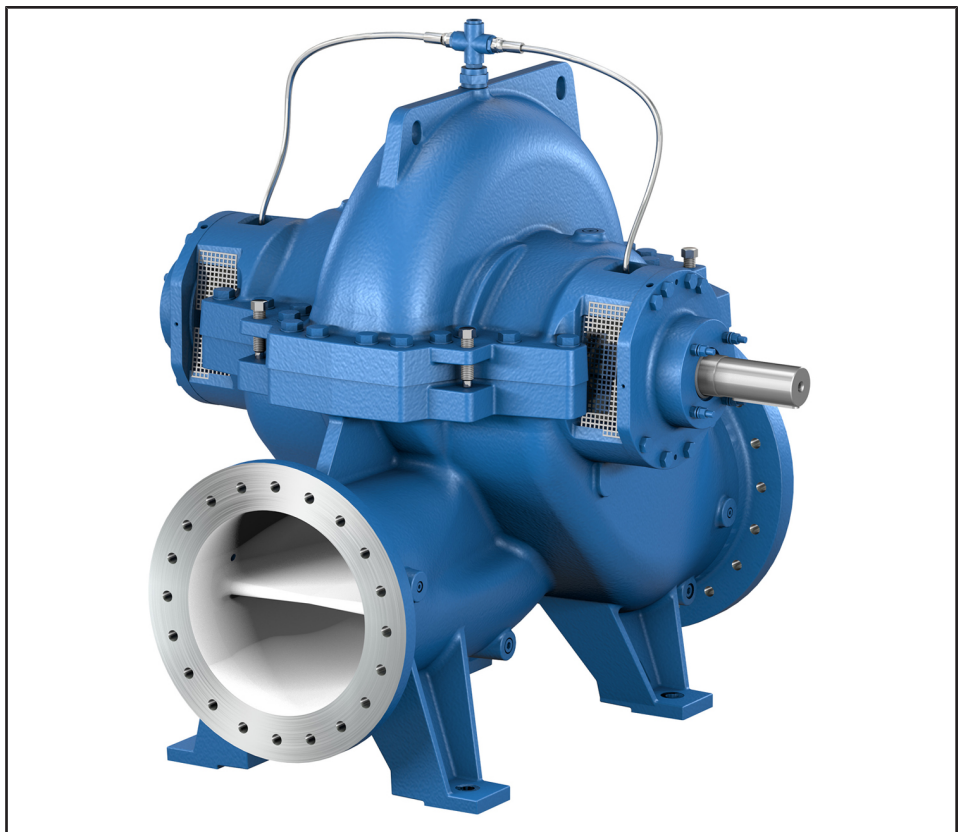


Axially Split Volute Casing Pump

RDLO / RDLO V

**General Arrangement
Drawings**



Legal information/Copyright

General Arrangement Drawings RDLO / RDLO V

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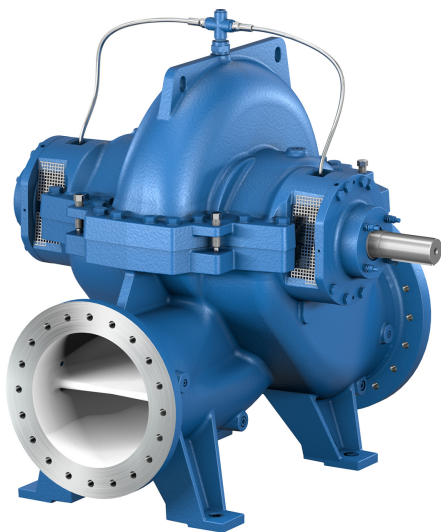
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Water Supply

Axially Split Volute Casing Pump

RDLO / RDLO V



Designation

Example: RDLO V 350-690 A GB P M

Designation key

Code	Description
RDLO	Type series
V	Design
	1) Horizontal installation
V	Vertical installation
350	Nominal discharge nozzle diameter [mm]
690	Nominal impeller diameter [mm]
A	Impeller type
	A, B
GB	Material variant
GB	Grey cast iron / bronze
GC	Grey cast iron / chrome steel
SB	Nodular cast iron / bronze
SC	Nodular cast iron / chrome steel
DD ₃₅	Duplex stainless steel / duplex stainless steel
P	Shaft seal
P	Gland packing
G	Mechanical seal
M	Bearing lubrication
F	Grease
M	Fluid handled
O	Oil lubrication

1) Blank

Connections

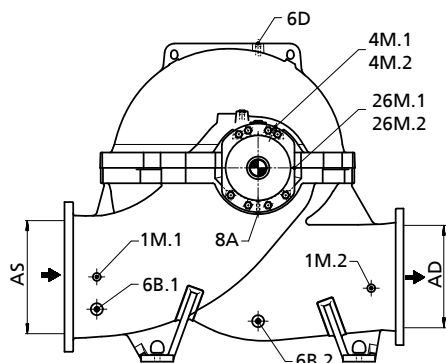


Fig. 1: Connections of a horizontally installed RDLO pump

Connections and threads of an RDLO pump

Connection	Description	Quantity	Thread
AS	Connection on the suction side of the pump	1	-
AD	Connection on the discharge side of the pump	1	-
1M.1	Connection for pressure measurement on the suction side	2	G 1/2
1M.2	Connection for pressure measurement on the discharge side	2	G 1/2
4M.1	Connection for temperature measurement at the drive end	1	G 1/2
4M.2	Connection for temperature measurement at the non-drive end	1	G 1/2
6B.1	Connection for pump drain on the suction side	2	G 1
6B.2	Connection for pump drain on the discharge side	2	G 1
6D	Connection for venting the pump	1	G 1
8A	Connection for leakage drain	2	G 3/4
26M.1	Connection for vibration measurement at the drive end	1	M8
26M.2	Connection for vibration measurement at the non-drive end	1	M8

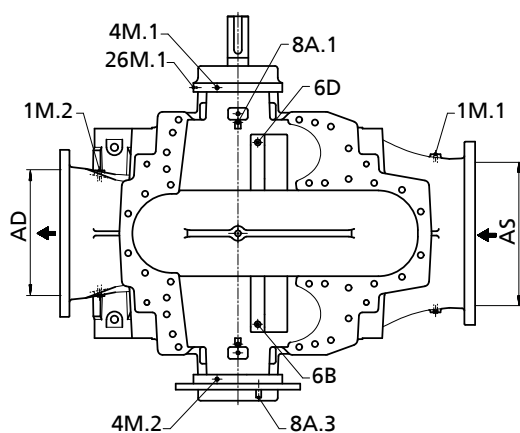


Fig. 2: Connections of a vertically installed RDLO V pump

Connections and threads of an RDLO V pump

Connection	Description	Quantity	Thread
AS	Connection on the suction side of the pump	1	-
AD	Connection on the discharge side of the pump	1	-
1M.1	Connection for pressure measurement on the suction side	2	G 1/2
1M.2	Connection for pressure measurement on the discharge side	2	G 1/2
4M.1	Connection for temperature measurement at the drive end	1	G 1/2
4M.2	Connection for temperature measurement at the non-drive end	1	G 1/2
6B	Connection for pump drain	1	G 1
6D	Connection for venting the pump	1	G 1
8A.1	Connection for leakage drain	1	G 1/2
8A.3	Connection for leakage drain	1	G 3/4
26M.1	Connection for vibration measurement at the drive end	1	M8

Installation types

Fig.0

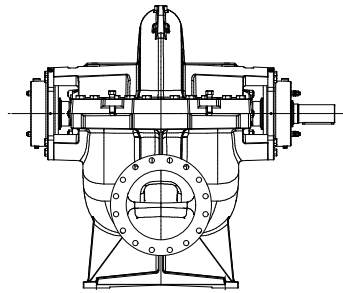


Fig. 3: Fig.0: Bare shaft pump

Options of installation parts:

- No optional equipment

Coupling options:

- Torsionally flexible 3-piece jaw coupling
- Torsion-resistant flexible disc coupling

Coupling guard options:

- Light-duty design, not tread-proof

Delivery/transport:

- Pump

2E

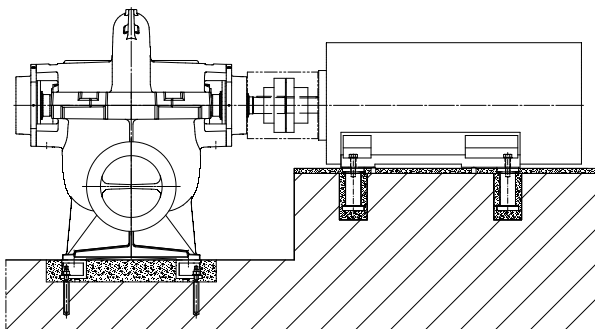


Fig. 4: 2E: pump and motor on foundation rails

Options of installation parts:

- Foundation rails for the pump, including chemical anchors, and foundation blocks for the motor
- Foundation rails for the pump, including chemical anchors

Coupling options:

- Torsionally flexible 3-piece jaw coupling
- Torsion-resistant flexible disc coupling with spacer

Coupling guard options:

- Light-duty design, not tread-proof

Delivery / transport:

- Pump and motor are supplied as separate units.

