



Combining over 100 years of experience with the latest computer aided design, EBARA has developed the new **GS** series of pumps that offer world leading performance and efficiencies.

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

Applications include:-

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

Features:-

- Pump dimensions to EN733[#]
- 16 Bar rated. PN 16 Flanges (24 Bar hydrostatic test pressure)
- High efficiency hydraulic design ($MEI \geq 0.6$ all models)
- Mechanical seals to EN12756
- Cast Iron/Bronze/Stainless steel construction
- O' Ring seal for casing
- Cast iron components ED painted. (Electro deposition painting)

Specifications

- End suction centrifugal pump to EN733[#]
- Maximum working pressure: 16 bar
- Liquid temperature: -10 °C to +120 °C*
(conditions apply)*

Materials

- Pump casing: Cast Iron
- Impeller: Bronze
- Casing cover: Cast Iron
- Casing wear rings: Bronze
- Shaft: 431 Stainless Steel
- Bearing housing: Cast Iron
- Bearings: Sealed ball bearings

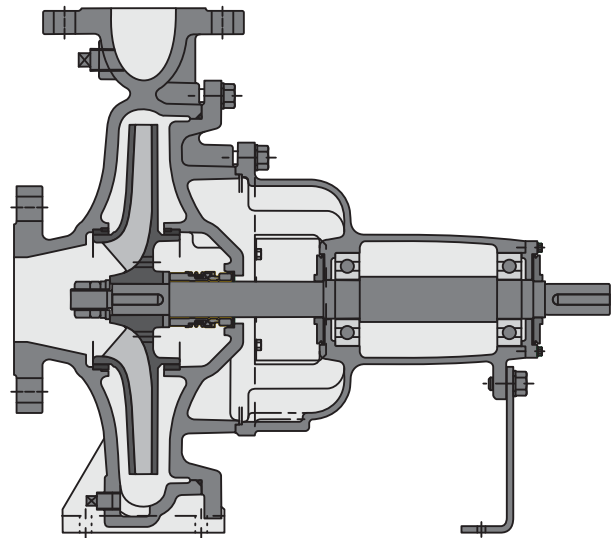
Range

2 Pole

- 32 to 150 mm Ø discharge
- Capacity: 8 - 1100 m³/hr
- Head: 10 - 150 m.hd
- Up to 220 kW motor power required

4 Pole

- 32 to 200 mm Ø discharge
- Capacity: 4 - 1300 m³/hr
- Head: 3 - 95 m.hd
- Up to 355 kW motor power required



