

Volute casing pumps



ZLND 32 - 125 ... 300 - 500

TECHNICAL DATA

Flow:	max. 1800 m ³ /h
Head:	max. 140 m
Speed:	max. 3600 rpm
Material:	cast iron (0B,0C,0E) and stainless steel (4B)
Temperature:	max. 170 °C depending on the shaft sealing and material execution.
Casing Pressure:	material design 4B PN 16 0B, 0C, 0E PN 16 / 10 ¹⁾ / 14 ²⁾
Shaft sealing:	mechanical seal or stuffing box
Flange connections:	material design 4B DIN 2501 PN 16 0B, 0C, 0E DIN 2501 PN 16 / 10 ³⁾
Direction of rotation:	clockwise when looking at the pump from the drive end.



APPLICATION

Volute casing pumps of the ZLN range (meeting DIN 24255 / EN 733 and ISO 9908) are used when clear or turbid liquids free from solid particles are to be pumped. Application areas for pumps in this range include:

Automobile, mechanical and general engineering industries
Food and beverage industry
Pharmaceutical industry
Paint industry
Plastic and rubber industry
Iron and non-ferrous metal industry
Paper and pulp industry
Textile industry
Building and construction industry
Heating and air conditioning
Drainage
Water supply
Irrigation

A range of materials is available to meet the specific needs of customers. For applications not covered by this pump range we offer the ISOchem range.

DESIGN

Horizontal, single-stage volute casing pumps with connections and main dimensions to DIN 24255 / EN 733, plus 19 additional sizes. The design of the pump allows the complete drive unit to be withdrawn from the casing without disturbing the attached pipe work. If a spacer type coupling is used, it is also unnecessary to disconnect the motor.

The range covers 50 sizes with only 5 different bearing brackets.

CONSTRUCTION

Casing pressure:

Material 4B:	max 16 bar from - 40 °C to +120 °C max 14 bar from 120°C up to +170 °C
Material 0B, 0C, 0E:	max 16/10 ¹⁾ /14 ²⁾ bar from - 20 °C to +120 °C max 14/9 ¹⁾ /8 ²⁾ bar from 120 °C up to +170 °C

Max. casing pressure= inlet pressure + delivery head at zero flow

Please note: The relevant technical regulations and safety rules must be observed.

Flanges location:

Axial suction flange, discharge flange radially upwards.

Flanges:

Material design 4B: Complies with DIN 2543 PN 16
Material design 0B, 0C, 0E: DIN 2533 PN 16 / 2532 PN 10³⁾
Flanges drilled according to ANSI 150 can be supplied.

Bearings:

Bearing brackets 25, 35 and 45: Two ball bearings, lifetime greased (2Z), design code B, or oil lubrication, design code C.
Bearing brackets 55 and 65: One double row angular contact bearing on pump side, plus one ball bearing on drive side, grease lubricated S or oil lubricated T.
Oil lubrication configurations with CLO (Constant Level Oiler) can be supplied.

Shaft sealing:

Shaft sealing either by stuffing box or mechanical seal.
Code 041: Self-sealed, uncooled packing rings
Code 052: Uncooled packing rings, external sealing liquid
Code AF3: Balanced mechanical seal, seal face materials SiC/Carbon, elastomer EPDM
Code BJ3: Unbalanced bellows mechanical seal, seal face materials SiC/Carbon, elastomer EPDM
Code C23: Unbalanced bellows mechanical seal, seal face materials SiC/Carbon, elastomer EPDM
Code AFS: Balanced mechanical seal, seal face materials SiC/ SiC, elastomer FPM (Viton)
Code BJS: Unbalanced bellows mechanical seal, seal face materials SiC/ SiC, elastomer FPM (Viton)
Code C2S: Unbalanced bellows mechanical seal, seal face materials SiC/ SiC, elastomer FPM (Viton)
Code AFK: Balanced mechanical seal, seal face materials SiC/carbon, elastomer FPM (Viton) double PTFE (Teflon) wrapped
Code BJJ: Unbalanced bellows mechanical seal, seal face materials SiC/Carbon, elastomer FPM (Viton)
Code C2J: Unbalanced bellows mechanical seal, seal face materials SiC/Carbon, elastomer FPM (Viton)
Codes AX3, AXS, AXK: are equivalent to AF3, AFS, AFK plus quench
Codes AY3, AYS, AYK: are equivalent to AF3, AFS, AFK plus heating
Code A93, A9S, A9K: are equivalent to AF3, AFS, AFK plus external flushing

As an option, Code 051 (as 052, but with inlet and outlet) and other sealing execution can be supplied on request.

¹⁾ From 80-400 to 300-500 except 150-500

²⁾ 150-500

³⁾ 150-200, 150-250 and 200-250

Material design:

Item	Component	Material				Construction					
		Mat. N°	DIN denomination	ISO EN denomination	US Material		0B	0C	0E	4B	
					ASTM Standard	AISI					
10.20	Volute casing	EN-JL 1040 1.4408	GG-25 GX6CrNiMo18 10	EN-GJL 250 GX5CrNiMo19-11-2	A 278 Cl. 30 A 351 CF8M	316	x	x	x	x	
16.10	Casing cover	EN-JL 1040 1.4408	GG-25 GX6CrNiMo18 10	EN-GJL 250 GX5CrNiMo19-11-2	A 278 Cl. 30 A 351 CF8M	316	x	x	x	x	
21.00	Shaft	1.0503 1.4021 1.4401	C 45 X 20 Cr13 X5CrNiMo17 12 2	C 45 X 20 Cr13 X5CrNiMo17 12 2	A 576 Gr1045 A 276 Type 420 A 167 Gr316	1045 420 316	x(*) x	x(*) x	x(*) x	x	
23.00	Impeller	EN-JL 1040 2.1050 1.4408	GG-25 G-CuSn10 GX6CrNiMo18 10	EN-GJL 250 GX5CrNiMo19-11-2	A 278 Cl. 30 B 427 C91600 A 351 CF8M	316	x	x	x	x	
33.00	Bearing bracket	EN-JL 1040	GG-25	EN-GJL 250	A 278 Cl. 30		x	x	x	x	
52.30	Shaft sleeve / Mechanical seal	1.4021	X 20 Cr13	X 20 Cr13	A 276 Type 420	420	x	x	x		
52.40	Shaft sleeve / Stuffing box	1.4021 1.4401	X 20 Cr13 X5CrNiMo17 12 2	X 20 Cr13 X5CrNiMo17 12 2	A 276 Type 420 A 167 Gr316	420 316	x	x	x	x	
46.10	Shaft seal / Stuffing box	Soft packing						x	x	x	x
43.30	Mechanical seal	Silicon Carbide / Carbon EPDM or Viton (See other options)						x	x	x	x

(*) Only in bearing brackets 55 and 65.

Casing gasket:

The casing is sealed by means of a confined flat gasket of EWP 210 material. Code of this design: 2

The casing is sealed by means of a confined flat gasket of PTFE. Code of this design: 4

Motor Power:

Using commercial electric motors, type of construction IM B3.

To determine the drive power we recommend the following safety margin:

Up to 4 kW: 25%

4 to 7,5 kW: 20%

above 7,5 kW: 15%

The following speeds must not be exceeded:

Size	max. speed rpm	Size	max. speed rpm	Size	max. speed rpm	Size	max. speed rpm
32125 32160	3600	32250	3000	40315 ³⁾ 50315 ³⁾	1800	150500 200315	1500
32200 40125		40250		65315 80315		200400 200500	
40160 40200		50250		80400 100315		250300 250315	
50125 50160		65250		100400 125250		250400 250500	
50200 65125		80250		125315 125400		300400 300500	
65160 65200 ¹⁾		100250 ²⁾		150200 150250 ⁴⁾			
80160 ¹⁾ 80200		125200 ²⁾		150315 150400			
100160 100200				200250			

¹⁾ In material design 4B max. speed 3000 rpm

²⁾ In material design 4B max. speed 1800 rpm

³⁾ In material design 0E, and 4B max. speed 3000 rpm

⁴⁾ In material design 4B max. speed 1500 rpm

The max. speeds are derived from the permissible shaft loads and the permissible peripheral speeds of the impellers

Bearing bracket / pump size:

Bracket 25	32125 32160 32200 32250 40125 40160 40200 40250 50125 50160 50200 50250 65125 65160 65200 80160
Bracket 35	40315 50315 65250 65315 80200 80250 80315 100160 100200 100250 100315 125200 125250 150200 150250
Bracket 45	80400 100400 125315 125400 150315 150400 200250
Bracket 55	150500 200315 200400 200500 250300 250315
Bracket 65	250400 250500 300400 300500

General comments:

For horizontal volute pumps in CLOSE COUPLED construction with STANDARD motor for nominal performances and flange connections as per EN 733 refer to our series **ZLK**.

For INLINE pumps with the same drive unit, consisting of bearing bracket with bearing, stub shaft and mechanical seal, casing cover, impeller and impeller nut, refer to our series **ZLI** (supplied also with magnetic drive).

For equipping hot media systems a complete programme is available for a flow range between 1-1000 m³/h consisting of the range:

ZTN volute pumps to EN 733 design with base plate t_{max} 350 °C PN 16. Heat transfer oil.

ZTK volute pumps to EN 733 close coupled design t_{max} 350 °C PN 16. Heat transfer oil.

ZTI volute pumps to EN 733 as INLINE construction (up to t_{max} 400⁰ °C with magnetic drive) PN 16. Heat transfer oil.

ZEN volute pumps to EN 22858, t_{max} 230 °C PN 40. Hot water design.

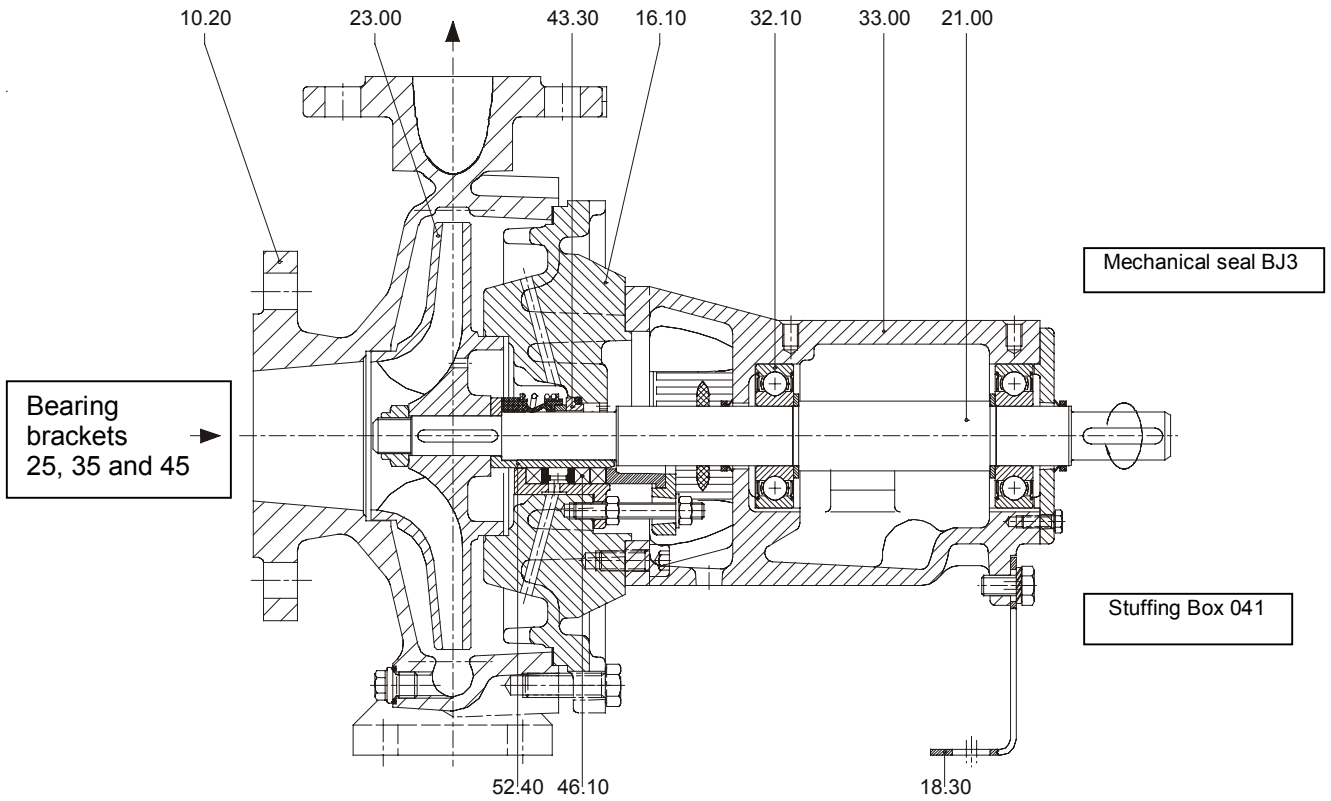
ZDN volute pumps to EN 22858, t_{max} 185 °C PN 25. Hot water design.

ZHN volute pumps to EN 733, t_{max} 180 °C PN 16. Hot water design.

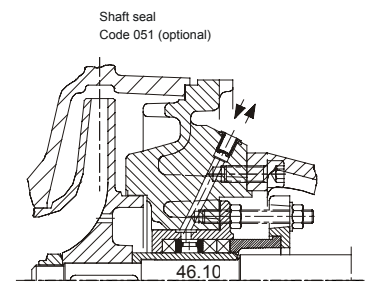
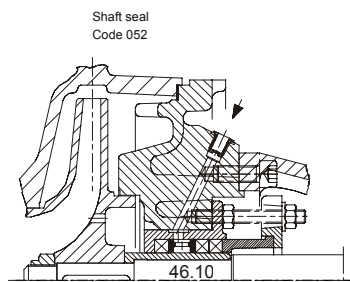
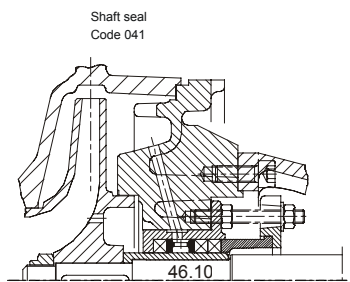
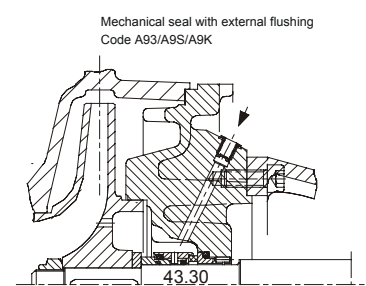
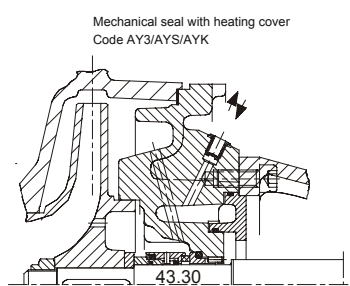
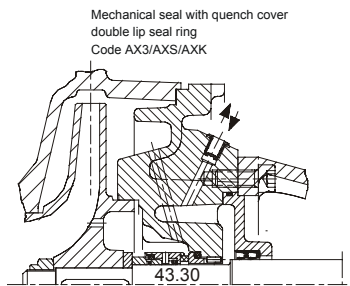
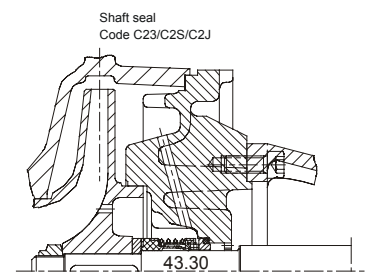
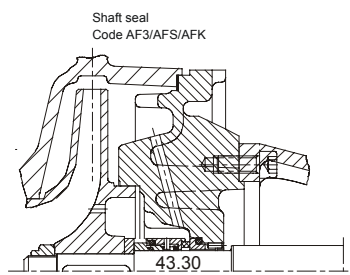
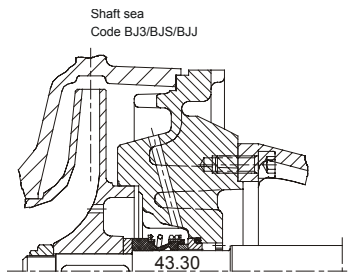
ZLI volute pumps to EN 733 as INLINE construction, t_{max} 150 °C PN 25. Hot water design.