3E

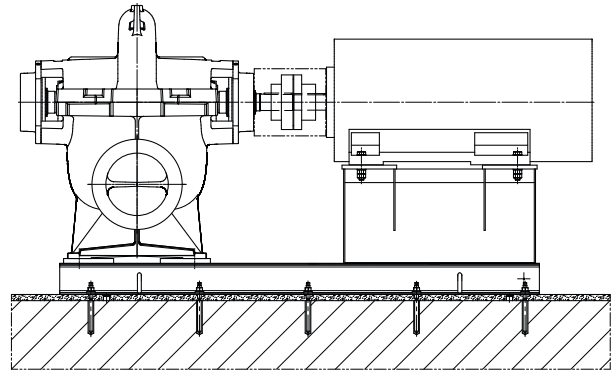


Fig. 5: 3E: Pump and motor on a common base frame

Options of installation parts:

- Base frame for pump and motor, including chemical anchors
- Special base frame for pump and motor, including chemical anchors

Coupling options:

- Torsionally flexible 3-piece jaw coupling
- Torsion-resistant flexible disc coupling with spacer²⁾

Coupling guard options:

- Light-duty design, not tread-proof
- Heavy-duty design, tread-proof

Delivery / transport:

- Pump, motor and base frame are supplied as separate units.

4E

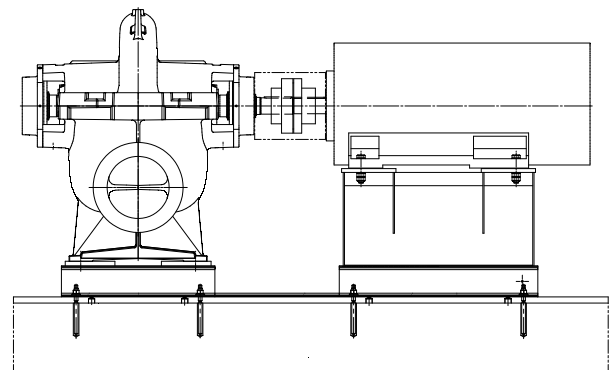


Fig. 6: 4E: Pump and motor on separate base frames

Options of installation parts:

- Base frame for the pump and base frame for the motor, including chemical anchors (without drip tray)
- Base frame for the pump, including chemical anchors (without drip tray)

Coupling options:

- Torsionally flexible 3-piece jaw coupling
- Torsion-resistant flexible disc coupling with spacer

Coupling guard options:

- Light-duty design, not tread-proof

Delivery / transport:

- Pump, motor and base frame are supplied as separate units.

2) On request only

DJ

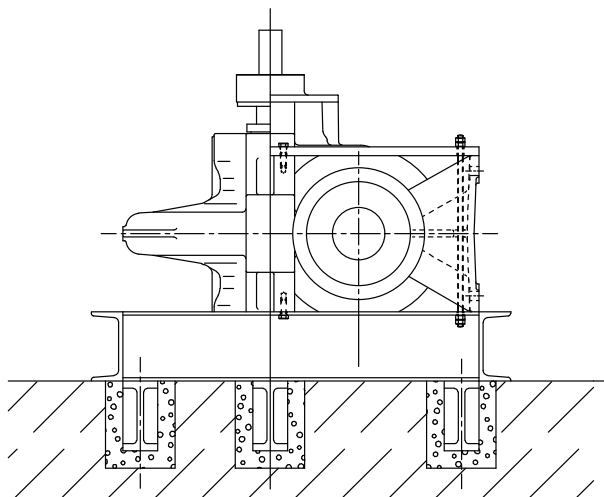


Fig. 7: DJ: Pump and motor on separate levels

Options of installation parts:

- Pump base frame (pump foot) including chemical anchors
- Pump base frame (pump foot) including chemical anchors, motor support frame, foundation rails and chemical anchors³⁾

Coupling options:

- Cardan shaft³⁾
- Coupling with spacer³⁾

Coupling guard options:

- Light-duty design, not tread-proof

Delivery / transport:

- Pump on corresponding pump base frame (pump foot), motor and motor support frame are supplied as separate units.

DP

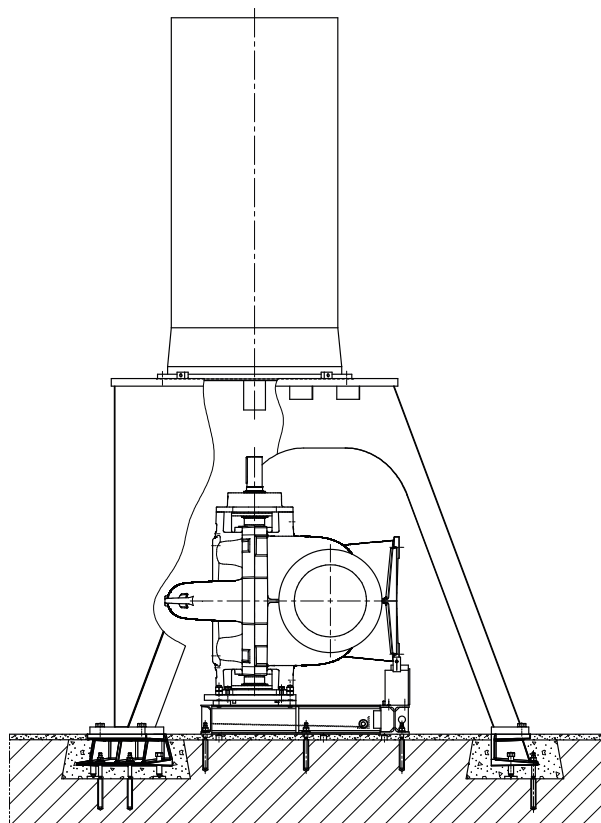


Fig. 8: DP: motor on separate drive lantern

Options of installation parts:

- Pump base frame (pump foot) including chemical anchors, and drive lantern (including foundation rails and chemical anchors)

Coupling options:

- Torsion-resistant flexible disc coupling with spacer

Coupling guard options:

- Light-duty design, not tread-proof

Delivery / transport:

- Pump with pump base frame (pump foot), motor and drive lantern supplied as individual units

3) On request only

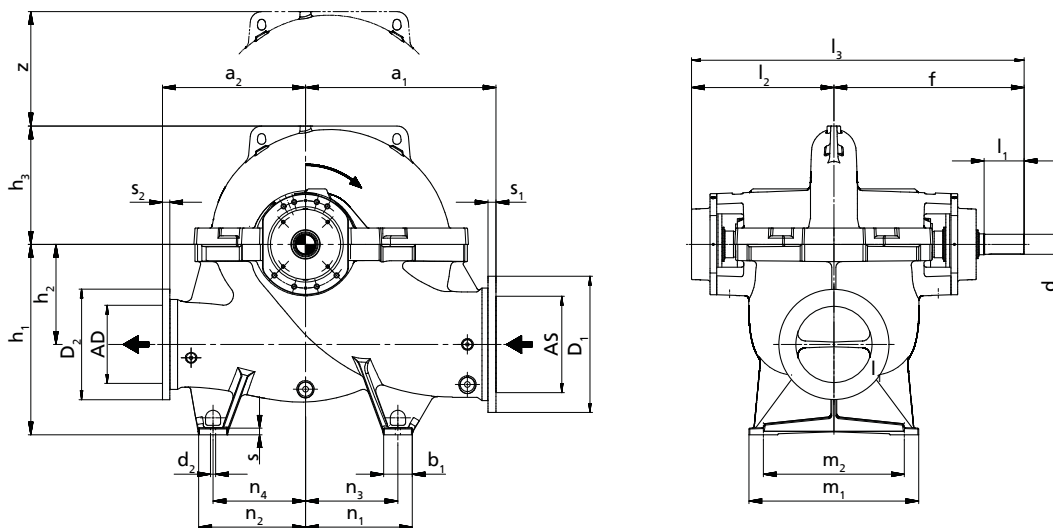
General arrangement drawings

2E, 3E, 4E, DP

The dimensions of installation types 2E / 3E / 4E and DP are largely influenced by the motor and coupling used. A binding general arrangement drawing will be provided on request and against provision of a binding motor outline drawing only. Up to a max. motor rating of 1000 kW (IEC standard), individual installation variants are documented for installation type 3E (⇒ Page 10) .

