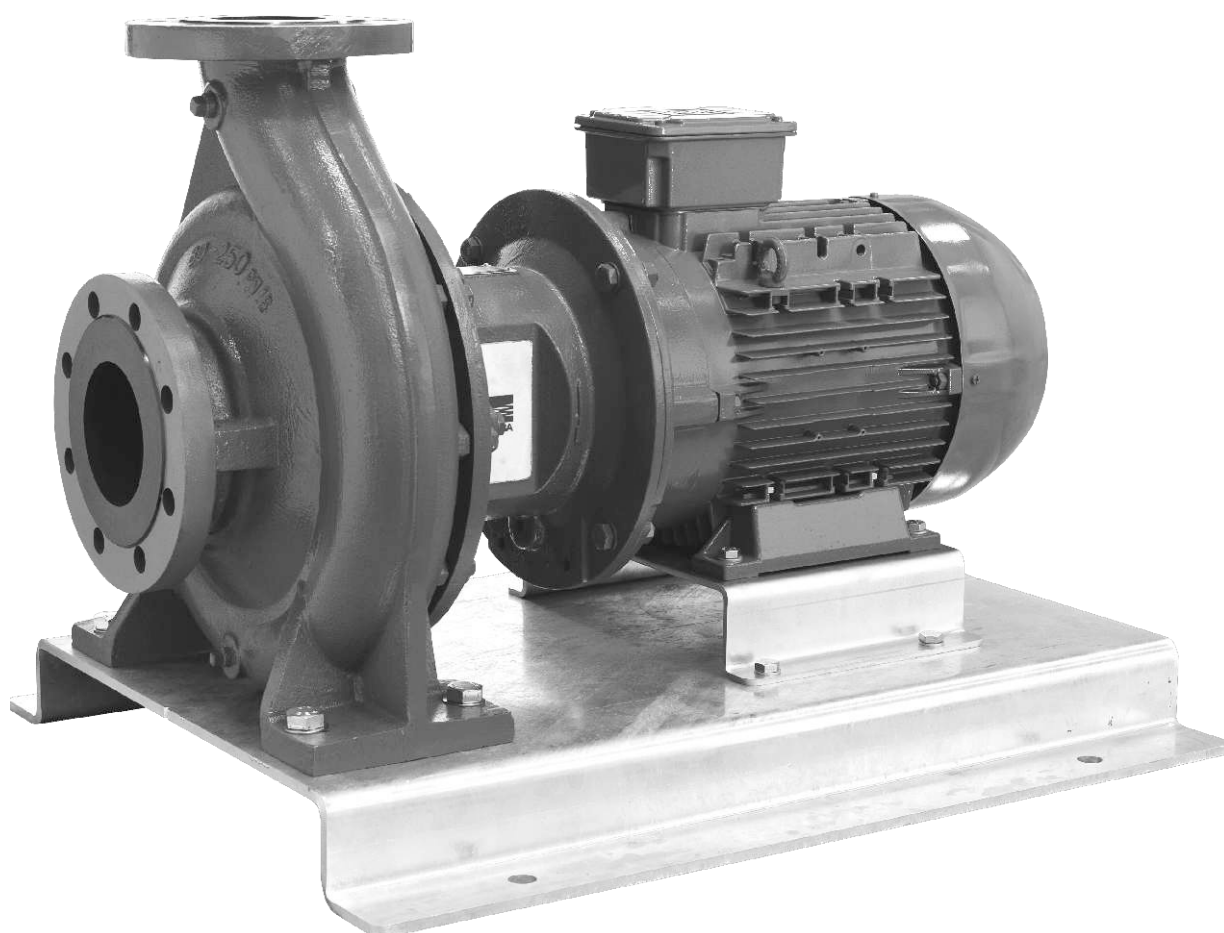




GSD

Cast Iron End Suction Motor Pumps (to EN733)



Features & Model code	Page 1
MEI & Specifications	Page 2
Sectional view & Materials	Page 3
Selection Charts 2 & 4 Pole	Page 4
Dimensions (on baseplate)	Pages 5 to 10
Configuration (Types)	Page 11

A versatile high quality compact close coupled motor pump suitable for many applications where water needs to be transferred or boosted

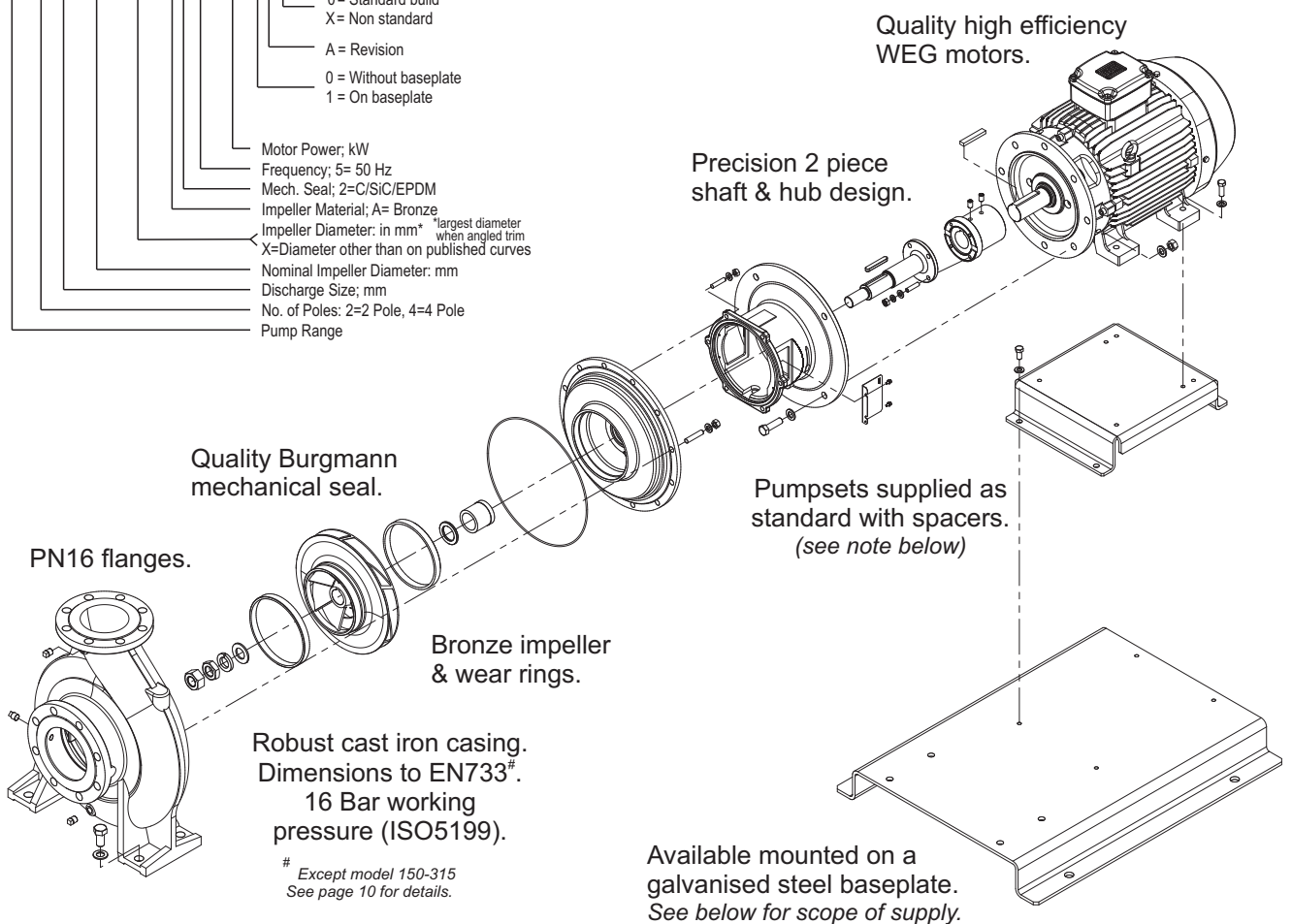
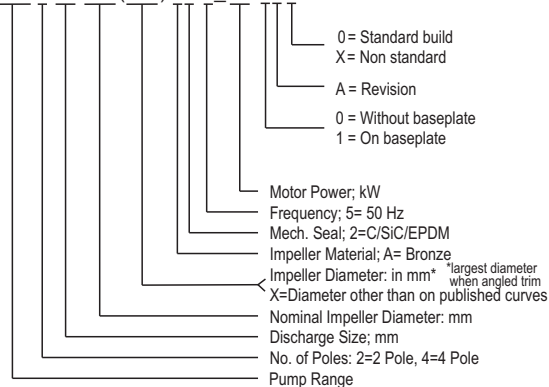
- Pump dimensions to EN733[#]
- High efficiency hydraulic design (MEI $\geq$ 0.6 all models)
- Cast Iron/Bronze/Stainless steel construction
- Compact close coupled design

Applications include:-

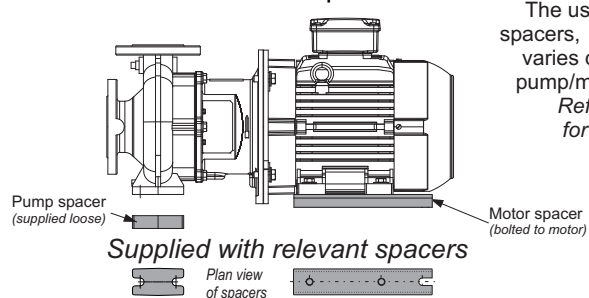
- Water supply & pressure boosting
- Building services & cooling towers
- Industrial
- Irrigation, etc.