Model Code

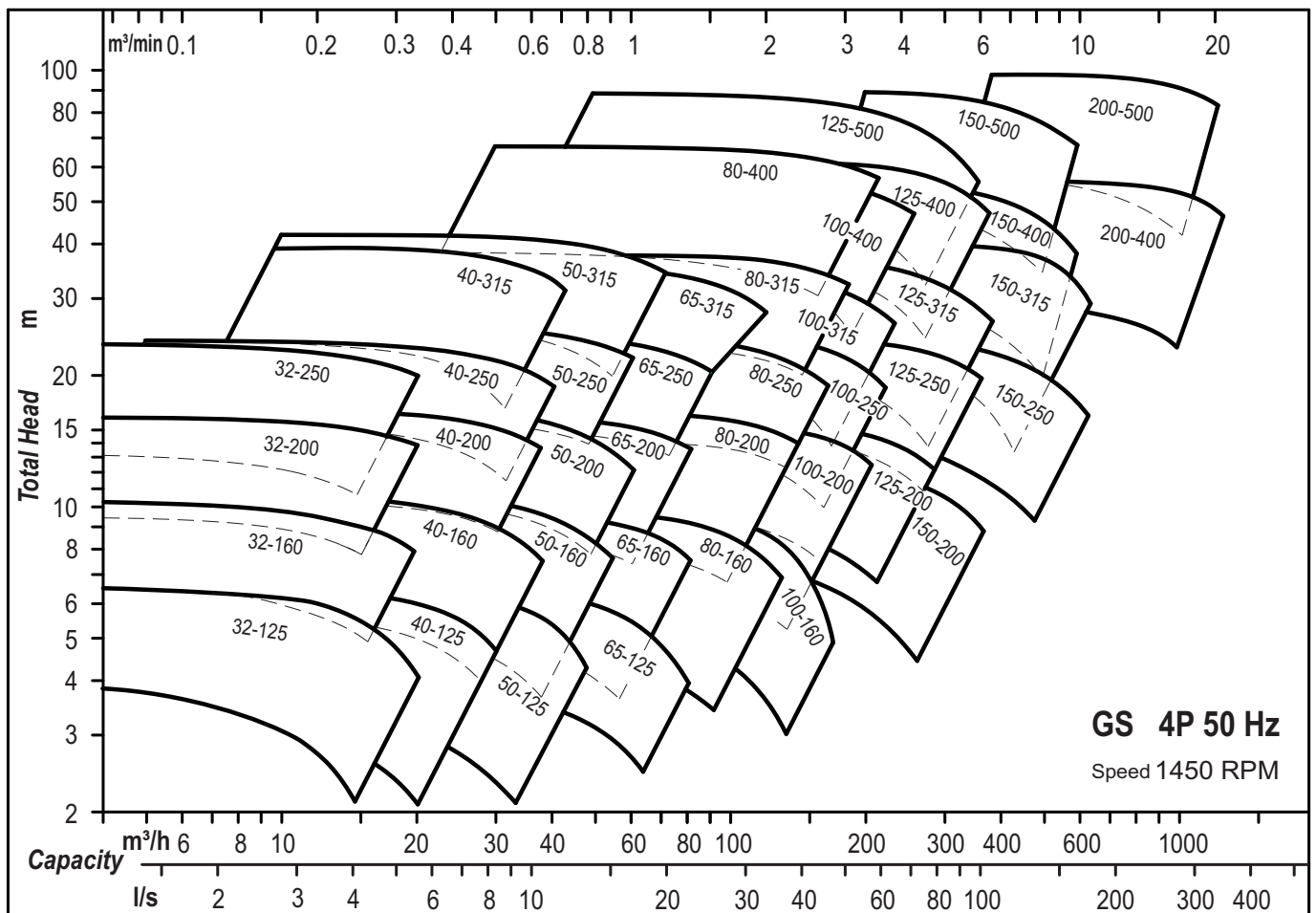
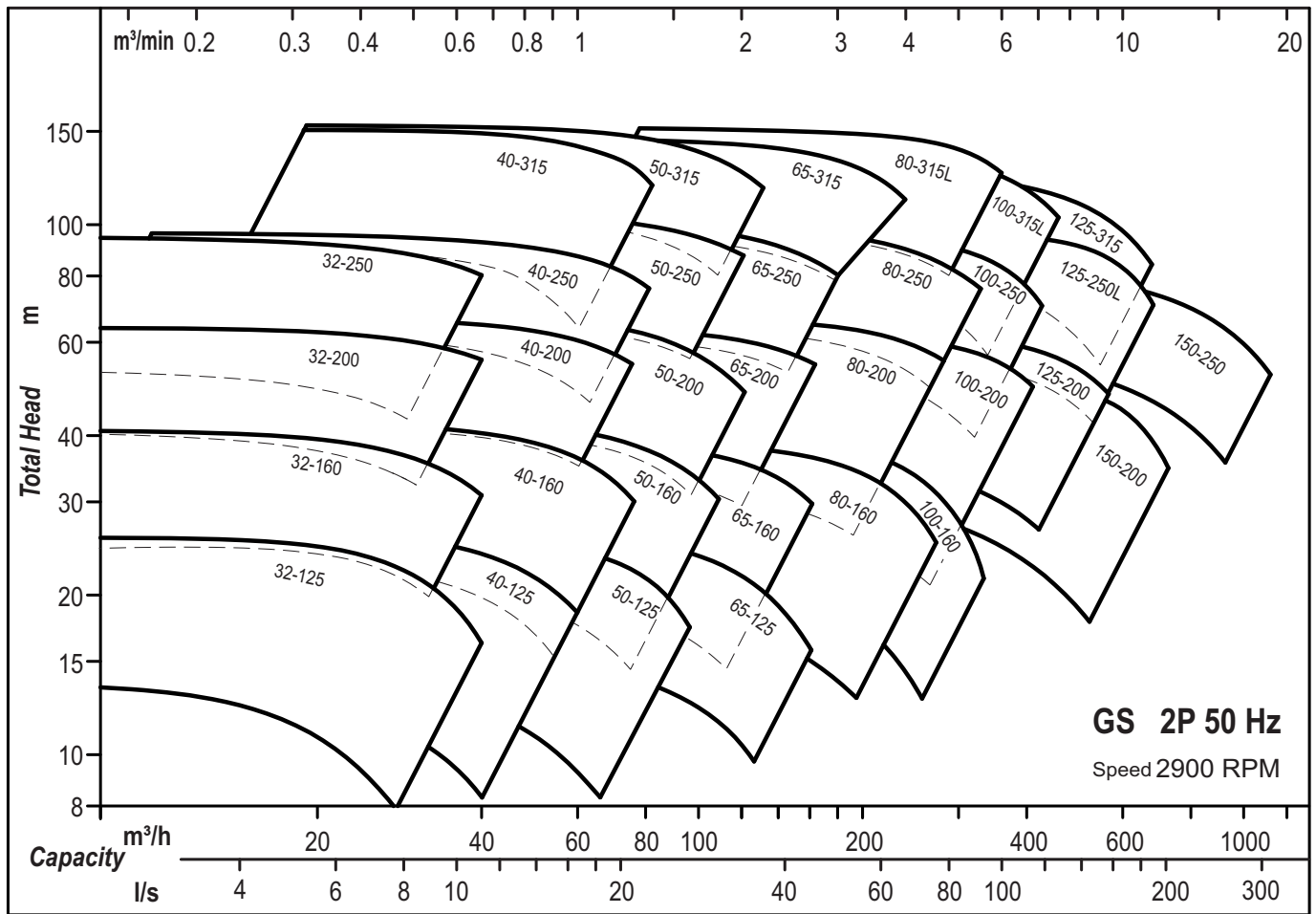
GS 80-250