Fig.0

Dimensions of a horizontally installed RDLO pump, Fig.0



AS, AD, D_1 , D_2 , s_1 , s_2 : (⇒ Page 31)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155-h₆

Information on installation:

This drawing is not to true to scale; it serves as an example only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction and discharge nozzle. The pump must not be connected with unbraced expansion joints.

Pump dimensions

Size	a_1	a_2	f	h_1	h_2	h_3	l_2	l_3	z
	[mm]								
0350-0575	900	700	956	900	475	550	720	1676	550
0350-0690	900	750	956	900	475	550	720	1676	550
0350-0850	1000	900	998	1000	575	650	747	1745	650
0400-0525	750	700	998	900	475	530	747	1745	530
0400-0580	900	700	956	900	475	515	720	1676	515
0400-0665	1000	750	998	1000	525	620	747	1745	620
0400-0705	900	800	956	900	450	570	720	1676	570
0400-0880	1000	1000	1116	1000	550	645	822	1938	645
0400-0935	1050	1000	956	1000	550	650	720	1676	650
0500-0525	1000	750	998	1000	525	600	747	1745	600
0500-0585	1100	800	1098	1100	550	680	847	1945	680
0500-0685	1100	800	1098	1100	575	670	847	1945	670
0500-0835	1150	1100	1166	1100	575	690	872	2038	690

Size	a ₁	a ₂	f	h ₁	h ₂	h ₃	l ₂	l ₃	z
	[mm]								
0500-0860	1200	900	1166	1200	700	775	872	2038	775
0500-1015	1200	1100	1166	1200	725	750	872	2038	750
0500-1035	1250	1100	1166	1200	700	800	872	2038	800
0600-0600	1200	900	1098	1200	675	770	847	1945	770
0600-0705	1150	1000	1098	1100	575	715	847	1945	715
0600-0885	1300	1100	1280	1300	750	790	926	2206	790
0600-1075	1250	1200	1280	1300	750	850	926	2206	850
0700-0980	1500	1250	1365	1500	850	920	1011	2376	920

Dimensions of pump foot and shaft

Size	Pump foot									Shaft		Pump	Water fill
	b ₁	d ₂	m ₁	m ₂	n ₁	n ₂	n ₃	n ₄	s	d ₁	l ₁		
	[mm]									[mm]		[kg] ⁴⁾	
0350-0575	150	35	780	630	560	560	485	485	35	95	210	2705	390
0350-0690	150	35	780	630	560	560	485	485	35	95	210	2965	400
0350-0850	150	35	890	740	640	640	565	565	35	105	210	4000	550
0400-0525	150	35	890	740	560	560	485	485	35	105	210	2600	510
0400-0580	150	35	890	740	560	560	485	485	35	95	210	2790	430
0400-0665	150	35	860	740	560	560	485	485	35	105	210	3415	620
0400-0705	150	35	750	630	640	640	565	565	35	95	210	2840	500
0400-0880	150	38	890	740	725	725	650	650	35	125	250	4265	630
0400-0935	150	35	840	690	640	640	565	565	35	95	210	3750	620
0500-0525	150	35	890	740	560	560	485	485	35	95	210	3000	733
0500-0585	150	35	1050	900	640	640	565	565	35	105	210	4560	960
0500-0685	150	35	1050	900	640	640	565	565	35	105	210	4510	930
0500-0835	200	42	1070	870	850	850	750	750	40	125	250	5050	970
0500-0860	200	42	1070	870	725	725	625	625	40	125	250	5390	1120
0500-1015	200	42	1070	870	850	850	750	750	40	125	250	6030	1050
0500-1035	200	42	1070	870	850	850	750	750	40	125	250	5900	1250
0600-0600	200	35	1070	870	725	725	625	625	40	105	210	5020	1390
0600-0705	200	35	1090	870	725	725	625	625	40	105	210	5150	1230
0600-0885	200	42	1070	870	850	850	750	750	40	145	290	6200	1530
0600-1075	200	42	1150	950	850	850	750	750	40	145	290	7475	1570
0700-0980	200	42	1340	1140	850	850	750	750	40	145	290	8865	2180

4) The weights indicated are for orientation only; they may differ depending on the material variant. For material variant DD_{as} the indicated pump weights must be multiplied by 1.08.

3E

RDLO 0350-0575 to 0350-0690

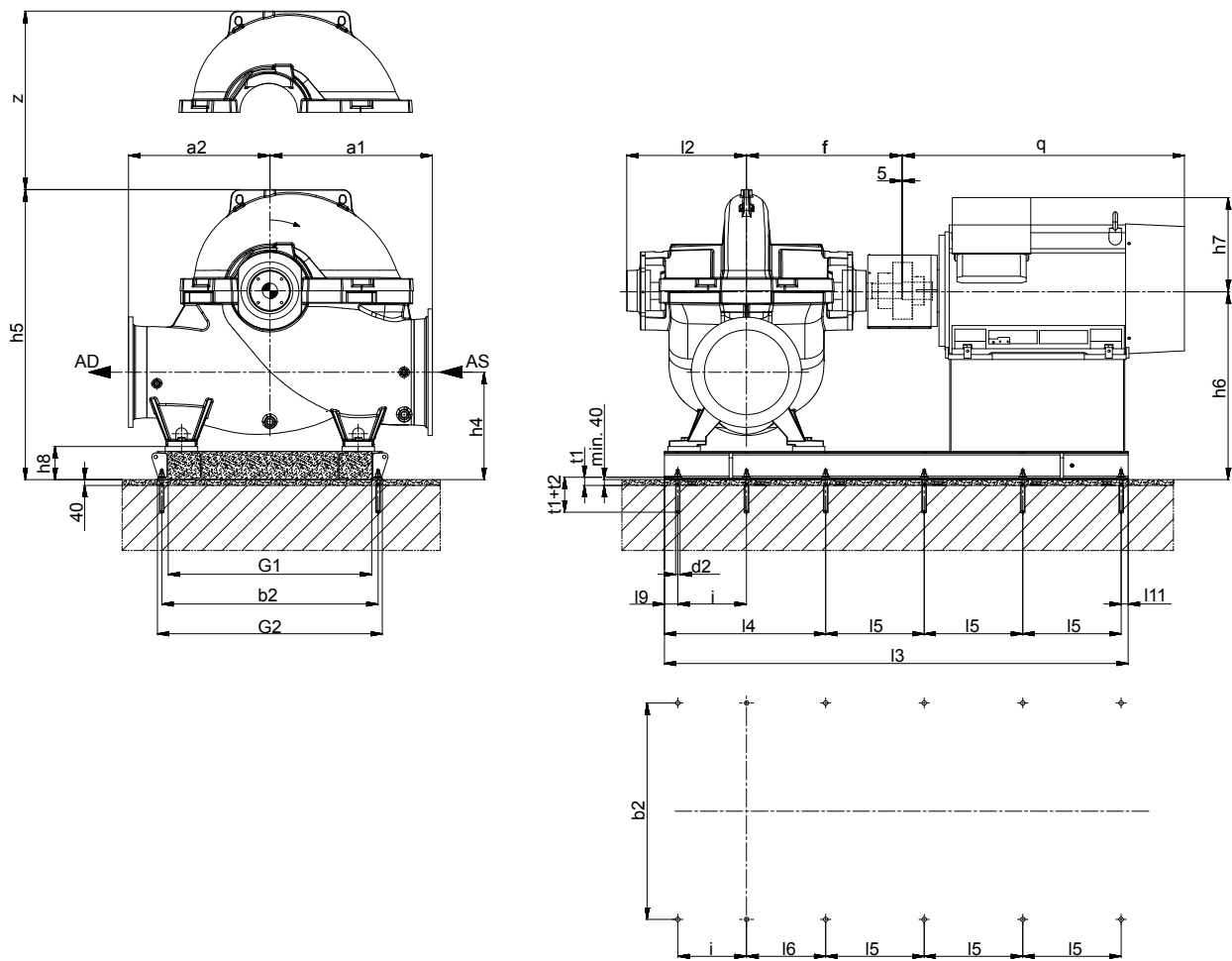


Fig. 9: Installation type 3E

AS, AD, D_1 , D_2 , s_1 , s_2 : (⇒ Page 31)

t_1 , t_2 , d_2 : (⇒ Page 28)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155- h_6

Information on installation:

This drawing is not true to scale; it serves as an example only. The dimensions apply to KSB standard motors (up to and including IEC 315M) and Siemens motors (IEC 315L and above) only. They are only valid if an N-Eupex coupling (without spacer) is used. A binding general arrangement drawing will be provided on request and against provision of a binding motor outline drawing only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction nozzle and at the discharge nozzle. The pump must not be connected with unbraced expansion joints.