Model code

GSD4 80-250(234)/A2/5 7.5/0A0

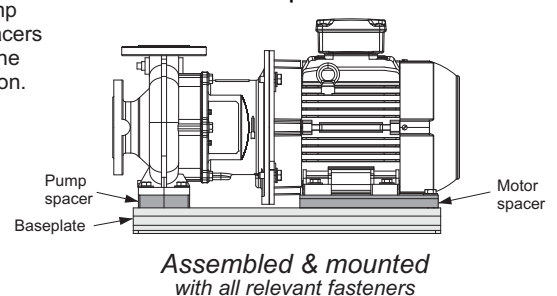


Without Baseplate



Example configuration only
The use of stays, pump spacers, &/or motor spacers varies depending on the pump/motor combination. Refer to page 11 for more details

On Baseplate

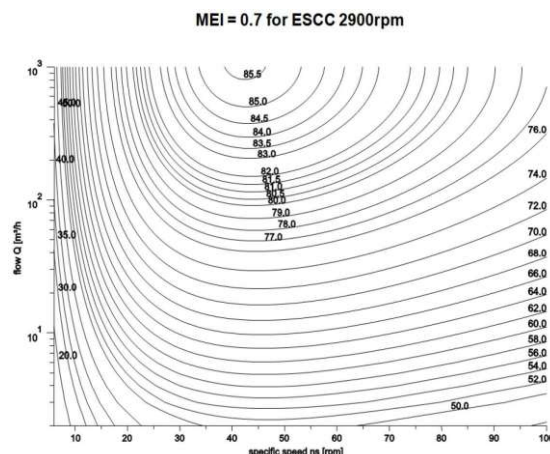


The Minimum Efficiency Index (MEI) was introduced in Europe as a comparative measure of a pumps efficiency. Recognising that pumping equipment is a major consumer of electrical power, this comparative measure was developed, and pumping equipment had to meet a minimum standard (MEI>0.4) to be sold in Europe after January 2015.

The MEI is based on the full size impeller, and takes into account best efficiency point as well as part load and overload efficiencies to provide a broader comparison.

Basically the higher the MEI, the higher the efficiency and comparative performance of the pumps.

The majority of the GSD range are MEI>0.7, with the balance >0.6, an indication of the high quality design and manufacture by Ebara.



Specifications

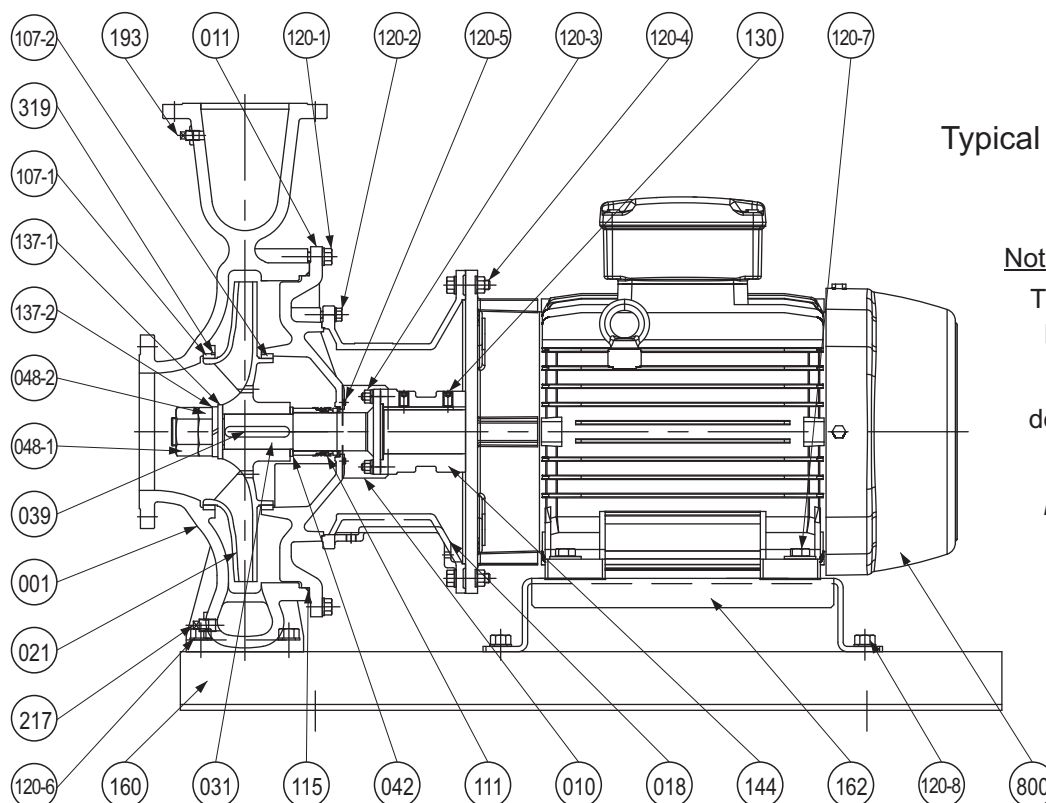
 Model **GSD**

		Standard	Option
Pump	Type	Close coupled end suction motor pump to EN733 (Pump end dimensions) [#]	
	Flanges	EN PN 16 (EN 1092-2)	
Scope	Pump discharge	32 mm to 150 mm	
	Motor power	2 Pole: 1.5 to 110 kW 4 Pole: 1.1 to 75 kW	
	Performance	2 pole: (Q) 8 - 800 m³/hr (H) 10 - 150 m hd 4 pole: (Q) 4 - 650 m³/hr (H) 3 - 70 m hd	
Liquid handled	Type	Water	
	Temperature	-10° to +120°C	
Max. allowable working pressure (MAWP)		16 Bar*	
Max. allowable suction pressure (MASP)**		<16 Bar- Pump shut-off pressure (PSP)	
Construction	Impeller	Closed centrifugal	
	Shaft	Stub shaft & hub	
	Mechanical seal	Single spring, rubber bellows (to EN12756)	
Materials	Casing	Cast iron (FC250)	
	Impeller	Bronze (CAC 406)	
	Casing wear ring	Bronze (CAC 406)	
	Shaft	420 Stainless steel (<i>wetted part</i>)	
	Mechanical Seal	Carbon/SiC/EPDM	
	Back cover	Cast iron (FC250)	
	Motor bracket	Cast iron (FC250)	
	Spacers	Refer page 11	
Motor	Type	WEG W21	
	Efficiency Std	IE3 (or E2)	
	Enclosure	IP55	
	Insulation class	Class F	
	Motor frame material	Aluminium (up to 200 Fr.) Cast Iron (225 Fr. & above)	
Supply		Motor pump c/w spacers where required. (refer to page 11 for details)	On galvanised steel baseplate

* 16 Bar rating to ISO5199

**MASP < MAWP - PSP

[#] Except model 150-315
See page 10 for details.



Typical arrangement only

Note**

The use of stays, pump spacers, and/or motor spacers varies depending on the pump/motor combination. Refer to page 11 for more details

014 & 117 only
applicable to size 150-400
(with double volute design)