- Nominal Impeller Diameter: mm
- Discharge Size; mm
- Pump Range

"L" models - 80-315L, 100-315L, 125-250L
The letter "L" following the impeller classification code indicates a larger shaft unit is fitted.

Selection Charts

Model **GS**



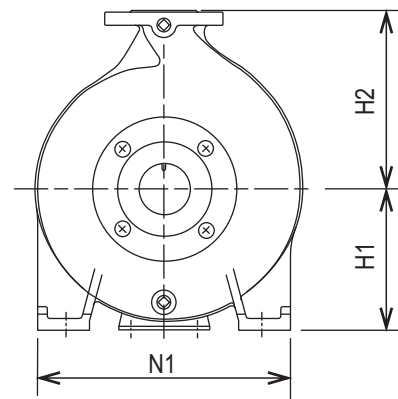
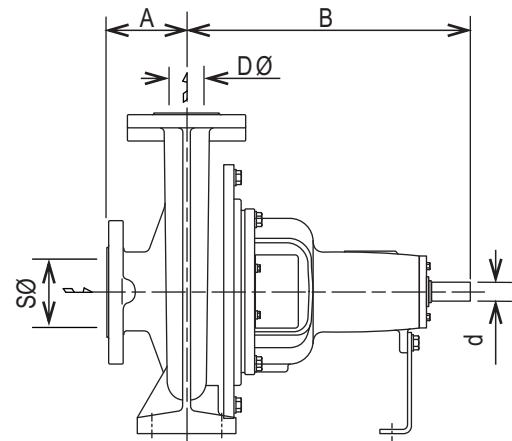
Dimensions