Grout all areas of the baseplates completely with non-shrinking concrete. Observe the required compressive strength class C25/30 of the concrete in exposure class XC1 as per EN 206-1.

1387.391/07-EN

Pump dimensions

Size	a ₁	a ₂	f	h ₁	h ₂	h ₃	l ₂	z	Pump	Water fill
	[mm]								[kg]	
0350-0575	900	700	956	900	475	550	720	550	2705	390
0350-0690	900	750	956	900	475	550	720	550	2965	400

Dimensions of baseplate and foundation, motor and weights; chemical anchors: M24 × 300, quantity = 12 nos.

Size	Motor	Power P ₂ 50 Hz [kW]	Number of poles	Baseplate No. RD3E501_...	Baseplate and foundation																Motor		Baseplate	Motor
					b ₂	G ₁	G ₂	l ₃	l ₄	l ₅	l ₆	l ₉	l ₁₁	h ₄	h ₅	h ₆	h ₈	L	i	q	h ₇			
					[mm]																[mm]			
0350-0575	315L	200	4	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1402	515	429	1190	
0350-0575	315L	250	4	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1312	540	429	1290	
0350-0575	315L	315	4	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1422	540	429	1560	
0350-0575	355M	355	4	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2020	
0350-0575	355L	400	4	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2110	
0350-0575	355L	500	4	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2290	
0350-0575	400	560	4	05	1200	1110	1260	2825	830	650	405	60	45	655	1680	1130	230	320	365	1835	785	487	2800	
0350-0575	400	630	4	05	1200	1110	1260	2825	830	650	405	60	45	655	1680	1130	230	320	365	1835	865	487	3000	
0350-0575	400	710	4	05	1200	1110	1260	2825	830	650	405	60	45	655	1680	1130	230	320	365	1835	785	487	3200	
0350-0575	450	800	4	06	1200	1110	1260	2971	830	700	405	60	41	655	1680	1130	230	320	365	1995	820	510	3900	
0350-0575	450	900	4	06	1200	1110	1260	2971	830	700	405	60	41	655	1680	1130	230	320	365	1995	820	510	4100	
0350-0575	450	1000	4	06	1200	1110	1260	2971	830	700	405	60	41	655	1680	1130	230	320	365	1995	900	510	4300	
0350-0575	315M	90	6	01	1200	1110	1260	2279	830	465	405	60	54	655	1680	1130	230	320	365	1247	515	405	890	
0350-0575	315L	110	6	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1247	515	429	990	
0350-0575	315L	132	6	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1402	515	429	1110	
0350-0575	315L	160	6	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1402	515	429	1160	
0350-0575	315L	250	6	03	1200	1110	1260	2472	830	520	405	60	51	655	1680	1130	230	320	365	1512	540	448	1700	
0350-0575	355M	315	6	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2040	
0350-0690	355M	355	4	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2250	
0350-0690	355L	400	4	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2110	
0350-0690	355L	500	4	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2290	
0350-0690	400	560	4	05	1200	1110	1260	2825	830	650	405	60	45	655	1680	1130	230	320	365	1835	785	487	2800	
0350-0690	400	630	4	05	1200	1110	1260	2825	830	650	405	60	45	655	1680	1130	230	320	365	1835	865	487	3000	
0350-0690	400	710	4	05	1200	1110	1260	2825	830	650	405	60	45	655	1680	1130	230	320	365	1835	785	487	3200	
0350-0690	450	800	4	06	1200	1110	1260	2971	830	700	405	60	41	655	1680	1130	230	320	365	1995	820	510	3900	
0350-0690	450	900	4	06	1200	1110	1260	2971	830	700	405	60	41	655	1680	1130	230	320	365	1995	820	510	4100	
0350-0690	450	1000	4	06	1200	1110	1260	2971	830	700	405	60	41	655	1680	1130	230	320	365	1995	900	510	4300	
0350-0690	315L	110	6	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1247	515	429	990	
0350-0690	315L	132	6	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1402	515	429	1110	
0350-0690	315L	160	6	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1402	515	429	1160	
0350-0690	315L	200	6	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1422	540	429	1410	
0350-0690	315L	250	6	03	1200	1110	1260	2472	830	520	405	60	51	655	1680	1130	230	320	365	1512	540	448	1700	
0350-0690	355M	315	6	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2040	
0350-0690	355M	355	6	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2250	
0350-0690	355L	400	6	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2240	
0350-0690	400	450	6	05	1200	1110	1260	2825	830	650	405	60	45	655	1680	1130	230	320	365	1835	785	487	2900	
0350-0690	400	500	6	05	1200	1110	1260	2825	830	650	405	60	45	655	1680	1130	230	320	365	1835	785	487	3100	
0350-0690	315L	110	8	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1262	500	429	980	
0350-0690	315L	132	8	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1262	500	429	1100	
0350-0690	315L	160	8	02	1200	1110	1260	2383	830	500	405	60	53	655	1680	1130	230	320	365	1422	540	429	1420	
0350-0690	315L	200	8	03	1200	1110	1260	2472	830	520	405	60	51	655	1680	1130	230	320	365	1512	540	448	1660	
0350-0690	355S	250	8	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2280	
0350-0690	355M	315	8	04	1200	1110	1260	2684	830	590	405	60	46	655	1680	1130	230	320	365	1607	644	482	2360	
0350-0690	400	355	8	05	1200	1110	1260	2825	830	650	405	60	45	655	1680	1130	230	320	365	1835	842	487	3000	

 Further information on chemical anchors (⇒ Page 28) .

RDLO 0400-0525 to 0400-0580

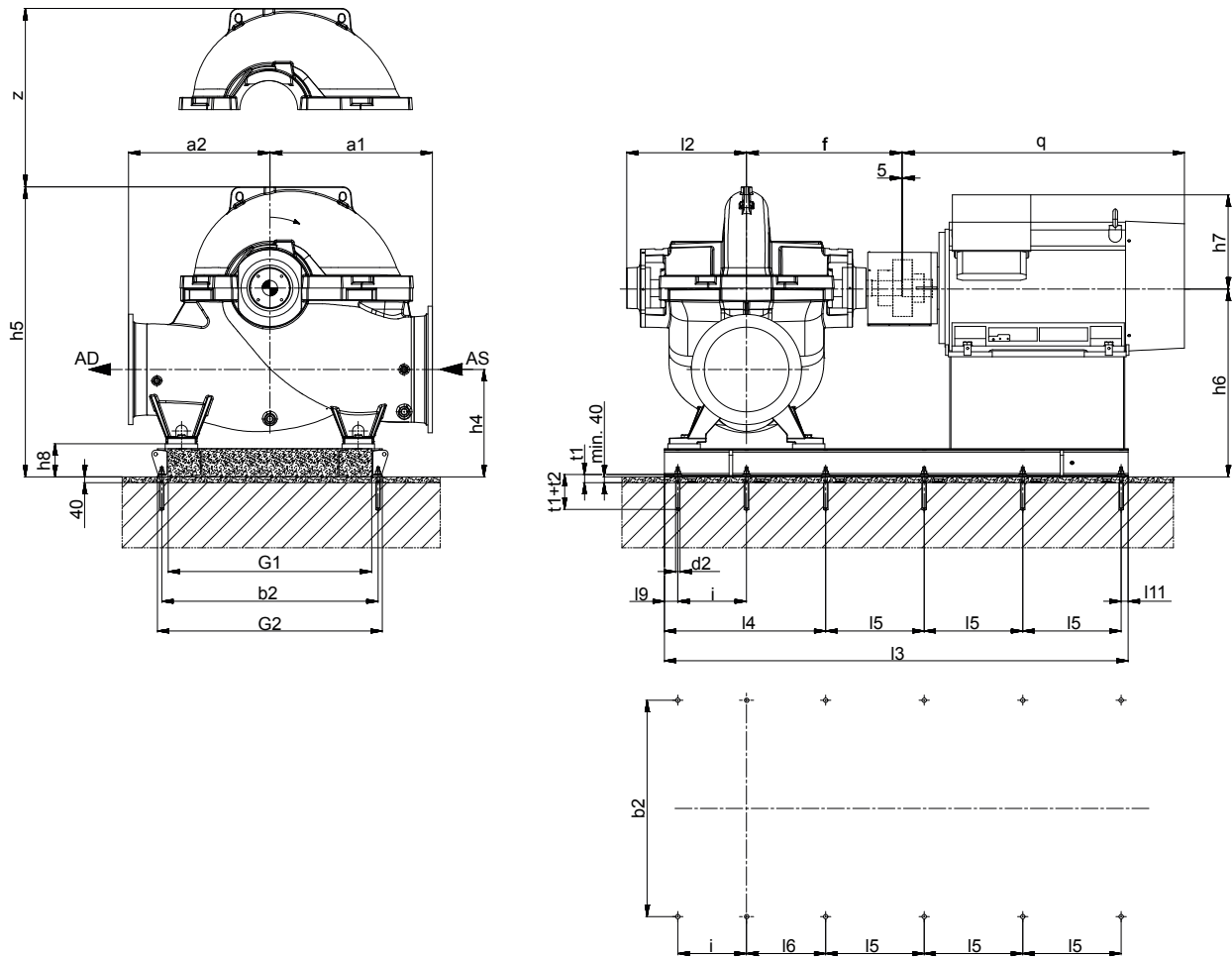


Fig. 10: Installation type 3E
AS, AD, D_1 , D_2 , s_1 , s_2 : (⇒ Page 31)
 t_1 , t_2 , d_2 : (⇒ Page 28)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155-h₆