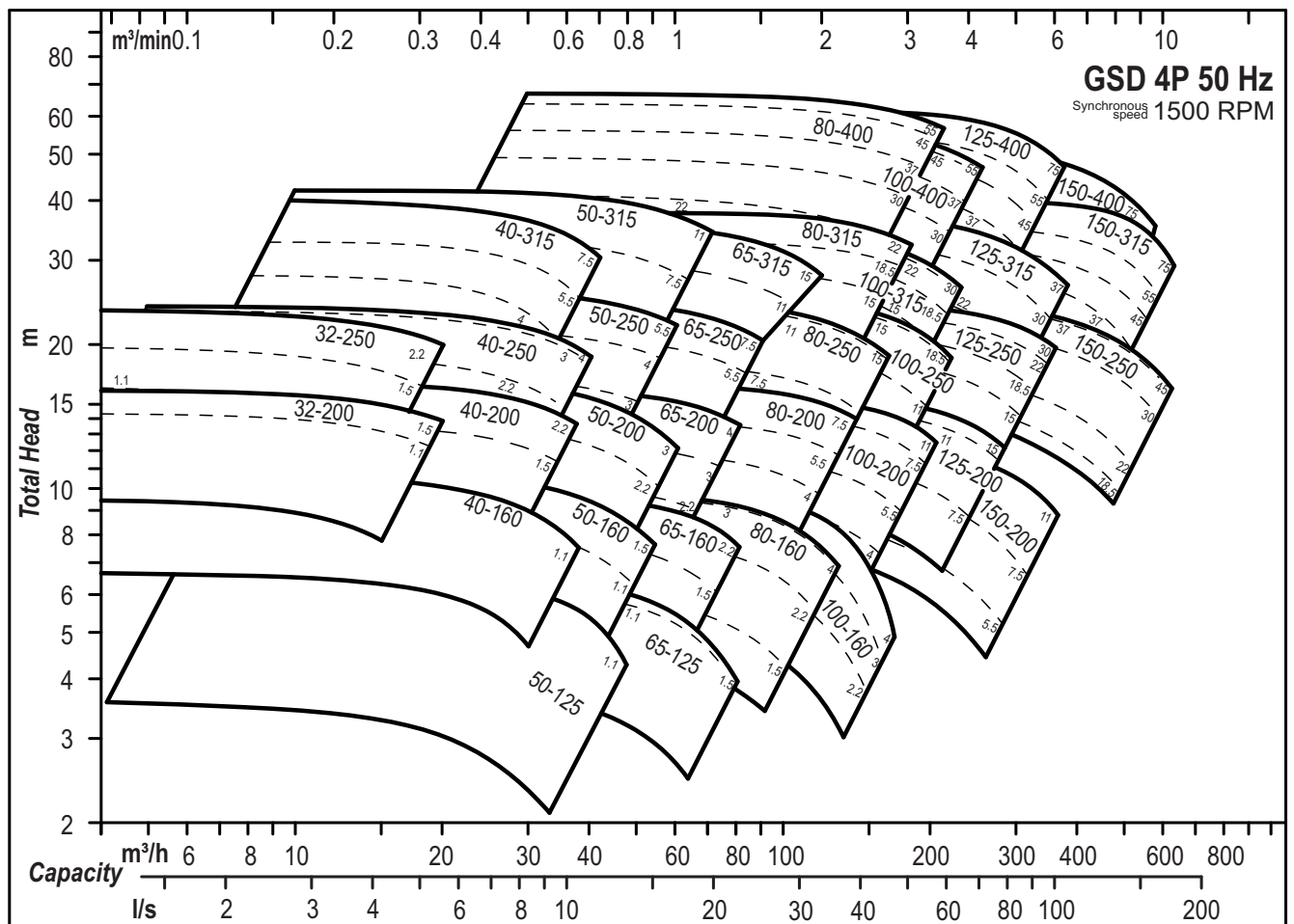
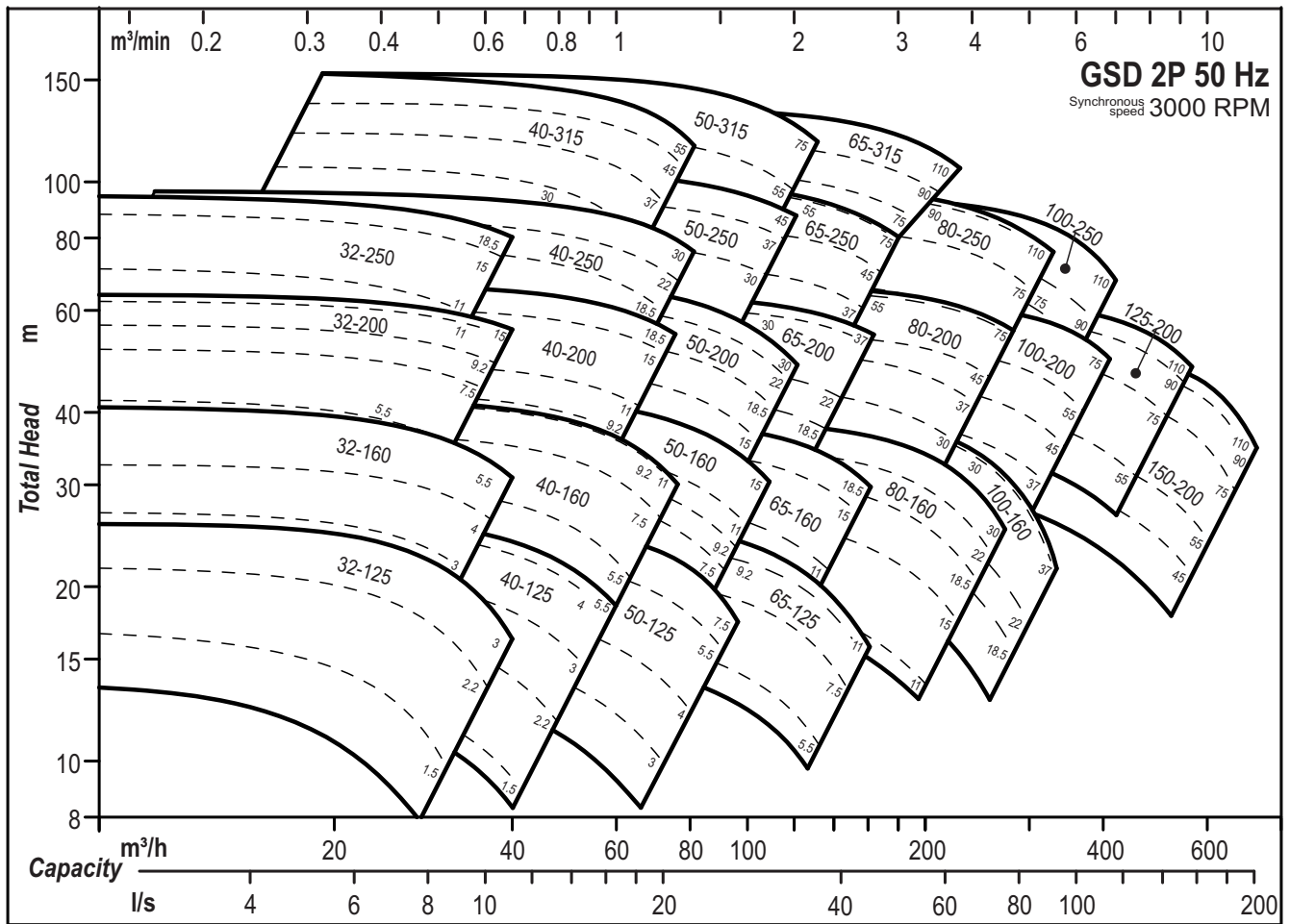
Item No.	Part name		Materials		
001	CASING	1	Cast Iron (ED painted)	FC250	EN-GJL-250(EN-JL1040)
010	PROTECTOR	1	304 Stainless steel	SUS304	X5CrNi18-10(1.4301)
011	CASING COVER	1	Cast Iron (ED painted)	FC250	EN-GJL-250(EN-JL1040)
018	BRACKET	1	Cast Iron (ED painted)	FC250	EN-GJL-250(EN-JL1040)
021	IMPELLER	1	Bronze	CAC406	CuSn5Zn5Pb5(CC491K)
031	SHAFT	1	420 Stainless steel Wetted part	SUS420J2Q/S35C	X30Cr13(1.4028)/C35
039	KEY	1	420 Stainless steel	SUS420J2	X30Cr13(1.4028)
042	MECHANICAL SEAL SPACER	1	304 Stainless steel	SUS304	X5CrNi18-10(1.4301)
048-1	IMPELLER NUT(A)	1	304 Stainless steel	SUS304	X5CrNi18-10(1.4301)
048-2	IMPELLER NUT(B)	1	304 Stainless steel	SUS304	X5CrNi18-10(1.4301)
107-1	CASING RING	1	Bronze	CAC406	CuSn5Zn5Pb5(CC491K)
107-2	CASING RING	1	Bronze	CAC406	CuSn5Zn5Pb5(CC491K)
111	MECHANICAL SEAL	1	Elastomer bellows seal	C/SiC/EPDM/316	BQ1EGG
115	O-RING	1	Rubber	EPDM	
014*	HANDHOLE COVER*	1	Cast Iron (ED painted)	FC250	
117*	HANDHOLE GASKET*	1	(Joint sheet gasket)	V#6500	
120-X*	BOLT (with PLAIN WASHER)	X*	Steel, Zn plated	SS400	
120-3	STUD BOLT (with SPRING & PLAIN WASHER)	4	CrMo Steel (Steel, Zn plated)	SCM435/S45C/SS	AISI4135/C45/SS
130	HEXAGON SOCKET SET SCREW	2	CrMo Steel	SCM435	AISI4135
137-1	PLAIN WASHER	4	304 Stainless steel	SUS304	X5CrNi18-10(1.4301)
137-2	SPRING LOCK WASHER	4	304 Stainless steel	SUS304	X5CrNi18-10(1.4301)
144	HUB	1	Carbon Steel	S35C	C35
160	BASE	1	Galvanised Steel	SS400	
162	MOTOR SPACER**	1**		SS400 or FC150	
193	PLUG	1	Steel, Zn plated	SS	
217	PLUG	1	Steel, Zn plated	SS	
319	SPRING PIN	2	420 Stainless steel	SUS420J1	X20Cr13(1.4021)
800	MOTOR	1			