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SECTIONAL DRAWING AND NOMENCLATURE

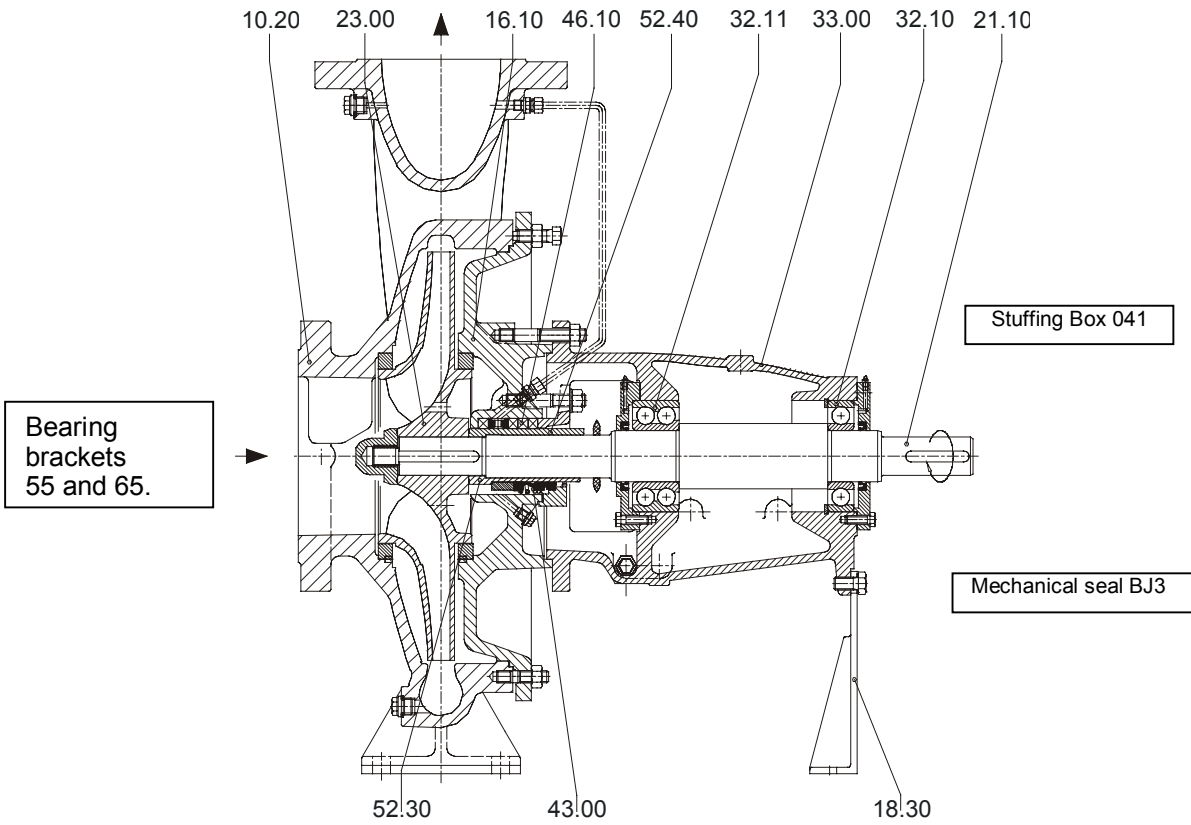


10.20	volute casing	23.00	impeller	43.30	mechanical seal
16.10	casing cover	32.10	ball bearing	46.10	stuffing box
18.30	support foot	33.00	bearing bracket	52.40	shaft sleeve (stuffing box)
21.00	shaft				

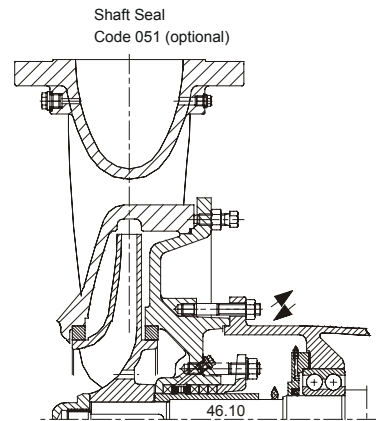
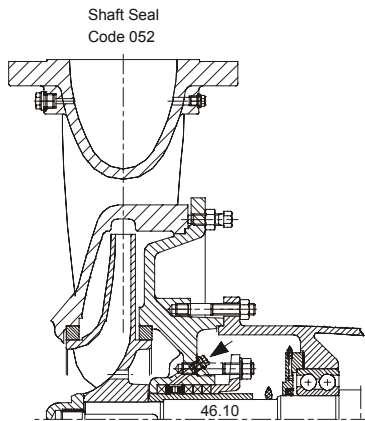
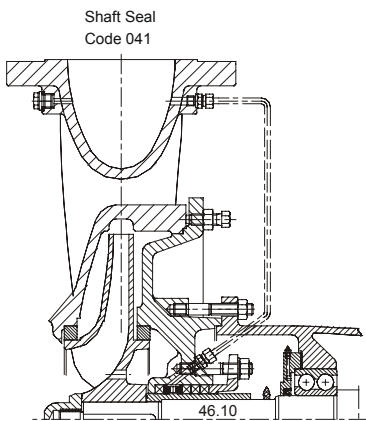
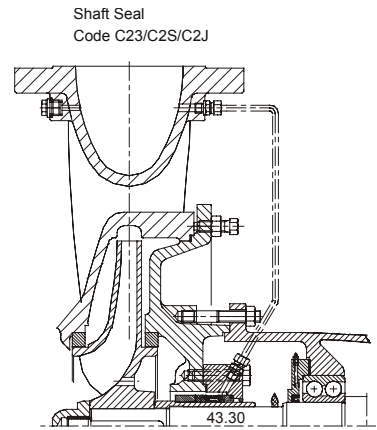
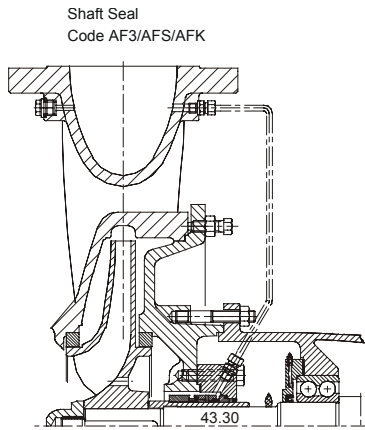
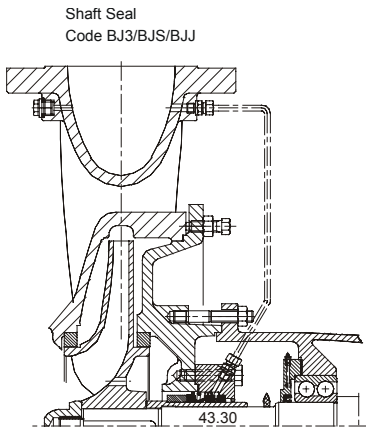


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SECTIONAL DRAWING AND NOMENCLATURE



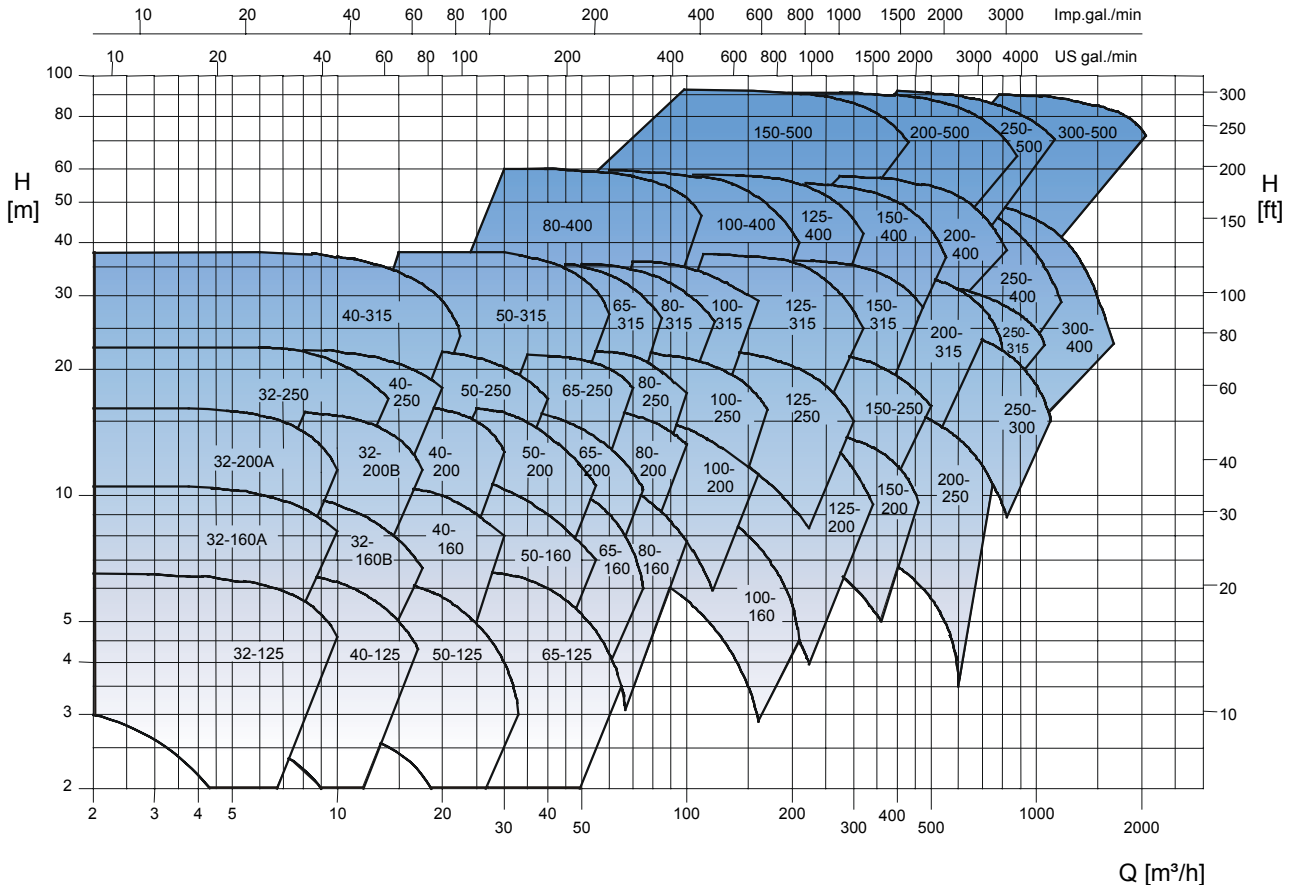
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16.10	casing cover	32.10	ball bearing	46.10	stuffing box
18.30	support foot	32.11	ball bearing	52.30	shaft sleeve (mechanical seal)
21.00	shaft	33.00	bearing bracket	52.40	shaft sleeve (stuffing box)



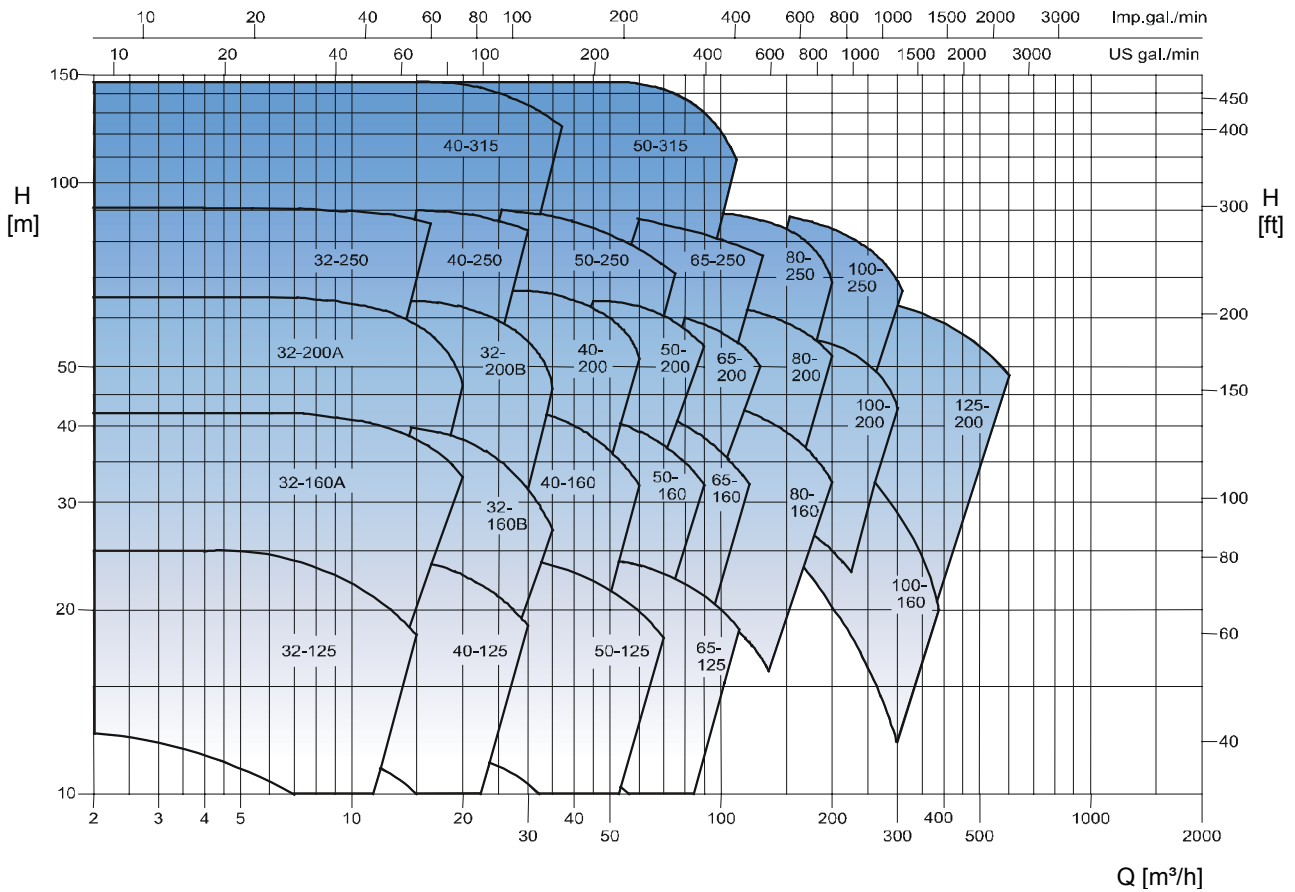
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Performance Graph