Information on installation:

This drawing is not true to scale; it serves as an example only. The dimensions apply to KSB standard motors (up to and including IEC 315M) and Siemens motors (IEC 315L and above) only. They are only valid if an N-Eupex coupling (without spacer) is used. A binding general arrangement drawing will be provided on request and against provision of a binding motor outline drawing only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction nozzle and at the discharge nozzle. The pump must not be connected with unbraced expansion joints.

Grout all areas of the baseplates completely with non-shrinking concrete. Observe the required compressive strength class C25/30 of the concrete in exposure class XC1 as per EN 206-1.

Pump dimensions

Size	a_1	a_2	f	h_1	h_2	h_3	l_2	z	Pump	Water fill
	[mm]								[kg]	
0400-0525	750	700	998	900	475	530	747	530	2600	510
0400-0580	900	700	956	900	475	515	720	515	2790	430

Dimensions of baseplate and foundation, motor and weights; chemical anchors: M24 x 300, quantity = 12 nos.

Size	Motor	Power P ₂ 50 Hz [kW]	Number of poles	Baseplate No. RD3E501_...	Baseplate and foundation																Motor		Baseplate	Motor
					b ₂	G ₁	G ₂	I ₃	I ₄	I ₅	I ₆	I ₉	I ₁₁	h ₄	h ₅	h ₆	h ₈	L	i	q	h ₇			
					[mm]																[mm]			
0400-0525	355M	355	4	09	1200	1110	1260	2781	940	590	460	60	48	655	1660	1130	230	320	420	1607	644	493	2250	
0400-0525	355L	400	4	09	1200	1110	1260	2781	940	590	460	60	48	655	1660	1130	230	320	420	1607	644	493	2110	
0400-0525	355L	500	4	09	1200	1110	1260	2781	940	590	460	60	48	655	1660	1130	230	320	420	1607	644	493	2290	
0400-0525	400	560	4	10	1200	1110	1260	2922	940	645	460	60	47	655	1660	1130	230	320	420	1835	785	497	2800	
0400-0525	400	630	4	10	1200	1110	1260	2922	940	645	460	60	47	655	1660	1130	230	320	420	1835	865	497	3000	
0400-0525	400	710	4	10	1200	1110	1260	2922	940	645	460	60	47	655	1660	1130	230	320	420	1835	785	497	3200	
0400-0525	450	800	4	11	1200	1110	1260	3068	940	690	460	60	58	655	1660	1130	230	320	420	1995	820	520	3900	
0400-0525	450	900	4	11	1200	1110	1260	3068	940	690	460	60	58	655	1660	1130	230	320	420	1995	820	520	4100	
0400-0525	450	1000	4	11	1200	1110	1260	3068	940	690	460	60	58	655	1660	1130	230	320	420	1995	900	520	4300	
0400-0525	315L	110	6	07	1200	1110	1260	2480	940	495	460	60	55	655	1660	1130	230	320	420	1247	515	440	990	
0400-0525	315L	132	6	07	1200	1110	1260	2480	940	495	460	60	55	655	1660	1130	230	320	420	1402	515	440	1110	
0400-0525	315L	160	6	07	1200	1110	1260	2480	940	495	460	60	55	655	1660	1130	230	320	420	1402	515	440	1160	
0400-0525	315L	200	6	07	1200	1110	1260	2480	940	495	460	60	55	655	1660	1130	230	320	420	1422	540	440	1410	
0400-0525	315L	250	6	08	1200	1110	1260	2569	940	520	460	60	53	655	1660	1130	230	320	420	1512	540	458	1700	
0400-0525	355M	315	6	09	1200	1110	1260	2781	940	590	460	60	48	655	1660	1130	230	320	420	1607	644	493	2040	
0400-0525	315L	90	8	07	1200	1110	1260	2480	940	495	460	60	55	655	1660	1130	230	320	420	1262	500	440	865	
0400-0525	315L	110	8	07	1200	1110	1260	2480	940	495	460	60	55	655	1660	1130	230	320	420	1262	500	440	980	
0400-0525	315L	132	8	07	1200	1110	1260	2480	940	495	460	60	55	655	1660	1130	230	320	420	1262	500	440	1100	
0400-0525	315L	160	8	07	1200	1110	1260	2480	940	495	460	60	55	655	1660	1130	230	320	420	1422	540	440	1420	
0400-0525	315L	200	8	08	1200	1110	1260	2569	940	520	460	60	53	655	1660	1130	230	320	420	1512	540	458	1660	
0400-0580	355M	355	4	14	1200	1110	1260	2739	940	575	460	60	51	655	1645	1130	230	320	420	1607	644	491	2250	
0400-0580	355L	400	4	14	1200	1110	1260	2739	940	575	460	60	51	655	1645	1130	230	320	420	1607	644	491	2110	
0400-0580	355L	500	4	14	1200	1110	1260	2739	940	575	460	60	51	655	1645	1130	230	320	420	1607	644	491	2290	
0400-0580	400	560	4	15	1200	1110	1260	2880	940	630	460	60	50	655	1645	1130	230	320	420	1835	785	495	2800	
0400-0580	400	630	4	15	1200	1110	1260	2880	940	630	460	60	50	655	1645	1130	230	320	420	1835	865	495	3000	
0400-0580	400	710	4	15	1200	1110	1260	2880	940	630	460	60	50	655	1645	1130	230	320	420	1835	785	495	3200	
0400-0580	450	800	4	16	1200	1110	1260	3026	940	680	460	60	46	655	1645	1130	230	320	420	1995	820	518	3900	
0400-0580	450	900	4	16	1200	1110	1260	3026	940	680	460	60	46	655	1645	1130	230	320	420	1995	820	518	4100	
0400-0580	450	1000	4	16	1200	1110	1260	3026	940	680	460	60	46	655	1645	1130	230	320	420	1995	900	518	4300	
0400-0580	315L	110	6	12	1200	1110	1260	2438	940	480	460	60	58	655	1645	1130	230	320	420	1247	515	437	990	
0400-0580	315L	132	6	12	1200	1110	1260	2438	940	480	460	60	58	655	1645	1130	230	320	420	1402	515	437	1110	
0400-0580	315L	160	6	12	1200	1110	1260	2438	940	480	460	60	58	655	1645	1130	230	320	420	1402	515	437	1160	
0400-0580	315L	200	6	12	1200	1110	1260	2438	940	480	460	60	58	655	1645	1130	230	320	420	1422	540	437	1410	
0400-0580	315L	250	6	13	1200	1110	1260	2527	940	505	460	60	41	655	1645	1130	230	320	420	1512	540	456	1700	
0400-0580	355M	315	6	14	1200	1110	1260	2739	940	575	460	60	51	655	1645	1130	230	320	420	1607	644	491	2040	
0400-0580	355M	355	6	14	1200	1110	1260	2739	940	575	460	60	51	655	1645	1130	230	320	420	1607	644	491	2250	
0400-0580	355L	400	6	14	1200	1110	1260	2739	940	575	460	60	51	655	1645	1130	230	320	420	1607	644	491	2240	
0400-0580	400	450	6	15	1200	1110	1260	2880	940	630	460	60	50	655	1645	1130	230	320	420	1835	785	495	2900	
0400-0580	400	500	6	15	1200	1110	1260	2880	940	630	460	60	50	655	1645	1130	230	320	420	1835	785	495	3100	
0400-0580	315L	110	8	12	1200	1110	1260	2438	940	480	460	60	58	655	1645	1130	230	320	420	1262	500	437	980	
0400-0580	315L	132	8	12	1200	1110	1260	2438	940	480	460	60	58	655	1645	1130	230	320	420	1262	500	437	1100	
0400-0580	315L	160	8	12	1200	1110	1260	2438	940	480	460	60	58	655	1645	1130	230	320	420	1422	540	437	1420	
0400-0580	315L	200	8	13	1200	1110	1260	2527	940	505	460	60	41	655	1645	1130	230	320	420	1512	540	456	1660	
0400-0580	355S	250	8	14	1200	1110	1260	2739	940	575	460	60	51	655	1645	1130	230	320	420	1607	644	491	2280	
0400-0580	355M	315	8	14	1200	1110	1260	2739	940	575	460	60	51	655	1645	1130	230	320	420	1607	644	491	2360	

 Further information on chemical anchors (⇒ Page 28) .