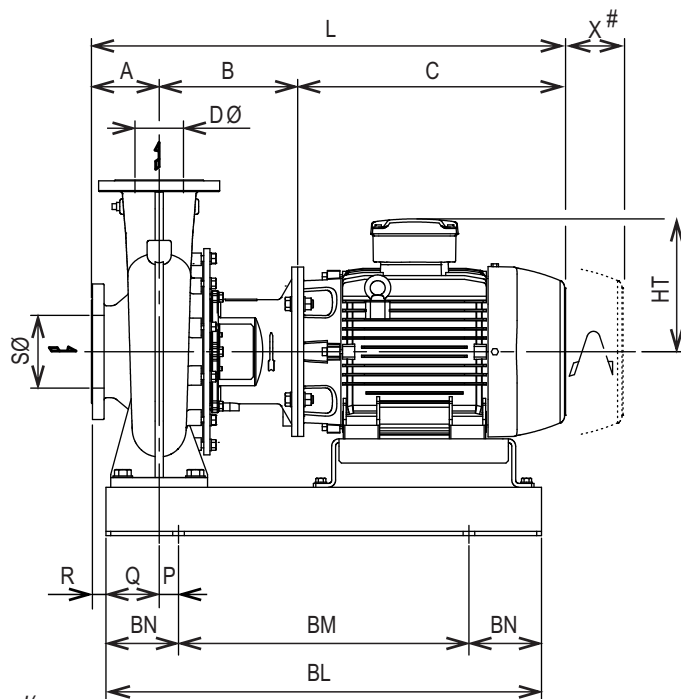
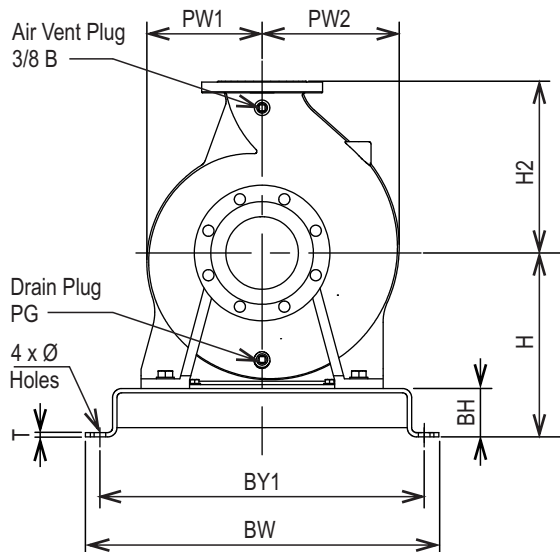
120-X* = 120-1,-2,-4,-5,-6,-7,-8,-9,-10,-11,-12 * qty depends on model

** see note next to drawing above

Selection charts

Model **GSD**





Typical arrangement only { The use of stays, motor spacers, and/or pump spacers varies depending on the pump/motor combination. Refer to page 11 for more details on the "Types".

- X is the minimum free space required behind the motor to allow for the removal of the rotating element from the casing.

2 Pole models	SØ	DØ	Power kW	Motor Fr W21 IE3	Type	Dimensions - mm																						Weight kg
						A	B	BH	BL	BM	BN	BW	BY1	C	H	H2	HT	L	P	PG	PW1	PW2	Q	R	T	Ø	X	
GSD2 32-125	50	32	1.5	90S/L	1A	80	176	50	450	300	75	360	320	279	162	140	155	535	15	1/4B	103	115	60	20	6	15	100	56
			2.2	90S/L	1A	80	176	50	450	300	75	360	320	279	162	140	155	535	15	1/4B	103	115	60	20	6	15	100	58
			3	100L	5A	80	186	50	550	370	90	360	320	316	182	140	165	582	30	1/4B	103	115	60	20	6	15	100	72
GSD2 32-160	50	32	3	100L	3A	80	186	50	600	400	100	390	350	316	182	160	165	582	40	1/4B	120	130	60	20	6	15	100	75
			4	112M	3A	80	186	50	600	400	100	390	350	333	182	160	185	599	40	1/4B	120	130	60	20	6	15	100	82
			5.5	132S	5A	80	206	50	600	400	100	390	350	410	207	160	205	696	40	1/4B	120	130	60	20	6	15	100	109
GSD2 32-200	50	32	5.5	132S	3A	80	206	50	600	400	100	390	350	410	210	180	205	696	40	1/4B	138	149	60	20	6	15	100	117
			7.5	132S	3A	80	206	50	600	400	100	390	350	410	210	180	205	696	40	1/4B	138	149	60	20	6	15	100	123
			9.2	132M	3A	80	206	50	600	400	100	390	350	410	210	180	205	696	40	1/4B	138	149	60	20	6	15	100	131
			11	160M/L	5A	80	236	50	800	540	130	490	440	524	230	180	255	840	70	1/4B	138	149	60	20	8	24	100	196
			15	160M/L	5A	80	236	50	800	540	130	490	440	524	230	180	255	840	70	1/4B	138	149	60	20	8	24	100	199
GSD2 32-250	50	32	7.5	132S	3C	100	206	50	650	430	110	490	440	410	230	225	205	716	35	1/4B	162	172	75	25	6	19	100	136
			9.2	132M	3C	100	206	50	650	430	110	490	440	410	230	225	205	716	35	1/4B	162	172	75	25	6	19	100	144
			11	160M/L	3A	100	236	50	800	540	130	490	440	524	230	225	255	860	55	1/4B	162	172	75	25	8	24	100	204
			15	160M/L	3A	100	236	50	800	540	130	490	440	524	230	225	255	860	55	1/4B	162	172	75	25	8	24	100	207
			18.5	160M/L	3A	100	236	50	800	540	130	490	440	524	230	225	255	860	55	1/4B	162	172	75	25	8	24	100	215
GSD2 40-125	65	40	1.5	90S/L	1A	80	176	50	550	370	90	360	320	279	162	140	155	535	30	1/4B	105	124	60	20	6	15	100	60
			2.2	90S/L	1A	80	176	50	550	370	90	360	320	279	162	140	155	535	30	1/4B	105	124	60	20	6	15	100	62
			3	100L	5A	80	186	50	550	370	90	360	320	316	182	140	165	582	30	1/4B	105	124	60	20	6	15	100	73
			4	112M	5A	80	186	50	550	370	90	360	320	333	182	140	185	599	30	1/4B	105	124	60	20	6	15	100	79
			5.5	132S	5A	80	206	50	600	400	100	390	350	410	207	140	205	696	40	1/4B	105	124	60	20	6	15	100	109
GSD2 40-160	65	40	4	112M	3A	80	186	50	600	400	100	390	350	333	182	160	185	599	40	1/4B	122	140	60	20	6	15	100	84
			5.5	132S	5A	80	206	50	600	400	100	390	350	410	207	160	205	696	40	1/4B	122	140	60	20	6	15	100	112
			7.5	132S	5A	80	206	50	600	400	100	390	350	410	207	160	205	696	40	1/4B	122	140	60	20	6	15	100	118
			9.2	132M	5A	80	206	50	600	400	100	390	350	410	207	160	205	696	40	1/4B	122	140	60	20	6	15	100	126
			11	160M/L	5A	80	236	50	800	540	130	490	440	524	230	160	255	840	70	1/4B	122	140	60	20	8	24	100	191