n = 1450 rpm



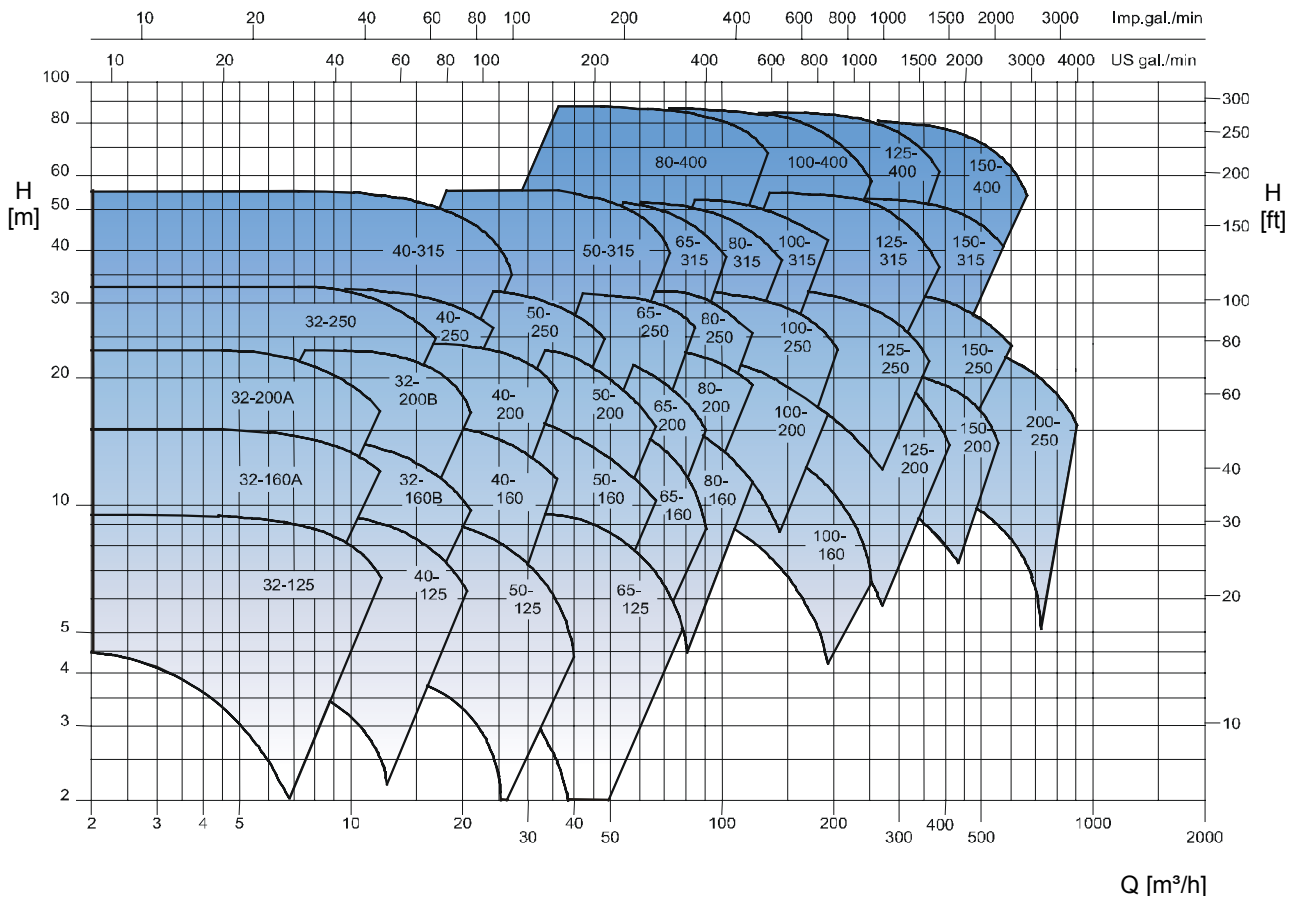
n = 2900 rpm



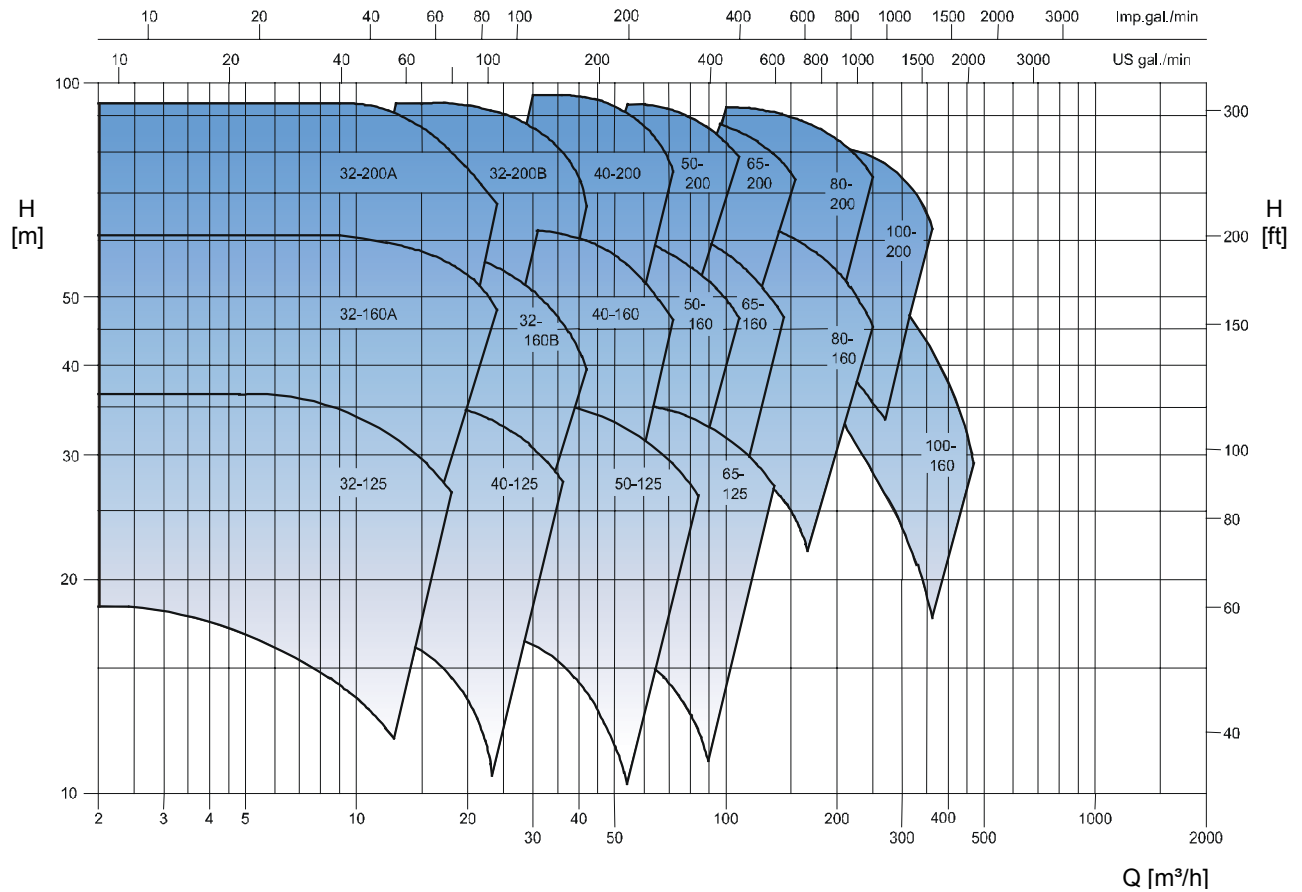
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Performance Graph

n = 1750 rpm

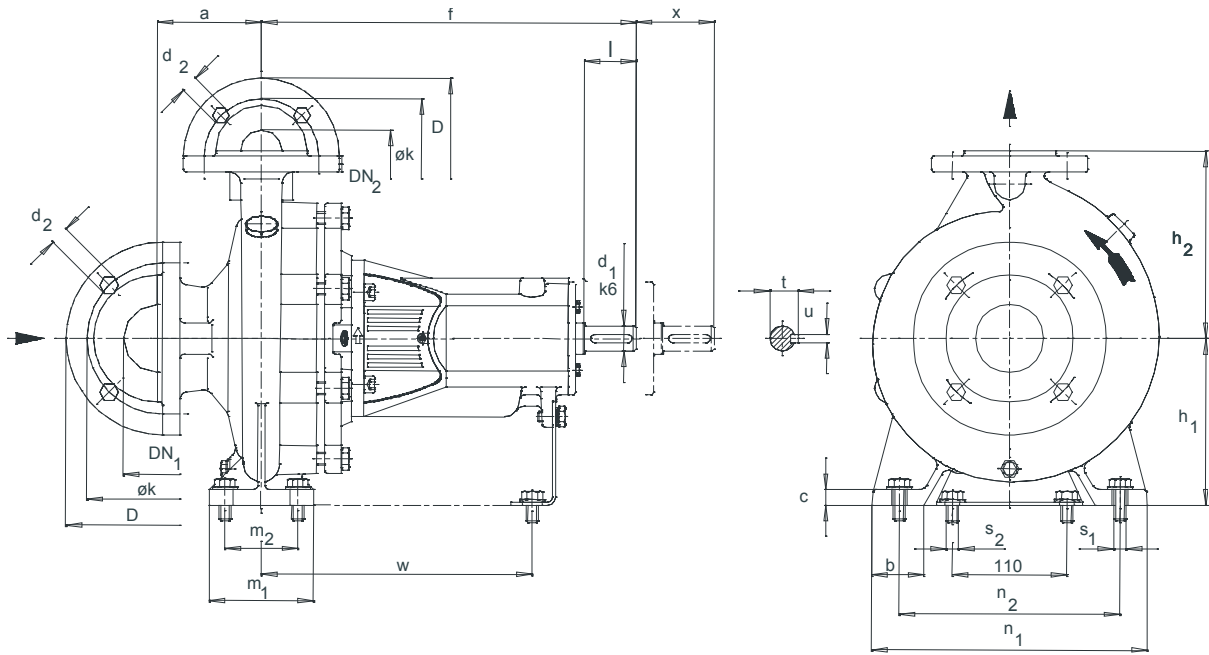


n = 3500 rpm



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Table of Dimensions



All dimensions in mm

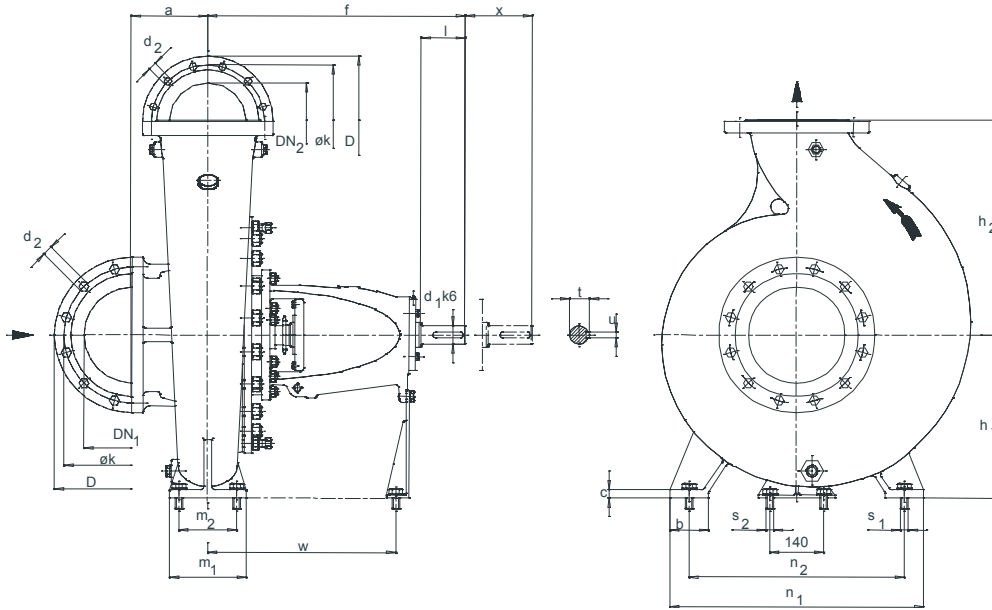
Size	BB	Pump dimensions						Foot dimensions						Shaft end							
		DN ₂	DN ₁	a	f	h ₁	h ₂	b	c	m ₁	m ₂	n ₁	n ₂	s ₁ *	s ₂ *	w	x	d ₁	l	t	u
32125	25	32	50	80	360	112	140	50	15	100	70	190	140	M12	M12	260	100	24	50	27	8
32160	25	32	50	80	360	132	160	50	15	100	70	240	190	M12	M12	260	100	24	50	27	8
32200	25	32	50	80	360	160	180	50	15	100	70	240	190	M12	M12	260	100	24	50	27	8
32250 ¹⁾	25	32	50	100	360	180	225	65	15	125	95	320	250	M12	M12	260	100	24	50	27	8
40125	25	40	65	80	360	112	140	50	15	100	70	210	160	M12	M12	260	100	24	50	27	8
40160	25	40	65	80	360	132	160	50	15	100	70	240	190	M12	M12	260	100	24	50	27	8
40200	25	40	65	100	360	160	180	50	15	100	70	265	212	M12	M12	260	100	24	50	27	8
40250	25	40	65	100	360	180	225	65	15	125	95	320	250	M12	M12	260	100	24	50	27	8
40315 ¹⁾	35	40	65	125	470	225	250	65	18	125	95	345	280	M12	M12	340	100	32	80	35	10
50125	25	50	65	100	360	132	160	50	15	100	70	240	190	M12	M12	260	100	24	50	27	8
50160	25	50	65	100	360	160	180	50	15	100	70	265	212	M12	M12	260	100	24	50	27	8
50200	25	50	65	100	360	160	200	50	15	100	70	265	212	M12	M12	260	100	24	50	27	8
50250	25	50	65	100	360	180	225	65	15	125	95	320	250	M12	M12	260	100	24	50	27	8
50315 ¹⁾	35	50	65	125	470	225	280	65	17	125	95	345	280	M12	M12	340	100	32	80	35	10
65125	25	65	80	100	360	160	180	65	15	125	95	280	212	M12	M12	260	100	24	50	27	8
65160	25	65	80	100	360	160	200	65	15	125	95	280	212	M12	M12	260	100	24	50	27	8
65200	25	65	80	100	360	180	225	65	15	125	95	320	250	M12	M12	260	140	24	50	27	8
65250	35	65	80	100	470	200	250	80	15	160	120	360	280	M16	M12	340	140	32	80	35	10
65315	35	65	80	125	470	225	280	80	18	160	120	400	315	M16	M12	340	140	32	80	35	10
80160	25	80	100	125	360	180	225	65	15	125	95	320	250	M12	M12	260	140	24	50	27	8
80200	35	80	100	125	470	180	250	65	15	125	95	345	280	M12	M12	340	140	32	80	35	10
80250	35	80	100	125	470	200	280	80	18	160	120	400	315	M16	M12	340	140	32	80	35	10
80315	35	80	100	125	470	250	315	80	18	160	120	400	315	M16	M12	340	140	32	80	35	10
80400 ¹⁾	45	80	125	125	530	280	355	80	18	160	120	435	355	M16	M12	370	140	42	110	45	12
100160 ¹⁾	35	100	125	125	470	200	280	80	18	160	120	360	280	M16	M12	340	140	32	80	35	10
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100400	45	100	125	140	530	280	355	100	18	200	150	500	400	M20	M12	370	140	42	110	45	12
125200 ¹⁾	35	125	150	140	470	250	315	80	18	160	120	400	315	M16	M12	340	140	32	80	35	10
125250	35	125	150	140	470	250	355	80	18	160	120	400	315	M16	M12	340	140	32	80	35	10
125315	45	125	150	140	530	280	355	100	18	200	150	500	400	M20	M12	370	140	42	110	45	12
125400	45	125	150	140	530	315	400	100	18	200	150	500	400	M20	M12	370	140	42	110	45	12
150200 ¹⁾	35	150	200	160	470	280	400	100	20	200	150	550	450	M20	M12	340	140	32	80	35	10
150250 ¹⁾	35	150	200	160	470	280	400	100	20	200	150	500	400	M20	M12	340	140	32	80	35	10
150315	45	150	200	160	530	280	400	100	18	200	150	550	450	M20	M12	370	140	42	110	45	12
150400	45	150	200	160	530	315	450	100	18	200	150	550	450	M20	M12	370	140	42	110	45	12
200250 ¹⁾	45	200	200	160	590	280	400	100	22	200	150	500	400	M20	M12	430	180	42	110	45	12

¹⁾ Transnorm pump sizes, not included in DIN 24255 / EN 733. Flanges drilled according to ANSI 150 on request.

* Slots suitable for bolts with dimensions indicated. Bolts are not included in the bare shaft pump standard scope of supply.