RDLO 0400-0665 to 0400-0705

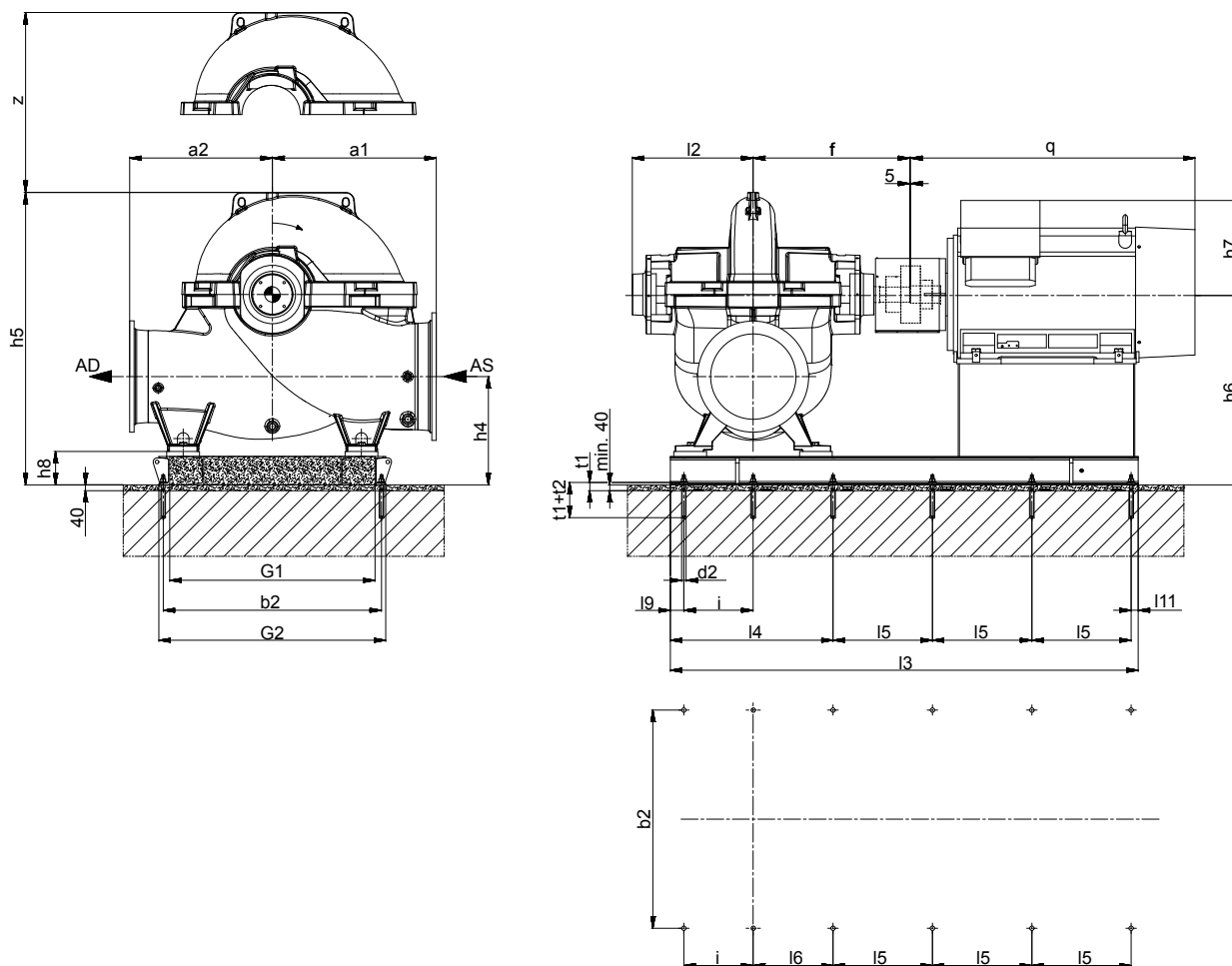


Fig. 11: Installation type 3E

AS, AD, D_1 , D_2 , s_1 , s_2 : (⇒ Page 31)

t_1 , t_2 , d_2 : (⇒ Page 28)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155-h₆

Information on installation:

This drawing is not true to scale; it serves as an example only. The dimensions apply to KSB standard motors (up to and including IEC 315M) and Siemens motors (IEC 315L and above) only. They are only valid if an N-Eupex coupling (without spacer) is used. A binding general arrangement drawing will be provided on request and against provision of a binding motor outline drawing only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction nozzle and at the discharge nozzle. The pump must not be connected with unbraced expansion joints.

Grout all areas of the baseplates completely with non-shrinking concrete. Observe the required compressive strength class C25/30 of the concrete in exposure class XC1 as per EN 206-1.

Pump dimensions

Size	a_1	a_2	f	h_1	h_2	h_3	l_2	z	Pump	Water fill
	[mm]								[kg]	
0400-0665	1000	750	998	1000	525	620	747	620	3415	620
0400-0705	900	800	956	900	450	570	720	570	2840	500

Dimensions of baseplate and foundation, motor and weights; M24 × 300, quantity = 12 nos.