2 Pole models	SØ	DØ	Power kW	Motor Fr W21 IE3	Type	Dimensions - mm																							Weight kg
						A	B	BH	BL	BM	BN	BW	BY1	C	H	H2	HT	L	P	PG	PW1	PW2	Q	R	T	Ø	X		
GSD2 40-200	65	40	9.2	132M	3A	100	206	50	600	400	100	390	350	410	210	180	205	716	40	1/4B	143	160	60	40	6	15	100	134	
			11	160M/L	5A	100	236	50	800	540	130	490	440	524	230	180	255	860	70	1/4B	143	160	60	40	8	24	100	200	
			15	160M/L	5A	100	236	50	800	540	130	490	440	524	230	180	255	860	70	1/4B	143	160	60	40	8	24	100	203	
			18.5	160M/L	5A	100	236	50	800	540	130	490	440	524	230	180	255	860	70	1/4B	143	160	60	40	8	24	100	211	
GSD2 40-250	65	40	15	160M/L	3A	100	236	50	800	540	130	490	440	524	230	225	255	860	55	1/4B	164	176	75	25	8	24	100	209	
			18.5	160M/L	3A	100	236	50	800	540	130	490	440	524	230	225	255	860	55	1/4B	164	176	75	25	8	24	100	217	
			22	180M/L	2A	100	236	50	800	540	130	490	440	584	230	225	274	920	55	1/4B	164	176	75	25	8	24	100	251	
			30	200M/L	5B	100	236	50	950	630	160	540	490	648	275	225	300	984	85	1/4B	164	176	75	25	8	24	100	334	
GSD2 40-315	65	40	30	200M/L	3B	125	261	50	950	630	160	540	490	648	275	250	300	1034	85	1/4B	201	211	75	50	8	24	100	355	
			37	200M/L	3B	125	261	50	950	630	160	540	490	648	275	250	300	1034	85	1/4B	201	211	75	50	8	24	100	367	
			45	225S/M2P	5B	125	261	75	950	630	160	610	550	707	325	250	373	1093	85	1/4B	201	211	75	50	10	24	100	574	
			55	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	250	373	1199	115	1/4B	201	211	75	50	10	24	100	665	
GSD2 50-125	65	50	3	100L	3A	100	186	50	600	400	100	390	350	316	182	160	165	602	40	1/4B	120	145	60	40	6	15	100	80	
			4	112M	3A	100	186	50	600	400	100	390	350	333	182	160	185	619	40	1/4B	120	145	60	40	6	15	100	86	
			5.5	132S	5A	100	206	50	600	400	100	390	350	410	207	160	205	716	40	1/4B	120	145	60	40	6	15	100	114	
			7.5	132S	5A	100	206	50	600	400	100	390	350	410	207	160	205	716	40	1/4B	120	145	60	40	6	15	100	120	
GSD2 50-160	65	50	5.5	132S	3A	100	206	50	600	400	100	390	350	410	210	180	205	716	40	1/4B	133	149	60	40	6	15	100	113	
			7.5	132S	3A	100	206	50	600	400	100	390	350	410	210	180	205	716	40	1/4B	133	149	60	40	6	15	100	119	
			9.2	132M	3A	100	206	50	600	400	100	390	350	410	210	180	205	716	40	1/4B	133	149	60	40	6	15	100	127	
			11	160M/L	5A	100	236	50	800	540	130	490	440	524	230	180	255	860	70	1/4B	133	149	60	40	8	24	100	193	
			15	160M/L	5A	100	236	50	800	540	130	490	440	524	230	180	255	860	70	1/4B	133	149	60	40	8	24	100	196	
GSD2 50-200	65	50	15	160M/L	5A	100	236	50	800	540	130	490	440	524	230	200	255	860	70	1/4B	144	163	60	40	8	24	100	205	
			18.5	160M/L	5A	100	236	50	800	540	130	490	440	524	230	200	255	860	70	1/4B	144	163	60	40	8	24	100	213	
			22	180M/L	4A	100	236	50	800	540	130	490	440	584	230	200	274	920	70	1/4B	144	163	60	40	8	24	100	247	
			30	200M/L	5B	100	236	50	950	630	160	540	490	648	275	200	300	984	100	1/4B	144	163	60	40	8	24	100	328	
GSD2 50-250	65	50	22	180M/L	2A	100	236	50	800	540	130	490	440	584	230	225	274	920	55	1/4B	166	180	75	25	8	24	100	252	
			30	200M/L	5B	100	236	50	950	630	160	540	490	648	275	225	300	984	85	1/4B	166	180	75	25	8	24	100	335	
			37	200M/L	5B	100	236	50	950	630	160	540	490	648	275	225	300	984	85	1/4B	166	180	75	25	8	24	100	347	
			45	225S/M2P	5B	100	236	75	950	630	160	610	550	707	325	225	373	1043	85	1/4B	166	180	75	25	10	24	100	554	
GSD2 50-315	65	50	45	225S/M2P	5B	125	261	75	950	630	160	610	550	707	325	280	373	1093	85	1/4B	205	220	75	50	10	24	100	578	
			55	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	280	373	1199	115	1/4B	205	220	75	50	10	24	100	670	
			75	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	280	373	1199	115	1/4B	205	220	75	50	10	24	100	700	
GSD2 65-125	80	65	5.5	132S	3A	100	206	50	650	430	110	450	400	410	210	180	205	716	35	1/4B	140	160	75	25	6	19	100	119	
			7.5	132S	3A	100	206	50	650	430	110	450	400	410	210	180	205	716	35	1/4B	140	160	75	25	6	19	100	125	
			9.2	132M	3A	100	206	50	650	430	110	450	400	410	210	180	205	716	35	1/4B	140	160	75	25	6	19	100	133	
			11	160M/L	5A	100	236	50	800	540	130	490	440	524	230	180	255	860	55	1/4B	140	160	75	25	8	24	100	197	
GSD2 65-160	80	65	7.5	132S	3A	100	206	50	650	430	110	450	400	410	210	200	205	716	35	1/4B	146	174	75	25	6	19	100	128	
			9.2	132M	3A	100	206	50	650	430	110	450	400	410	210	200	205	716	35	1/4B	146	174	75	25	6	19	100	136	
			11	160M/L	5A	100	236	50	800	540	130	490	440	524	230	200	255	860	55	1/4B	146	174	75	25	8	24	100	200	
			15	160M/L	5A	100	236	50	800	540	130	490	440	524	230	200	255	860	55	1/4B	146	174	75	25	8	24	100	203	
			18.5	160M/L	5A	100	236	50	800	540	130	490	440	524	230	200	255	860	55	1/4B	146	174	75	25	8	24	100	211	
GSD2 65-200	80	65	15	160M/L	3A	100	236	50	800	540	130	490	440	524	230	225	255	860	55	1/4B	160	177	75	25	8	24	140	206	
			18.5	160M/L	3A	100	236	50	800	540	130	490	440	524	230	225	255	860	55	1/4B	160	177	75	25	8	24	140	214	
			22	180M/L	2A	100	236	50	800	540	130	490	440	584	230	225	274	920	55	1/4B	160	177	75	25	8	24	140	248	
			30	200M/L	5B	100	236	50	950	630	160	540	490	648	275	225	300	984	85	1/4B	160	177	75	25	8	24	140	331	
			37	200M/L	5B	100	236	50	950	630	160	540	490	648	275	225	300	984	85	1/4B	160	177	75	25	8	24	140	343	

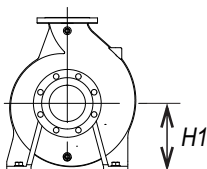
2 Pole models	SØ	DØ	Power kW	Motor Fr W21 IE3	Type	Dimensions - mm																						Weight kg
						A	B	BH	BL	BM	BN	BW	BY1	C	H	H2	HT	L	P	PG	PW1	PW2	Q	R	T	Ø	X	
GSD2 65-250	80	65	30	200M/L	5B	100	261	50	950	630	160	540	490	648	275	250	300	1009	70	1/4B	182	207	90	10	8	24	140	350
			37	200M/L	5B	100	261	50	950	630	160	540	490	648	275	250	300	1009	70	1/4B	182	207	90	10	8	24	140	362
			45	225S/M2P	5B	100	261	75	950	630	160	610	550	707	325	250	373	1068	70	1/4B	182	207	90	10	10	24	140	570
			55	250S/M2P	5B	100	291	75	1120	740	190	660	600	783	355	250	373	1174	100	1/4B	182	207	90	10	10	24	140	664
			75	250S/M2P	5B	100	291	75	1120	740	190	660	600	783	355	250	373	1174	100	1/4B	182	207	90	10	10	24	140	694
GSD2 65-315	80	65	75	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	280	373	1199	100	1/4B	205	223	90	35	10	24	140	704
			90	280S/M2P	4A	125	291	100	1120	740	190	730	670	896	380	280	468	1312	100	1/4B	205	223	90	35	10	24	140	982
			110	280S/M2P	4A	125	291	100	1120	740	190	730	670	896	380	280	468	1312	100	1/4B	205	223	90	35	10	24	140	1032
GSD2 80-160	100	80	11	160M/L	3A	125	236	50	800	540	130	490	440	524	230	225	255	885	55	1/4B	160	194	75	50	8	24	140	207
			15	160M/L	3A	125	236	50	800	540	130	490	440	524	230	225	255	885	55	1/4B	160	194	75	50	8	24	140	210
			18.5	160M/L	3A	125	236	50	800	540	130	490	440	524	230	225	255	885	55	1/4B	160	194	75	50	8	24	140	218
			22	180M/L	2A	125	236	50	800	540	130	490	440	584	230	225	274	945	55	1/4B	160	194	75	50	8	24	140	251
			30	200M/L	5B	125	236	50	950	630	160	540	490	648	275	225	300	1009	85	1/4B	160	194	75	50	8	24	140	335
GSD2 80-200	100	80	22	180M/L	2A	125	261	50	800	540	130	490	440	584	230	250	274	970	55	1/4B	173	196	75	50	8	24	140	259
			30	200M/L	5B	125	261	50	950	630	160	540	490	648	275	250	300	1034	85	1/4B	173	196	75	50	8	24	140	343
			37	200M/L	5B	125	261	50	950	630	160	540	490	648	275	250	300	1034	85	1/4B	173	196	75	50	8	24	140	355
			45	225S/M2P	5B	125	261	75	950	630	160	610	550	707	325	250	373	1093	85	1/4B	173	196	75	50	10	24	140	561
			55	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	250	373	1199	115	1/4B	173	196	75	50	10	24	140	653
			75	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	250	373	1199	115	1/4B	173	196	75	50	10	24	140	683
GSD2 80-250	100	80	55	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	280	373	1199	100	1/4B	200	216	90	35	10	24	140	670
			75	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	280	373	1199	100	1/4B	200	216	90	35	10	24	140	700
			90	280S/M2P	4A	125	291	100	1120	740	190	730	670	896	380	280	468	1312	100	1/4B	200	216	90	35	10	24	140	978
			110	280S/M2P	4A	125	291	100	1120	740	190	730	670	896	380	280	468	1312	100	1/4B	200	216	90	35	10	24	140	1028
GSD2 100-160	125	100	15	160M/L	6A	125	261	50	950	630	160	540	490	524	250	250	255	910	70	3/8B	180	190	90	35	8	24	140	234
			18.5	160M/L	6A	125	261	50	950	630	160	540	490	524	250	250	255	910	70	3/8B	180	190	90	35	8	24	140	242
			22	180M/L	3B	125	261	50	950	630	160	540	490	584	250	250	274	970	70	3/8B	180	190	90	35	8	24	140	274
			30	200M/L	5B	125	261	50	950	630	160	540	490	648	275	250	300	1034	70	3/8B	180	190	90	35	8	24	140	342
			37	200M/L	5B	125	261	50	950	630	160	540	490	648	275	250	300	1034	70	3/8B	180	190	90	35	8	24	140	354
GSD2 100-200	125	100	30	200M/L	5B	125	261	50	950	630	160	540	490	648	275	280	300	1034	70	3/8B	182	220	90	35	8	24	140	359
			37	200M/L	5B	125	261	50	950	630	160	540	490	648	275	280	300	1034	70	3/8B	182	220	90	35	8	24	140	371
			45	225S/M2P	5B	125	261	75	950	630	160	610	550	707	325	280	373	1093	70	3/8B	182	220	90	35	10	24	140	579
			55	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	280	373	1199	100	3/8B	182	220	90	35	10	24	140	673
			75	250S/M2P	5B	125	291	75	1120	740	190	660	600	783	355	280	373	1199	100	3/8B	182	220	90	35	10	24	140	703
GSD2 100-250	125	100	55	250S/M2P	5B	140	291	75	1120	740	190	660	600	783	355	280	373	1214	100	3/8B	200	215	90	50	10	24	140	671
			75	250S/M2P	5B	140	291	75	1120	740	190	660	600	783	355	280	373	1214	100	3/8B	200	215	90	50	10	24	140	701
			90	280S/M2P	4A	140	291	100	1120	740	190	730	670	896	380	280	468	1327	100	3/8B	200	215	90	50	10	24	140	978
			110	280S/M2P	4A	140	291	100	1120	740	190	730	670	896	380	280	468	1327	100	3/8B	200	215	90	50	10	24	140	1028
GSD2 125-200	150	125	55	250S/M2P	5B	140	291	75	1120	740	190	660	600	783	355	315	373	1214	100	3/8B	200	247	90	50	10	24	140	679
			75	250S/M2P	5B	140	291	75	1120	740	190	660	600	783	355	315	373	1214	100	3/8B	200	247	90	50	10	24	140	709
			90	280S/M2P	4A	140	291	100	1120	740	190	730	670	896	380	315	468	1327	100	3/8B	200	247	90	50	10	24	140	987
			110	280S/M2P	4A	140	291	100	1120	740	190	730	670	896	380	315	468	1327	100	3/8B	200	247	90	50	10	24	140	1037
GSD2 150-200	200	150	37	200M/L	6A	160	261	100	1000	660	170	730	670	648	380	355	300	1069	60	3/8B	250	273	110	50	10	24	140	474
			45	225S/M2P	6A	160	261	100	1000	660	170	730	670	707	380	355	373	1128	60	3/8B	250	273	110	50	10	24	140	655
			55	250S/M2P	3B	160	291	100	1120	740	190	730	670	783	380	355	373	1234	80	3/8B	250	273	110	50	10	24	140	720
			75	250S/M2P	3B	160	291	100	1120	740	190	730	670	783	380	355	373	1234	80	3/8B	250	273	110	50	10	24	140	750
			90	280S/M2P	2A	160	291	100	1120	740	190	730	670	896	380	355	468	1347	80	3/8B	250	273	110	50	10	24	140	1019
			110	280S/M2P	2A	160	291	100	1120	740	190	730	670	896	380	355	468	1347	80	3/8B	250	273	110	50	10	24	140	1069

