4	3010	1564	611	558	63	100	678	491	521	330	450	5	980	1020	195	508	508	660	478	953	4	M24X400	M24X400	YE_315L2-4	200	907	
	5	3262	1686	733	680	63	100	800	491	521	330	450	5	980	1080	155	610	560	660	600	991	4	M24X400	M24X400	YE_355M2-4	250	1027	
	6	3504	1808	855	802	63	100	922	491	521	330	450	5	1000	1080	175	610	630	660	722	991	4	M24X400	M24X400	YE_355L2-4	315	1147	
	7	4136	1930	977	924	63	100	1044	491	521	330	450	5	1000	1140	130	710	1000	660	844	1057	4	M24X400	M24X400	Y4002-4-6KV	355	1267	
	8	4258	2052	1099	1046	63	100	1166	491	521	330	450	5	1000	1140	130	710	1000	660	966	1057	4	M24X400	M24X400	Y4003-4-6KV	400	1387	
	9	4380	2174	1221	1168	63	100	1288	491	521	330	450	5	1000	1140	130	710	1000	660	1088	550	1057	6	M30X400	M24X400	Y4004-4-6KV	450	1507
	10	4612	2296	1343	1290	63	100	1410	491	521	330	450	5	1000	1250	80	800	1120	660	1210	610	1057	6	M30X400	M24X400	Y4501-4-6KV	500	1627
	11	4734	2418	1465	1412	63	100	1532	491	521	330	450	5	1000	1250	80	800	1120	660	1332	670	1057	6	M30X400	M24X400	Y4502-4-6KV	560	1747
	12	4856	2540	1587	1534	63	100	1654	491	521	330	450	5	1000	1250	80	800	1120	660	1454	730	1057	6	M30X400	M24X400	Y4503-4-6KV	630	1867
	DG280-43	3	2911	1465	505	452	63	100	572	491	521	330	450	5	980	1020	195	508	508	660	372	953	4	M24X400	M24X400	YE_315L1-4	160	787
		4	3171	1595	635	582	63	100	702	491	521	330	450	5	980	1080	155	610	560	660	502	991	4	M24X400	M24X400	YE_355M1-4	220	908
5		3301	1725	765	712	63	100	832	491	521	330	450	5	980	1080	155	610	630	660	632	991	4	M24X400	M24X400	YE_355M2-4	250	1028	
6		3551	1855	895	842	63	100	962	491	521	330	450	5	1000	1080	175	610	630	660	762	991	4	M24X400	M24X400	YE_355L2-4	315	1149	
7		4191	1985	1025	972	63	100	1092	491	521	330	450	5	1000	1140	130	710	1000	660	892	1057	4	M30X400	M24X400	Y4002-4-6KV	355	1270	
8		4321	2115	1155	1102	63	100	1222	491	521	330	450	5	1000	1140	130	710	1000	660	1022	1057	4	M30X400	M24X400	Y4003-4-6KV	400	1390	
	9	4451	2245	1285	1232	63	100	1352	491	521	330	450	5	1000	114													

Pump inlet and outlet flange size



Model	inlet flange									outlet flange								
	DN	X	d	K	D	f1/f2	C	n-ΦL	Steel flange	DN	X	d	K	D	f1/f2	C	n-ΦL	Steel flange
DG6-25	40	-	80	100	130	-/3	18	4-Φ13.5	GB/T9115.1-2000,PN0.6MPa	40	75	88	110	150	4/3	22	4-Φ17.5	GB/T9115.2-2000,PN4MPa
DG12-25	50	-	90	110	140	-/3	18	4-Φ13.5	GB/T9115.1-2000,PN0.6MPa	40	75	88	110	150	4/3	22	4-Φ17.5	GB/T9115.2-2000,PN4MPa
DG12-50	65	109	130	160	205	4/3	28	8-Φ23	GB/T9115.1-2000,PN6.3MPa	65	109	130	160	205	4/3	28	8-Φ22	GB/T9115.2-2000,PN6.3MPa
DG15-50	65	109	130	160	205	4/3	28	8-Φ22	GB/T9115.2-2000,PN6.3MPa	65	109	130	160	205	4/3	28	8-Φ22	GB/T9115.2-2000,PN6.3MPa
DG25-30	65	-	110	130	160	-/3	20	4-Φ13.5	GB/T9115.1-2000,PN0.6MPa	65	109	122	145	185	4/3	28	8-Φ17.5	GB/T9115.2-2000,PN4MPa
DG25-50	65	109	130	160	205	4/3	28	8-Φ22	GB/T9115.2-2000,PN6.3MPa	65	109	130	160	205	4/3	28	8-Φ22	GB/T9115.2-2000,PN6.3MPa
DG46-30	80	-	128	150	190	-/3	22	4-Φ17.5	GB/T9115.1-2000,PN0.6MPa	65	109	122	145	185	4/3	28	8-Φ18	GB/T9115.2-2000,PN4MPa
DG46-50	80	120	133	170	215	4/3	30	8-Φ22	GB/T9115.2-2000,PN6.3MPa	80	120	133	170	215	4/3	30	8-Φ22	GB/T9115.2-2000,PN6.3MPa
DG48-50	80	120	133	170	215	4/3	30	8-Φ22	GB/T9115.2-2000,PN6.3MPa	80	120	133	170	215	4/3	30	8-Φ22	GB/T9115.2-2000,PN6.3MPa
DG85-45	100	-	148	170	210	-/3	24	4-Φ17.5	GB/T9115.1-2000,PN0.6MPa	100	149	160	190	235	4.5/3	30	8-Φ22	GB/T9115.2-2000,PN4MPa
DG85-67	100	149	168	200	250	4.5/3	32	8-Φ26	GB/T9115.2-2000,PN6.3MPa	100	149	168	200	250	4.5/3	32	8-Φ26	GB/T9115.2-2000,PN6.3MPa
DG100-50	150	203	242	280	345	4.5/3	38	8-Φ33	GB/T9115.2-2000,PN6.3MPa	100	149	168	200	250	4.5/3	32	8-Φ26	GB/T9115.2-2000,PN6.3MPa
DG125-70	150	203	242	280	345	4.5/3	38	8-Φ33	GB/T9115.2-2000,PN6.3MPa	150	203	242	280	345	4.5/3	38	8-Φ33	GB/T9115.2-2000,PN6.3MPa
DG155-67	150	203	242	280	345	4.5/3	38	8-Φ33	GB/T9115.2-2000,PN6.3MPa	150	203	242	280	345	4.5/3	38	8-Φ33	GB/T9115.2-2000,PN6.3MPa
DG200-50	200	-	268	295	340	-/3	35	8-Φ22	GB/T9115.1-2000,PN1.0MPa	200	259	285	345	415	4.5/3	42	12-Φ36	GB/T9115.2-2000,PN6.3MPa
DG280-43	200	-	268	295	340	-/3	35	8-Φ22	GB/T9115.1-2000,PN1.0MPa	200	259	285	320	375	4.5/3	38	12-Φ30	GB/T9115.2-2000,PN4.0MPa
DG360-40	200	-	268	295	340	-/3	35	8-Φ22	GB/T9115.1-2000,PN1.0MPa	200	259	285	320	375	4.5/3	38	12-Φ30	GB/T9115.2-2000,PN4.0MPa

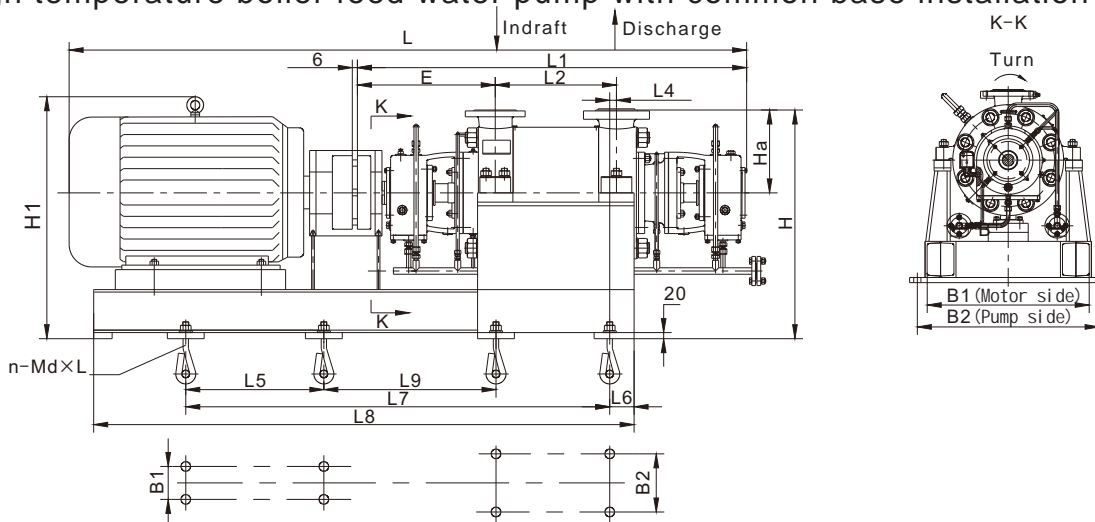
DG boiler feed water pump spare parts list for two years							
Name/Model	Rotor part			Shaft seal part			
	Shaft 1PCS	First stage impeller 1PCS	Impeller 2PCS	Shaft sleeve 2PCS	Packing ring 2PCS	Packing 20PCS	mechanical seal 2sets
DG6-25		/	DG6-25-102	DG12-25-103B	B2102-70-45	Φ45XΦ65X10	H75-40
DG12-25	DG12-25-101	DG12-25-102A	DG12-25-102	DG12-25-103B	B2102-70-45	Φ45XΦ65X10	H75-40
DG12-50	DG12-50-101	/	DG12-50-102	DG12-50-103B	B2102-70-50	Φ50XΦ70X10	H75-45
DG25-30	DG25-30-101	DG25-30-102A	DG25-30-102	DG25-30-103B	B2102-70-50	Φ50XΦ70X10	H75-45
DG46-30	DG46-30-101	DG46-30-102A	DG46-30-102	DG46-30-103B	B2102-70-55	Φ55XΦ75X10	H75-50
DG15-50	DG25-50-101	/	DG15-50-102	DG46-50-103B	B2102-70-55	Φ55XΦ75X10	H75-50
DG25-50	DG46-50-101	DG46-50-102A	DG25-50-102	DG46-50-103B	B2102-70-55	Φ55XΦ75X10	H75-50
DG46-50	DG46-50-101	DG46-50-102A	DG46-50-102	DG46-50-103B	B2102-70-55	Φ55XΦ75X10	H75-50
DG85-45	DG85-45-101	DG85-45-102A	DG85-45-102	DG48-50-103B	B2102-70-65	Φ65XΦ89X12	H75-60
DG48-50	DG48-50-101	DG48-50-102A	DG48-50-102	DG48-50-103B	B2102-70-65	Φ65XΦ89X12	H75-60
DG85-67	DG155-67-101	DG85-67-102A	DG85-67-102	DG155-67-103B	B2102-70-75A	Φ75XΦ107X16	H75-70
DG100-50	DG100-50-101 (10~12 Level)	DG100-50-102A	DG100-50-102	DG155-67-103B	B2102-70-75A	Φ75XΦ107X16	H75-70
DG125-70	DG155-67-101	DG125-70-102A	DG125-70-102	DG155-67-103B	B2102-70-75A	Φ75XΦ107X16	H75-70
DG155-67	DG155-67-101	DG155-67-102A	DG155-67-102	DG155-67-103B	B2102-70-75A	Φ75XΦ107X16	H75-70
DG85-67Sliding bearing	DG155-67-101H	DG85-67-102A	DG85-67-102	DG155-67-103B	B2102-70-75A	Φ75XΦ107X16	H75-70
DG155-67Sliding bearing	DG155-67-101H	DG155-67-102A	DG155-67-102	DG155-67-103B	B2102-70-75A	Φ75XΦ107X16	H75-70

Name/Model	Seal ring (If have seal ring No.3, then No.1 can be one less)			Bearing part		Balance mechanism	
	Seal ring No.1 NPCS	Seal ring No.2 N-1PCS	Seal ring No.3 1PCS	Bearing sleeve 2PCS	Bearing 2PCS	Balance plate 2PCS	Balance ring 2PCS
DG6-25	(with seal ring)	Guide vane sleeve	First stage ring	DG12-25-105	NU308E	DG12-25-103	DG12-25-008
DG12-25	DG12-25-013A	DG12-25-013B	DG12-25-013C	DG12-25-105	NU308E	DG12-25-103	DG12-25-008
DG12-50	DG12-50-013A	DG12-50-013B	/	DG46-30-105	NU309E	DG12-50-103	DG12-50-008
DG25-30	DG46-30-013A	DG46-30-013B	DG46-30-013C	DG46-30-105	NU309E	DG46-30-103	DG46-30-008
DG46-30	DG25-50-013A	DG46-50-013B	/	DG46-50-105	NU310E	DG46-30-103	DG46-30-008
DG15-50	DG46-50-013A	DG46-50-013B	DG46-50-013C	DG46-50-105	NU310E	DG46-50-103	DG46-50-008
DG25-50	DG85-45-013A	DG85-45-013B	DG85-45-013C	DG48-50-105	NU312E	DG46-50-103	DG46-50-008
DG46-50	DG48-50-013A	DG48-50-013B	DG48-50-013C	DG48-50-105	NU312E	DG48-50-103	DG48-50-008
DG85-45	DG48-50-013A	DG85-67-013B	DG85-67-013C	DG155-67-105	NU315E	DG48-50-103	DG48-50-008
DG48-50	DG155-67-013A	DG155-67-013B	DG155-67-013C	DG155-67-105	NU315E	DG155-67-103	DG155-67-008-1 增加
DG85-67	DG155-67-013A	DG85-67-013B	DG85-67-013C	DG155-67-105	NU315E	DG155-67-103	DG155-67-008-2 (平衡套2件)
DG100-50	DG155-67-013A	DG85-67-013B	DG85-67-013C	/	B1207-72-60	DG155-67-103	DG155-67-008-2 (平衡套2件)
DG125-70	DG155-67-013A	DG85-67-013B	DG85-67-013C	/	B1207-72-60	DG155-67-103	DG155-67-008-2 (平衡套2件)
DG155-67	DG155-67-013A	DG155-67-013B	DG155-67-013C	/	B1207-72-60	DG155-67-103	DG155-67-008-2 (平衡套2件)
DG85-67Sliding bearing	DG155-67-013A	DG85-67-013B	DG85-67-013C	/	B1207-72-60	DG155-67-103	DG155-67-008-2 (平衡套2件)
DG155-67Sliding bearing	DG155-67-013A	DG155-67-013B	DG155-67-013C	/	B1207-72-60	DG155-67-103	DG155-67-008-2 (平衡套2件)