Designs are subject to amendment without prior notice.

Table of Dimensions



All dimensions in mm

Size	BB	Pump dimensions						Foot dimensions								Shaft end					
		DN ₂	DN ₁	a	f	h ₁	h ₂	b	c	m ₁	m ₂	n ₁	n ₂	s ₁ *	s ₂ *	w	x	d ₁	l	t	u
150500 ¹⁾	55	150	200	180	670	400	500	100	22	200	150	640	540	M20	M16	489	180	50	115	53.5	14
200315 ¹⁾	55	200	250	200	670	355	450	100	22	200	150	550	450	M20	M16	489	180	50	115	53.5	14
200400 ¹⁾	55	200	250	180	670	355	500	100	22	200	150	550	450	M20	M16	489	180	50	115	53.5	14
200500 ¹⁾	55	200	250	200	670	425	560	100	22	200	150	660	560	M20	M16	489	180	50	115	53.5	14
250300 ¹⁾	55	250	300	305	655	425	550	120	28	240	190	700	600	M20	M16	474	180	50	115	53.5	14
250315 ¹⁾	55	250	300	250	670	375	560	120	28	240	190	620	520	M20	M16	489	180	50	115	53.5	14
250400 ¹⁾	65	250	300	250	720	400	600	120	29	240	190	700	600	M20	M16	508	180	60 ²⁾	145	64	18
250500 ¹⁾	65	250	300	250	720	450	670	120	32	240	190	750	650	M20	M16	503	180	60 ²⁾	145	64	18
300400 ¹⁾	65	300	350	300	720	425	670	120	30	250	190	760	660	M24	M16	508	180	60 ²⁾	145	64	18
300500 ¹⁾	65	300	350	300	720	480	670	140	32	250	190	840	720	M24	M16	508	180	60 ²⁾	145	64	18

¹⁾ Transnorm pump sizes, not included in DIN 24255 / EN 733. Flanges drilled according to ANSI 150 on request.

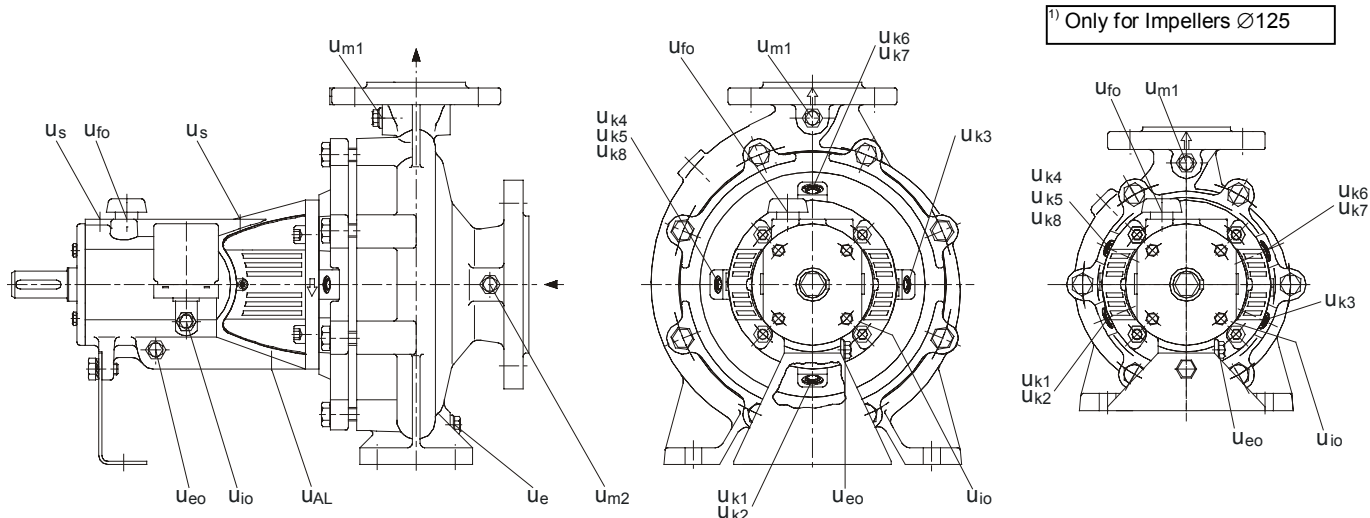
²⁾ For these sizes the clearance corresponds to M6.

* Slots suitable for bolts with dimensions indicated. Bolts are not included in the bare shaft pump standard scope of supply.

Flange connections to DIN 2501 PN 16														DIN 2501 PN 10			
DN ₂ /DN ₁	32	40	50	65	80	100	125	150	200	250	300	350	400	100	125	150	200
D	140	150	165	185	200	220	250	285	340	405	460	520	580	220	250	285	340
k	100	110	125	145	160	180	210	240	295	355	410	470	525	180	210	240	295
d ₂ x number	18x4	18x4	18x4	18x4	18x8	18x8	18x8	22x8	22x12	26x12	26x12	26x16	30x16	18x8	18x8	22x8	22x8

Designs are subject to amendment without prior notice.

Connections for bearing brackets 25, 35 and 45



- u_{m1} : Pressure gauge. Only available on request
- u_{m2} : Pressure gauge. Only available on request
- u_e : Drainage
- u_{eo} : Oil drainage
- u_{io} : Constant level oiler
- u_{fo} : Oil filling
- u_{AL} : Drainage for leakage. Threaded hole only available on request
- u_s : Sensor

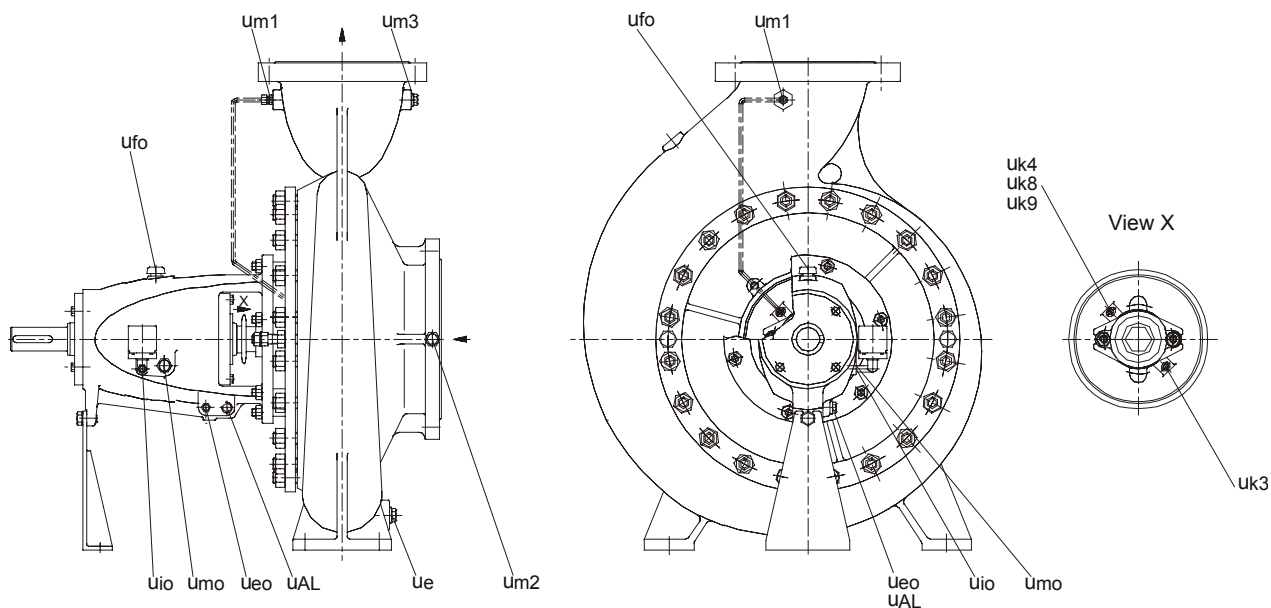
- u_{k1} : Quench Inlet
- u_{k2} : Heating Inlet
- u_{k3} : 051 Inlet (Stuffing box)
- u_{k4} : 052 External sealing (Stuffing box)
- u_{k5} : External Flushing
- u_{k6} : Quench Outlet
- u_{k7} : Heating Outlet
- u_{k8} : 051 Outlet (Stuffing box)

Size	U _{m1}	U _{m2}	U _e	U _{eo}	U _{io}	U _{fo}	U _{AL}	U _s	U _{k1}	U _{k2}	U _{k3}	U _{k4}	U _{k5}	U _{k6}	U _{k7}	U _{k8}															
32125 ¹⁾	G 1/4		G 1/4																												
32160																															
32200																															
32250																															
40125 ¹⁾																															
40160																															
40200																															
40250																															
40315																															
50125 ¹⁾																															
50160																															
50200																															
50250																															
50315																															
65125 ¹⁾			G 3/8														G 1/4	Ø15.65	Ø13	M 8											
65160																															
65200																															
65250																															
65315																															
80160																															
80200																															
80250																															
80315																															
80400																															
100160	G 1/4																														
100200																															
100250																															
100315																															
100400																															
125200																															
125250																															
125315																															
125400																															
150200																															
150250																															
150315																															
150400																															
200250																															

Certain construction sizes do not correspond in all details to the drawing

Designs are subject to amendment without prior notice.

Connections for bearing brackets 55 and 65.

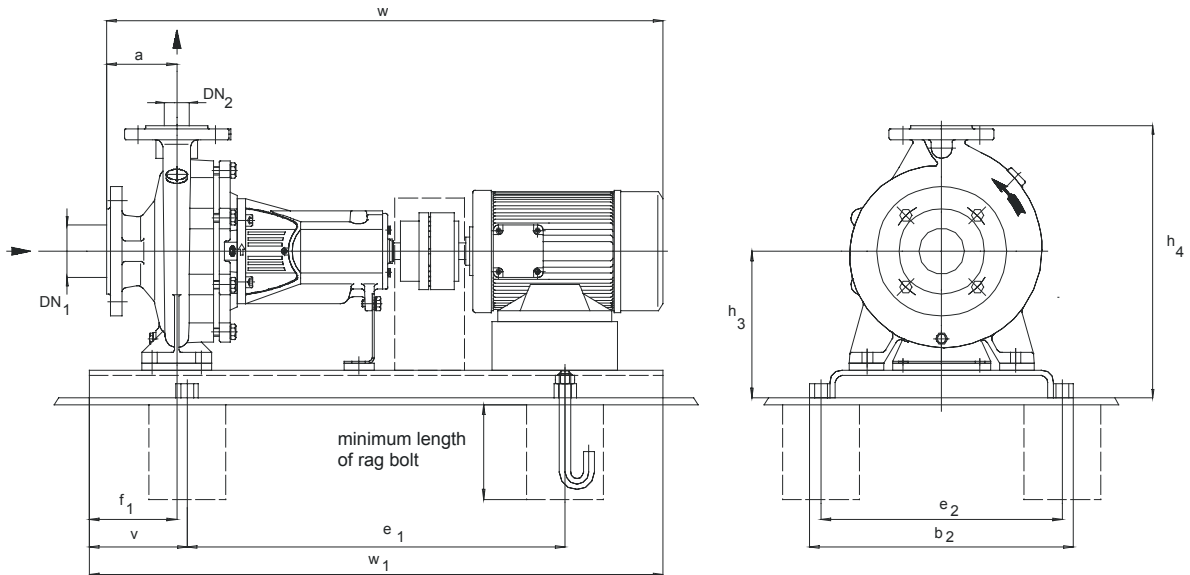


- u_{m1} : Self sealing connection
- u_{m2} : Pressure/vacuum gauge. Only available on request
- u_e : Drainage
- u_{eo} : Oil drainage
- u_{io} : Constant level oiler
- u_{fo} : Oil filling
- u_{AL} : Drainage for leakage

- u_{m3} : Pressure gauge connection
- u_{k3} : 051 Inlet (Stuffing box)
- u_{k4} : 052 External sealing (Stuffing box)
- u_{k8} : 051 Outlet (Stuffing box)
- u_{mo} : Oil level control
- u_{k9} : 041 inlet (Stuffing box)

Size	U _{m1}	U _{m2}	U _e	U _{eo}	U _{io}	U _{fo}	U _{AL}	U _{m3}	U _{k3}	U _{k4}	U _{k8}	U _{mo}	U _{k9}
150500													
200315													
200400													
200500													
250300													
250315	G1/4	G1/2	G1/2	G1/4	G1/4	∅20	G1/2	G1/2	G1/4	G1/4	G1/4	G3/4	G1/4
250400													
250500													
300400													
300500													

Foundation plan, bearing brackets 25, 35 and 45.



Dimensions in mm

Tolerances for welded parts acc. to DIN 8570 B

n = 1450 rpm

Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	w*	w ₁	Rag bolt		
	size	kW			pump	unit															
32-125	71	0.25	S241		31	50															
32-160	71	0.37	S301	B68	33	65	32	50	80	330	480	290	125	60	177	317	683		730	M16x200	
	80	0.55																			
32-200	80	0.55	S383		34	68															
	90S	1.10																			
32-250	80	0.75	S383		46	103			100	490	600	440	160	75	260	485	737		920	M20x400	
	90S	1.10																			
40-125	71	0.37	S241		28	60															
	80	0.55																			
40-160	71	0.37	S301	B68	30	62	40	65	80	330		290								730	M16x200
	80	0.55																			
40-200	80	0.55	S383		36	75			100	390	480	350	125	60	197	357	717		920	M20x400	
	90S	1.10																			
40-250	80	0.75	S383		46	106			100	490	600	440	160	75	260	485	795		920	M20x400	
	90L	1.50																			
40-315	100L	2.20	S434	B80	73	147			125	540	660	490	170						1000		
	112M	3.00																			
50-125	71	0.37	S301	B68	30	62	50	65	100	390	480	350	125	60	197	357	737		730	M16x200	
	80	0.55																			
50-160	80	0.55	S342	B80	36	75			100	450	540	400	140						820		
	90S	1.10																			
50-200	80	0.75	S383		40	81			100	490	600	440	160	75	260	485	795		920	M20x400	
	90L	1.50																			
50-250	90L	1.50	S383		50	114			100	490	600	440	160	75	260	485	795		920	M20x400	
	100L	2.20																			
50-315	112M	4.00	S434	B95	88	171			125	540	660	490	170						1000		
	132S	5.50																			
65-125	80	0.55	S342	B68	33	80	65	80	100	450	540	400	140	60	240	440	836		820	M20x400	
	80	0.75																			
65-160	80	0.75	S342	B80	39	88			100	450	540	400	140	60	240	440	836		820	M20x400	
	90L	1.50																			
	100L	2.20				104															

Designs are subject to amendment without prior notice.