4 Pole models	SØ	DØ	Power kW	Motor Fr W21 IE3	Type	Dimensions - mm																						Weight kg
						A	B	BH	BL	BM	BN	BW	BY1	C	H	H2	HT	L	P	PG	PW1	PW2	Q	R	T	Ø	X	
GSD4 32-200	50	32	1.1	90S/L	1A	80	176	50	450	300	75	390	350	279	210	180	155	535	15	1/4B	138	149	60	20	6	15	100	69
			1.5	90S/L	1A	80	176	50	450	300	75	390	350	279	210	180	155	535	15	1/4B	138	149	60	20	6	15	100	70
GSD4 32-250	50	32	1.1	90S/L	1A	100	176	50	650	430	110	490	440	279	230	225	155	555	35	1/4B	162	172	75	25	6	19	100	86
			1.5	90S/L	1A	100	176	50	650	430	110	490	440	279	230	225	155	555	35	1/4B	162	172	75	25	6	19	100	88
			2.2	100L	3C	100	186	50	650	430	110	490	440	316	230	225	165	602	35	1/4B	162	172	75	25	6	19	100	100
GSD4 40-160	65	40	1.1	90S/L	1A	80	176	50	450	300	75	390	350	279	182	160	155	535	15	1/4B	122	140	60	20	6	15	100	62
GSD4 40-200	65	40	1.1	90S/L	1A	100	176	50	450	300	75	390	350	279	210	180	155	555	15	1/4B	143	160	60	40	6	15	100	72
			1.5	90S/L	1A	100	176	50	450	300	75	390	350	279	210	180	155	555	15	1/4B	143	160	60	40	6	15	100	74
			2.2	100L	3C	100	186	50	600	400	100	390	350	316	210	180	165	602	40	1/4B	143	160	60	40	6	15	100	90
GSD4 40-250	65	40	2.2	100L	3C	100	186	50	650	430	110	490	440	316	230	225	165	602	35	1/4B	164	176	75	25	6	19	100	102
			3	100L	3C	100	186	50	650	430	110	490	440	316	230	225	165	602	35	1/4B	164	176	75	25	6	19	100	107
			4	112M	6B	100	186	50	650	430	110	490	440	333	230	225	185	619	35	1/4B	164	176	75	25	6	19	100	110
GSD4 40-315	65	40	4	112M	1A	125	211	50	650	430	110	490	440	333	275	250	185	669	35	1/4B	201	211	75	50	6	19	100	137
			5.5	132S	6B	125	231	50	650	430	110	490	440	410	275	250	205	766	35	1/4B	201	211	75	50	6	19	100	155
			7.5	132M	6B	125	231	50	650	430	110	490	440	410	275	250	205	766	35	1/4B	201	211	75	50	6	19	100	163
GSD4 50-125	65	50	1.1	90S/L	1A	100	176	50	450	300	75	390	350	279	182	160	155	555	15	1/4B	120	145	60	40	6	15	100	64
GSD4 50-160	65	50	1.1	90S/L	1A	100	176	50	450	300	75	390	350	279	210	180	155	555	15	1/4B	133	149	60	40	6	15	100	65
			1.5	90S/L	1A	100	176	50	450	300	75	390	350	279	210	180	155	555	15	1/4B	133	149	60	40	6	15	100	67
GSD4 50-200	65	50	2.2	100L	3C	100	186	50	600	400	100	390	350	316	210	200	165	602	40	1/4B	144	163	60	40	6	15	100	93
			3	100L	3C	100	186	50	600	400	100	390	350	316	210	200	165	602	40	1/4B	144	163	60	40	6	15	100	98
GSD4 50-250	65	50	3	100L	3C	100	186	50	650	430	110	490	440	316	230	225	165	602	35	1/4B	166	180	75	25	6	19	100	108
			4	112M	6B	100	186	50	650	430	110	490	440	333	230	225	185	619	35	1/4B	166	180	75	25	6	19	100	111
			5.5	132S	3C	100	206	50	650	430	110	490	440	410	230	225	205	716	35	1/4B	166	180	75	25	6	19	100	129
GSD4 50-315	65	50	5.5	132S	6B	125	231	50	650	430	110	490	440	410	275	280	205	766	35	1/4B	205	220	75	50	6	19	100	159
			7.5	132M	6B	125	231	50	650	430	110	490	440	410	275	280	205	766	35	1/4B	205	220	75	50	6	19	100	167
			11	160M/L	6A	125	261	50	800	540	130	490	440	524	275	280	255	910	55	1/4B	205	220	75	50	8	24	100	241
GSD4 65-125	80	65	1.1	90S/L	1A	100	176	50	500	330	85	450	400	279	210	180	155	555	10	1/4B	140	160	75	25	6	15	100	72
			1.5	90S/L	1A	100	176	50	500	330	85	450	400	279	210	180	155	555	10	1/4B	140	160	75	25	6	15	100	73
GSD4 65-160	80	65	1.1	90S/L	1A	100	176	50	500	330	85	450	400	279	210	200	155	555	10	1/4B	146	174	75	25	6	15	100	75
			1.5	90S/L	1A	100	176	50	500	330	85	450	400	279	210	200	155	555	10	1/4B	146	174	75	25	6	15	100	76
			2.2	100L	3C	100	186	50	650	430	110	450	400	316	210	200	165	602	35	1/4B	146	174	75	25	6	19	100	92
GSD4 65-200	80	65	2.2	100L	3C	100	186	50	650	430	110	490	440	316	230	225	165	602	35	1/4B	160	177	75	25	6	19	140	100
			3	100L	3C	100	186	50	650	430	110	490	440	316	230	225	165	602	35	1/4B	160	177	75	25	6	19	140	104
			4	112M	6B	100	186	50	650	430	110	490	440	333	230	225	185	619	35	1/4B	160	177	75	25	6	19	140	107
GSD4 65-250	80	65	4	112M	6B	100	211	50	700	470	115	540	490	333	250	250	185	644	25	1/4B	182	207	90	10	8	19	140	135
			5.5	132S	6B	100	231	50	700	470	115	540	490	410	250	250	205	741	25	1/4B	182	207	90	10	8	19	140	144
			7.5	132M	6B	100	231	50	700	470	115	540	490	410	250	250	205	741	25	1/4B	182	207	90	10	8	19	140	161
GSD4 65-315	80	65	11	160M/L	6A	125	261	75	950	630	160	610	550	524	300	280	255	910	70	1/4B	205	223	90	35	10	24	140	272
			15	160M/L	6A	125	261	75	950	630	160	610	550	524	300	280	255	910	70	1/4B	205	223	90	35	10	24	140	281
GSD4 80-160	100	80	1.5	90S/L	1A	125	176	50	650	430	110	490	440	279	230	225	155	580	35	1/4B	160	194	75	50	6	19	140	91
			2.2	100L	3C	125	186	50	650	430	110	490	440	316	230	225	165	627	35	1/4B	160	194	75	50	6	19	140	103
			3	100L	3C	125	186	50	650	430	110	490	440	316	230	225	165	627	35	1/4B	160	194	75	50	6	19	140	108
			4	112M	6B	125	186	50	650	430	110	490	440	333	230	225	185	644	35	1/4B	160	194	75	50	6	19	140	111
GSD4 80-200	100	80	3	100L	3C	125	211	50	650	430	110	490	440	316	230	250	165	652	35	1/4B	173	196	75	50	6	19	140	116
			4	112M	6B	125	211	50	650	430	110	490	440	333	230	250	185	669	35	1/4B	173	196	75	50	6	19	140	119
			5.5	132S	3C	125	231	50	650	430	110	490	440	410	230	250	205	766	35	1/4B	173	196	75	50	6	19	140	137
			7.5	132M	3C	125	231	50	650	430	110	490	440	410	230	250	205	766	35	1/4B	173	196	75	50	6	19	140	145