Name/Model	O shape seal ring whole set							
	Middle seal N PCS	Coolant seal 1PCS	Water cooling cap seal 2PCS	Water cooling cap seal 2PCS	Balance ring seal No.1 1 PCS	Balance ring seal No.2 1 PCS	Machine seal gland 2PCS	Shaft Sleeve seal 2PCS
DG6-25	195X2.65	130X2.65	130X2.65	75X2.65	78X2.65	46.2X2.65	65X2.65	30X2.65
DG12-25	250X3.55	175X3.55	185X2.65	80X2.65	95X2.65	61X2.65	69X2.65	32.5X2.65
DG12-50	250X3.55	175X3.55	185X2.65	80X2.65	95X2.65	61X2.65	69X2.65	32.5X2.65
DG25-30	236X3.55	175X3.55	185X2.65	80X2.65	95X2.65	61X2.65	69X2.65	32.5X2.65
DG46-30	270X3.55	180X3.55	185X3.55	90X3.55	118X2.65	65X2.65	75X2.65	40X2.65
DG15-50	270X3.55	180X3.55	185X3.55	90X3.55	118X2.65	65X2.65	75X2.65	40X2.65
DG25-50	280X3.55	190X3.55	195X3.55	103X3.55	118X2.65	65X2.65	75X2.65	40X2.65
DG46-50	280X3.55	190X3.55	195X3.55	103X3.55	118X2.65	65X2.65	75X2.65	40X2.65
DG85-45	300X3.55	190X3.55	195X3.55	103X3.55	118X2.65	65X2.65	75X2.65	40X2.65
DG48-50	280X3.55	190X3.55	195X3.55	103X3.55	118X2.65	65X2.65	75X2.65	40X2.65
DG85-67	360X3.55	250X3.55	255X3.55	122X2.65	165X3.55	/	106X2.65	60X2.65
DG100-50	360X3.55	250X3.55	255X3.55	122X2.65	165X3.55	/	106X2.65	60X2.65
DG125-70	360X3.55	250X3.55	255X3.55	122X2.65	165X3.55	/	106X2.65	60X2.65
DG155-67	360X3.55	250X3.55	255X3.55	122X2.65	165X3.55	/	106X2.65	60X2.65
DG85-67Sliding bearing	360X3.55	250X3.55	255X3.55	122X2.65	165X3.55	/	106X2.65	60X2.65
DG155-67Sliding bearing	360X3.55	250X3.55	255X3.55	122X2.65	165X3.55	/	106X2.65	60X2.65

9. Installation drawing of ZDG type high temperature boiler feed water pump

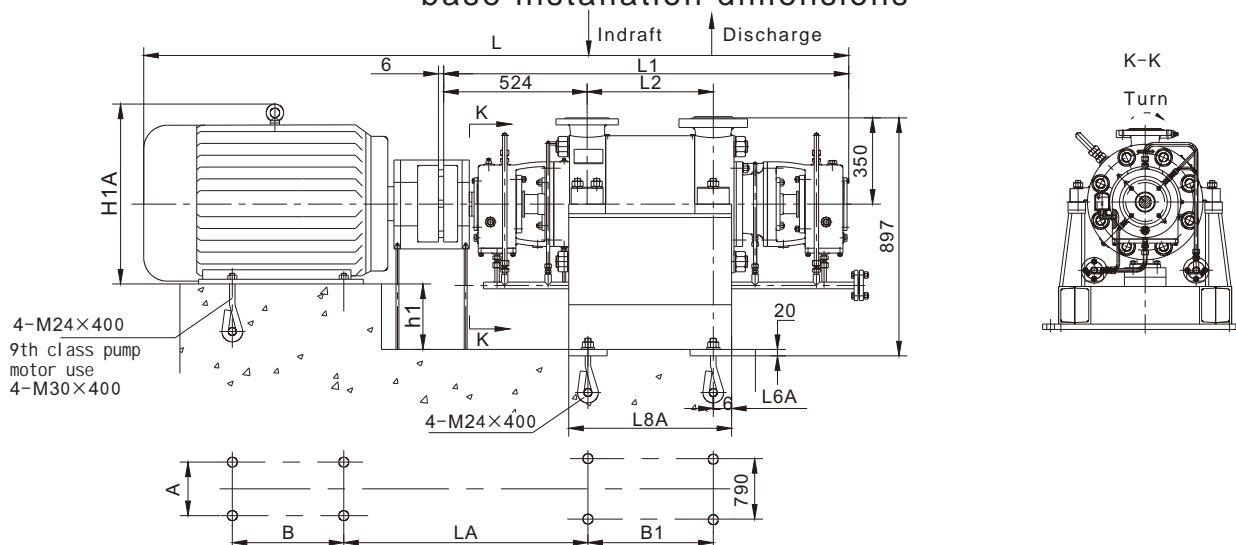
ZDG high temperature boiler feed water pump with common base installation dimensions



Model	Size mm															Motor		
	L	L1	L2	L4	L5	L6	L7	L8	L9	E	Ha	H	H1	B1	B2	n-MdXL	Model	kW
ZDG15-50X2	1605	1000	185	90	405	140	850	1144	—	426	270	700	655	540	660	6-M24X400	YE:160M2-2	15
ZDG15-50X3	1710	1060	245	120	450	170	925	1248	—	426	270	700	655	540	660	6-M24X400	YE:160L-2	18.5
ZDG15-50X4	1795	1120	305	150	445	200	950	1313	—	426	270	700	680	540	660	6-M24X400	YE:180M-2	22
ZDG15-50X5	1960	1180	365	10	430	60	1225	1451	450	426	270	700	705	540	660	8-M24X400	YE:200L1-2	30
ZDG15-50X6	2020	1240	425	10	420	60	1300	1511	475	426	270	700	705	540	660	8-M24X400	YE:200L1-2	30
ZDG15-50X7	2080	1300	485	10	400	60	1280	1571	415	426	270	700	705	540	660	8-M24X400	YE:200L2-2	37
ZDG15-50X8	2180	1360	545	10	400	60	1425	1657	500	426	270	700	735	540	655	8-M24X400	YE:225M-2	45
ZDG15-50X9	2240	1420	605	10	400	60	1485	1717	500	426	270	700	735	540	655	8-M24X400	YE:225M-2	45
ZDG15-50X10	2415	1480	665	10	500	60	1645	1876	500	426	270	700	755	540	655	8-M24X400	YE:250M-2	55
ZDG15-50X11	2475	1540	725	10	500	60	1705	1936	500	426	270	700	755	540	655	8-M24X400	YE:250M-2	55
ZDG15-50X12	2605	1600	785	10	500	60	1830	2065	565	426	270	730	820	655	655	8-M24X400	YE:280S-2	75
ZDG25-50X2	1650	1000	185	90	440	140	885	1181	—	426	270	700	635	540	660	6-M24X400	YE:160L-2	18.5
ZDG25-50X3	1735	1060	245	120	450	170	925	1248	—	426	270	700	680	540	660	6-M24X400	YE:180M-2	22
ZDG25-50X4	1900	1120	305	150	510	200	1015	1380	—	426	270	700	705	540	660	6-M24X400	YE:200L1-2	30
ZDG25-50X5	1960	1180	365	10	420	60	1215	1440	450	426	270	700	705	540	660	8-M24X400	YE:200L2-2	37
ZDG25-50X6	2060	1240	425	10	430	60	1310	1526	475	426	270	700	735	540	660	8-M24X400	YE:225M-2	45
ZDG25-50X7	2235	1300	485	10	450	60	1390	1680	475	426	270	700	755	540	660	8-M24X400	YE:250M-2	55
ZDG25-50X8	2365	1360	545	10	510	60	1650	1882	615	426	270	730	820	655	655	8-M24X400	YE:280S-2	75
ZDG25-50X9	2425	1420	605	10	510	60	1710	1942	615	426	270	730	820	655	655	8-M24X400	YE:280S-2	75
ZDG25-50X10	2485	1480	665	10	510	60	1770	2002	615	426	270	730	820	655	655	8-M24X400	YE:280S-2	75
ZDG25-50X11	2595	1540	725	10	560	60	1880	2112	615	426	270	730	820	655	655	8-M24X400	YE:280M-2	90
ZDG25-50X12	2655	1600	785	10	560	60	1940	2172	615	426	270	730	820	655	655	8-M24X400	YE:280M-2	90
ZDG48-50X2	1849	1073	200	2.5	450	60	1055	1310	410	449	270	710	760	600	705	8-M24X400	YE:200L1-2	30
ZDG48-50X3	1914	1138	265	2.5	450	60	1120	1375	410	449	270	710	760	600	705	8-M24X400	YE:200L2-2	37
ZDG48-50X4	2024	1203	330	2.5	485	60	1220	1470	410	449	270	710	775	600	705	8-M24X400	YE:225M-2	45
ZDG48-50X5	2189	1268	395	2.5	485	60	1285	1625	410	449	270	720	815	600	705	8-M24X400	YE:250M-2	55
ZDG48-50X6	2324	1333	460	2.5	540	60	1405	1750	410	449	270	745	875	705	705	8-M24X400	YE:280S-2	75
ZDG48-50X7	2439	1398	525	2.5	570	60	1500	1865	410	449	270	745	875	705	705	8-M24X400	YE:280M-2	90
ZDG48-50X8	2504	1463	590	2.5	570	60	1565	1930	410	449	270	745	875	705	705	8-M24X400	YE:280M-2	90
ZDG48-50X9	2714	1528	655	2.5	590	60	1650	2030	410	449	270	780	1040	705	705	8-M24X400	YE:315S-2	110
ZDG48-50X10	2889	1593	720	2.5	605	60	1730	2205	410	449	270	780	1040	705	705	8-M24X400	YE:315M-2	132
ZDG48-50X11	2954	1658	785	2.5	605	60	1795	2270	410	449	270	780	1040	705	705	8-M24X400	YE:315M-2	132
ZDG48-50X12	3019	1723	850	2.5	630	60	1885	2335	410	449	270	780	1040	705	705	8-M24X400	YE:315L-2	160
ZDG85-67X2	2273	1267	283	0	501	60	1611	1731	562	524	350	897	974	790	790	8-M24X400	YE:280S-2	75
ZDG85-67X3	2411	1355	371	0	501	60	1699	1819	612	524	350	897	974	790	790	8-M24X400	YE:280M-2	90
ZDG85-67X4	2691	1443	459	0	601	60	1837	1957	662	524	350	897	1077	790	790	8-M24X400	YE:315S-2	110
ZDG85-67X5	2847	1531	547	0	627	60	1951	2071	662	524	350	897	1077	790	790	8-M24X400	YE:315M-2	132
ZDG85-67X6	2935	1619	635	0	662	60	2074	2194	662	524	350	897	1077	790	790	8-M24X400	YE:315L1-2	160
ZDG100-50X2	2186	1251	283	0	360	85	1463	1608	820	511	350	810	825	750	750	8-M24X400	YE:250M-2	55
ZDG100-50X3	2344	1339	371	0	368	85	1585	1740	846	511	350	820	870	750	750	8-M24X400	YE:280S-2	75
ZDG100-50X4	2482	1427	459	0	419	85	1724	1880	846	511	350	820	870	750	750	8-M24X400	YE:280M-2	90
ZDG100-50X5	2830	1515	547	0	457	85	1876	2085	872	511	350	860	1040	750	750	8-M24X400	YE:315M-2	132
ZDG100-50X6	2918	1603	635	0	457	85	1964	2200	872	511	350	860	1040	750	750	8-M24X400	YE:315M-2	132
ZDG100-50X7	3006	1691	723	0	508	85	2103	2288	872	511	350	860	1040	750	750	8-M24X400	YE:315M-2	132
ZDG125-70X2	2307	1251	283	0	419	85	1700	1900	847	511	350	820	870	750	750	8-M24X400	YE:280M-2	90
ZDG125-70X3	2655	1339	371	0	457	85	1720	2028	873	511	350	860	1040	750	750	8-M24X400	YE:315M-2	132
ZDG155-67X2	2307	1251	283	0	419	85	1700	1900	847	511	350	820	870	750	750	8-M24X400	YE:280M-2	90
ZDG155-67X3	2655	1339	371	0	457	85	1720	2028	873	511	350	860	1040	750	750	8-M24X400	YE:315M-2	132

DG Type Boiler Feed Water Pump

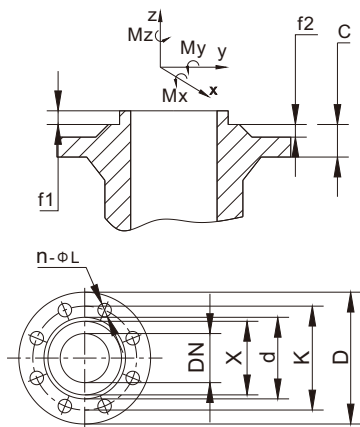
ZDG high temperature boiler feed water pump with single pump base installation dimensions