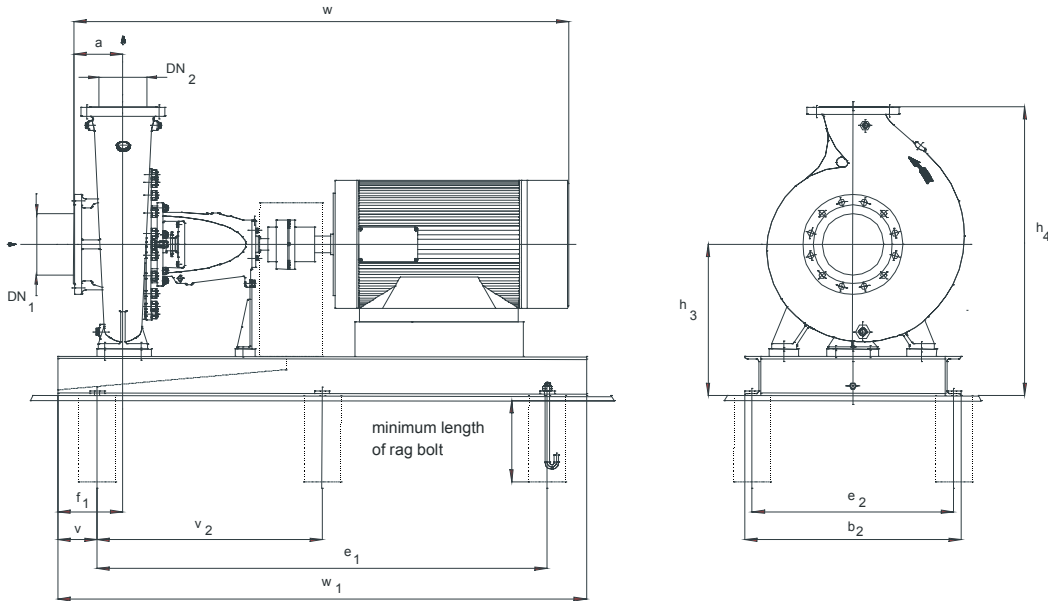
Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	w*	w ₁	Rag bolt
	size	kW			pump	unit													
65-200	90S	1.10	S383	B68	45	105	65	80	100	490	600	440	160	75	260	485	795	920	M20x400
	90L	1.50				108											795		
	100L	2.20		118		836													
	100L	3.00		120		836													
65-250	100L	2.20	S434	B80	70	125	90	125	730	740	670	190	90	325	605	1068	1120	M24x400	
	100L	3.00				158										946			
	100L	4.00		160		946													
	112M	4.00		165		967													
65-315	132S	5.50	S605	B95	92	236	125	125	730	740	670	190	90	325	605	1043	1250	M24x400	
	132M	7.50				247										1068			
	160M	11.00		268		1094													
	160L	15.00		288		1186													
80-160	80	0.75	S383	B68	43	100	80	100	490	600	440	160	75	260	485	762	920	M20x400	
	90S	1.10				103										820			
	90L	1.50		106		820													
	100L	2.20		116		861													
80-200	100L	3.00	S434	B80	60	118	80	100	490	600	440	160	75	260	510	861	1000	M20x400	
	90L	1.50				125										930			
	100L	2.20		134		971													
	100L	3.00		136		971													
80-250	112M	4.00	S605	B95	75	141	125	125	730	740	670	190	90	300	580	1068	1120	M24x400	
	132S	5.50				157										1068			
	132M	7.50		197		1094													
	132M	7.50		202		1068													
80-315	132S	5.50	S486	B95	95	218	80	125	730	740	670	190	90	350	665	1094	1250	M24x400	
	132M	7.50				239										1068			
	160M	11.00		251		1094													
	160L	15.00		272		1186													
80-400	160M	11.00	S486	B110	143	291	80	125	610	840	550	205	90	380	735	1248	1250	M24x400	
	160L	15.00				322										1247			
	180M	18.50		340		1247													
	180L	22.00		361		1371													
100-160	200L	30.00	S434	B80	78	424	100	125	540	660	490	170	90	280	560	1371	1000	M20x400	
	100L	2.20				166										971			
	100L	3.00		169		971													
	112M	4.00		174		992													
100-200	132S	5.50	S605	B95	70	190	100	125	540	660	490	170	90	280	560	1068	1120	M24x400	
	100L	2.20				158										971			
	100L	3.00		160		971													
	112M	4.00		165		992													
100-250	132S	5.50	S605	B80	85	213	100	125	540	660	490	170	90	300	605	1068	1120	M24x400	
	132M	7.50				181										1068			
	112M	4.00		193		1094													
	132S	5.50		213		1007													
100-315	132M	7.50	S486	B95	104	228	100	125	730	740	670	190	90	325	605	1083	1250	M24x400	
	160M	11.00				240										1109			
	160M	11.00		261		1201													
	160L	15.00		281		1201													
100-400	160L	15.00	S606	B110	177	300	140	140	610	840	550	205	110	380	735	1263	1400	M24x400	
	180M	18.50				320										1325			
	180L	22.00		337		1325													
	160L	15.00		402		1262													
125-200	180L	18.50	S607	B140	188	438	125	150	730	840	670	205	110	380	735	1386	1400	M24x400	
	200L	30.00				486										1444			
	225S	37.00		548		1481													
	225M	45.00		569		1481													
125-250	132M	7.50	S605	B95	100	256	125	150	730	740	670	190	90	350	665	1109	1120	M24x400	
	160M	11.00				277										1201			
	160L	15.00		296		1263													
	132M	7.50		258		1109													
125-315	160M	11.00	S486	B110	102	279	125	150	730	840	670	190	110	380	735	1263	1250	M24x400	
	160L	15.00				298										1201			
	160L	15.00		375		1262													
	180M	18.50		396		1386													
125-400	180L	22.00	S606	B110	151	411	125	150	730	840	670	205	110	380	735	1386	1400	M24x400	
	200L	30.00				459										1444			
	225S	37.00		520		1481													
	225S	37.00		520		1481													
150-200	200L	30.00	S606	B125	188	498	125	150	730	840	670	205	110	380	780	1444	1250	M24x400	
	225S	37.00				559										1481			
	225M	45.00		580		1481													
	250M	55.00		793		1604													
150-250	280S	75.00	S607	B180	188	1047	125	150	730	840	670	205	110	380	780	1679	1800	M16x200	
	132M	7.50				295										1129			
	160M	11.00		316		1221													
	160L	15.00		335		1283													
150-400	180M	18.50	S606	B110	128	355	150	200	160	730	840	670	205	110	380	780	1345	1250	M24x400
	160L	15.00				340											1283		
	180M	18.50		360		1345													
	180L	22.00		389		1345													
150-400	200L	30.00	S607	B140	128	436	150	200	160	730	840	670	205	110	380	780	1403	1400	M24x400
	200L	30.00				436											1403		

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Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	w*	w ₁	Rag bolt
	size	kW			pump	unit													
150-315	180L	22.00	S606	B110	170	431	150	200	160	730	840	670	230	110	380	780	1406	1400	M24x400
	200L	30.00		B125		479											1464		
	225S	37.00		B140		540											1501		
	250M	55.00	S607	B160		774											1624		
225M	45.00	B140		598	1501														
150-400	250M	55.00	180x73x14	B160	205	811	150	200	160	730	940	680	170	200	455	905	1624	1800	M16x200
	280S	75.00		B180		1065											1699		
	280M	90.00		1117		1699													
	160L	15.00	S607	B95		471											1342		
180M	18.50	B110		492	1466														
180L	22.00			507	1466														
200L	30.00	B125		555	1524														

* Motor protection type IP 55, dimensions depend on the motor manufacturer.
Dimension listed are taken from the SIEMENS catalogue.

Foundation plan, bearing brackets 55 and 65.



Dimensions in mm

Tolerances for welded parts acc. to DIN 8570 B

n = 1450 rpm

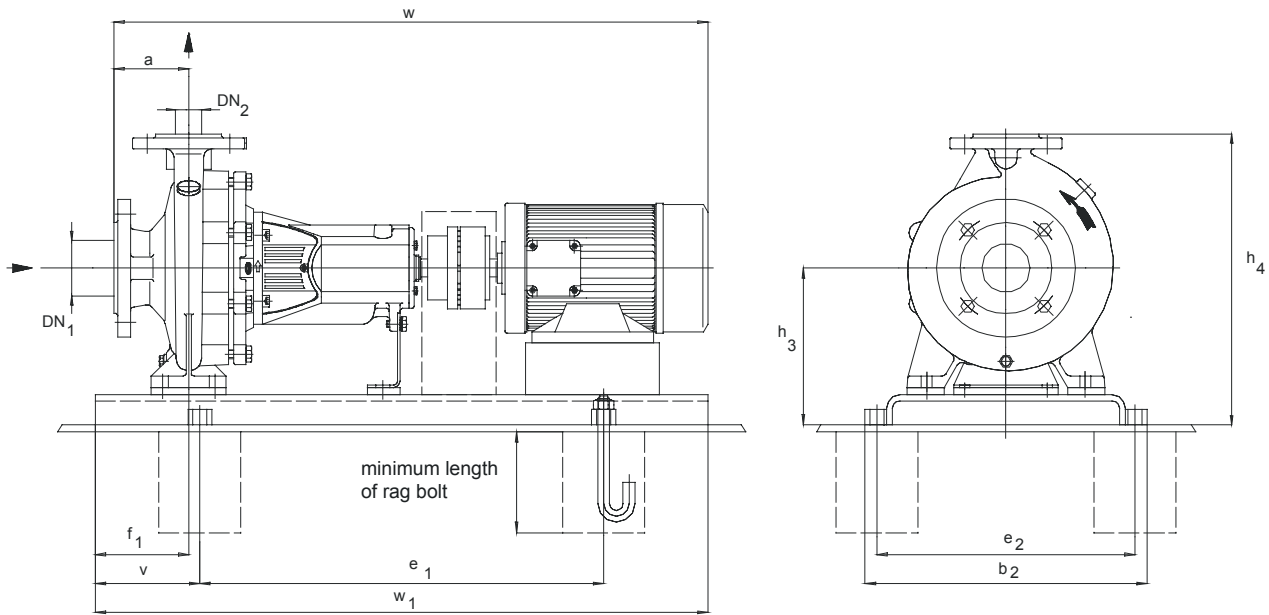
Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	v	e ₁	e ₂	v ₂	f ₁	h ₃	h ₄	w*	w ₁	Rag bolt	
	size	kW			pump	unit															
150-500	180L	22	167x81x12	B125	335	674	150	200	180	810	170	1330	760	665	235	550	1050	1566	1670	M16x200	
	200L	30	174x82x14	B140																	754
	225S	37	178x82x14	B140																	817
	225M	45		B160																	845
	250M	55	190x82x14	B160																	955
	280S	75	198x82x14	B180																	1136
	280M	90		B180																	1397
	315S	110	212x83x16	B200																	1477
	315M	132		B200																	1635
	315L	160	226x83x16	B200																	1775
315L	200		B225	1605																	
315	250	238x87x16	B225		1605																
200-315	180L	22	169x72x12	B125	310	659	200	250	200	720	170	1350	670	675	255	505	955	1586	1690	M16x200	
	200L	30	176x73x14	B140																	712
	225S	37	180x73x14	B140																	777
	225M	45		B160																	805
	250M	55	192x73x14	B160																	915
	280S	75	200x74x14	B180																	1095
	280M	90		B180																	1175
	315S	110	212x82x16	B200																	1400
	315M	132		B200																	1480
	315L	160	226x82x16	B200																	1635
315L	200		B225	1775																	
315	250	238x87x16	B225		1610																
200-400	180L	22	167x72x12	B125	340	742	200	250	180	720	170	1400	670	665	235	505	1005	1566	1670	M16x200	
	200L	30	174x73x14	B140																	807
	225S	37	178x73x14	B140																	872
	225M	45		B160																	935
	250M	55	190x73x14	B160																	1045
	280S	75	198x74x14	B180																	1225
	280M	90		B180																	1400
	315S	110	212x82x16	B200																	1480
	315M	132		B200																	1635
	315L	160	226x82x16	B200																	1775
315L	200		B225	1610																	
315	250	238x87x16	B225		1610																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x16	B200																	1465
	315M	132		B200																	1545
	315L	160	228x85x16	B200																	1700
	315L	200		B225																	1840
	315	250	240x87x16	B225																	1665
	315	315		B250																	1865
355	355	264x98x18	B250		1965																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x16	B200																	1465
	315M	132		B200																	1545
	315L	160	228x85x16	B200																	1700
	315L	200		B225																	1840
	315	250	240x87x16	B225																	1665
	315	315		B250																	1865
355	355	264x98x18	B250		1965																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x16	B200																	1465
	315M	132		B200																	1545
	315L	160	228x85x16	B200																	1700
	315L	200		B225																	1840
	315	250	240x87x16	B225																	1665
	315	315		B250																	1865
355	355	264x98x18	B250		1965																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x16	B200																	1465
	315M	132		B200																	1545
	315L	160	228x85x16	B200																	1700
	315L	200		B225																	1840
	315	250	240x87x16	B225																	1665
	315	315		B250																	1865
355	355	264x98x18	B250		1965																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x16	B200																	1465
	315M	132		B200																	1545
	315L	160	228x85x16	B200																	1700
	315L	200		B225																	1840
	315	250	240x87x16	B225																	1665
	315	315		B250																	1865
355	355	264x98x18	B250		1965																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x16	B200																	1465
	315M	132		B200																	1545
	315L	160	228x85x16	B200																	1700
	315L	200		B225																	1840
	315	250	240x87x16	B225																	1665
	315	315		B250																	1865
355	355	264x98x18	B250		1965																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x16	B200																	1465
	315M	132		B200																	1545
	315L	160	228x85x16	B200																	1700
	315L	200		B225																	1840
	315	250	240x87x16	B225																	1665
	315	315		B250																	1865
355	355	264x98x18	B250		1965																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x16	B200																	1465
	315M	132		B200																	1545
	315L	160	228x85x16	B200																	1700
	315L	200		B225																	1840
	315	250	240x87x16	B225																	1665
	315	315		B250																	1865
355	355	264x98x18	B250		1965																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x16	B200																	1465
	315M	132		B200																	1545
	315L	160	228x85x16	B200																	1700
	315L	200		B225																	1840
	315	250	240x87x16	B225																	1665
	315	315		B250																	1865
355	355	264x98x18	B250		1965																
200-500	225M	45	180x84x14	B140	395	915	200	250	200	840	190	1420	790	710	260	595	1155	1681	1800	M16x200	
	250M	55	192x84x14	B160																	1025
	280S	75	200x84x14	B180																	1205
	280M	90		B180																	1255
	315S	110	214x85x1																		

Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	v	e ₁	e ₂	v ₂	f ₁	h ₃	h ₄	w*	w ₁	Rag bolt					
	size	kW			pump	unit																			
250-300	225S	37	189x88x14	B140	416	894	250	300	305	880	190	1510	830	755	365	595	1145	1771	1890	M16x200					
	225M	45				922					190			771				1890							
	250M	55	201x88x14	B160		1037					210	1590		795				1894	2010						
	280S	75	209x88x14	B180		1217					210	1670		835				1969	2090						
250-315	200L	30	181x80x14	B125	424	842	250	300	250	800	190	1430	750	715	310	545	1105	1694	1810	M16x200					
	225S	37	185x80x14	B140		902					190	1470		735				1731	1850						
	225M	45				930					190							1731							
	250M	55	197x80x14	B160		1045					190	1590		795				1854	1970						
	280S	75	205x80x14	B180		1225					210	1630		815				1929	2050						
	280M	90				1275					210							1929							
	315S	110	219x82x16	B200		1485					210	1770		760				885	315	565	1125	2064	2190	M18x200	
	315M	132				1565					210							2064				2064			
250-400	225S	37	190x88x14	B140	464	958	250	300	250	880	190	1520	830	760	310	570	1170	1781	1900	M16x200					
	225M	45				985					190			800				1781							
	250M	55	202x88x14	B160		1095					210	1600		840				1904	2020						
	280S	75	210x88x14	B180		1275					210	1680						1979	2100						
	280M	90				1325					210							1979							
	315S	110	224x89x16	B200		1540					230	1780		890				890	2114	2240					
	315M	132								1620	230		2114												
	315L	160	238x89x16	B225		1775				230	1920	960	315	590	1190	2114	2380	M18x200							
	315L	200								1915	230			960			2114								
	315	250	250x89x16	B250		1735				250	2000	1000	1000	2254	2500										
	315	315								2135	250			2374	2374										
	355	355	274x98x18			2040				270	2200	920	1100	320	610	1210	2599	2740							
250-500	280S	75	210x93x14	B180	589	1407	250	300	250	930	210	1680	880	840	310	620	1290	1979	2100	M16x200					
	280M	90				1456					210			890				1979							
	315S	110	224x94x16	B200		1671					230	1780		960	2114	2240									
	315M	132									1755	230				2114									
	315L	160	238x94x16	B225		1910				230	1920	960	315	640	1310	2114	2380	M18x200							
	315L	200								2050	230			960			2114								
	315	250	250x94x16	B250		1860				250	2000	1000	1000	2254	2500										
	315	315								2160	250			2374	2374										
	355	355	274x98x18			2165				270	2200	920	1100	320	660	1330	2599	2740							
	355	400				2205				270			2599				2599								
300-400	225M	45	195x94x14	B140	620	1150	300	350	300	940	190	1570	890	785	360	595	1265	1831	1950	M16x200					
	250M	55	207x94x14	B160		1260					210	1650		825				1954	2070						
	280S	75	215x94x14	B180		1442					210	1730		865				2029	2150						
	280M	90				1491					210							2029							
	315S	110	229x95x16	B200		1701				230	1830	915	2164	2290											
	315M	132								1785	230			2164											
	315L	160	243x95x16	B225		1945				230	1930	965	365	615	1285	2164	2430	M18x200							
	315L	200								2085	250		1930	965			2164								
	315	250	255x95x16	B250		1892				250	2050	1025	1025	2304	2550										
	315	315								2191	250			1025	2424	2424									
	355	355	279x98x18			2196				270	2250	920	1125	370	635	1305	2649	2790							
	355	400				2240				270			2649				2649								
	300-500	225M	45	195x102x14		B140				800	1270	300	350	300	1020	190	1570	970	785	360	650	1320	1831	1950	M16x200
		250M	55	207x102x14		B160					1477					210	1650		825				1954	2070	
280S		75	215x102x14	B180	1655	210	1730	865	2029		2150														
280M		90			1711	210			2029																
315S		110	229x103x16	B200	1925	230	1830	915	2164		2290														
315M		132				2007	230				2164														
315L		160	243x103x16	B225	2170	230	1930	965	365		670				1340	2164	2430	M18x200							
315L		200				2313	250		1930		965						2164								
315		250	255x103x16	B250	2725	250	2050	1025	1025		2304				2550										
315		315				2939	250				1025				2424	2424									
355		355	279x104x18	B280	3372	270		980	1125							2649	2790								
355		400				3474	270		2250		980				1125	370	690		1360	2649	2790				
355		500		A315	3689	270		1000	1205							2849	2990								
400		560				4302	290		2410		1000				1205				2849	2990					
400		630	299x106x18			4524	290												2849						
400		710				4728	290												2849						

* Motor protection type IP 55, dimensions depend on the motor manufacturer. Dimensions listed are taken the SIEMENS catalogue.