Model GS

Units: mm unless otherwise specified

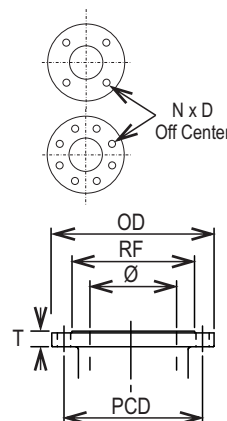
Model	Dimensions in mm							Wgt kg	Shaft unit
	SØ	DØ	A	B	H1	H2	N1		
32-125	50	32	80	360	112	140	190	28	230#
32-160			80	360	132	160	240	29	230#
32-200			80	360	160	180	240	39	230#
32-250			100	360	180	225	320	46	230#
40-125	65	40	80	360	112	140	210	30	230#
40-160			80	360	132	160	240	31	230#
40-200			100	360	160	180	265	41	230#
40-250			100	360	180	225	320	48	230#
40-315	65	40	125	470	225	250	345	82	240#
50-125			100	360	132	160	240	33	230#
50-160			100	360	160	180	265	33	230#
50-200			100	360	160	200	265	44	230#
50-250	65	50	100	360	180	225	320	50	230#
50-315			125	470	225	280	345	86	240#
65-125			100	360	160	180	280	37	230#
65-160			100	360	160	200	280	41	230#
65-200	80	65	100	360	180	225	320	47	230#
65-250			100	470	200	250	360	73	240#
65-315			125	470	225	280	400	90	240#
80-160			125	360	180	225	320	46	230#
80-200	100	80	125	470	180	250	345	67	240#
80-250			125	470	200	280	400	77	240#
80-315			125	470	250	315	400	101	240#
80-315L			125	530	250 [#]	315	400	112	250 [#]
80-400	100	80	125	530	280	355	435	162	250#
100-160			125	470	200	250	360	91	240#
100-200			125	470	200	280	360	103	240#
100-250			140	470	225	280	400	108	240#
100-315	125	100	140	470	250	315	400	109	240#
100-315L			140	530	250 [#]	315	400	134	250 [#]
100-400			140	530	280	355	500	189	250#
125-200			140	470	250	315	400	120	240#
125-250	150	125	140	470	250	355	400	131	240#
125-250L			140	530	250 [#]	355	400	148	250 [#]
125-315			140	530	280	355	500	176	250#
125-400			140	530	315	400	500	218	250#
125-500	200	150	180	670	375	450	550	365	260#
150-200			160	470	280	355	500	154	240#
150-250			160	530	280	375	500	171	250#
150-315			160	530	315 [#]	400	550	225	250#
150-400	250	200	160	530	315	450	550	339	250#
150-500			180	670	375	560	550	491	270#
200-400			180	670	385	560	660	508	270#
200-500			200	820	435	630	660	645	280#

Dimension not compliant with EN733



Shaft unit	Shaft d	Mech. seal Ø (mm)	Ball bearings
230#	24	28	6306ZZ
240#	32	38	6308ZZ
250#	42	48	6310ZZ
260#	48	55	6312ZZ
270#	60	65	6314ZZ
280#	75	75	6316ZZ