Size	Motor	Power P ₂ 50 Hz [kW]	Number of poles	Baseplate No. RD3E501_...	Baseplate and foundation																	Motor		Baseplate	Motor
					b ₂	G ₁	G ₂	I ₃	I ₄	I ₅	I ₆	I ₉	I ₁₁	h ₄	h ₅	h ₆	h ₈	L	i	q	h ₇				
					[mm]																	[mm]			
0400-0665	400	560	4	20	1200	1110	1260	2922	940	645	460	60	47	705	1850	1230	230	320	420	1835	785	524	2800		
0400-0665	400	630	4	20	1200	1110	1260	2922	940	645	460	60	47	705	1850	1230	230	320	420	1835	865	524	3000		
0400-0665	400	710	4	20	1200	1110	1260	2922	940	645	460	60	47	705	1850	1230	230	320	420	1835	785	524	3200		
0400-0665	450	800	4	21	1200	1110	1260	3070	940	690	460	60	40	705	1850	1230	230	320	420	1995	820	551	3900		
0400-0665	450	900	4	21	1200	1110	1260	3070	940	690	460	60	40	705	1850	1230	230	320	420	1995	820	551	4100		
0400-0665	450	1000	4	21	1200	1110	1260	3070	940	690	460	60	40	705	1850	1230	230	320	420	1995	900	551	4300		
0400-0665	315L	200	6	17	1200	1110	1260	2480	940	495	460	60	55	705	1850	1230	230	320	420	1422	540	460	1410		
0400-0665	315L	250	6	18	1200	1110	1260	2569	940	520	460	60	53	705	1850	1230	230	320	420	1512	540	480	1700		
0400-0665	355M	315	6	19	1200	1110	1260	2781	940	590	460	60	48	705	1850	1230	230	320	420	1607	644	518	2040		
0400-0665	355M	355	6	19	1200	1110	1260	2781	940	590	460	60	48	705	1850	1230	230	320	420	1607	644	518	2250		
0400-0665	355L	400	6	19	1200	1110	1260	2781	940	590	460	60	48	705	1850	1230	230	320	420	1607	644	518	2240		
0400-0665	400	450	6	20	1200	1110	1260	2922	940	645	460	60	47	705	1850	1230	230	320	420	1835	785	524	2900		
0400-0665	400	500	6	20	1200	1110	1260	2922	940	645	460	60	47	705	1850	1230	230	320	420	1835	785	524	3100		
0400-0665	400	560	6	20	1200	1110	1260	2922	940	645	460	60	47	705	1850	1230	230	320	420	1835	865	524	3300		
0400-0665	450	630	6	21	1200	1110	1260	3070	940	690	460	60	40	705	1850	1230	230	320	420	1995	900	551	3800		
0400-0665	450	710	6	21	1200	1110	1260	3070	940	690	460	60	40	705	1850	1230	230	320	420	1995	820	551	4100		
0400-0665	450	800	6	21	1200	1110	1260	3070	940	690	460	60	40	705	1850	1230	230	320	420	1995	900	551	4300		
0400-0665	315L	132	8	17	1200	1110	1260	2480	940	495	460	60	55	705	1850	1230	230	320	420	1262	500	460	1100		
0400-0665	315L	160	8	17	1200	1110	1260	2480	940	495	460	60	55	705	1850	1230	230	320	420	1422	540	460	1420		
0400-0665	315L	200	8	18	1200	1110	1260	2569	940	520	460	60	53	705	1850	1230	230	320	420	1512	540	480	1660		
0400-0665	355S	250	8	19	1200	1110	1260	2781	940	590	460	60	48	705	1850	1230	230	320	420	1607	644	518	2280		
0400-0665	355M	315	8	19	1200	1110	1260	2781	940	590	460	60	48	705	1850	1230	230	320	420	1607	644	518	2360		
0400-0665	400	355	8	20	1200	1110	1260	2922	940	645	460	60	47	705	1850	1230	230	320	420	1835	842	524	3000		
0400-0665	400	400	8	20	1200	1110	1260	2922	940	645	460	60	47	705	1850	1230	230	320	420	1835	785	524	3100		
0400-0665	400	450	8	20	1200	1110	1260	2922	940	645	460	60	47	705	1850	1230	230	320	420	1835	785	524	3300		
0400-0665	450	500	8	21	1200	1110	1260	3070	940	690	460	60	40	705	1850	1230	230	320	420	1995	820	551	3800		
0400-0665	450	560	8	21	1200	1110	1260	3070	940	690	460	60	40	705	1850	1230	230	320	420	1995	820	551	4000		
0400-0665	450	630	8	21	1200	1110	1260	3070	940	690	460	60	40	705	1850	1230	230	320	420	1995	900	551	4300		
0400-0705	355L	400	4	24	1360	1270	1420	2669	800	600	390	45	46	680	1700	1130	230	320	365	1607	644	498	2110		
0400-0705	355L	500	4	24	1360	1270	1420	2669	800	600	390	45	46	680	1700	1130	230	320	365	1607	644	498	2290		
0400-0705	400	560	4	25	1360	1270	1420	2810	800	650	390	45	60	680	1700	1130	230	320	365	1835	785	502	2800		
0400-0705	400	630	4	25	1360	1270	1420	2810	800	650	390	45	60	680	1700	1130	230	320	365	1835	865	502	3000		
0400-0705	400	710	4	25	1360	1270	1420	2810	800	650	390	45	60	680	1700	1130	230	320	365	1835	785	502	3200		
0400-0705	450	800	4	26	1360	1270	1420	2956	800	700	390	45	56	680	1700	1130	230	320	365	1995	820	524	3900		
0400-0705	450	900	4	26	1360	1270	1420	2956	800	700	390	45	56	680	1700	1130	230	320	365	1995	820	524	4100		
0400-0705	450	1000	4	26	1360	1270	1420	2956	800	700	390	45	56	680	1700	1130	230	320	365	1995	900	524	4300		
0400-0705	315L	132	6	22	1360	1270	1420	2368	800	505	390	45	53	680	1700	1130	230	320	365	1402	515	445	1110		
0400-0705	315L	160	6	22	1360	1270	1420	2368	800	505	390	45	53	680	1700	1130	230	320	365	1402	515	445	1160		
0400-0705	315L	200	6	22	1360	1270	1420	2368	800	505	390	45	53	680	1700	1130	230	320	365	1422	540	445	1410		
0400-0705	315L	250	6	23	1360	1270	1420	2457	800	530	390	45	51	680	1700	1130	230	320	365	1512	540	464	1700		
0400-0705	355M	315	6	24	1360	1270	1420	2669	800	600	390	45	46	680	1700	1130	230	320	365	1607	644	498	2040		
0400-0705	355M	355	6	24	1360	1270	1420	2669	800	600	390	45	46	680	1700	1130	230	320	365	1607	644	498	2250		
0400-0705	355L	400	6	24	1360	1270	1420	2669	800	600	390	45	46	680	1700	1130	230	320	365	1607	644	498	2240		
0400-0705	400	450	6	25	1360	1270	1420	2810	800	650	390	45	60	680	1700	1130	230	320	365	1835	785	502	2900		
0400-0705	400	500	6	25	1360	1270	1420	2810	800	650	390	45	60	680	1700	1130	230	320	365	1835	785	502	3100		
0400-0705	400	560	6	25	1360	1270	1420	2810	800	650	390	45	60	680	1700	1130	230	320	365	1835	865	502	3300		
0400-0705	450	630	6	26	1360	1270	1420	2956	800	700	390	45	56	680	1700	1130	230	320	365	1995	900	524	3800		
0400-0705	450	710	6	26	1360	1270	1420	2956	800	700	390	45	56	680	1700	1130	230	320	365	1995	820	524	4100		
0400-0705	315L	132	8	22	1360	1270	1420	2368	800	505	390	45	53	680	1700	1130	230	320	365	1262	500	445	1100		
0400-0705	315L	160	8	22	1360	1270	1																		

RDLO 0400-0935 to 0500-0585

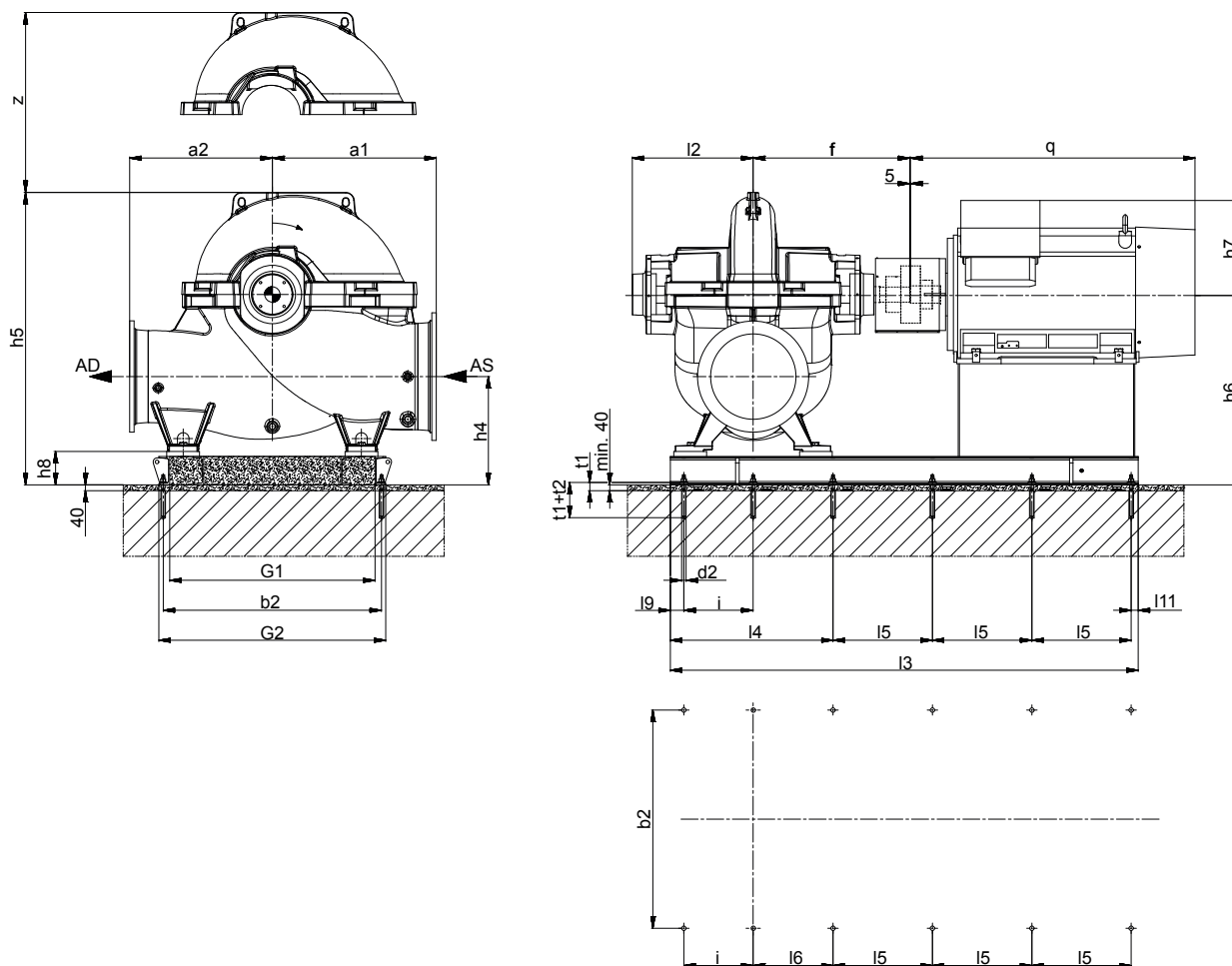


Fig. 12: Installation type 3E
AS, AD, D₁, D₂, s₁, s₂: (⇒ Page 31)
t₁, t₂, d₂: (⇒ Page 28)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155-h₆

Information on installation:

This drawing is not true to scale; it serves as an example only. The dimensions apply to KSB standard motors (up to and including IEC 315M) and Siemens motors (IEC 315L and above) only. They are only valid if an N-Eupex coupling (without spacer) is used. A binding general arrangement drawing will be provided on request and against provision of a binding motor outline drawing only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction nozzle and at the discharge nozzle. The pump must not be connected with unbraced expansion joints.