Designs are subject to amendment without prior notice.

Foundation plan, bearing brackets 25,35 and 45



Dimensions in mm

Tolerances for welded parts acc. to DIN 8570 B

n = 2900 rpm

Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	w*	w ₁	Rag bolt
	size	kW			pump	unit													
32-125	71	0.55	S241	B68	31	51	32	50	80	330	480	290	125	60	177	317	683	730	M16x200
	80	0.75				52											717		
	80	1.10				54											717		
	90S	1.50				57											775		
32-160	90L	2.20	S301	B80	33	74	32	50	80	390	480	350	140	60	197	357	775	820	M16x200
	90S	1.50				72											837		
	90L	2.20				80											775		
	100L	3.00				89											816		
32-200	112M	4.00	S272	B80	33	96	32	50	80	360	540	320	140	60	197	357	837	820	M16x200
	90L	2.20				81											775		
	100L	3.00				90											816		
	112M	4.00				97											837		
32-250	132S	5.50	S303	B95	34	128	32	50	80	390	480	350	125	60	225	405	913	920	M20x400
	132S	7.50				138											913		
	132S	7.50				151											933		
	160M	11.00				171											1051		
40-125	160M	15.00	S434	B95	46	184	40	65	100	540	660	490	170	75	260	485	1051	1000	M20x400
	80	1.10				64											717		
	90S	1.50				67											775		
	90L	2.20				71											775		
40-160	100L	3.00	S272	B80	30	80	40	65	80	360	540	320	140	60	197	357	816	820	M16x200
	90S	1.50				69											775		
	90L	2.20				77											775		
	100L	3.00				79											816		
40-200	112M	4.00	S303	B95	36	93	40	65	100	390	600	350	160	60	240	420	913	920	M20x400
	132S	5.50				115											837		
	100L	3.00				92											836		
	112M	4.00				99											857		
40-250	132S	5.50	S342	B80	36	122	40	65	100	390	600	350	160	60	225	405	933	920	M16x200
	132S	7.50				133											933		
	160M	11.00				162											1051		
	132S	7.50				151											933		
50-125	160M	15.00	S434	B95	46	171	40	65	100	540	660	490	170	75	260	485	1051	1000	M20x400
	160M	15.00				184											1051		
	160L	18.50				224											1113		
	90S	1.50				69											795		
50-160	90L	2.20	S301	B68	30	77	50	65	100	390	480	350	125	60	197	357	795	730	M16x200
	132S	5.50				116											933		
	90L	2.20				83											795		
	100L	3.00				92											836		
50-160	112M	4.00	S342	B80	36	99	50	65	100	450	540	400	140	60	240	420	857	820	M20x400
	132S	5.50				122											836		
	132S	7.50				133											857		
	160M	11.00				162											933		
50-160	160M	11.00	S383	B95	36	162	50	65	100	490	600	440	160	60	240	420	1050	920	M20x400
	132S	7.50				133											933		
	132S	7.50				133											933		
	160M	11.00				162											1050		

* Motor protection type IP 55, dimensions depend on the motor manufacturer. Dimensions listed are taken the SIEMENS catalogue.

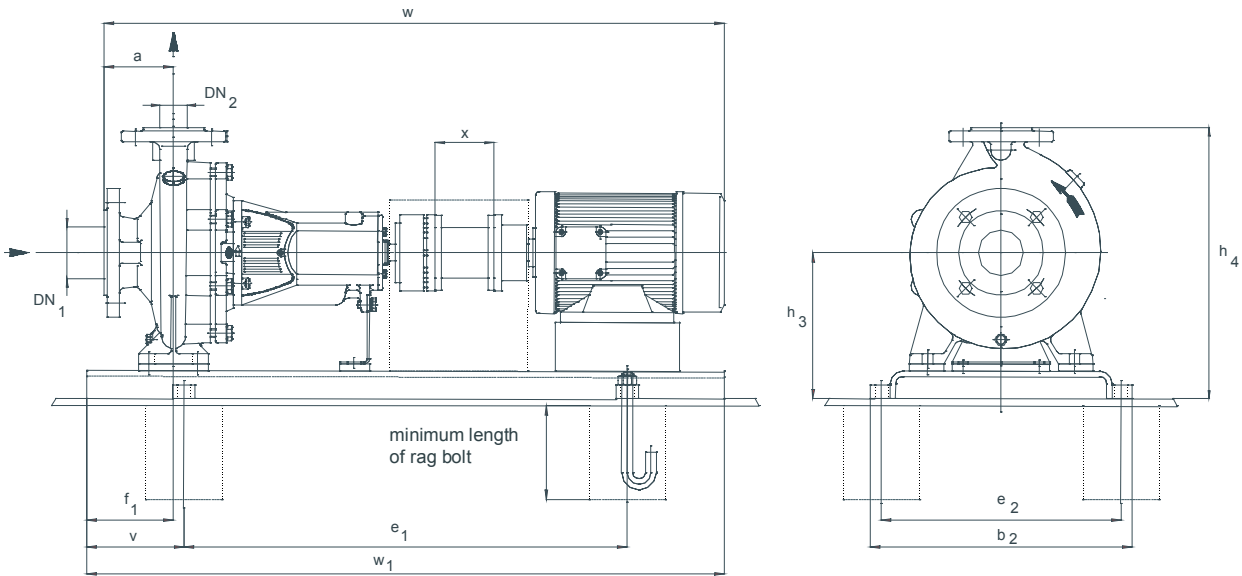
Designs are subject to amendment without prior notice.

Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	w*	w ₁	Rag bolt											
	size	kW			pump	unit																								
50-200	100L	3.00	S342	B80	40	96	50	65	100	450	540	400	140	60	240	440	836	820	M20x400											
	112M	4.00	S303	B95		103				390	600	350	160		225	425	933	920	M16x200											
	132S	5.50				126				490	600	440	160		240	440	1051	1051	1000											
	132S	7.50				136									260	485	1051			1113										
	160M	11.00	S383			167				540	660	490	170		280	505	1175	1120	M24x400											
160M	15.00	S434	180		730	740	670	190	300	525	1233																			
50-250	160M	15.00	S605	B110	50	188	65	80	100	540	740	670	190	75	260	485	1051	1000												
	160L	18.50				228									280	505	1175	1120	M24x400											
	200L	30.00				303									300	525	1233													
65-125	100L	3.00	S342	B80	33	98	65	80	100	450	540	400	140	60	240	440	836	820	M20x400											
	112M	4.00	S383	B95		104				490	600	440	160				933	920												
	132S	5.50				119											933	933												
	132S	7.50				130											933	933												
65-160	132S	5.50	S434		B95	39	125	65	80	100	540	660	490	170	75	260	485	1051	1000	M20x400										
	132S	7.50		136			1051											1051												
65-200	160M	11.00	S605	B110	45	165	65	80	100	730	740	670	190	75	280	505	1175	1120	M24x400											
	160M	15.00				179											300	525	1233											
	160M	15.00				B125											222	300	525	1233										
65-250	160L	18.50	S435	B95	70	254	65	80	100	540	740	670	200	90	280	530	1223	1140	M20x400											
	180M	22.00	S486	B125		290				610					840	550	205	300	550	1285	1250	M24x400								
	200L	30.00				397				730					940	670	230	325	575	1373	1400									
	200L	37.00				332												325	575	1373	1400									
	225M	45.00	S607			357				730					940	670	230	325	575	1373	1400									
80-160	132S	7.50	S383		B95	43	148	65	80	100	490	600	440	160	75	260	485	958	920	M20x400										
	160M	11.00	167	540			660				490	170	280	505				1186	1248	1120	M24x400									
	160M	15.00	181																			540	660	490	170	280	505	1186	1248	
	160L	18.50	220																			540	660	490	170	280	505	1186	1248	
180M	22.00	S605	B110	235	730	740	670	190	280	530	1368	1368																		
80-200	160M	15.00	S605	B95	60	226	65	80	100	730	740	670	190	75	280	530	1186	1120	M24x400											
	160L	18.50				244				610	840	550	205				300	580		1310	1368	1250								
	180M	22.00				259																	610	840	550	205	300	580	1310	1368
200L	30.00	B125	314	730	940	670	230	90	325	605	1398	1400																		
200L	37.00	S486	338										325	605	1398	1400														
80-250	180M	22.00	S607	B110	75	293	65	80	100	610	840	550	205	90	300	580	1310	1250	M24x400											
	200L	30.00				348											730	940		670	230	90	325	605	1398	1400				
	200L	37.00				372																					325	605	1398	1400
	225M	45.00				B140											402	325		605	1398	1400								
250M	55.00	S607	651	350	630	1528																								
100-160	160L	18.50	S435	B95	78	263	65	80	100	540	740	490	200	90	280	580	1248	1140	M20x400											
	180M	22.00	B110	278		610				840	550	205	300		580		1368	1250	M24x400											
	200L	30.00	S486	341																610	840	550	205	300	580	1368	1250			
	200L	37.00	B125	365																610	840	550	205	300	580	1368	1250			
100-200	160L	18.50	S435	B95	70	254	65	80	100	540	740	490	200	90	280	560	1248	1140	M20x400											
	180M	22.00	B110	269		610				840	550	205	300				580	1368	1250	M24x400										
	200L	30.00	S486	332																	610	840	550	205	300	580	1368	1250		
	200L	37.00	S607	B125																	357	730	940	670	230	90	325	605	1383	1400
	225M	45.00																			397									
200L	30.00	S486	358		610	840	550	205	90	325	605	1383	1250	M24x400																
200L	37.00	S486	382												610	840	550	205	325	605	1383	1250								
100-250	225M	45.00	S607		B125	85	413	65	80	100	730	940	670	230	90	325	605	1413	1400	M24x400										
	250M	55.00	S607	B140			413											730	940		670	230	90	350	630	1543	1800			
	280S	75.00					661																					744	1200	696
	280S	75.00	S609A				827											744	1200		696	300	380	660	1643	1800				
	280M	90.00	B160				869											744	1200		696	300	380	660	1643	1800				
125-200	250M	55.00	S607		B140	100	677	65	80	100	730	940	670	230	90	350	665	1543	1400	M24x400										
	280S	75.00	S609A	B160	842		744				1200	696	300	90		380	695	1643	1800											
	280M	90.00			884																744	1200	696	300	90	380	695	1643	1800	

* Motor protection type IP 55, dimensions depend on the motor manufacturer. Dimensions listed are taken from the SIEMENS catalogue.

Designs are subject to amendment without prior notice.

Foundation plan for units with spacer type coupling, bearing brackets 25,35 and 45.



Dimensions in mm

Tolerances for welded parts acc. to DIN 8570B

n = 1450 rpm

Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	x	w*	w ₁	Rag bolt																			
	size	kW			pump	unit																																	
32-125	71	0.37	S272	H80	31	69	32	50	80	360	540	320	140	60	177	317	100	823	820	M16x200																			
	71	0.37			71	71									823																								
32-160	80	0.55			33	73									857																								
	80	0.55			34	74									857																								
32-200	80	0.75	S015	H80	34	76	32	50	80	361	325	140	60	225	405	100	857	920	M20x400																				
	90S	1.10												79	210		390			915																			
32-250	80	0.75	S383	H80	46	105	40	65	100	490	600	440	160	75	260	485	100	877	920	M20x400																			
	90S	1.10																108			935																		
	90L	1.50																112			976																		
	100L	2.20																120			976																		
40-125	71	0.37	S272	H80	28	66	40	65	80	360	540	320	140	60	177	317	100	823	820	M20x200																			
	80	0.55													68	857																							
40-160	71	0.37													30	68		823																					
	80	0.55													30	70		857																					
40-200	80	0.75	S342	H80	36	85	40	65	100	450	540	400	140	60	182	342	100	877	820	M20x200																			
	80	0.75													86	877																							
	90S	1.10	89												935																								
	90L	1.50	93												935																								
40-250	90S	1.10	S303	H80	46	108	40	65	100	490	600	440	160	75	260	485	100	935	920	M20x400																			
	90L	1.50																112			976																		
	100L	2.20	120															976																					
	100L	3.00	123															976																					
40-315	100L	2.20	S605	H95	73	163	40	65	125	730	740	670	190	75	325	575	100	1111	1120	M24x400																			
	100L	3.00																165			1111																		
	112M	4.00	170															1132																					
	132S	5.50	186															1208																					
50-125	71	0.37	S272	H80	30	68	40	65	100	360	540	320	140	60	197	357	100	843	820	M16x200																			
	80	0.55													70	877																							
50-160	80	0.75													72	877																							
	80	0.55													36	77		877																					
50-200	80	0.75	S342	H80	36	79	40	65	100	450	540	400	140	60	240	420	100	877	920	M16x200																			
	80	0.75													82	877																							
	90S	1.10	82												935																								
	90L	1.50	91												935																								
50-250	90S	1.10	S303	H80	40	94	40	65	100	450	540	400	140	60	240	440	100	877	820	M20x400																			
	90L	1.50													97	935																							
	100L	2.20	106												976																								
	100L	3.00	116												976																								
50-315	100L	2.20	S383	H95	50	116	40	65	125	730	740	670	190	75	260	485	100	935	1120	M24x400																			
	100L	3.00																125			976																		
	112M	4.00	127															976																					
	132S	5.50	132															997																					
65-125	80	0.55	S342	H80	33	83	40	65	80	100	450	540	400	140	60	240	440	100	877	820	M20x400																		
	80	0.75																	84			877																	
65-160	80	0.75																	S383			H80	39	90	40	65	80	100	490	600	440	160	60	240	440	100	877	920	M20x400
	90L	1.50																																			97		
100L	2.20	115	976																																				