Model	Poles	With single pump base installation size mm										Motor		
		L	L1	L2	L6A	L8A	H1A	h1	A	B	B1	LA	Model	kw
ZDG85-67X7	7	3023	1707	723	60	863	865	212	508	508	743	866	YE315L2-2	200
ZDG85-67X8	8	3341	1795	811	60	951	1035	172	610	560	831	904	YE335M1-2	220
ZDG85-67X9	9	3429	1883	899	60	1039	1035	172	610	560	919	904	YE335M2-2	250
ZDG100-50X7	7	3006	1691	723	85	893	845	195	508	508	723	872	YE315L1-2	160
ZDG100-50X8	8	3094	1779	811	85	981	845	195	508	508	811	872	YE315L2-2	200
ZDG100-50X9	9	3182	1867	899	85	1069	845	195	508	508	899	872	YE315L2-2	200
ZDG100-50X10	10	3500	1955	987	85	1157	1010	155	610	560	987	910	YE335M2-2	250
ZDG100-50X11	11	3588	2043	1075	85	1245	1010	155	610	560	1075	910	YE335M2-2	250
ZDG100-50X12	12	3676	2131	1163	85	1333	1010	155	610	630	1163	910	YE335L1-2	280
ZDG125-70X4	4	2743	1427	459	85	629	845	195	508	508	459	911	YE315L2-2	185
ZDG125-70X5	5	3061	1515	547	85	717	1010	195	610	560	547	911	YE335M1-2	220
ZDG125-70X6	6	3109	1603	635	85	805	1010	155	610	560	635	911	YE335M2-2	250
ZDG125-70X7	7	3237	1691	723	85	893	1010	155	610	630	723	911	YE335L2-2	315
ZDG125-70X8	8	3415	1779	811	85	981	1010	155	610	630	811	911	YE335L2-2	315
ZDG125-70X9	9	3623	1867	899	85	1069	1070	155	630	900	899	1002	Y3555-2-6KV	355
ZDG155-67X4	4	2743	1427	459	85	629	845	195	508	508	459	911	YE315L2-2	185
ZDG155-67X5	5	3061	1515	547	85	717	1010	155	610	560	547	911	YE335M1-2	220
ZDG155-67X6	6	3149	1603	635	85	805	1010	155	610	630	635	911	YE335L1-2	280
ZDG155-67X7	7	3237	1691	723	85	893	1010	155	610	630	723	911	YE335L2-2	315
ZDG155-67X8	8	3655	1779	811	85	981	1070	155	630	900	811	1002	Y3555-2-6KV	355
ZDG155-67X9	9	3963	1867	899	85	1069	1200	110	710	1000	899	1062	Y4001-2-6KV	450

ZDG high temperature boiler feed water pump inlet and outlet flange standards

Flange size for inlet and outlet

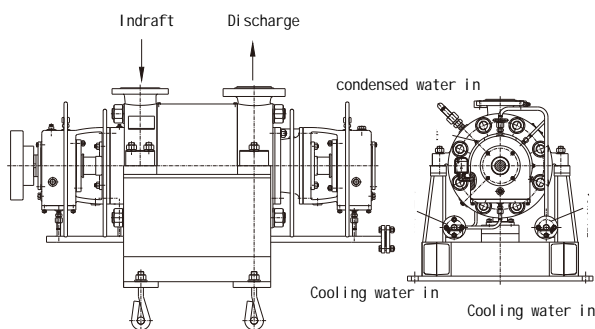


Model	Inlet flange										Outlet flange									
	DN	X	d	K	D	f1/f2	C	n-φL	Flange		DN	X	d	K	D	f1/f2	C	n-φL	Flange	
ZDG15-50	65	-	120	145	185	-/3	28	4-φ18	GB/T9115.1-2000,PN1.6MPa	65	108	130	160	205	4/3	28	8-φ23	GB/T9115.2-2000,PN6.3MPa		
ZDG25-50	65	-	120	145	185	-/3	28	4-φ18	GB/T9115.1-2000,PN1.6MPa	65	109	130	160	205	4/3	28	8-φ23	GB/T9115.2-2000,PN6.3MPa		
ZDG48-50	80	-	135	160	195	-/3	22	8-φ18	GB/T9115.1-2000,PN1.6MPa	80	120	133	170	215	4/3	30	8-φ23	GB/T9115.2-2000,PN6.3MPa		
ZDG85-67	100	-	149	180	220	-/4.5	22	8-φ18	GB/T9115.1-2000,PN1.6MPa	100	149	168	200	250	4.5/3	32	8-φ24	GB/T9115.2-2000,PN6.3MPa		
ZDG100-50	150	-	211	240	285	-/1/2	22	8-φ22	GB/T9115.1-2000,PN1.6MPa	100	149	168	200	250	4.5/3	32	8-φ24	GB/T9115.2-2000,PN6.3MPa		
ZDG125-70	150	-	211	240	285	-/1/2	32	8-φ22	GB/T9115.1-2000,PN1.6MPa	150	203	242	280	345	4.5/3	38	8-φ33	GB/T9115.2-2000,PN6.3MPa		
ZDG155-67	150	-	211	240	285	-/1/2	32	8-φ22	GB/T9115.1-2000,PN1.6MPa	150	203	242	280	345	4.5/3	38	8-φ33	GB/T9115.2-2000,PN6.3MPa		

ZDG high temperature boiler feed pump allows forces and moments acting on the flange

Model	Location	DN	Force (N)				Torque (Nm)			
			Fx	Fy	Fz	Σ F	Mx	My	Mz	Σ M
ZDG15-50	Inlet	65	2100	1850	1700	3300	1500	1100	1200	2200
	Outlet	65	2100	1850	1700	3300	1500	1100	1200	2200
ZDG25-50	Inlet	65	2100	1850	1700	3300	1500	1100	1200	2200
	Outlet	65	2100	1850	1700	3300	1500	1100	1200	2200
ZDG48-50	Inlet	80	2500	2250	2050	3950	1600	1150	1300	2350
	Outlet	80	2500	2250	2050	3950	1600	1150	1300	2350
ZDG85-67	Inlet	100	3350	3000	2700	5250	1750	1250	1450	2600
	Outlet	100	3350	3000	2700	5250	1750	1250	1450	2600
ZDG100-50	Inlet	150	5000	4500	4050	7850	2500	1750	2050	3650
	Outlet	100	3350	3000	2700	5250	1750	1250	1450	2600
ZDG125-70	Inlet	150	5000	4500	4050	7850	2500	1750	2050	3650
	Outlet	150	5000	4500	4050	7850	2500	1750	2050	3650
ZDG155-67	Inlet	150	5000	4500	4050	7850	2500	1750	2050	3650
	Outlet	150	5000	4500	4050	7850	2500	1750	2050	3650

ZDG high temperature boiler feed water pump cooling water requirements and interface size



Model	Cooling pipe					Seal inner cavity				
	Medium	Inlet size (flanged joint)	T °C ≤	Stress (MPa)	Flux (m³/h)	Medium	Size of interface	T	Stress (MPa)	Flux (m³/h)
ZDG15-50	INDUSTRIAL WATER	DN15, PN10	30°C ≤	0.2-0.4	2-3	CONDENSED WATER	1/4"	≤30°C	0.5-0.8	0.5
ZDG25-50		DN15, PN10	30°C ≤	0.2-0.4	2-3		1/4"	≤30°C	0.5-0.8	0.5
ZDG48-50		DN15, PN10	30°C ≤	0.2-0.4	2-3		1/4"	≤30°C	0.5-0.8	0.5
ZDG85-67		DN15, PN10	30°C	0.2-0.4	3-5		3/8"	≤30°C	0.5-0.8	0.5-1
ZDG100-50		DN15, PN10	≤30°C	0.2-0.4	3-5		3/8"	≤30°C	0.5-0.8	0.5-1
ZDG125-70		DN15, PN10	≤30°C	0.2-0.4	3-5		3/8"	≤30°C	0.5-0.8	0.5-1
ZDG155-67		DN15, PN10	≤30°C	0.2-0.4	3-5		3/8"	≤30°C	0.5-0.8	0.5-1

List of spare parts for two years (1 spare)						
Model	Rotor main parts			Balancer		
	Shaft 1PCS	First stage impeller1	Impeller 2	Balance plate2	Balance ring 2	Balance sleeve 2
ZDG15-50	ZDG25-50-101	/	DG15-50-102	DG46-50-103	DG46-50-008	/
50ZDG25-50			DG25-50-102			
50ZDG48-50	ZDG48-50-101	DG48-50-102A	DG48-50-102	DG48-50-103	DG48-50-008	
50ZDG85-67	ZDG155-67-101	DG85-67-102A	DG85-67-102	DG155-67-103	DG155-67-008-1	DG155-67-008-2
ZDG100-50		DG100-50-102A				
ZDG125-70		DG125-70-102A				
ZDG155-67		DG155-67-102A				

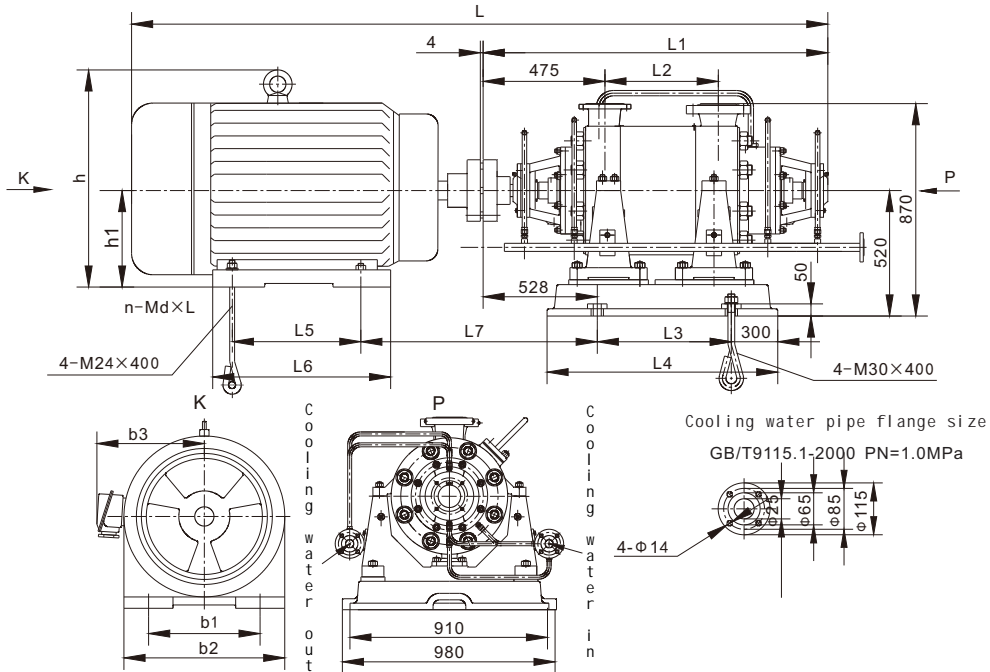
Seal ring (If have seal ring No.3, then No.1 can be one less)

Mode	Shaft seal part PCS					Seal ring (If have seal ring No.3, then No.1 can be one less)		
	Shaft sleeve 2	Packing ring 2	Packing 20	Machine seal 2	Bearing 2	Seal ring No.1 N (Middle)	Seal ring No.2 N-1 Guide vane sleeve	Seal ring No.3 1 Inlet
ZDG15-50	DG46-50-103B	B2102-70-55	φ55Xφ75X10	H75-50	NU310E	DG25-50-013A	DG46-50-013B	/
ZDG25-50								
ZDG48-50	DG48-50-103B	B2102-70-65	φ65Xφ90X12	H75-60	NU312E	DG48-50-013A	DG48-50-013B	DG48-50-013C
ZDG85-67	DG155-67-103B	B2102-70-75A	φ75Xφ107X16	H75-70	NU315E	DG155-67-013A	DG85-67-013B	DG85-67-013C
ZDG100-50								
ZDG125-70							DG155-67-013B	DG155-67-013C
ZDG155-67								

Model	O Shape seal ring whole set (PCS)									
	Middle seal N	Cooling body seal 1	Water cooling seal 2	Water cooling seal 2	Balance ring seal 1	Mechanical gland seal 2	Shaft sleeve seal 2	Bearing gland seal 2		
ZDG15-50	270X3.55	180X3.55	185X3.55	90X3.55	118X2.65	75X2.65	40X2.65	106X2.65		
ZDG25-50							45X2.65(Above10)			
ZDG48-50	280X3.55	190X3.55	195X3.55	103X3.55		90X2.65	50X2.65	118X2.65		
ZDG85-67	360X3.55	250X3.55	255X3.55	122X2.65	165X3.55	106X2.65	60X2.65	140X2.65		
ZDG100-50										
ZDG125-70										
ZDG155-67										

10. Installation dimension drawing of DG type sub-high pressure and high-pressure boiler feed pump

Installation dimension drawing of DG25-80、DG36-80、DG45-80

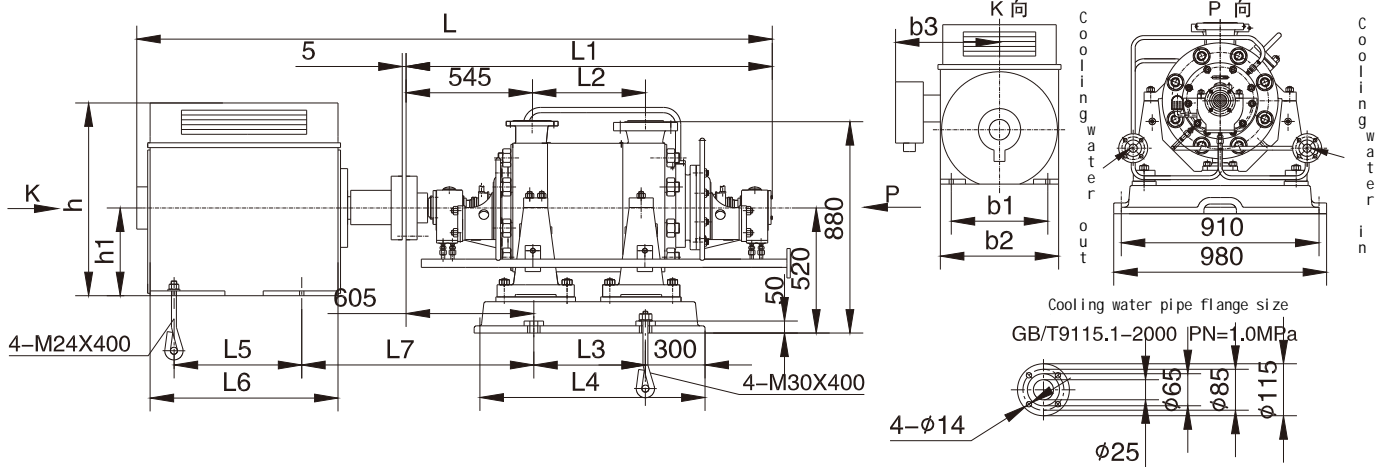


Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight (kg)	Pump weight (kg)			
DG25-80×7	2783	1539	615	432	1032	406	609							YE315S-2/110kW	980	1437			
DG25-80×8	2932	1618	694	590	1190	457	660							YE315M-2/132kW	1080	1510			
DG25-80×9	3011	1697	773							888	865	315	508	644	576	YE315L1-2/160kW	1100	1583	
DG25-80×10	3090	1776	852	827	1427	508	711							YE315L2-2/185kW	1200	1656			
DG25-80×11	3169	1855	931														YE315L2-2/200kW	1200	1729
DG25-80×12	3248	1934	1010																1802

Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor Model	Motor weight (kg)	Pump weight (kg)			
DG36-80×7	2853	1539	615	432	1032	457	660							YE315M-2/132kW	1080	1472			
DG36-80×8	2932	1618	694	590	1190													1545	
DG36-80×9	3451	1697	773							888	865	315	508	644	576	YE315L1-2/160kW	1100	1618	
DG36-80×10	3530	1776	852	827	1427	508	711							YE315L2-2/185kW	1200	1691			
DG36-80×11	3609	1855	931														YE315L2-2/200kW	1200	1764
DG36-80×12	3688	1934	1010																1837

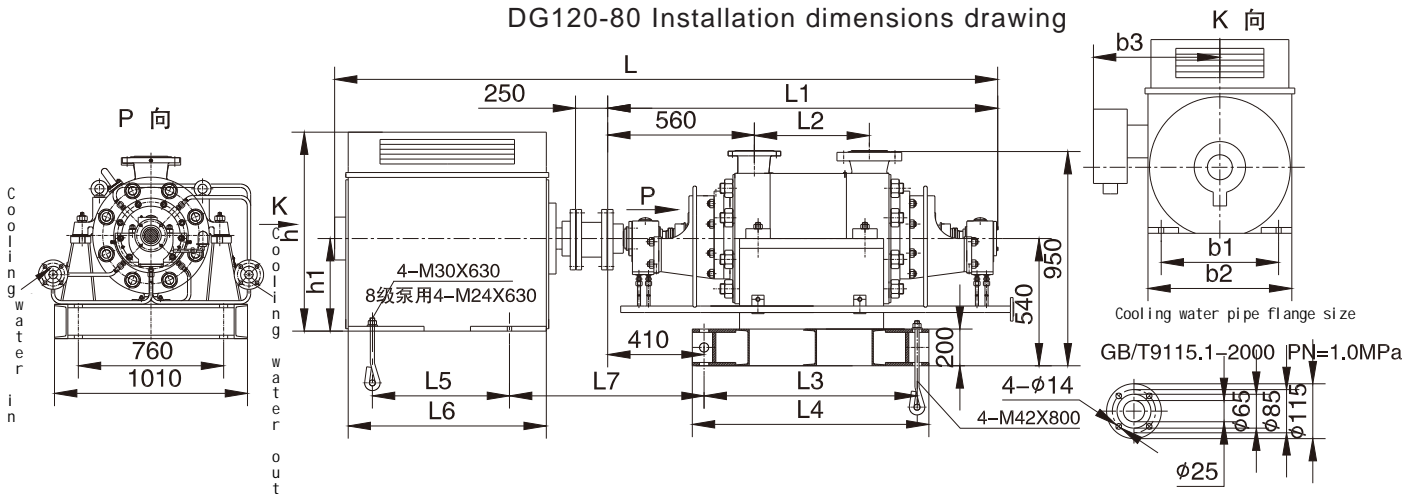
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor Model	Motor weight (kg)	Pump weight (kg)									
DG45-80×6	2774	1460	536	432	1032	508	720	888	845	315	508	635	530	YE315L1-2/160kW	1100	1494									
DG45-80×7	2853	1539	615																				YE315L2-2/200kW	1200	1567
DG45-80×8	2932	1618	694	590	1190	900	1360	1017	1060	355	630	800	755	Y3551-2-220kW/6kV	2010	1713									
DG45-80×9	3451	1697	773																				Y3552-2-250kW/6kV	2050	1786
DG45-80×10	3530	1776	852	827	1427	900	1360	1017	1060	355	630	800	755	Y3553-2-280kW/6kV	2120	1859									
DG45-80×11	3609	1855	931																						1932
DG45-80×12	3688	1934	1010																						

DG65-80、DG85-80 Installation dimensions drawing



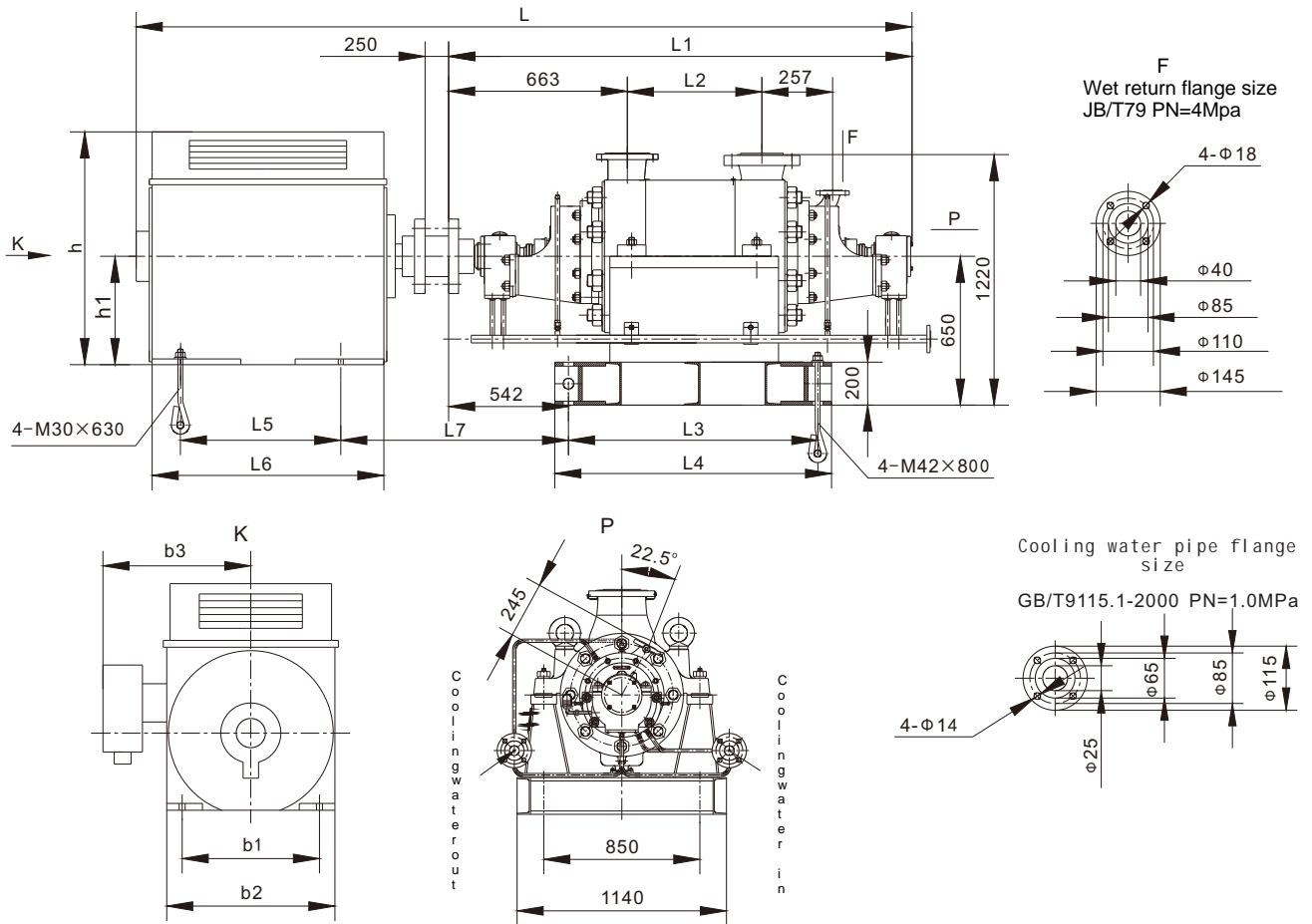
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Pump weight kg
DG65-80×7	3455	1700	630	432	1032	900	1360	1095	1060	355	630	800	755	Y3551-2-220kW/6kV	2010	1567
DG65-80×8	3535	1780	710	590	1190									Y3552-2-250kW/6kV	2050	1640
DG65-80×9	3615	1860	790	590	Y3553-2-280kW/6kV									2120	1713	
DG65-80×10	3695	1940	870	827	1427									Y3554-2-315kW/6kV	2160	1786
DG65-80×11	3775	2020	950	827	1427									Y3554-2-315kW/6kV	2160	1859
DG65-80×12	3855	2100	1030	827	1427									Y3555-2-355kW/6kV	2250	1932
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Pump weight kg
DG85-80×7	3455	1700	630	432	1032	1000	1500	1155	1180	400	710	900	800	Y3552-2-250kW/6kV	2050	1567
DG85-80×8	3535	1780	710	590	1190									Y3553-2-280kW/6kV	2120	1640
DG85-80×9	3615	1860	790	590	Y3555-2-355kW/6kV									2250	1713	
DG85-80×10	3695	1940	870	827	1427									Y3555-2-355kW/6kV	2250	1786
DG85-80×11	3775	2020	950	827	1427									Y3556-2-400kW/6kV	2260	1859
DG85-80×12	3985	2100	1030	827	1427									Y4001-2-450kW/6kV	2800	1932

DG120-80 Installation dimensions drawing



Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Pump weight kg
DG120-80×8	3965	1965	850	1150	1270	1000	1500	1205	1180	400	710	900	800	Y3556-2-400kW/6kV	2260	2330
DG120-80×9	4190	2060	945	1245	1365									Y4001-2-450kW/6kV	2800	2450
DG120-80×10	4285	2155	1040	1340	1460									Y4002-2-500kW/6kV	2880	2570
DG120-80×11	4380	2250	1135	1435	1555									Y4003-2-560kW/6kV	2990	2690
DG120-80×12	4475	2345	1230	1530	1650									Y4004-2-630kW/6kV	3090	2810

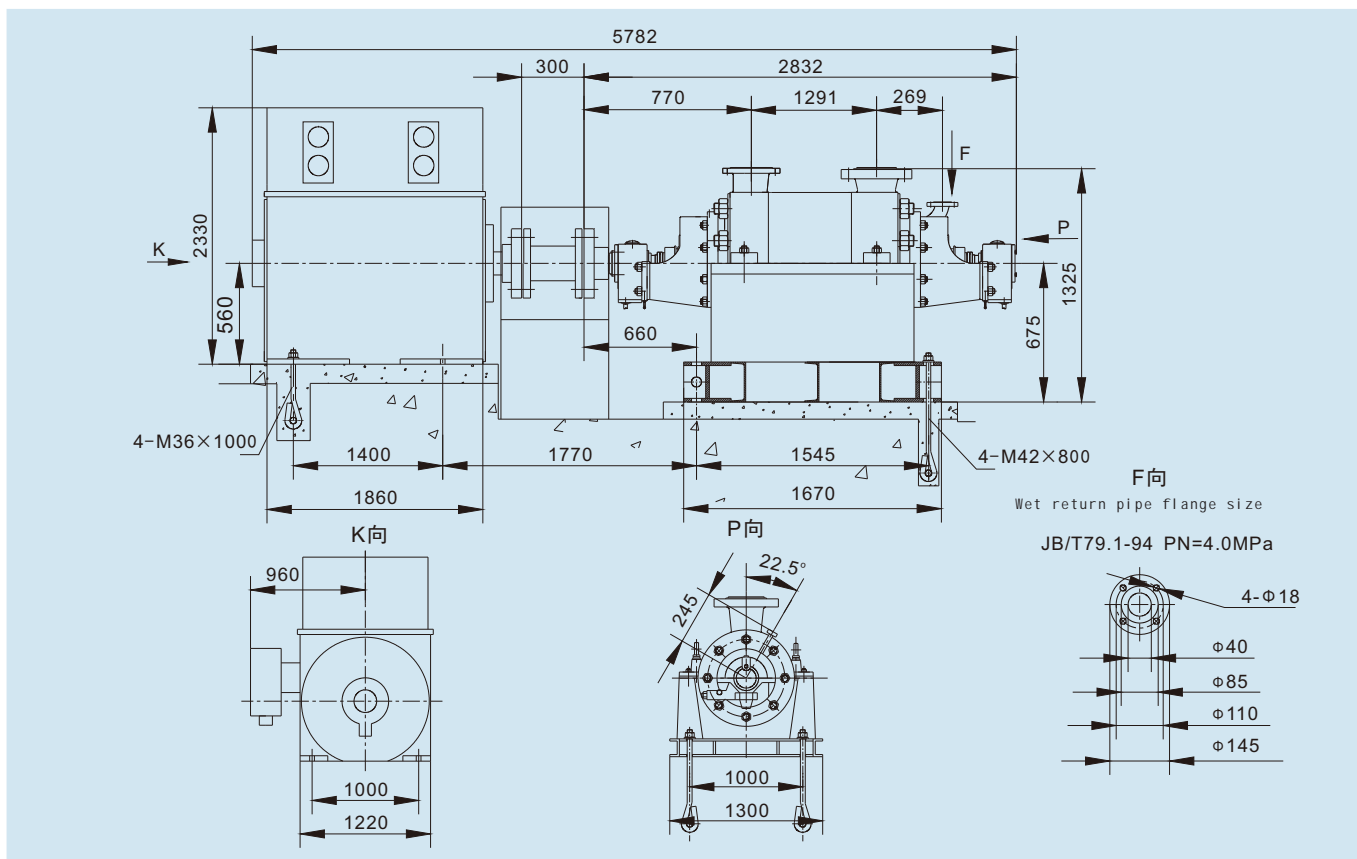
DG150-100、DG180-100、DG200-100、DG245-100、DG280-100 Installation dimensions