4 Pole models	SØ	DØ	Power kW	Motor Fr W21 IE3	Type	Dimensions - mm																							Weight kg		
						A	B	BH	BL	BM	BN	BW	BY1	C	H	H2	HT	L	P	PG	PW1	PW2	Q	R	T	Ø	X				
GSD4 80-250	100	80	7.5	132M	6B	125	231	75	750	500	125	610	550	410	250	280	205	766	35	1/4B	200	216	90	35	8	19	140	176			
			11	160M/L	6A	125	261	75	950	630	160	610	550	524	275	280	255	910	70	1/4B	200	216	90	35	10	24	140	261			
			15	160M/L	6A	125	261	75	950	630	160	610	550	524	275	280	255	910	70	1/4B	200	216	90	35	10	24	140	270			
GSD4 80-315	100	80	11	160M/L	6A	125	261	75	950	630	160	610	550	524	325	315	255	910	70	1/4B	217	247	90	35	10	24	140	294			
			15	160M/L	6A	125	261	75	950	630	160	610	550	524	325	315	255	910	70	1/4B	217	247	90	35	10	24	140	303			
			18.5	180M/L	6A	125	261	75	950	630	160	610	550	584	325	315	274	970	70	1/4B	217	247	90	35	10	24	140	354			
			22	180M/L	6A	125	261	75	950	630	160	610	550	584	325	315	274	970	70	1/4B	217	247	90	35	10	24	140	367			
			GSD4 80-400	100	80	22	180M/L	6A	125	286	75	950	630	160	610	550	584	355	355	274	995	70	1/4B	268	296	90	35	10	24	140	431
						30	200M/L	6A	125	286	75	1120	740	190	660	600	648	355	355	300	1059	100	1/4B	268	296	90	35	10	24	140	504
37	225S/M4P	6A				125	316	75	1120	740	190	660	600	707	355	355	373	1148	100	1/4B	268	296	90	35	10	24	140	655			
45	225S/M4P	6A				125	316	75	1120	740	190	660	600	707	355	355	373	1148	100	1/4B	268	296	90	35	10	24	140	675			
55	250S/M4P	3B				125	316	75	1120	740	190	660	600	783	355	355	373	1224	100	1/4B	268	296	90	35	10	24	140	745			
GSD4 100-160	125	100	2.2	100L	1A	125	211	50	700	470	115	540	490	316	250	250	165	652	25	3/8B	180	190	90	35	8	19	140	121			
			3	100L	1A	125	211	50	700	470	115	540	490	316	250	250	165	652	25	3/8B	180	190	90	35	8	19	140	125			
			4	112M	6B	125	211	50	700	470	115	540	490	333	250	250	185	669	25	3/8B	180	190	90	35	8	19	140	128			
GSD4 100-200	125	100	3	100L	1A	125	211	50	700	470	115	540	490	316	250	280	165	652	25	3/8B	182	220	90	35	8	19	140	142			
			4	112M	6B	125	211	50	700	470	115	540	490	333	250	280	185	669	25	3/8B	182	220	90	35	8	19	140	145			
			5.5	132S	6B	125	231	50	700	470	115	540	490	410	250	280	205	766	25	3/8B	182	220	90	35	8	19	140	163			
			7.5	132M	6B	125	231	50	700	470	115	540	490	410	250	280	205	766	25	3/8B	182	220	90	35	8	19	140	171			
			11	160M/L	6A	125	261	50	950	630	160	540	490	524	250	280	255	910	70	3/8B	182	220	90	35	8	24	140	243			
GSD4 100-250	125	100	7.5	132M	6B	140	231	50	750	500	125	610	550	410	275	280	205	781	35	3/8B	200	215	90	50	8	19	140	182			
			11	160M/L	6A	140	261	75	950	630	160	610	550	524	300	280	255	925	70	3/8B	200	215	90	50	10	24	140	268			
			15	160M/L	6A	140	261	75	950	630	160	610	550	524	300	280	255	925	70	3/8B	200	215	90	50	10	24	140	277			
			18.5	180M/L	6A	140	261	75	950	630	160	610	550	584	300	280	274	985	70	3/8B	200	215	90	50	10	24	140	329			
GSD4 100-315	125	100	11	160M/L	6A	140	261	75	950	630	160	610	550	524	325	315	255	925	70	3/8B	200	227	90	50	10	24	140	295			
			15	160M/L	6A	140	261	75	950	630	160	610	550	524	325	315	255	925	70	3/8B	200	227	90	50	10	24	140	304			
			18.5	180M/L	6A	140	261	75	950	630	160	610	550	584	325	315	274	985	70	3/8B	200	227	90	50	10	24	140	356			
			22	180M/L	6A	140	261	75	950	630	160	610	550	584	325	315	274	985	70	3/8B	200	227	90	50	10	24	140	369			
			30	200M/L	6A	140	261	75	950	630	160	610	550	648	325	315	300	1049	70	3/8B	200	227	90	50	10	24	140	426			
GSD4 100-400	125	100	18.5	180M/L	6A	140	286	100	1000	660	170	730	670	584	380	355	274	1010	60	3/8B	264	291	110	30	10	24	140	454			
			22	180M/L	6A	140	286	100	1000	660	170	730	670	584	380	355	274	1010	60	3/8B	264	291	110	30	10	24	140	467			
			30	200M/L	6A	140	286	100	1120	740	190	730	670	648	380	355	300	1074	80	3/8B	264	291	110	30	10	24	140	531			
			37	225S/M4P	6A	140	316	100	1120	740	190	730	670	707	380	355	373	1163	80	3/8B	264	291	110	30	10	24	140	683			
			45	225S/M4P	6A	140	316	100	1120	740	190	730	670	707	380	355	373	1163	80	3/8B	264	291	110	30	10	24	140	703			
			55	250S/M4P	3B	140	316	100	1120	740	190	730	670	783	380	355	373	1239	80	3/8B	264	291	110	30	10	24	140	772			
GSD4 125-200	150	125	5.5	132S	6B	140	231	75	750	500	125	610	550	410	300	315	205	781	35	3/8B	200	247	90	50	8	19	140	187			
			7.5	132M	6B	140	231	75	750	500	125	610	550	410	300	315	205	781	35	3/8B	200	247	90	50	8	19	140	195			
			11	160M/L	6A	140	261	75	950	630	160	610	550	524	325	315	255	925	70	3/8B	200	247	90	50	10	24	140	283			
			15	160M/L	6A	140	261	75	950	630	160	610	550	524	325	315	255	925	70	3/8B	200	247	90	50	10	24	140	292			
GSD4 125-250	150	125	11	160M/L	6A	140	261	75	950	630	160	610	550	524	325	355	255	925	70	3/8B	215	268	90	50	10	24	140	301			
			15	160M/L	6A	140	261	75	950	630	160	610	550	524	325	355	255	925	70	3/8B	215	268	90	50	10	24	140	310			
			18.5	180M/L	6A	140	261	75	950	630	160	610	550	584	325	355	274	985	70	3/8B	215	268	90	50	10	24	140	361			
			22	180M/L	6A	140	261	75	950	630	160	610	550	584	325	355	274	985	70	3/8B	215	268	90	50	10	24	140	374			
			30	200M/L	6A	140	261	75	950	630	160	610	550	648	325	355	300	1049	70	3/8B	215	268	90	50	10	24	140	432			
GSD4 125-315	150	125	18.5	180M/L	6A	140	286	100	1000	660	170	730	670	584	380	355	274	1010	60	3/8B	250	282	110	30	10	24	140	417			
			22	180M/L	6A	140	286	100	1000	660	170	730	670	584	380	355	274	1010	60	3/8B	250	282	110	30	10	24	140	430			
			30	200M/L	6A	140	286	100	1120	740	190	730	670	648	380	355	300	1074	80	3/8B	250	282	110	30	10	24	140	495			
			37	225S/M4P	6A	140	316	100	1120	740	190	730	670	709	380	355	373	1163	80	3/8B	250	282	110	30	10	24	140	646			