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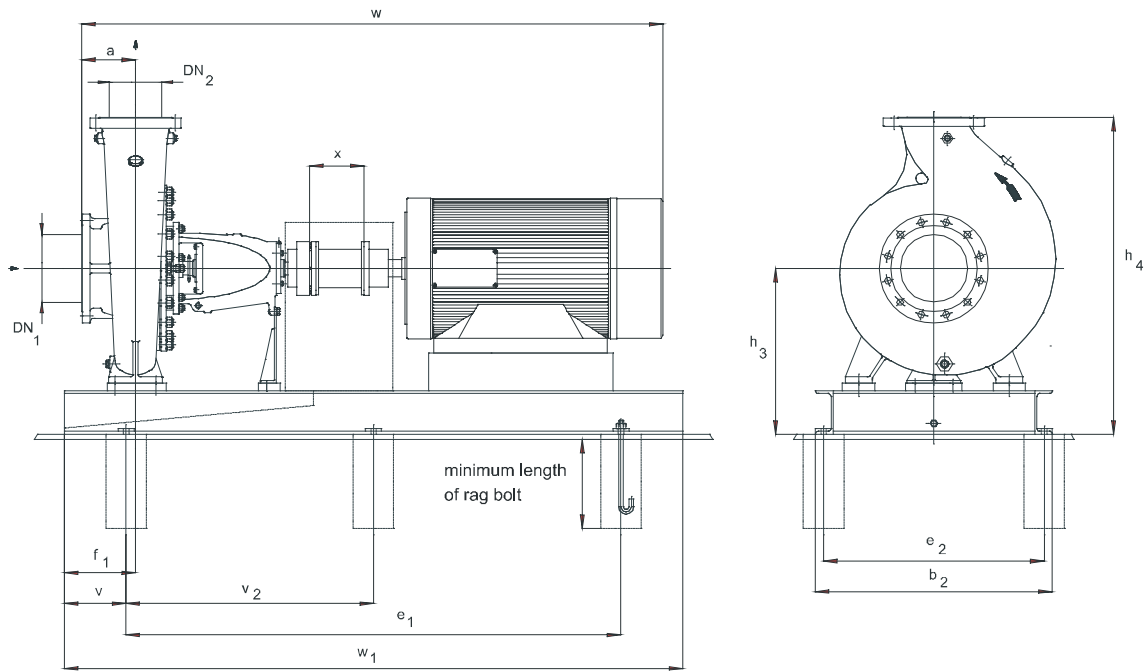
Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	x	w*	w ₁	Rag bolt								
	size	kW			pump	unit																						
65-200	90S	1.10	S383	H80	45	107	65	80	100	490	600	440	160	75	260	485	140	935	920	M20x400								
	90L	1.50				111												935										
	100L	2.20				119												976										
	100L	3.00				127												976										
	112M	4.00				127												997										
65-250	100L	2.20	S605	H80	70	159	80	100	125	730	740	670	190	90	300	550	140	1086	1120	M24x400								
	112M	4.00				167												1086										
	132S	5.50	S435	H95	92	196												540	490	200	280	530	1183	1140	M20x400			
	132M	5.50	S486			237												610	840	550	205	325	605	1208	1250	M24x400		
65-315	160M	11.00	S607	H110	92	270	80	100	125	730	940	670	230	90	325	605	140	1326	1400	M24x400								
	160L	15.00				290												1388										
	132S	5.50				237												1208										
80-160	80	0.75	S383	H80	43	102	80	100	125	490	600	440	160	75	260	485	140	902	920	M20x400								
	90S	1.10				105												960										
	90L	1.50				108												960										
	100L	2.20				117												1001										
	100L	3.00				119												1001										
80-200	90L	1.50	S434	H80	60	126	80	100	125	540	660	490	170	75	280	530	140	1070	1000	M24x400								
	100L	2.20	S605			H95												75	149		730	740	670	190	90	300	580	1111
	100L	3.00																	151									1132
	112M	4.00																	156									1208
132S	5.50	172		1208																								
80-250	100L	3.00	S486	H95	75	198	80	125	125	610	840	550	205	90	350	665	140	1111	1250	M24x400								
	112M	4.00				203												1132										
	132S	5.50				219												1208										
	132M	7.50				231												1234										
80-315	132S	5.50	S607	H110	95	240	80	125	125	730	940	670	230	90	350	665	140	1208	1400	M24x400								
	132M	7.50				252												1234										
	160M	11.00				273												1326										
	160L	15.00				293												1388										
80-400	160M	11.00	S607	H110	143	324	80	125	125	730	940	670	230	90	380	735	140	1383	1250	M24x400								
	160L	15.00				381												1383										
	180M	18.50				403												1507										
	180L	22.00				418												1507										
	200L	30.00				467												1565										
100-160	100L	2.20	S605	H80	78	168	80	125	125	730	740	670	190	90	300	580	140	1111	1120	M24x400								
	100L	3.00				170												1111										
	112M	4.00				175												1132										
	132S	5.50				204												1208										
100-200	100L	2.20	S605	H80	70	159	80	125	125	540	740	670	190	90	280	560	140	1111	1120	M24x400								
	100L	3.00				161												1111										
	112M	4.00				167												1132										
	132S	5.50				196												1208										
	132M	7.50				207												1234										
100-250	112M	4.00	S605	H80	85	214	80	125	125	730	740	670	190	90	300	580	140	1147	1120	M24x400								
	132S	5.50				230												1223										
	132M	7.50				241												1249										
	160M	11.00				262												1341										
	160M	11.00				282												1341										
100-315	160L	15.00	S607	H110	104	302	80	125	125	730	940	670	230	90	350	665	140	1403	1400	M24x400								
	180M	18.50				322												1465										
	180L	22.00				339												1465										
	160L	15.00				417												1398										
100-400	180M	18.50	S608	H140	177	439	80	125	125	730	940	670	230	110	380	735	140	1522	1400	M24x400								
	180L	22.00				454												1522										
	200L	30.00				502												1580										
	225S	37.00				553												1617										
	225M	45.00				574												1617										
125-200	132M	7.50	S486	H95	100	257	80	125	150	140	730	940	670	230	110	380	735	140	1249	1250	M24x400							
	160M	11.00				278													1341									
	160L	15.00				298													1403									
	132M	7.50				259													1249									
125-250	160M	11.00	S607	H110	102	280	80	125	150	140	730	940	670	230	110	380	735	140	1341	1400	M24x400							
	160L	15.00				300													1403									
	160L	15.00				390													1398									
	180M	18.50				412													1522									
125-315	180L	22.00	S608	H140	151	426	80	125	150	140	730	940	670	230	110	380	735	140	1522	1400	M24x400							
	200L	30.00				475													1580									
	225S	37.00				526													1617									
	200L	30.00				514													1580									
	225S	37.00				564													1617									
125-400	225M	45.00	S608	H160	188	585	80	125	150	140	730	940	670	230	110	380	780	140	1617	1600	M24x400							
	250M	55.00				817													1740									
	280S	75.00				1054													1815									
	200L	30.00				514													1580									
	225S	37.00				564													1617									
150-200	132M	7.50	S606	H95	123	296	80	125	200	160	730	940	670	230	110	380	780	140	1269	1250	M24x400							
	160M	11.00				329													1361									
	160L	15.00				348													1423									
	180M	18.50				368													1485									
150-250	160L	15.00	S607	H110	128	354	80	125	200	160	730	940	670	230	110	380	780	140	1423	1400	M24x400							
	180M	18.50				374													1485									
	180L	22.00				391													1485									
150-250	200L	30.00	S607	H140	128	454	80	125	200	160	730	940	670	230	110	380	780	140	1543	1400	M24x400							
	200L	30.00				454													1543									

Designs are subject to amendment without prior notice.

Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	x	w*	w ₁	Rag bolt					
	size	kW			pump	unit																			
150-315	180L	22.00	S607	H110	170	446	150	200	160	730	940	670	230	110	380	780	140	1542	1400	M24x400					
	200L	30.00		H125		495												1600							
	225S	37.00		H140		546												1637							
	225M	45.00	S608	H140		567												270	170		200	455	905	1760	1600
	250M	55.00		H160		798																		1835	
150-400	225M	45.00	S608	H140	205	603	160	730	1060	1460	680	170	200	455	905	180	1637	1800	M16x200						
	250M	55.00		H160		835											1760								
	280S	75.00		180x73x x14		H180											1072			1835					
	280M	90.00	H180			1125											1835								
	200-250	160L	15.00	S608		H110											230			492	200	200	160	730	1060
180M		18.50	512		1642																				
180L		22.00	527		1642																				
200L		30.00	H125		576	1700																			

* Motor protection type IP 55, dimensions depend on the motor manufacturer.
Dimensions listed are taken from the SIEMENS catalogue.

Foundation plan for units with spacer type coupling, bearing brackets 55 and 65.



Dimensions in mm

Tolerances for welded parts acc. to DIN 8570 B

n = 1450 rpm

Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	v	e ₁	e ₂	v ₂	f ₁	h ₃	h ₄	x	w*	w ₁	Rag bolt																
	size	kW			pump	unit																															
150-500	180L	22.0	185x81x12	H125	335	677	150	200	180	810	190	1470	760	735	235	550	1050	180	1742	1850	M16 x200																
	200L	30.0	192x82x14																			757															
	225S	37.0	196x82x14	H140																		820	190	1580	770	790	240	570	1070	1837	1960						
	225M	45.0																				850	190	830	2035	2150											
	250M	55.0	208x82x14	H160																		961	210	1660	770	865	2035	2150	2170	2300							
	280S	75.0	215x82x14	H180																		1143	210	1730	770	865	2035	2150	2170	2300							
	280M	90.0	230x83x16	H200																		1193	230	1840	770	920	2170	2300	2170	2300							
	315S	110																				1406	230	1840	770	920	2170	2300									
	315M	132	244x83x16	H200																		1486	250	1940	770	970	2310	2440	2310	2440							
	315L	160																				1644	250	1940	770	970	2310	2440									
	315L	200	256x87x16	H225																		1784	250	2060	810	1030	2430	2560	2430	2560							
	315	250																				1625	250	2060	810	1030	2430	2560									
200-315	180L	22.0	187x72x12	H125	310	715	200	200	720	190	1490	670	745	255	505	955	180	1762	1870	M18 x200																	
	200L	30.0	194x73x14																		715																
	225S	37.0	198x73x14	H140																	730	190	1560	680	780	260	525	975	1820	1940							
	225M	45.0	210x73x14	H160																	730	190	1600	680	800	1857	1980	2055	2170								
	250M	55.0																			810	210	1680	680	840	1980	2100										
	280S	75.0	217x74x14	H180																	1102	740	210	1750	690	875	2055	2170	1980	2100							
	180L	22.0	185x72x12	H125																	340	669	200	250	180	720	190	1470	670	735	235	505	1005	180	1742	1850	M16 x200
	200L	30.0	192x73x14																																		
225S	37.0	196x73x14	H140	730	190	1580	680	790	240	525	1025	1837	1960																								
225M	45.0	208x73x14	H160	730	190	1580	680	790	240	525	1025	1837	1960																								
250M	55.0			810	210	1660	680	830	1960	2080																											
280S	75.0	215x74x14	H180	1132	740	210	1730	690	865	2035	2150	2035	2150																								
280M	90.0	230x82x16	H200	1182	210	1730	690	865	2035	2150	2035	2150																									
315S	110			1409	230	1840	690	920	2170	2300																											
315M	132	244x82x16	H200	1489	230	1840	690	920	2170	2300	2170	2300																									
315L	160			1644	250	1940	690	970	2310	2440																											
315L	200	256x87x16	H225	1784	250	1940	690	970	2310	2440	2310	2440																									
315	250			1630	250	2060	810	1030	2430	2560																											
200-500	225M	45.0	198x84x14	H140	395	920	200	200	840	190	1600	790	800	260	595	1155	180	1857	1980	M16 x200																	
	250M	55.0	210x84x14	H160																	1031	210	1680	790	840	2055	2170	2055	2170								
	280S	75.0	217x84x14	H180																	1212	210	1750	790	875	2055	2170	2055	2170								
	280M	90.0	232x85x16	H200																	1262	210	1750	790	875	2055	2170	2055	2170								
	315S	110																			1474	230	1860	790	930	2190	2320										
	315M	132	246x85x16	H200																	1554	230	1860	790	930	2190	2320	2190	2320								
	315L	160																			1709	250	1960	790	980	2330	2460										
	315L	200	258x87x16	H225																	1849	250	1960	790	980	2330	2460	2330	2460								
	315	250																			1685	250	2080	810	1040	2450	2580										
	315	315	281x98x18	H250																	1885	250	2080	810	1040	2450	2580	2450	2580								
	355	355																			1985	290	2230	920	1115	270	635	1195	2675	2810							

* Motor protection type IP 55, dimensions depend on the motor manufacturer. Dimensions listed are taken from the SIEMENS catalogue.

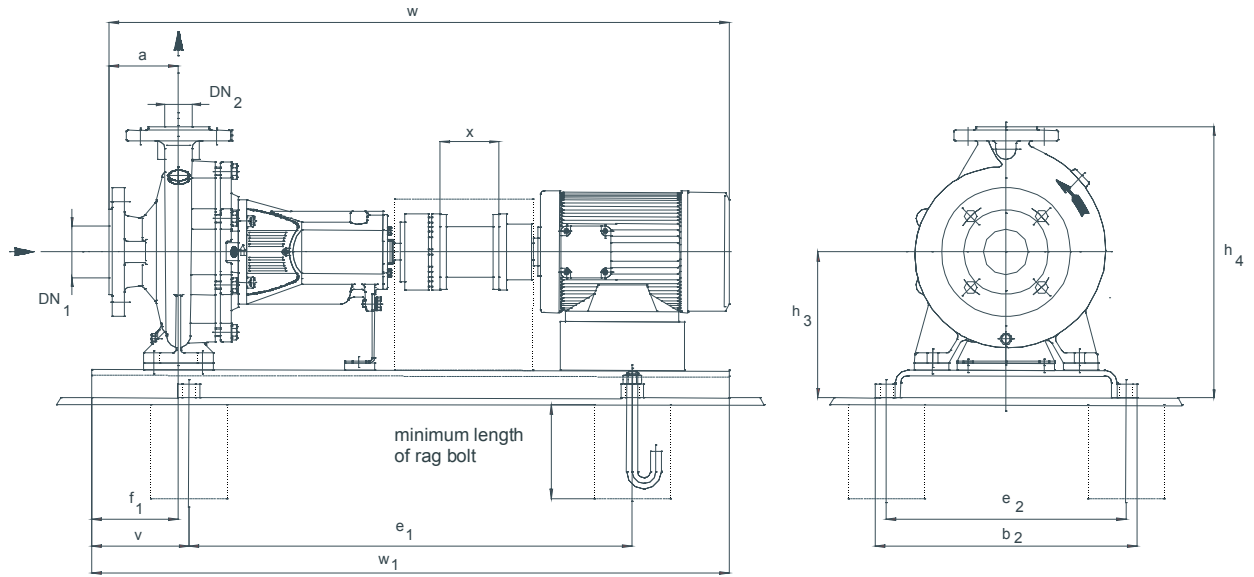
Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	v	e ₁	e ₂	v ₂	f ₁	h ₃	h ₄	x	w*	w ₁	Rag bolt												
	size	kW			pump	unit																											
250-300	225S	37	207x88x14	H140	416	898	250	300	305	880	210	1650	830	825	365	595	1145	180	1947	2070	M16x200												
	225M	45				928																											
	250M	55	219x88x14	H160		1044																									2070	2190	
	280S	75	226x88x14	H180		1225																									2145	2260	
250-315	200L	30	199x80x14	H125	424	846	250	300	250	800	190	750	805	310	545	1105	180	1870	1990	M164x200													
	225S	37	203x80x14	H140		906																									1907	2030	
	225M	45				936																									1907		
	250M	55	215x80x14	H160		1052																									2030	2150	
	280S	75	222x80x14	H180		1233																									2105	2220	
	280M	90				1283																									2105		
	315S	110	237x82x16	H200		1496																									2240	2370	M18x200
	315M	132				1576																									2240		
250-400	225S	37	208x88x14	H140	464	962	250	300	250	880	210	830	870	310	570	1170	180	1957	2080	M16x200													
	225M	45				991																									1957		
	250M	55	220x88x14	H160		1103																									2080	2200	
	280S	75	227x88x14	H180		1284																									2155	2270	
	280M	90				1334																									2155		
	315S	110	242x89x16	H200		1552																									2290	2420	M18x200
	315M	132				1632																									2290		
	315L	160	256x89x16			1787																									2430	2560	
	315L	200				1927																									2430		
	315	250	268x89x16	H225		1758																									2550	2680	
	315	315		H250		2158																									2550		
	355	355	291x98x18			2063																									2775	2910	
250-500	280S	75	227x93x14	H180	589	1431	250	300	250	930	230	880	905	310	620	1290	180	2155	2270	M16x200													
	280M	90				1480																									2155		
	315S	110	242x94x16	H200		1703																									2290	2420	M18x200
	315M	132				1780																									2290		
	315L	160	256x94x16			1933																									2430	2560	
	315L	200				2068																									2430		
	315	250	268x94x16	H225		1903																									2550	2680	
	315	315				2197																									2550		
	355	355	291x98x18	H250		2202																									2775	2910	
	355	400				2242																									2775		
300-400	225M	45	213X94X14	H140	620	1143	300	350	300	940	210	890	855	360	595	1265	180	2007	2130	M16x200													
	250M	55	225X94X14	H160		1243																									2130	2250	
	280S	75	232X94X14	H180		1466																									2205	2320	
	280M	90				1515																									2205		
	315S	110	247X95X16	H200		1733																									2340	2470	M18x200
	315M	132				1810																									2340		
	315L	160	261X95X16			1968																									2480	2610	
	315L	200				2103																									2480		
	315	250	273X95X16	H225		1949																									2600	2730	
	315	315				2248																									2600		
355	355	296X98X18	H250	2253														2825	2960														
355	400			2290														2825															
300-500	225M	45	213x102x14	H140	800	1263	300	350	300	1020	210	970	855	360	650	1320	180	2007	2130	M16x200													
	250M	55	225x102x14	H160		1471																									2130	2250	
	280S	75	232x102x14	H180		1654																									2205	2320	
	280M	90				1711																									2205		
	315S	110	247x103x16	H200		1925																									2340	2470	M18x200
	315M	132				2007																									2340		
	315L	160	261x103x16			2170																									2480	2610	
	315L	200				2313																									2480		
	315	250	273x103x16	H225		2720																									2600	2730	
	315	315				2938																									2600		
	355	355	296x104x18	H250		3372																									2825	2960	
	355	400				3474																									2825		
	355	500																															
	400	560	**	**		**					**							**	**		**	**	**	**	**	**	**	**	**	**	**	**	**
400	630																																
400	710																																