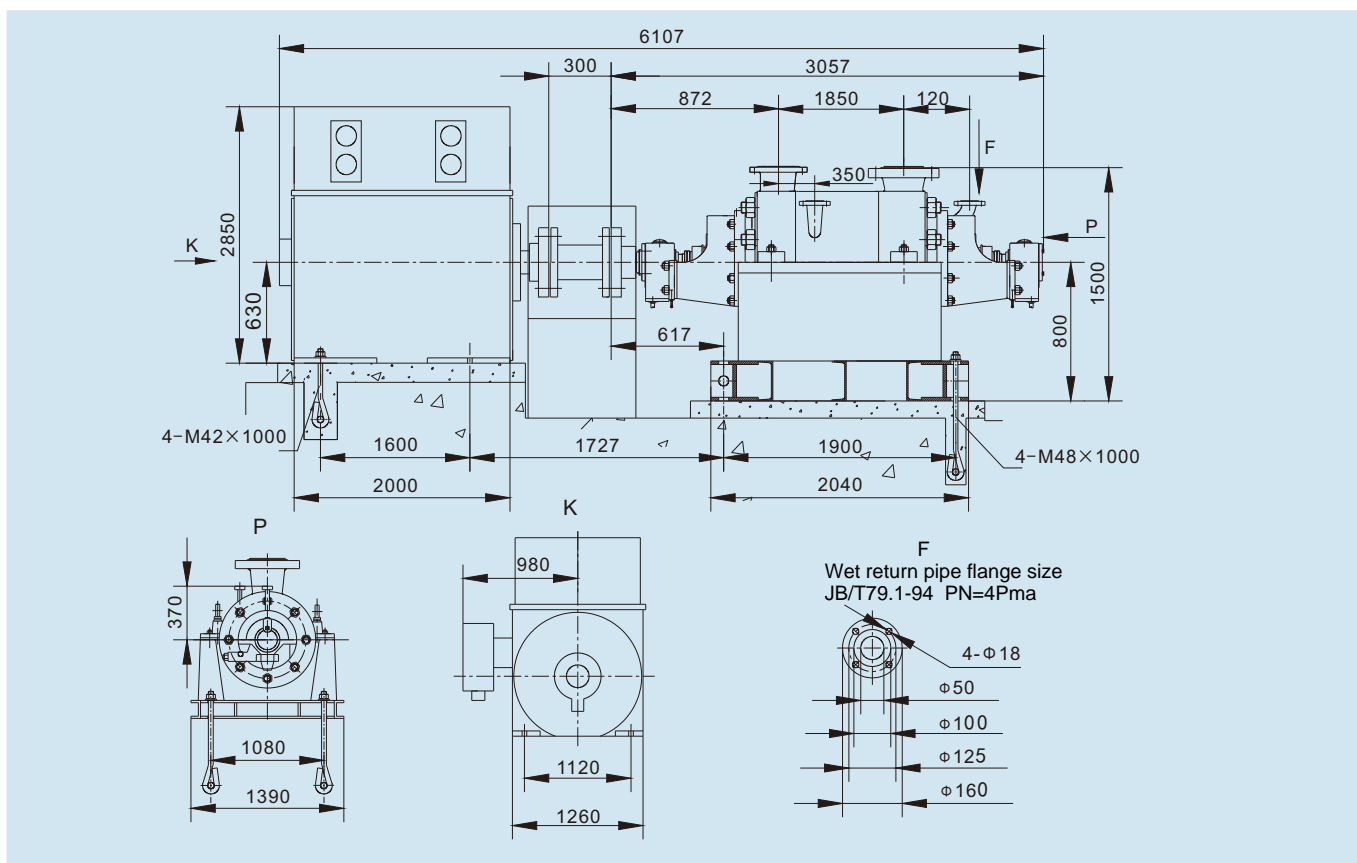
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Pump weight kg
DG150-100×6	4142	2012	795	1057	1185	1000	1500	1337	1180	400	710	900	800	Y4001-2-450kW/6kV	2800	2735
DG150-100×7	4247	2117	900	1162	1290									Y4002-2-500kW/6kV	2880	2885
DG150-100×8	4352	2222	1005	1267	1395									Y4004-2-630kW/6kV	3090	3035
DG150-100×9	4457	2327	1110	1372	1500									Y4004-2-630kW/6kV	3090	3185
DG150-100×10	4682	2432	1215	1477	1605									Y4502-2-800kW/6kV	3740	3335
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Motor weight kg
DG180-100×6	4142	2012	795	1057	1185	1000	1500	1337	1180	400	710	900	800	Y4003-2-560kW/6kV	2990	2735
DG180-100×7	4247	2117	900	1162	1290									Y4004-2-630kW/6kV	3090	2885
DG180-100×8	4472	2222	1005	1267	1395									Y4501-2-710kW/6kV	3580	3035
DG180-100×9	4577	2327	1110	1372	1500									Y4502-2-800kW/6kV	3740	3185
DG180-100×10	4682	2432	1215	1477	1605									Y4503-2-900kW/6kV	3900	3335
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Motor weight kg
DG200-100×6	4142	2012	795	1057	1185	1000	1500	1337	1180	400	710	900	800	Y4003-2-560kW/6kV	2990	2735
DG200-100×7	4247	2117	900	1162	1290									Y4004-2-630kW/6kV	3090	2885
DG200-100×8	4472	2222	1005	1267	1395									Y4501-2-710kW/6kV	3580	3035
DG200-100×9	4577	2327	1110	1372	1500									Y4502-2-800kW/6kV	3740	3185
DG200-100×10	4682	2432	1215	1477	1605									Y4503-2-900kW/6kV	3900	3335
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Motor weight kg
DG245-100×6	4142	2012	795	1057	1185	1120	1620	1402	1320	450	800	980	840	Y4004-2-630kW/6kV	3090	2848
DG245-100×7	4367	2117	900	1162	1290									Y4501-2-710kW/6kV	3580	2998
DG245-100×8	4472	2222	1005	1267	1395									Y4502-2-800kW/6kV	3740	3148
DG245-100×9	4577	2327	1110	1372	1500									Y4503-2-900kW/6kV	3900	3298
DG245-100×10	4682	2432	1215	1477	1605									Y4504-2-1000kW/6kV	4060	3448
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Motor weight kg
DG280-100×6	4262	2012	795	1057	1185	1120	1620	1402	1320	450	800	980	840	Y4501-2-710kW/6kV	3580	2848
DG280-100×7	4367	2117	900	1162	1290									Y4503-2-900kW/6kV	3900	2998
DG280-100×8	4472	2222	1005	1267	1395									Y4504-2-1000kW/	4060	3148
DG280-100×9	4927	2327	1110	1372	1500									6kVY5001-2-1120kW/	4000	3298
DG280-100×10	5032	2432	1215	1477	1605									6kVY5002-2-1250kW	4300	3448

/6kV

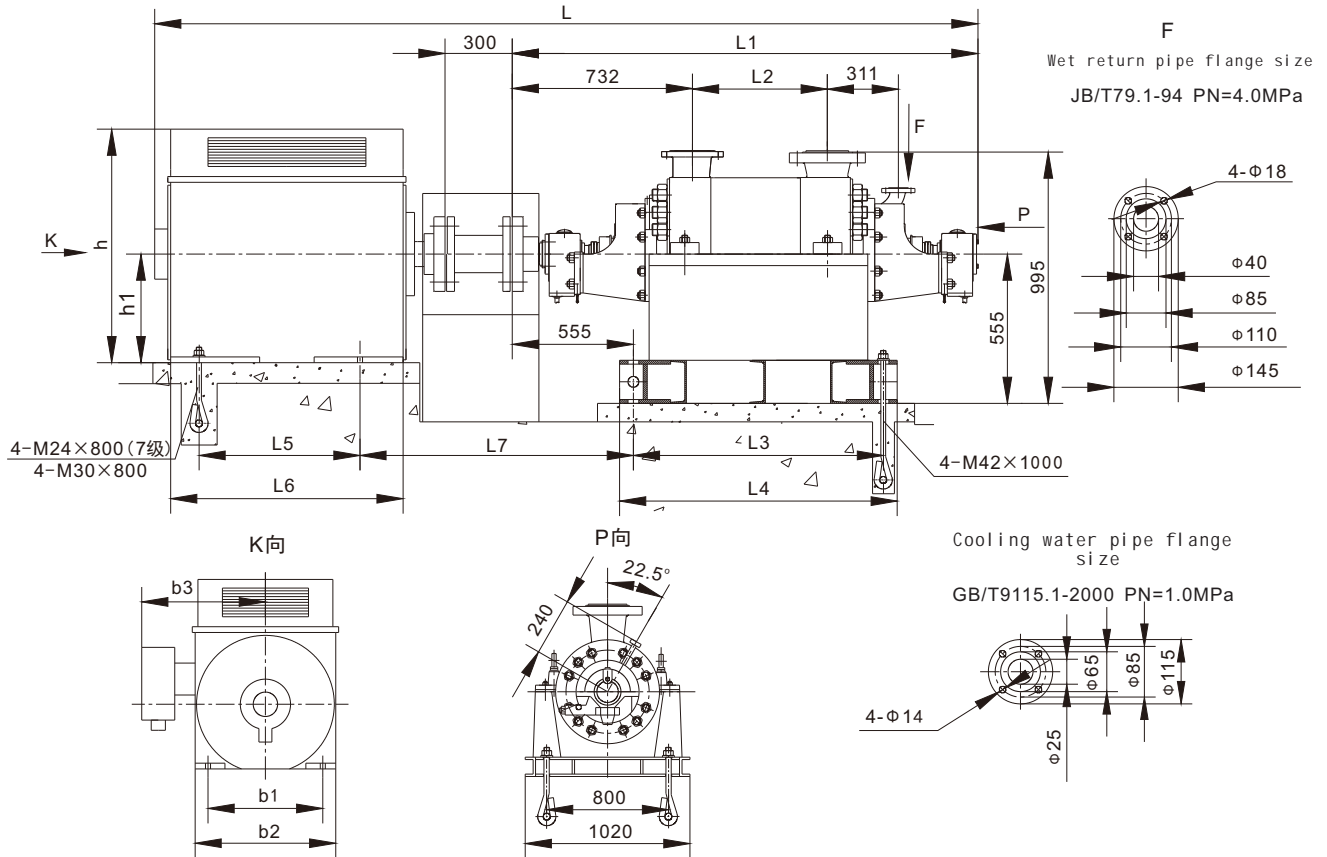
DG270-140B、DG270-140C Installation dimensions