4 Pole models	SØ	DØ	Power kW	Motor Fr W21 IE3	Type	Dimensions - mm																						Weight kg
						A	B	BH	BL	BM	BN	BW	BY1	C	H	H2	HT	L	P	PG	PW1	PW2	Q	R	T	Ø	X	
GSD4 125-400	150	125	30	200M/L	6A	140	286	100	1120	740	190	730	670	648	415	400	300	1074	80	3/8B	274	312	110	30	10	24	140	542
			37	225S/M4P	6A	140	316	100	1120	740	190	730	670	707	415	400	373	1163	80	3/8B	274	312	110	30	10	24	140	696
			45	225S/M4P	6A	140	316	100	1120	740	190	730	670	707	415	400	373	1163	80	3/8B	274	312	110	30	10	24	140	716
			55	250S/M4P	6A	140	316	100	1120	740	190	730	670	783	415	400	373	1239	80	3/8B	274	312	110	30	10	24	140	796
			75	L250S/M	6A	140	316	100	1120	740	190	730	670	833	415	400	378	1289	80	3/8B	274	312	110	30	10	24	140	857
GSD4 150-200	200	150	5.5	132S	6B	160	231	100	1000	660	170	730	670	410	380	355	205	801	60	3/8B	250	273	110	50	10	24	140	268
			7.5	132M	6B	160	231	100	1000	660	170	730	670	410	380	355	205	801	60	3/8B	250	273	110	50	10	24	140	276
			11	160M/L	6A	160	261	100	1000	660	170	730	670	524	380	355	255	945	60	3/8B	250	273	110	50	10	24	140	343
GSD4 150-250	200	150	18.5	180M/L	6A	160	286	100	1000	660	170	730	670	584	380	375	274	1030	60	3/8B	250	300	110	50	10	24	140	439
			22	180M/L	6A	160	286	100	1000	660	170	730	670	584	380	375	274	1030	60	3/8B	250	300	110	50	10	24	140	452
			30	200M/L	6A	160	286	100	1120	740	190	730	670	648	380	375	300	1094	80	3/8B	250	300	110	50	10	24	140	516
			37	225S/M4P	6A	160	316	100	1120	740	190	730	670	709	380	375	373	1183	80	3/8B	250	300	110	50	10	24	140	668
			45	225S/M4P	6A	160	316	100	1120	740	190	730	670	709	380	375	373	1183	80	3/8B	250	300	110	50	10	24	140	688
** GSD4 150-315	200	150	22	180M/L	6A	160	286	100	1000	660	170	730	670	584	415	400	274	1030	60	3/8B	275	319	110	50	10	24	140	468
			30	200M/L	6A	160	286	100	1120	740	190	730	670	648	415	400	300	1094	80	3/8B	275	319	110	50	10	24	140	533
			37	225S/M4P	6A	160	316	100	1120	740	190	730	670	707	415	400	373	1183	80	3/8B	275	319	110	50	10	24	140	686
			45	225S/M4P	6A	160	316	100	1120	740	190	730	670	707	415	400	373	1183	80	3/8B	275	319	110	50	10	24	140	706
			55	250S/M4P	6A	160	316	100	1120	740	190	730	670	783	415	400	373	1259	80	3/8B	275	319	110	50	10	24	140	786
			75	L250S/M	6A	160	316	100	1120	740	190	730	670	833	415	400	378	1309	80	3/8B	275	319	110	50	10	24	140	847
GSD4 150-400	200	150	37	225S/M4P	6A	160	316	100	1120	740	190	730	670	707	415	450	373	1183	80	1/2B	277	393	110	50	10	24	140	745
			45	225S/M4P	6A	160	316	100	1120	740	190	730	670	707	415	450	373	1183	80	1/2B	277	393	110	50	10	24	140	765
			55	250S/M4P	6A	160	316	100	1120	740	190	730	670	783	415	450	373	1259	80	1/2B	277	393	110	50	10	24	140	845
			75	L250S/M	6A	160	316	100	1120	740	190	730	670	833	415	450	378	1309	80	1/2B	277	393	110	50	10	24	140	948

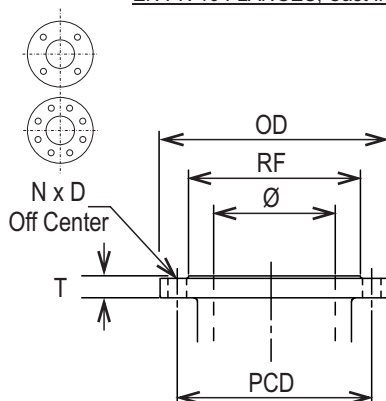
** For 150-315 dimension H1 is 35mm higher than EN standard



PN 16 Flange dimensions

Model GSD

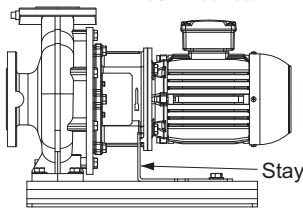
EN PN 16 FLANGES, Cast Iron



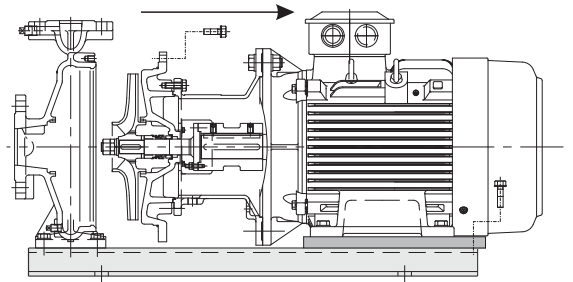
Model	Suction Flange						Discharge Flange					
	SØ	OD	PCD	RF	T	N x D	DØ	OD	PCD	RF	T	N x D
GSD 32	50	165	125	99	20	4x19Ø	32	140	100	76	18	4x19Ø
GSD 40	65	185	145	118	20	4x19Ø	40	150	110	84	18	4x19Ø
GSD 50	65	185	145	118	20	4x19Ø	50	165	125	99	20	4x19Ø
GSD 65	80	200	160	132	22	8x19Ø	65	185	145	118	20	4x19Ø
GSD 80	100	220	180	156	24	8x19Ø	80	200	160	132	22	8x19Ø
GSD 100	125	250	210	184	26	8x19Ø	100	220	180	156	24	8x19Ø
GSD 125	150	285	240	211	26	8x23Ø	125	250	210	184	26	8x19Ø
GSD 150	200	340	295	266	30	12x23Ø	150	285	240	211	26	8x23Ø

Pumpsets with motors over 90 frame* are fitted with spacers for ease of installation and maintenance. There are various types and combinations of spacers depending on the model. The motors are bolted to the motor spacers, so that the complete rotating element with motor and spacers is a single rigid assembly that can be "slid" back for ease of maintenance and reassembly.

* following models use a stay instead of motor spacers
 GSD4 40-315/4.0 kW GSD4 100-160/3.0 kW
 GSD4 100-160/2.2 kW GSD4 100-200/3.0 kW



All models with 90 frame motors (and the 4 models above) have a single stay as shown on the drawing.



Stay

*Applies to 90 frame motors**

* plus
GSD4 40-315/4.0 kW GSD4 100-160/3.0 kW
GSD4 100-160/2.2 kW GSD4 100-200/3.0 kW

1A

(095)

No spacers

2A

Motor spacers

3A

(Folded Channel/Zn)

3B

(Solid bar/paint)

3C

(Folded Channel/Zn)

Pump spacers

4A

Front view
(Cast iron/paint)

(162)

**Pump spacers
&
Motor spacers**

5A

(Folded Channel/Zn)

Front view

5B

(Solid bar/paint)

Front view

**Motor spacer
(Folded base)**

6A

(Folded base/paint)

6B

(Folded base/Zn)

Specifications: Stays, Motor spacers, Pump spacers						
Item	Description	Material	Finish	Style	Qty.	Applies to
095	Stay	Folded steel	Paint	-	1	1A
161	Motor spacer	Folded steel	Steel bar	Paint	2	3B,5B
			Zn plated	Channel (down)	2	3A,5A
			Zn plated	Channel (side)	2	3C
			Paint	Baseplate	1	6A
			Zn plated	Baseplate	1	6B
162	Pump spacer	Cast iron	Paint	-	2,4,6	4A,5A,5B

Specifications subject to change without notice