* Motor protection type IP 55, dimensions depend on the motor manufacturer.
Dimensions listed are taken from the SIEMENS catalogue.

** On request.

Designs are subject to amendment without prior notice.

Foundation plan for units with spacer type coupling, bearing brackets 25, 35 and 45



Dimensions in mm

Tolerances for welded parts acc. to DIN 8570 B

n = 2900 rpm

Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	x	w*	w ₁	Rag bolt		
	size	kW			pump	unit																
32-125	71	0.55	S272	H80	31	70	32	50	80	360	540	320	140	60	177	317	100	823	820	M16x200		
	80	0.75				71									857							
	80	1.10				73									915							
	90S	1.50				76									915							
	90L	2.20				79									915							
32-160	90S	1.50	S385	H80	33	78	32	50	80	490	740	440	200	60	212	372	100	915	1140	M20x400		
	90L	2.20				81									915							
	100L	3.00				89									915							
	112M	4.00				96									915							
32-200	90L	2.20	S385	H80	34	82	32	50	80	490	740	440	200	60	240	420	100	915	1140	M20x400		
	100L	3.00				90									956							
	112M	4.00				97									977							
	132S	5.50				121									1053							
	132S	7.50				131									1053							
32-250	132S	7.50	S385	H95	46	152	32	50	100	490	740	440	200	60	260	485	100	1073	1140	M20x400		
	160M	11.0				164									1191							
	160M	15.0				177									1191							
40-125	80	1.10	S385	H80	28	70	40	65	80	730	740	670	190	60	192	332	100	857	1140	M20x400		
	90S	1.50	S605			73									915							
	90L	2.20	S385			76									915							
	100L	3.00	S385			84									915							
40-160	90S	1.50	S385	H80	30	75	40	65	80	730	740	670	190	60	212	372	100	915	1140	M20x400		
	90L	2.20				78									915							
	100L	3.00				86									956							
	112M	4.00				93									977							
	132S	5.50				116									1053							
40-200	100L	3.00	S605	H80	36	101	40	65	100	730	740	670	190	60	232	392	100	976	1120	M24x400		
	112M	4.00				106									997							
	132S	5.50				123									1073							
	132S	7.50				133									1073							
	160M	11.00				164									1191							
40-250	132S	7.50	S385	H95	46	152	40	65	100	730	740	670	190	60	260	440	100	1073	1140	M20x400		
	160M	11.00				193									1191							
	160M	15.00				207									1191							
50-125	90S	1.50	S015	H80	30	75	50	65	100	361	600	325	160	60	182	342	100	935	920	M12x100		
	90L	2.20	S434			H95									78	935						
	132S	5.50	S303			H80									116	1073						
50-160	90L	2.20	S303	H80	36	93	50	65	100	390	600	350	160	60	225	405	100	935	920	M14x200		
	100L	3.00	S385			101				490	740	440	200		240	420		976			1140	M20x400
	112M	4.00	S303			108				390	600	350	160		225	405		997			920	M16x200
	132S	5.50	S434			123				540	660	490	170		240	420		1073			1000	M20x400
	132S	7.50	S605			133				730	740	670	190		260	440		1073			1000	M20x400
	160M	11.00	S605			164				730	740	670	190		260	440		1191			1120	M24x400
	160L	18.50	S385			225				490	600	325	160		260	485		1253			1140	M20x400

* Motor protection type IP 55, dimensions depend on the motor manufacturer. Dimensions listed are taken from the SIEMENS catalogue.

Size	Motor		Base plate No.	Cplg.	Weight kg		DN ₂	DN ₁	a	b ₂	e ₁	e ₂	v	f ₁	h ₃	h ₄	x	w*	w ₁	Rag bolt							
	size	kW			pump	unit																					
50-200	100L	3.00	S303	H80	40	105	50	65	100	390	600	350	160	60	225	425	100	976	920	M16							
	112M	4.00	S434			112												997	x200								
	132S	5.50		127		1073				1000	M20																
	132S	7.50		137						x400																	
	160M	11.00	S605	168		1191				1120	M24																
160M	15.00	182		1191	x400																						
50-250	160M	15.00	S385	H95	50	211	65	80	100	730	740	670	190	75	280	505	140	1191	1140	M20							
	160L	18.50				229												1253		x400							
	180M	22.00	S486			H110				250	1315	1250	M24														
	200L	30.00				H125				281	1373	x400															
65-125	100L	3.00	S383	H80	33	108	65	80	100	490	600	440	160	60	240	660	100	976	920	M20							
	112M	4.00	S385			115					740	200	1140					x400									
	132S	5.50	S434	130		540				660	490	170	60		240	660		1000	1073	1073	1073	1073	1191	1120	M24		
	132S	7.50		141															1191							x400	
132S	5.50	S605	H95	39	136	147	167	260	460	260	460	1191		1191	1191	1191	1191	1191	1120	M24							
132S	7.50																				167	1191	x400				
65-160	160M	11.00	S605	H95	45	192	65	80	100	730	740	670	190	75	280	505	140	1191	1140	M20							
	160M	15.00				206												1191			x400						
	160L	18.50	S385			H110				224	490	440	200		260	485		1253		1140	M20						
	180M	22.00								S486	H125	240	610		840	550		205		280	505	1315	1250	M24			
	200L	30.00	300			525					1373	1373	1373		1373	1373		1373		1373	1373	1373	1373	1373	1373	1373	1373
65-200	160L	18.50	S607	H95	70	264	80	100	125	730	940	670	230	90	300	550	140	1363	1400	M24							
	180M	22.00				H110												280			1425	1425	1425	1425	1425	1425	1425
	200L	30.00	H125	335		1483				1483	1483	1483	1483		1483	1483		1483		1483	1483	1483	1483	1483	1483	1483	1483
	200L	37.00		335		1483				1483	1483	1483	1483		1483	1483		1483		1483	1483	1483	1483	1483	1483	1483	1483
	225M	45.00	S608	H125		414				1060	270	325	575		1513	1600		1513		1600	1513	1600	1513	1600	1513	1600	1513
80-160	132S	7.50	S605	H95	43	149	80	100	125	730	740	670	190	75	280	505	140	1098	1120	M24							
	160M	11.00	S385			190												1216	1140	M20							
	160M	15.00		H110		204				1216	1140	M20															
	160L	18.50	222			1278				1340	M24																
	180M	22.00	S486	H95		237				505	1340	M24															
160M	15.00	S436		H110	227	280	530	1326	1250	x400																	
160L	18.50		253		1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388							
80-200	180M	22.00	S607	H110	60	269	80	100	125	540	940	670	230	90	260	510	140	1450	1270	M20							
	200L	30.00				H125												324	1508	1508	1508	1508	1508	1508	1508	1508	1508
	200L	37.00	S608	H125		348				300	580	1450	1400		M24												
	180M	22.00				295				350	1508	1508	1508		1508	1508		1508	1508	1508	1508	1508	1508	1508	1508	1508	
	200L	30.00	350	1060		270				325	605	1538	1600		1538	1600		1538	1600	1538	1600	1538	1600	1538	1600		
250M	55.00	H140	655	350	630	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668	1668								
100-160	160L	18.50	S607	H95	78	272	100	125	140	940	940	670	230	90	300	580	140	1388	1400	M24							
	180M	22.00				H110												288			1450	1450	1450	1450	1450	1450	1450
	200L	30.00	H125	343		1508				1508	1508	1508	1508		1508	1508		1508		1508	1508	1508	1508	1508	1508	1508	1508
	200L	37.00		367		1508				1508	1508	1508	1508		1508	1508		1508		1508	1508	1508	1508	1508	1508	1508	1508
	160L	18.50	S608	H125		264				1060	270	1388	1388		1388	1388		1388		1388	1388	1388	1388	1388	1388	1388	1388
180M	22.00	280			1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450							
200L	30.00	S609A	H160	335	940	230	1450	1400	M24																		
200L	37.00			359	1060	270	1508	1508	1508	1508	1508	1508	1508	1508	1508	1508	1508	1508	1508	1508							
225M	45.00	445	1060	270	1538	1600	1538	1600	1538	1600	1538	1600	1538	1600	1538	1600	1538	1600	1538								
100-200	200L	30.00	S607	H125	85	350	100	125	140	940	940	670	230	90	325	605	140	1523	1400	M24							
	200L	37.00				374												1523	1400		1523	1400	1523	1400	1523	1400	1523
	225M	45.00	S608	H140		461				1060	270	1553	1600		1553	1600		1553	1600	1553	1600	1553	1600	1553	1600	1553	
	250M	55.00				666				744	1200	696	300		350	630		1683	1683	1683	1683	1683	1683	1683	1683	1683	1683
	280S	75.00	S609A	H160		850				744	1200	696	300		380	660		1783	1800	1783	1800	1783	1800	1783	1800	1783	
280M	90.00	892	744	1200	696	300	380	660	1783	1800	1783	1800	1783	1800	1783	1800	1783	1800	1783								
100-250	200L	30.00	S607	H125	85	350	100	125	140	940	940	670	230	90	325	605	140	1523	1400	M24							
	200L	37.00				374												1523	1400		1523	1400	1523	1400	1523	1400	1523
	225M	45.00	S608	H140		461				1060	270	1553	1600		1553	1600		1553	1600	1553	1600	1553	1600	1553	1600	1553	
125-200	250M	55.00	S608	H140	100	682	125	150	140	730	1060	670	270	90	350	665	140	1683	1600	M24							
	280S	75.00	S609A	H160		865												744	1200		696	300	380	695	1783	1800	1783
	280M	90.00	907	744		1200				696	300	380	695		1783	1800		1783	1800	1783	1800	1783	1800	1783	1800	1783	
	280M	90.00	907	744		1200				696	300	380	695		1783	1800		1783	1800	1783	1800	1783	1800	1783	1800	1783	

* Motor protection type IP 55, dimensions depend on the motor manufacturer.
Dimensions listed are taken from the SIEMENS catalogue.

Designs are subject to amendment without prior notice.

Data regarding size - order information

Type	Size	Hydraulic + Bearing	Shaft Seal	Material	Casing Gasket
		<ul style="list-style-type: none"> A• First hydraulic B• Second hydraulic D• Double volute •B Two ball bearings greased for life (ZZ) •C Two ball bearings oil lubricated •S One double row angular contact bearing plus one ball bearing, grease lubricated •T One double row ball bearing plus ball bearing, oil lubricated •2 Oil lubrication configurations with CLO 	<p>041: Self-sealed, uncooled packing rings 052: Uncooled packing rings, external seal liquid AF3: Balanced mechanical seal, seal face materials SiC/Carbon, elastomer EPDM BJ3: Unbalanced bellows mechanical seal, seal face materials SiC/Carbon, elastomer EPDM C23: Unbalanced bellows mechanical seal, seal face materials SiC/Carbon, elastomer EPDM AFS: Balanced mechanical seal, seal face materials SiC/ SiC, elastomer FPM (Viton) BJS: Unbalanced bellows mechanical seal, seal face materials SiC/ SiC, elastomer FPM (Viton) C2S: Unbalanced bellows mechanical seal, seal face materials SiC/ SiC, elastomer FPM (Viton) AFK: Balanced mechanical seal, seal face materials SiC/carbon, elastomer FPM (Viton) double PTFE (Teflon) wrapped BJJ: Unbalanced bellows mechanical seal, seal face materials SiC/Carbon, elastomer FPM (Viton) C2J: Unbalanced bellows mechanical seal, seal face materials SiC/Carbon, elastomer FPM (Viton)</p> <p>AX3,AXS,AXK: AF3,AFS,AFK plus quench AY3,AYS,AYK: AF3,AFS,AFK. plus heating A93,A9S,A9K: AF3,AFS,AFK plus external flushing</p>	<p>0B: Cast iron GG25</p> <p>0C: Cast iron GG25 Bronze G-CuSn10 impeller</p> <p>0E: Cast iron GG25 stainless steel 1.4408 impeller</p> <p>4B: Stainless steel 1.4408</p>	<p>2: Confined flat gasket of EWP 210 material</p> <p>4: Confined flat gasket of PTFE.</p>
ZLND	32125	AB, AC or A2	Alternatively	Alternatively	Alternatively
	32160	AB, AC, A2, BB,BC or B2			
	32200	AB, AC, A2, BB,BC or B2			
	32250				
	40125				
	40160				
	40200				
	40250				
	40315				
	50125				
	50160				
	50200				
	50250				
	50315				
	65125				
	65160				
	65200				
	65250				
	65315				
	80160				
	80200				
	80250	AB, AC or A2			
	80315				
	80400				
	100160				
	100200				
	100250				
	100315				
	100400				
	125200				
	125250				
	125315				
	125400				
	150200				
	150250				
	150315				
	150400				
	150500	AS, AT or A2			
	200250	AB, AC or A2			
	200315	AS, AT or A2			
200400					
200500	DS, DT or D2				
250300					
250315	AS, AT or A2				
250400					
250500	DS, DT or D2				
300400					
300500					

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