DG400-180C Installation dimensions

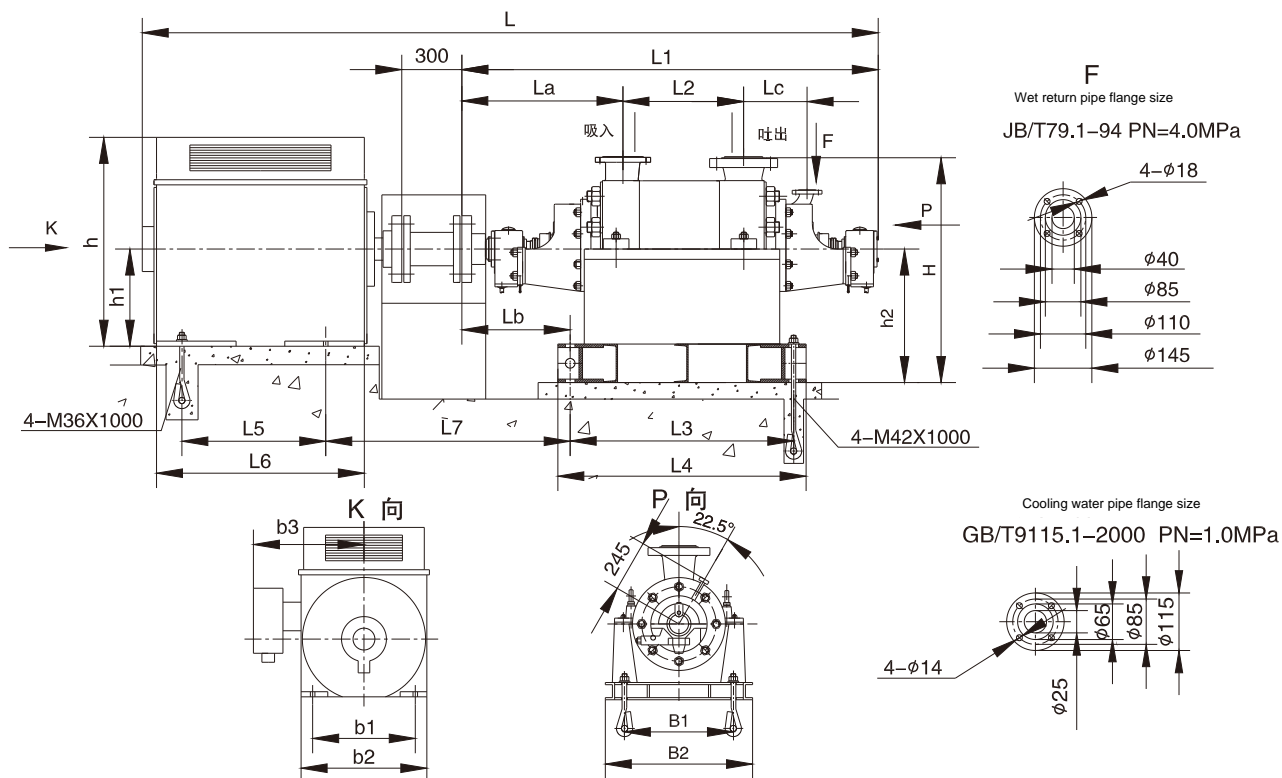


DG85-120、DG85-136、DG120-120、1DG Installation dimensions



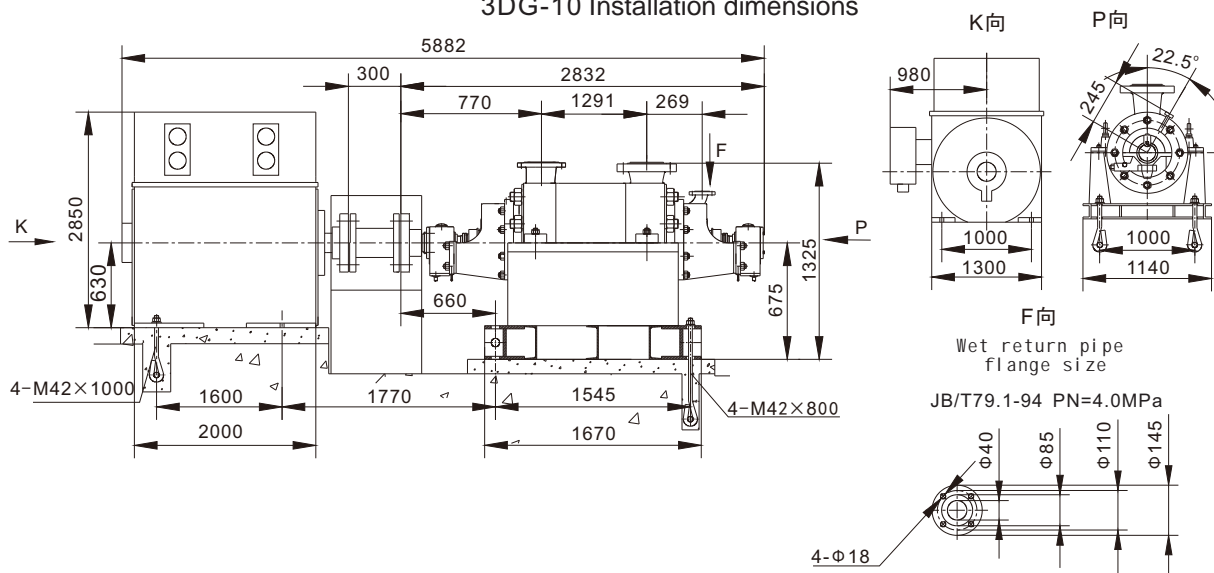
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Pump weight kg
DG85-120×7	4288	2238	748	1040	1168	900	1360	1340	1060	355	630	800	755	Y3556-2-400kW/6kV	2260	2885
DG85-120×8	4504	2324	834	1126	1254	1000	1500	1400	1180	400	710	900	800	Y4001-2-450kW/6kV	2800	3035
DG85-120×9	4590	2410	920	1212	1340									Y4002-2-500kW/6kV	2880	3185
DG85-120×10	4676	2496	1006	1298	1426									Y4003-2-560kW/6kV	2990	3335
DG85-120×11	4762	2582	1092	1384	1512	1120	1620	1465	1320	450	800	980	840	Y4004-2-630kW/6kV	3090	3485
DG85-120×12	4968	2668	1178	1470	1598									Y4501-2-710kW/6kV	3580	3635
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Pump weight kg
DG85-136×7	4418	2238	748	1040	1168	1000	1500	1400	1180	400	710	900	800	Y4001-2-450kW/6kV	2800	2885
DG85-136×8	4504	2324	834	1126	1254									Y4002-2-500kW/6kV	2880	3035
DG85-136×9	4590	2410	920	1212	1340									Y4003-2-560kW/6kV	2990	3185
DG85-136×10	4676	2496	1006	1298	1426	1120	1620	1465	1320	450	800	980	840	Y4004-2-630kW/6kV	3090	3335
DG85-136×11	4882	2582	1092	1384	1512									Y4501-2-710kW/6kV	3580	3485
DG85-136×12	4968	2668	1178	1470	1598									Y4502-2-800kW/6kV	3740	3635
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Pump weight kg
DG120-120×7	4418	2238	748	1040	1168	1000	1500	1400	1180	400	710	900	800	Y4002-2-500kW/6kV	2880	2885
DG120-120×8	4504	2324	834	1126	1254									Y4003-2-560kW/6kV	2990	3035
DG120-120×9	4590	2410	920	1212	1340									Y4004-2-630kW/6kV	3090	3185
DG120-120×10	4796	2496	1006	1298	1426	1120	1620	1465	1320	450	800	980	840	Y4501-2-710kW/6kV	3580	3335
DG120-120×11	4882	2582	1092	1384	1512									Y4502-2-800kW/6kV	3740	3485
DG120-120×12	4968	2668	1178	1470	1598									Y4502-2-800kW/6kV	3740	3635
Model	L	L1	L2	L3	L4	L5	L6	L7	h	h1	b1	b2	b3	Motor model	Motor weight kg	Pump weight kg
1DG-7	4538	2238	748	1040	1168	1120	1620	1465	1320	450	800	980	840	Y4502-2-800kW/6kV	3740	2885
1DG-8	4624	2324	834	1126	1254									Y4502-2-800kW/6kV	3740	3035
1DG-9	4710	2410	920	1212	1340									Y4504-2-1000kW/6kV	4060	3185
1DG-10	4796	2496	1006	1298	1426									Y4504-2-1000kW/6kV	4060	3335
1DG-11	4882	2582	1092	1384	1512									Y4504-2-1000kW/6kV	4060	3485
1DG-12	4968	2668	1178	1470	1598									Y4504-2-1000kW/6kV	4060	3635

DG180-180、DG220-160、DG250-180、2DG Installation dimensions

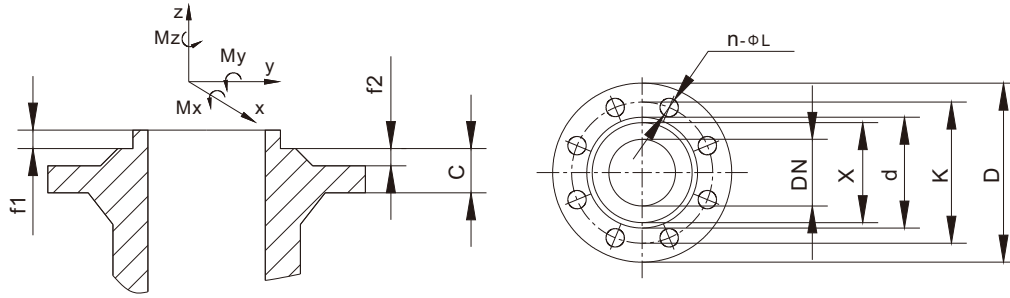


Model	L	L1	L2	L3	L4	L5	L6	L7	La	Lb	Lc	h	h1	h2	H	b1	b2	b3	B1	B2	Motor model	Motor weight (kg)	Pump weight(kg)
DG180-180×10	5268	2618	1150	1520	1650	1250	1730	1645	760	575	94	1510	500	655	1245	900	1120	900	905	1170	Y5004-2-1600kW/6kV	5600	4500
DG180-180×11	5373	2723	1255	1625	1755											1760	560	655	1245	1000	1220	930	1000
DG180-180×12	5868	2828	1360	1730	1860	1400	1860	1685	770	660	269	1510	500	675	1325	900	1120	900	1000	1300	Y5601-2-1800kW/6kV	8750	5000
Model	L	L1	L2	L3	L4	L5	L6	L7	La	Lb	Lc	h	h1	h2	H	b1	b2	b3	B1	B2	Motor model	Motor weight (kg)	Pump weight(kg)
DG220-160×7	5137	2487	946	1200	1325	1250	1730	1730	770	660	269	1510	500	675	1325	900	1120	900	1000	1300	Y5001-2-1120kW/6kV	4700	4200
DG220-160×8	5252	2602	1061	1315	1440											1000	1220	930	1000	1300	Y5002-2-1250kW/6kV	5000	4400
DG220-160×9	5367	2717	1176	1430	1555											1000	1220	930	1000	1300	Y5003-2-1400kW/6kV	5300	4600
DG220-160×10	5482	2832	1291	1545	1670											1000	1220	930	1000	1300	Y5004-2-1600kW/6kV	5600	4800
Model	L	L1	L2	L3	L4	L5	L6	L7	La	Lb	Lc	h	h1	h2	H	b1	b2	b3	B1	B2	Motor model	Motor weight (kg)	Pump weight(kg)
DG250-180×10	5530	2748	1207	1590	1730	1400	1860	1770	770	660	94	1760	560	675	1325	1000	1220	960	1000	1300	Y5601-2-1800kW/6kV	8750	4800
DG250-180×11	5640	2858	1317	1700	1840											1000	1220	960	1000	1300	Y5602-2-2000kW/6kV	9000	5100
DG250-180×12	5750	2968	1427	1810	1950											1000	1220	960	1000	1300	Y5603-2-2240kW/6kV	9250	5350
Model	L	L1	L2	L3	L4	L5	L6	L7	La	Lb	Lc	h	h1	h2	H	b1	b2	b3	B1	B2	Motor model	Motor weight (kg)	Pump weight(kg)
2DG-7	5137	2487	946	1200	1325	1250	1730	1730	770	660	269	1510	500	675	1325	900	1120	900	1000	1300	Y5002-2-1250kW/6kV	5000	4200
2DG-8	5252	2602	1061	1315	1440											1000	1220	930	1000	1300	Y5002-2-1250kW/6kV	5000	4400
2DG-9	5367	2717	1176	1430	1555											1000	1220	930	1000	1300	Y5004-2-1600kW/6kV	5600	4600
2DG-10	5482	2832	1291	1545	1670											1000	1220	930	1000	1300	Y5004-2-1600kW/6kV	5600	4800

3DG-10 Installation dimensions



DG sub-high pressure, high pressure boiler feed pump inlet and outlet flange standards



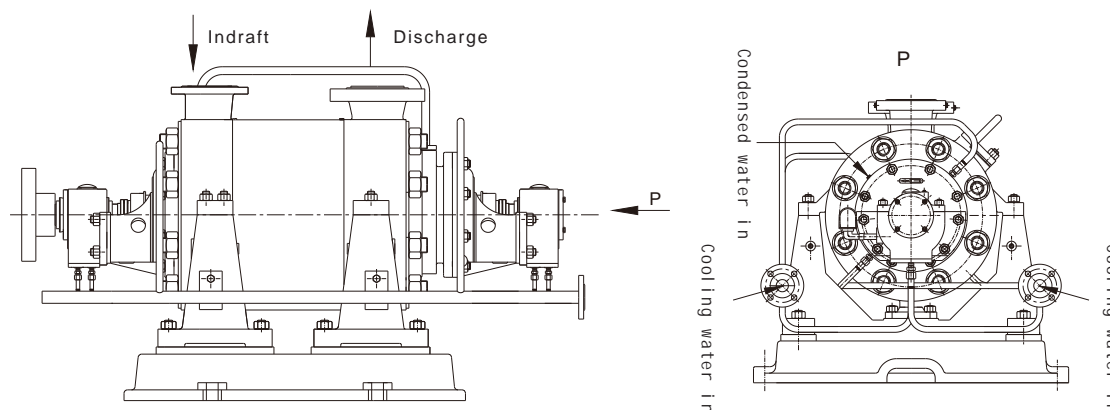
Model	Inlet flange								Outlet flange									
	DN	X	d	K	D	f1/f2	C	n-φL	Flange	DN	X	d	K	D	f1/f2	C	n-φL	Flange
DG25-80	80	-	135	160	195	-/3	22	8-φ18	GB/T9115.1-2000,PN1.6MPa	65	109	138	170	220	4/3	32	8-φ25	GB/T9115.2-2000,PN10MPa
DG36-80	80	-	135	160	195	-/3	22	8-φ18	GB/T9115.1-2000,PN1.6MPa	65	109	138	170	220	4/3	32	8-φ25	GB/T9115.2-2000,PN10MPa
DG45-80	80	-	135	160	195	-/3	22	8-φ18	GB/T9115.1-2000,PN1.6MPa	65	109	138	170	220	4/3	32	8-φ25	GB/T9115.2-2000,PN10MPa
DG65-80	100	-	155	180	215	-/3	22	8-φ18	GB/T9115.1-2000,PN1.6MPa	100	149	172	210	265	4.5/3	22	8-φ30	GB/T9115.2-2000,PN10MPa
DG85-80	100	-	155	180	215	-/3	22	8-φ18	GB/T9115.1-2000,PN1.6MPa	100	149	172	210	265	4.5/3	22	8-φ30	GB/T9115.2-2000,PN10MPa
DG120-80	150	-	218	250	300	-/3	30	8-φ26	GB/T9115.1-2000,PN2.5MPa	125	175	210	250	310	4.5/3	42	8-φ34	GB/T9115.2-2000,PN10MPa
DG150-100	200	-	278	310	360	-/3	34	8-φ26	GB/T9115.1-2000,PN2.5MPa	150	203	250	290	350	4.5/4.5	50.5	12-φ34	GB/T9115.2-2000,PN10MPa
DG200-100	200	-	278	310	360	-/3	34	8-φ26	GB/T9115.1-2000,PN2.5MPa	150	203	250	290	350	4.5/4.5	50.5	12-φ34	GB/T9115.2-2000,PN10MPa
DG280-100	200	-	278	310	360	-/3	34	8-φ26	GB/T9115.1-2000,PN2.5MPa	150	203	250	290	350	4.5/4.5	50.5	12-φ34	GB/T9115.2-2000,PN10MPa
DG85-120	150	-	218	250	300	-/3	30	8-φ26	JB/T82.1-1994 DN150 PN2.5MPa	100	149	-	240	300	6/-	60	8-φ33	JB/T82.2-1994 DN100 PN16MPa
DG85-136	150	-	218	250	300	-/3	30	8-φ26	JB/T82.1-1994 DN150 PN2.5MPa	100	149	-	240	300	6/-	60	8-φ33	JB/T82.2-1994 DN100 PN16MPa
DG120-120	150	-	218	250	300	-/3	30	8-φ26	JB/T82.1-1994 DN150 PN2.5MPa	100	149	-	240	300	6/-	60	8-φ33	JB/T82.2-1994 DN100 PN16MPa
1DG	150	-	218	250	300	-/3	30	8-φ26	JB/T82.1-1994 DN150 PN2.5MPa	100	149	-	240	300	6/-	60	8-φ33	JB/T82.2-1994 DN100 PN16MPa
DG180-180	150	-	218	250	300	-/3	30	8-φ26	GB/T9115.1-2000,PN2.5MPa	150	216	-	318	395	7/5	83	12-φ39	GB/T9115.2-2000 PN26MPa
DG220-160	250	-	332	370	425	-/3	36	12-φ30	JB/T82.1-1994 DN250 PN2.5MPa	175	213	340	394	475	6/3	84	12-φ48	JB/T82.2-1994 DN175 PN20MPa
DG250-180	200	-	278	310	360	-/3	34	8-φ26	GB/T9115.1-2000,PN2.5MPa	150	216	-	318	395	7/5	83	12-φ39	GB/T9115.2-2000 PN26MPa
2DG	250	-	332	370	425	-/3	36	12-φ30	JB/T82.1-1994 DN250 PN2.5MPa	175	213	340	394	475	6/3	84	12-φ48	JB/T82.2-1994 DN175 PN20MPa
3DG-10	250	-	332	370	425	-/3	36	12-φ30	JB/T82.1-1994 DN250 PN2.5MPa	175	213	340	394	475	6/3	84	12-φ48	JB/T82.2-1994 DN175 PN20MPa
DG270-	250	-	332	370	425	-/3	36	12-φ30	JB/T82.1-1994 DN250 PN2.5MPa	175	213	340	394	475	6/3	84	12-φ48	JB/T82.2-1994 DN175 PN20MPa
140BDG270-	250	-	332	370	425	-/3	36	12-φ30	JB/T82.1-1994 DN250 PN2.5MPa	175	213	340	394	475	6/3	84	12-φ48	JB/T82.2-1994 DN175 PN20MPa
140CDG400-	300	-	390	430	485	-/4	40	16-φ30	JB/T82.1-1994 DN300 PN2.5MPa	225	267	418	483	580	6/3	100	12-φ58	JB/T82.2-1994 DN225 PN20MPa