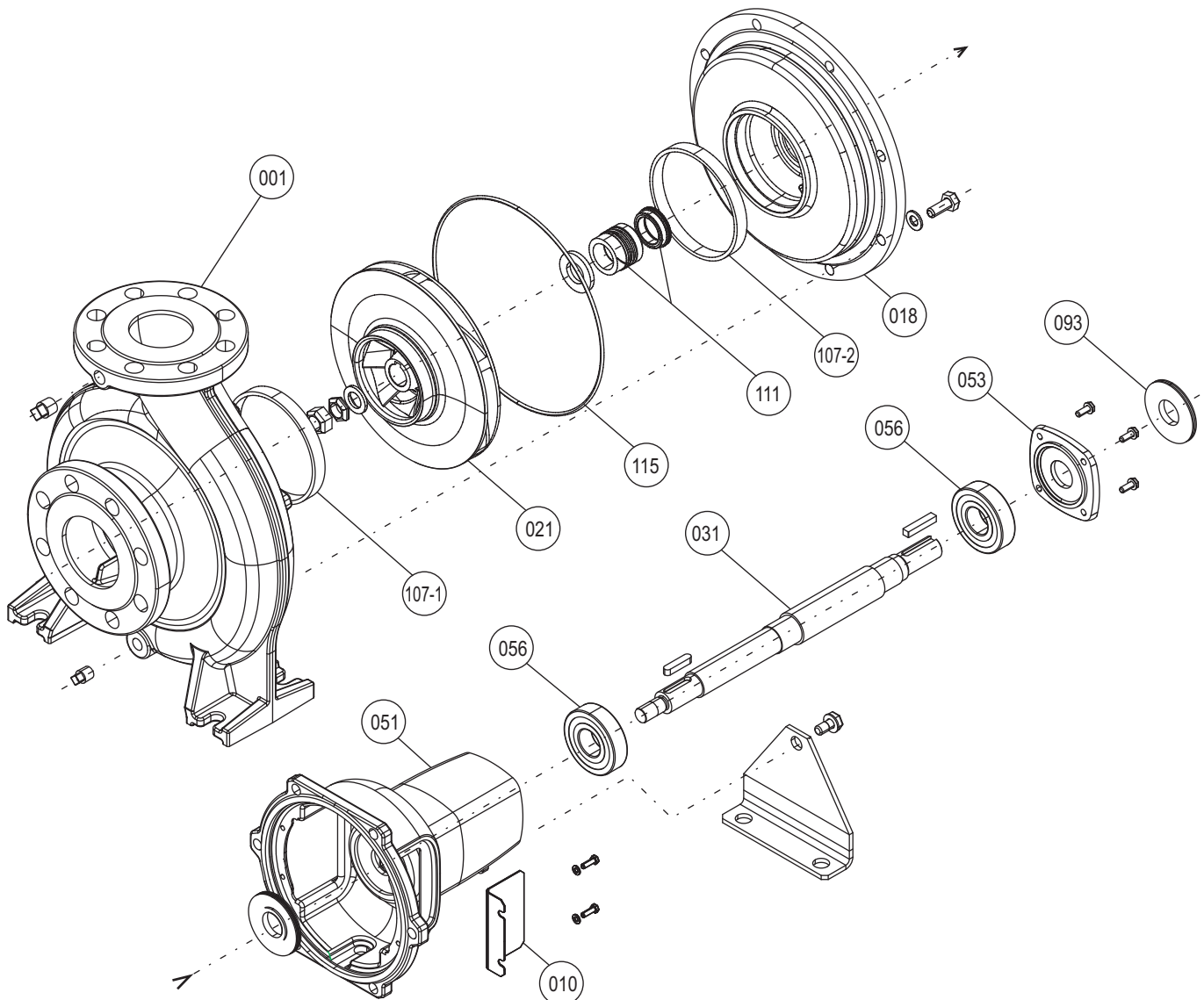
EN PN 16 FLANGES, Cast Iron



Ø	OD	PCD	RF	T	N x D
32	140	100	76	18	4x19Ø
40	150	110	84	18	4x19Ø
50	165	125	99	20	4x19Ø
65	185	145	118	20	4x19Ø
80	200	160	132	22	8x19Ø
100	220	180	156	24	8x19Ø
125	250	210	184	26	8x19Ø
150	285	240	211	26	8x23Ø
200	340	295	266	30	12x23Ø
250 [#]	405 [#]	355 [#]	319 [#]	32 [#]	12x28Ø [#]

PN16 varies to PN10

Typical construction



Item No.	Part name	Qty.	Materials	
001	Casing	1	Cast Iron (ED painted)	FC250
010	Protector	2	304 Stainless steel (or steel)#	SUS304 (SS400)#
018	Casing cover	1	Cast Iron (ED painted)	FC250
021	Impeller	1	Bronze	CAC406
031	Shaft	1	431 Stainless steel	SUS431
051	Bearing housing	1	Cast Iron (ED painted)	FC250
053	Bearing cover	1	Cast Iron (ED painted)	FC250
056	Ball bearing	2	-	
093	Deflector	2	Rubber	EPDM
107-1	Casing ring	1	Bronze	CAC406
107-2	Casing ring	1	Bronze	CAC406
111	Mechanical seal	1	Elastomer bellows seal	C/SiC/EPDM/316
115	O' Ring	1	Rubber	EPDM

Painted steel for 260,270 & 280 shaft units

Specifications subject to change without notice