180C

DG sub-high pressure, high-pressure boiler feed pump allows forces and moments acting on the flange

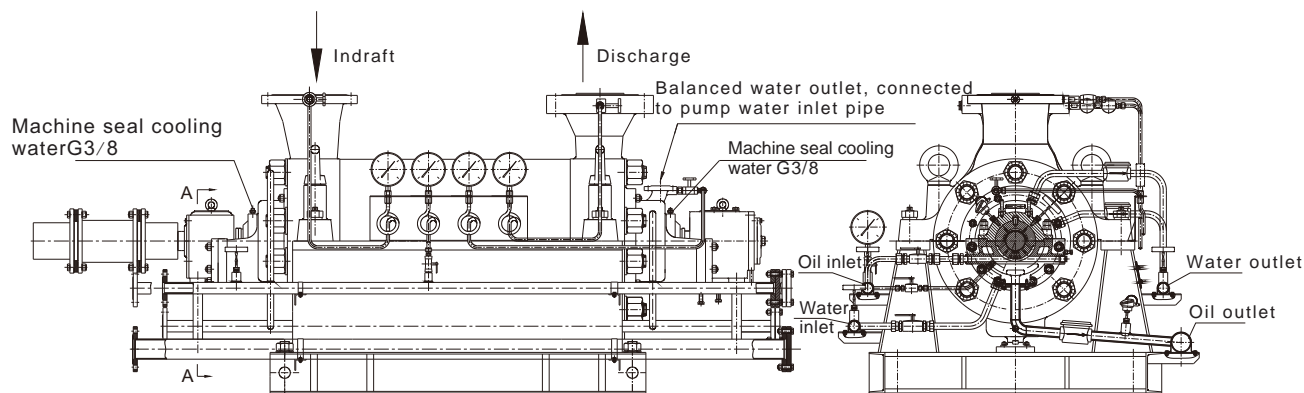
Model	Inlet force (N)					Inlet moment (Nm)				口径	Outlet force (N)				Outlet moment (Nm)			
	DN	Fx	Fy	Fz	ΣF	Mx	My	Mz	ΣM		Fx	Fy	Fz	ΣF	Mx	My	Mz	ΣM
DG25-80	80	2250	2050	2500	3950	1600	1150	1300	2350	65	1850	1700	2100	3300	1500	1100	1200	2200
DG36-80	80	2250	2050	2500	3950	1600	1150	1300	2350	65	1850	1700	2100	3300	1500	1100	1200	2200
DG45-80	80	2250	2050	2500	3950	1600	1150	1300	2350	65	1850	1700	2100	3300	1500	1100	1200	2200
DG65-80	100	3000	2700	3350	5250	1700	1250	1450	2600	100	3000	2700	3350	5250	1700	1250	1450	2600
DG85-80	100	3000	2700	3350	5250	1700	1250	1450	2600	100	3000	2700	3350	5250	1700	1250	1450	2600
DG120-80	150	4500	4050	5000	7850	2500	1750	2050	3650	125	3550	3200	3950	6200	2100	1500	1900	3050
DG150-100	200	6000	5400	6700	10450	3250	2300	2650	4800	150	4500	4050	5000	7850	2500	1750	2050	3650
DG200-100	200	6000	5400	6700	10450	3250	2300	2650	4800	150	4500	4050	5000	7850	2500	1750	2050	3650
DG280-100	200	6000	5400	6700	10450	3250	2300	2650	4800	150	4500	4050	5000	7850	2500	1750	2050	3650
DG85-120	150	5000	4500	4050	7850	2500	1750	2050	3650	100	3000	2700	3350	5250	1700	1250	1450	2600
DG85-136	150	5000	4500	4050	7850	2500	1750	2050	3650	100	3000	2700	3350	5250	1700	1250	1450	2600
DG120-120	150	5000	4500	4050	7850	2500	1750	2050	3650	100	3000	2700	3350	5250	1700	1250	1450	2600
1DG	150	5000	4500	4050	7850	2500	1750	2050	3650	100	3000	2700	3350	5250	1700	1250	1450	2600
DG180-180	150	5000	4500	4050	7850	2500	1750	2050	3650	150	5000	4500	4050	7850	2500	1750	2050	3650
DG220-160	250	7450	6750	8350	13050	4450	3150	3650	6550	175	4500	4050	5000	7850	2500	1750	2050	3650
DG250-180	200	6000	5400	6700	10450	3250	2300	2650	4800	150	4500	4050	5000	7850	2500	1750	2050	3650
2DG	250	7450	6750	8350	13050	4450	3150	3650	6550	175	4500	4050	5000	7850	2500	1750	2050	3650
3DG-10	250	7450	6750	8350	13050	4450	3150	3650	6550	175	4500	4050	5000	7850	2500	1750	2050	3650
DG270-140B.C	250	7450	6750	8350	13050	4450	3150	3650	6550	175	4500	4050	5000	7850	2500	1750	2050	3650
DG400-180C	300	8950	8050	10000	15650	6050	4300	4950	8900	225	6000	5400	6700	10450	3250	2300	2650	4800

DG sub-high pressure boiler feed water pump requirements for two types of cooling water (industrial water, condensate water)



Model	Machine seal inner cavity (filling cavity), no user connection required when using machine seal self-flushing structure					Cooling Tube				
	Medium	Size of interface Plug connection	Temperature	Pressure(MPa)	Flow(m ³ /h)	Medium	Size of interface Flange connection	Temperature	Pressure (Mpa)	Flow(m ³ /h)
DG12-80	Condensed water	1/2" One in one out	≤30°C	0.7~1.0	2	Industrial water	DN25 PN40	≤30°C	0.2~0.4	3~5
DG25-80		1/2" One in one out	≤30°C	0.7~1.0	2		DN25 PN40	≤30°C	0.2~0.4	3~5
DG36-80		1/2" One in one out	≤30°C	0.7~1.0	2		DN25 PN40	≤30°C	0.2~0.4	3~5
DG45-80		1/2" One in one out	≤30°C	0.7~1.0	2		DN25 PN40	≤30°C	0.2~0.4	3~5
DG65-80		3/8" One in one out	≤30°C	0.7~1.0	2		DN25 PN40	≤30°C	0.2~0.4	3~5
DG85-80		3/8" One in one out	≤30°C	0.7~1.0	2		DN25 PN40	≤30°C	0.2~0.4	3~5
DG120-80		1/2" Only in	≤30°C	0.7~1.0	3		DN25 PN40	≤30°C	0.2~0.4	5~7
DG150-100		Packing structure not connected, 3/8" of mechanical seal only get inside	≤30°C	0.7~1.0	3		DN25 PN40	≤30°C	0.2~0.4	5~7
DG200-100			≤30°C	0.7~1.0	3		DN25 PN40	≤30°C	0.2~0.4	5~7
DG280-100			≤30°C	0.7~1.0	3		DN25 PN40	≤30°C	0.2~0.4	5~7

DG high pressure boiler feed water pump requirements for two types of cooling water (industrial water, condensate water)



Model	Machine seal inner cavity flushing (No connection needed when use)				Cooling water pipe				Sliding bearing lubricant tube			
	Medium	Inter face size	T	Stress(MPa)	Flow(m ³ /h)	Medium	Connection size(Flange)	T°C	Stress(MPa)	Flow(m ³ /h)	Oil inlet pipe connection size	Oil inlet pipe connection size
DG85-120	Condensed water	3/8" Only in	≤30°C	0.8-1.0	2	Industrial water	DN50, PN40	≤30°C	0.2~0.4	3~5	DN50, PN40	DN80, PN16
DG85-136		3/8" Only in	≤30°C	0.8-1.0	2		DN50, PN40	≤30°C	0.2~0.4	3~5	DN50, PN40	DN80, PN16
DG120-120		3/8" Only in	≤30°C	0.8-1.0	2		DN50, PN40	≤30°C	0.2~0.4	3~5	DN50, PN40	DN80, PN16
1DG		3/8" Only in	≤30°C	0.8-1.0	2		DN50, PN40	≤30°C	0.2~0.4	3~5	DN50, PN40	DN80, PN16
DG180-180		3/8" Only in	≤30°C	0.8-1.0	3		DN50, PN40	≤30°C	0.2~0.4	5~7	DN50, PN40	DN80, PN16
DG220-160		3/8" Only in	≤30°C	0.8-1.0	3		DN50, PN40	≤30°C	0.2~0.4	5~7	DN50, PN40	DN80, PN16
DG250-180		3/8" Only in	≤30°C	0.8-1.0	3		DN50, PN40	≤30°C	0.2~0.4	5~7	DN50, PN40	DN80, PN16
2DG		3/8" Only in	≤30°C	0.8-1.0	3		DN50, PN40	≤30°C	0.2~0.4	5~7	DN50, PN40	DN80, PN16
3DG-10		3/8" Only in	≤30°C	0.8-1.0	3		DN50, PN40	≤30°C	0.2~0.4	5~7	DN50, PN40	DN80, PN16
DG270-140B		3/8" Only in	≤30°C	0.8-1.0	3		DN50, PN40	≤30°C	0.2~0.4	5~7	DN50, PN40	DN80, PN16
DG270-140C		3/8" Only in	≤30°C	0.8-1.0	3		DN50, PN40	≤30°C	0.2~0.4	5~7	DN50, PN40	DN80, PN16
DG400-180C		3/8" Only in	≤30°C	0.8-1.0	3		DN50, PN40	≤30°C	0.2~0.4	5~7	DN50, PN40	DN80, PN16

DG sub-high pressure boiler feed pump two years spare parts list

List of spare parts for two years (1 spare)									
Model	Rotor main part (PCS)				Balancer				
	Shaft 1	Firstimpeller1	Impeller 2	Last impeller 1	Balance plate2	Balancesleeve2	Balancesleeve2	Balancesleeve2	Balancesleeve2
DG12-80	DG45-80-0101	DG12-80-0102	DG12-80-0103	/	DG45-80-0105	DG45-80-0109	DG45-80-0010	DG45-80-0011	
DG25-80	DG45-80-0101	DG25-80-0102	DG25-80-0103	/	DG45-80-0105	DG45-80-0109	DG45-80-0010	DG45-80-0011	
DG36-80	DG45-80-0101	DG36-80-0102	DG36-80-0103	/	DG45-80-0105	DG45-80-0109	DG45-80-0010	DG45-80-0011	
DG45-80	DG45-80-0101	DG45-80-0102	DG45-80-0103	/	DG45-80-0105	DG45-80-0109	DG45-80-0010	DG45-80-0011	
DG65-80	DG85-80-0101	DG85-80-0102	DG65-80-0103	DG65-80-0104	DG85-80-0105	DG85-80-0109	DG85-80-0010	DG85-80-0011	
DG85-80	DG85-80-0101	DG85-80-0102	DG85-80-0103	DG85-80-0104	DG85-80-0105	DG85-80-0109	DG85-80-0010	DG85-80-0011	
DG120-80	DG120-80-0101	DG120-80-0102	DG120-80-0103	/	DG120-80-0105	DG120-80-0109	DG120-80-0010		
DG150-100	DG150-100-0101	DG150-100-0102	DG150-100-0103	DG150-100-0104	DG150-100-0105	DG150-100-0109	DG150-100-0010		/
DG200-100	DG200-100-0101	DG200-100-0102	DG200-100-0103	DG200-100-0104	DG200-100-0105	DG200-100-0109	DG200-100-0010		
DG280-100	DG200-100-0101	DG280-100-0102	DG280-100-0103	DG280-100-0104	DG200-100-0105	DG200-100-0109	DG200-100-0010		

Model	Shaft seal part(PCS)				Seal ring (PCS)				
	Shaftsleeve2	Packingring2	Packing20	Machine seal 2	Bearing 2	Frontsealing1	MiddlesealingN-1	DiffusorSleeveN-1	
DG12-80	DG45-80-0107	B2102-70-75	12X12X280	H75-70	NU312E	DG45-80-0012	DG45-80-0013	DG45-80-0014	
DG25-80	DG45-80-0107	B2102-70-75	12X12X280	H75-70	NU312E	DG45-80-0012	DG45-80-0013	DG45-80-0014	
DG36-80	DG45-80-0107	B2102-70-75	12X12X280	H75-70	NU312E	DG45-80-0012	DG45-80-0013	DG45-80-0014	
DG45-80	DG45-80-0107	B2102-70-75	12X12X280	H75-70	NU312E	DG45-80-0012	DG45-80-0013	DG45-80-0014	
DG65-80	DG85-80-0107	B2102-70-80	14X14X320	H75-75	B1207-72-60	DG85-80-0012	DG85-80-0013	DG85-80-0014	
DG85-80	DG85-80-0107	B2102-70-80	14X14X320	H75-75	B1207-72-60	DG85-80-0012	DG85-80-0013	DG85-80-0014	
DG120-80	DG120-80-0107	B2102-70-100	14X14X400	H75-95	B1207-72-70	DG120-80-0012	DG120-80-0013	DG120-80-0014	
DG150-100	DG150-100-0106	B2102-70-110	16X16X410	H75-100	B1207-72-80	DG150-100-0012	DG150-100-0013	DG150-100-0014	
DG200-100	DG150-100-0106	B2102-70-110	16X16X410	H75-100	B1207-72-80	DG200-100-0012	DG200-100-0013	DG150-100-0014	
DG280-100	DG150-100-0106	B2102-70-110	16X16X410	H75-100	B1207-72-80	DG200-100-0012	DG200-100-0013	DG150-100-0014	

Model	O shape seal ring whole set (PCS)								
	Middle seal N	Cooling body seal 2	Water cool cap seal1	Water cool cap seal2	Balance ring seal1	Machine seal cap seal2	Shaft sleeve seal2	Bearing cap sel 2	
DG12-80	315X5.3	280X5.3	280X5.3(2 Pcs)	185X3.55	132X3.55	100X3.55	60X2.65	128X3.55	
DG25-80	315X5.3	280X5.3	280X5.3(2 Pcs)	185X3.55	132X3.55	100X3.55	60X2.65	128X3.55	
DG36-80	315X5.3	280X5.3	280X5.3(2 Pcs)	185X3.55	132X3.55	100X3.55	60X2.65	128X3.55	
DG45-80	315X5.3	280X5.3	280X5.3(2Pcs)	185X3.55	132X3.55	100X3.55	60X2.65	128X3.55	
DG65-80	350X5.7	260X5.7	260X5.7	120X5.7	145X5.7	110X3.55	65X3.1		
DG85-80	350X5.7	260X5.7	260X5.7	120X5.7	145X5.7	110X3.55	65X3.1		
DG120-80	405X5.3	290X5.3	290X5.3	145X5.3	110X2.65	130X3.55	75X2.65		
DG150-100	425X5.3	335X5.3	/	160X5.3	112X2.65	140X2.65	85X2.65	/	
DG200-100	425X5.3	335X5.3	/	160X5.3	112X2.65	140X2.65	85X2.65	/	
DG280-100	425X5.3	335X5.3	/	160X5.3	112X2.65	140X2.65	85X2.65	/	

DG high pressure boiler feed pump two years spare parts list

List of spare parts for two years (for a single pump)									
Model	Rotor main part (PCS)				Balancer		Seal ring		
	Shaft 1	Firstimpeller1	Impeller2	Lastimpeller1	Balance plate 2	Balance plate 2	Front seal ring 1	MiddlesealingN-1	BalancesleeveN-1
DG85-120	1DG-0101	DG85-120-0102	DG85-120-0103	DG85-120-0104	1DG-0105	1DG-0010	1DG-0012	1DG-0013	1DG-0014
DG85-136	1DG-0101	DG85-120-0102	DG85-120-0103	DG85-120-0104			1DG-0012	1DG-0013	1DG-0014
DG120-120	1DG-0101	1DG-0102	DG120-120-0103	DG120-120-0104			1DG-0012	1DG-0013	1DG-0014
1DG	1DG-0101	1DG-0102	1DG-0103	/			1DG-0012	1DG-0013	1DG-0014
DG180-180	DG180-180-0101	DG180-180-0102	DG180-180-0103	DG180-180-0104			DG180-180-0012	DG180-180-0013	DG180-180-0014
DG220-160	DG270-140C-0101	DG220-160-0102	DG220-160-0103	DG220-160-0104			DG270-140C-0012	DG270-140C-0013	DG270-140C-0014
DG250-180	DG250-180-0101	DG250-180-0102	DG250-180-0103	DG250-180-0104			DG250-180-0012	DG250-180-0013	DG250-180-0014
2DG	DG270-140C-0101	2DG-0102	2DG-0103	/			DG270-140C-0012	DG270-140C-0013	DG270-140C-0014
3DG-10	DG270-140C-0101	3DG-0102	3DG-0103	3DG-0104			DG270-140C-0012	DG270-140C-0013	DG270-140C-0014
DG270-140B	DG270-140C-0101	DG270-140B-0102	DG270-140B-0103	DG270-140B-0104			DG270-140C-0012	DG270-140C-0013	DG270-140C-0014
DG270-140C	DG270-140C-0101	DG270-140C-0102	DG270-140C-0103	DG270-140C-0104	DG270-140C-0012	DG270-140C-0013	DG270-140C-0014		
DG400-180C	DG400-180C-0101	DG400-180C-0102	DG400-180C-0103	DG400-180C-0104	DG400-180C-0105	DG400-180C-0010	DG400-180C-0012	DG400-180C-0013	DG400-180C-0014

Model	Shaft seal part (PCS)				Sliding bearing part				
	Shaftsleeve 2	Packing ring2	Packing 20	Machine seal 2	Bearing joint (left) 1	Bearing joint (right) 1	Thrust block	Thrust bearing base	
DG85-120	1DG-0107	1DG-0021	16X16X410	HS11/117	1DG-0200-1-03	1DG-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
DG85-136	1DG-0107	1DG-0021	16X16X410	HS11/117	1DG-0200-1-03	1DG-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
DG120-120	1DG-0107	1DG-0021	16X16X410	HS11/117	1DG-0200-1-03	1DG-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
1DG	1DG-0107	1DG-0021	16X16X410	HS11/117	1DG-0200-1-03	1DG-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
DG180-180	/	/	/	SP-70597A-1(左/右)	DG270-140C-0200-1-03	DG270-140C-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
DG220-160	DG270-140C-0107	DG270-140C-0021	16X16X440	HS11/117	DG270-140C-0200-1-03	DG270-140C-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
DG250-180	/	/	/	SP-70597A-2(左/右)	DG270-140C-0200-1-03	DG270-140C-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
2DG	DG270-140C-0107	DG270-140C-0021	16X16X440	HS11/117	DG270-140C-0200-1-03	DG270-140C-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
3DG-10	DG270-140C-0107	DG270-140C-0021	16X16X440	HS11/117	DG270-140C-0200-1-03	DG270-140C-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
DG270-140B	DG270-140C-0107	DG270-140C-0021	16X16X440	HS11/117	DG270-140C-0200-1-03	DG270-140C-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
DG270-140C	DG270-140C-0107	DG270-140C-0021	16X16X440	HS11/117	DG270-140C-0200-1-03	DG270-140C-0200-2-03	DG270-140C-0200-2-05	DG270-140C-0200-2-06	
DG400-180C	/	/	/	HS11/142	DG400-180C-0200-1-03	DG400-180C-0200-2-03	DG400-180C-0200-2-05	DG400-180C-0200-2-06	

Model	O shape seal whole set (PCS)						Machine seal	
	Middle seal N	Bearing frames seal	Water cool cap seal1	Water cool cap seal2	Balance plate seal 1	Balance plate seal 1	cap seal 2	Shaft sleeve seal2
DG85-120	385X5.3	340X5.3	180X3.55	170X3.55	132X5.3	85X3.55	180X3.55	85X3.55
DG85-136	385X5.3	340X5.3	180X3.55	170X3.55	132X5.3	85X3.55	180X3.55	85X3.55
DG120-120	385X5.3	340X5.3	180X3.55	170X3.55	132X5.3	85X3.55	180X3.55	85X3.55
1DG	385X5.3	340X5.3	180X3.55	170X3.55	132X5.3	85X3.55	180X3.55	85X3.55
DG180-180	485X5.3	360X5.3 350X5.3	180X3.55	170X5.3	125X2.65	90X3.55	/	/
DG220-160	470X5.3	355X5.3	180X3.55	170X5.3	125X2.65	90X3.55	180X3.55	90X3.55
DG250-180	485X5.3	360X5.3 350X5.3	180X3.55	170X5.3	125X2.65	90X3.55	/	/
2DG	470X5.3	355X5.3	180X3.55	170X5.3	125X2.65	90X3.55	180X3.55	90X3.55
3DG-10	470X5.3	355X5.3	180X3.55	170X5.3	125X2.65	90X3.55	180X3.55	90X3.55
DG270-140B	470X5.3	355X5.3	180X3.55	170X5.3	125X2.65	90X3.55	180X3.55	90X3.55
DG270-140C	470X5.3	355X5.3	180X3.55	170X5.3	125X2.65	90X3.55	180X3.55	90X3.55
DG400-180C	530X5.3	405X5.3	240X3.55	170X5.3	180X5.3	115X5.3	190X5.3	115X5.3

DG high pressure boiler feed pump supply list (selected according to user needs)					
No.	Name	Model	QTY	Device location	Remark
1	Pump head	DG type high pressure boiler feed water pump	1		
2	Dribbing machine	YKK motor, steam turbine	1	Driver	User-provided driver mode
3	Fluid coupling	Model of each manufacturer	1	Between pump and motor	Selection according to power and speed
4	Y-strainers JIS	GL41H-25 DN (150 250 300)	1	Feed water pump inlet	Caliber in brackets
5	Pressure difference switch	Model of each manufacturer	1	Imported filter front and rear flange	1.6MPa, 160 (0.06MPa
6	No-load running check valve	H48H-160 DN100	1	Feed flow pump outlet minimum flow protection	DG85-120 DG85-136 DG120-120 1DG
		H48H-260 DN150			DG180-180 DG250-180
		H48H-200 DN175			DG220-160 2DG 3DG DG270-140B C
		H48H-200 DN225			DG400-180C
7	Thin oil station	XYZ-63G	1	Unit side	
8	Inlet reverse flange	DN150 PN2.5MPa	1	Feed water pump inlet (with metal winding pad)	DG85-120 DG85-136 DG120-120 1DG DG180-180
		DN200 PN2.5MPa			DG250-180
		DN250 PN2.5MPa			DG220-160 2DG 3DG DG270-140B C
		DN300 PN2.5MPa			DG400-180C
9	Outlet reverse flange	DN100 PN16MPa	1	Water pump outlet (with metal toothed pad)	DG85-120 DG85-136 DG120-120 1DG
		DN150 PN26MPa			DG180-180 DG250-180
		DN175 PN20MPa			DG220-160 2DG 3DG DG270-140B C
		DN225 PN20MPa			DG400-180C
10	Vibration device	Model of each manufacturer	2	Left and right bearing bodies	With vibration sensor (M10X1.5) 2
11	Reverse speed detection protector	Model of each manufacturer	1	High-pressure end bearing body	Installation size M16 * 1, screw length 100MM
12	Spiral Wound Gasket	D1222 DN150-PN25	1	Feed water pump inlet	JB/T90-94
		D1222 DN200-PN25			
		D1222 DN250-PN25			
		D1222 DN300-PN25			
13	Metal toothed pad	100-160, 0Cr19Ni9	1	Feed water pump outlet	JB/T88-94
		150-260, 0Cr19Ni9			
		175-200, 0Cr19Ni9			
		225-200, 0Cr19Ni9			
14	Coiled pipe cooler	QLRJ250-20-12-00, FLRJ250-20-12-00	2	Pump side	Cooling water machine seal self-washing
Pressure and temperature detection instrument list (with the pump itself)					
No.	Name	Model	QTY	Device location	Useage
1	Pressure instrument	YN-150 YN-100 0 1.6MPa	1	Inlet flange	Inlet water pressure detection
2	Pressure instrument	YN-150 YN-100 0 2.5MPa	1	Outlet flange	Outlet water pressure detection
3	Pressure instrument	YN-150 YN-100 0 1.0MPa	1	Balanced water return pipe flange	Balanced water pressure detection
4	Pressure instrument	YN-150 YN-100 0 0.25MPa	1	Lubricating oil inlet pipe	Lubricant pressure detection
5	Pressure instrument	YN-150 YN-100 0 0.6MPa	1	Cooling water outlet pipe	Cooling water pressure detection
6	Platinum thermistor	WZPK2-336A, 0 150 , Pt100, Φ6x75 R3/8	2	Left and right bearing bodies	Left and right sliding and thrust bearing temperature detection
7	Bimetal thermometer	WSS485, 0 150 Φ8x75 R3/8	2	Left and right bearing bodies	Left and right bearing local temperature display
8	Platinum thermistor	WZPK2-336A, 0 150 , Pt100 Φ6x75, R3/8	2	Left and right bearing oil pipes	Oil temperature detection of left and right sliding bearings
9	Flow Indicator	YZQ-32, G1-1/4	2	Left and right bearing body oil pipes	Flow instruction
10	Flow Indicator	YZQ-20, G3/4	2	Bearing bracket cooling water outlet pipe	Flow instruction

有凯泉的地方就有水



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YB/KAIQUAN DG-20191006