Grout all areas of the baseplates completely with non-shrinking concrete. Observe the required compressive strength class C25/30 of the concrete in exposure class XC1 as per EN 206-1.

Pump dimensions

Size	a ₁	a ₂	f	h ₁	h ₂	h ₃	l ₂	z	Pump	Water fill
	[mm]								[kg]	
0400-0935	1050	1000	956	1000	550	650	720	650	3750	620
0500-0525	1000	7500	998	1000	525	600	747	600	3150	735
0500-0585	1100	800	1098	1100	550	680	847	680	4560	960

Dimensions of baseplate and foundation, motor and weights; chemical anchors: M24 x 300, quantity = 12 nos.

Size	Motor	Power P ₂ 50 Hz [kW]	Number of poles	Baseplate No. RD3ES01_...	Baseplate and foundation																	Motor		Baseplate	Motor
					b ₂	G ₁	G ₂	I ₃	I ₄	I ₅	I ₆	I ₉	I ₁₁	h ₄	h ₅	h ₆	h ₈	L	i	q	h ₇				
					[mm]																	[mm]		[kg]	
0400-0935	400	560	6	28	1360	1270	1420	2855	890	640	435	60	45	680	1880	1230	230	320	395	1835	865	537	3300		
0400-0935	450	630	6	29	1360	1270	1420	3001	890	690	435	60	41	680	1880	1230	230	320	395	1995	900	562	3800		
0400-0935	450	710	6	29	1360	1270	1420	3001	890	690	435	60	41	680	1880	1230	230	320	395	1995	820	562	4100		
0400-0935	450	800	6	29	1360	1270	1420	3001	890	690	435	60	41	680	1880	1230	230	320	395	1995	900	562	4300		
0400-0935	355S	250	8	27	1360	1270	1420	2714	890	580	435	60	46	680	1880	1230	230	320	395	1607	644	531	2280		
0400-0935	355M	315	8	27	1360	1270	1420	2714	890	580	435	60	46	680	1880	1230	230	320	395	1607	644	531	2360		
0400-0935	400	355	8	28	1360	1270	1420	2855	890	640	435	60	45	680	1880	1230	230	320	395	1835	842	537	3000		
0400-0935	400	400	8	28	1360	1270	1420	2855	890	640	435	60	45	680	1880	1230	230	320	395	1835	785	537	3100		
0400-0935	400	450	8	28	1360	1270	1420	2855	890	640	435	60	45	680	1880	1230	230	320	395	1835	785	537	3300		
0400-0935	450	500	8	29	1360	1270	1420	3001	890	690	435	60	41	680	1880	1230	230	320	395	1995	820	562	3800		
0400-0935	450	560	8	29	1360	1270	1420	3001	890	690	435	60	41	680	1880	1230	230	320	395	1995	820	562	4000		
0400-0935	450	630	8	29	1360	1270	1420	3001	890	690	435	60	41	680	1880	1230	230	320	395	1995	900	562	4300		
0500-0525	315L	200	6	17	1200	1110	1260	2480	940	495	460	60	55	705	1830	1230	230	320	420	1422	540	460	1410		
0500-0525	315L	250	6	18	1200	1110	1260	2569	940	520	460	60	53	705	1830	1230	230	320	420	1512	540	480	1700		
0500-0525	355M	315	6	19	1200	1110	1260	2781	940	590	460	60	48	705	1830	1230	230	320	420	1607	644	518	2040		
0500-0525	355M	355	6	19	1200	1110	1260	2781	940	590	460	60	48	705	1830	1230	230	320	420	1607	644	518	2250		
0500-0525	355L	400	6	19	1200	1110	1260	2781	940	590	460	60	48	705	1830	1230	230	320	420	1607	644	518	2240		
0500-0525	400	450	6	20	1200	1110	1260	2922	940	645	460	60	47	705	1830	1230	230	320	420	1835	785	524	2900		
0500-0525	400	500	6	20	1200	1110	1260	2922	940	645	460	60	47	705	1830	1230	230	320	420	1835	785	524	3100		
0500-0525	400	560	6	20	1200	1110	1260	2922	940	645	460	60	47	705	1830	1230	230	320	420	1835	865	524	3300		
0500-0525	450	630	6	21	1200	1110	1260	3070	940	690	460	60	40	705	1830	1230	230	320	420	1995	900	551	3800		
0500-0525	450	710	6	21	1200	1110	1260	3070	940	690	460	60	40	705	1830	1230	230	320	420	1995	820	551	4100		
0500-0525	315L	90	8	17	1200	1110	1260	2480	940	495	460	60	55	705	1830	1230	230	320	420	1262	500	460	865		
0500-0525	315L	110	8	17	1200	1110	1260	2480	940	495	460	60	55	705	1830	1230	230	320	420	1262	500	460	980		
0500-0525	315L	132	8	17	1200	1110	1260	2480	940	495	460	60	55	705	1830	1230	230	320	420	1262	500	460	1100		
0500-0525	315L	160	8	17	1200	1110	1260	2480	940	495	460	60	55	705	1830	1230	230	320	420	1422	540	460	1420		
0500-0525	315L	200	8	18	1200	1110	1260	2569	940	520	460	60	53	705	1830	1230	230	320	420	1512	540	480	1660		
0500-0525	355S	250	8	19	1200	1110	1260	2781	940	590	460	60	48	705	1830	1230	230	320	420	1607	644	518	2280		
0500-0585	315L	250	6	31	1360	1270	1420	2749	1100	525	540	60	43	780	2010	1330	230	320	500	1512	540	540	1700		
0500-0585	355M	315	6	32	1360	1270	1420	2961	1100	595	540	60	53	780	2010	1330	230	320	500	1607	644	580	2040		
0500-0585	355M	355	6	32	1360	1270	1420	2961	1100	595	540	60	53	780	2010	1330	230	320	500	1607	644	580	2250		
0500-0585	355L	400	6	32	1360	1270	1420	2961	1100	595	540	60	53	780	2010	1330	230	320	500	1607	644	580	2240		
0500-0585	400	450	6	33	1360	1270	1420	3102	1100	650	540	60	52	780	2010	1330	230	320	500	1835	785	588	2900		
0500-0585	400	500	6	33	1360	1270	1420	3102	1100	650	540	60	52	780	2010	1330	230	320	500	1835	785	588	3100		
0500-0585	400	560	6	33	1360	1270	1420	3102	1100	650	540	60	52	780	2010	1330	230	320	500	1835	865	588	3300		
0500-0585	450	630	6	34	1360	1270	1420	3248	1100	700	540	60	48	780	2010	1330	230	320	500	1995	900	615	3800		
0500-0585	315L	110	8	30	1360	1270	1420	2660	1100	500	540	60	60	780	2010	1330	230	320	500	1262	500	517	980		
0500-0585	315L	132	8	30	1360	1270	1420	2660	1100	500	540	60	60	780	2010	1330	230	320	500	1262	500	517	1100		
0500-0585	315L	160	8	30	1360	1270	1420	2660	1100	500	540	60	60	780	2010	1330	230	320	500	1422	540	517	1420		
0500-0585	315L	200	8	31	1360	1270	1420	2749	1100	525	540	60	43	780	2010	1330	230	320	500	1512	540	540	1660		
0500-0585	355S	250	8	32	1360	1270	1420	2961	1100	595	540	60	53	780	2010	1330	230	320	500	1607	644	580	2280		
0500-0585	355M	315	8	32	1360	1270	1420	2961	1100	595	540	60	53	780	2010	1330	230	320	500	1607	644	580	2360		
0500-0585	400	355	8	33	1360	1270	1420	3102	1100	650	540	60	52	780	2010	1330	230	320	500	1835	842	588	3000		
0500-0585	400	400	8	33	1360	1270	1420	3102	1100	650	540	60	52	780	2010	1330	230	320	500	1835	785	588	3100		

 Further information on chemical anchors (⇒ Page 28) .

RDLO 0500-0685 to 0500-0835

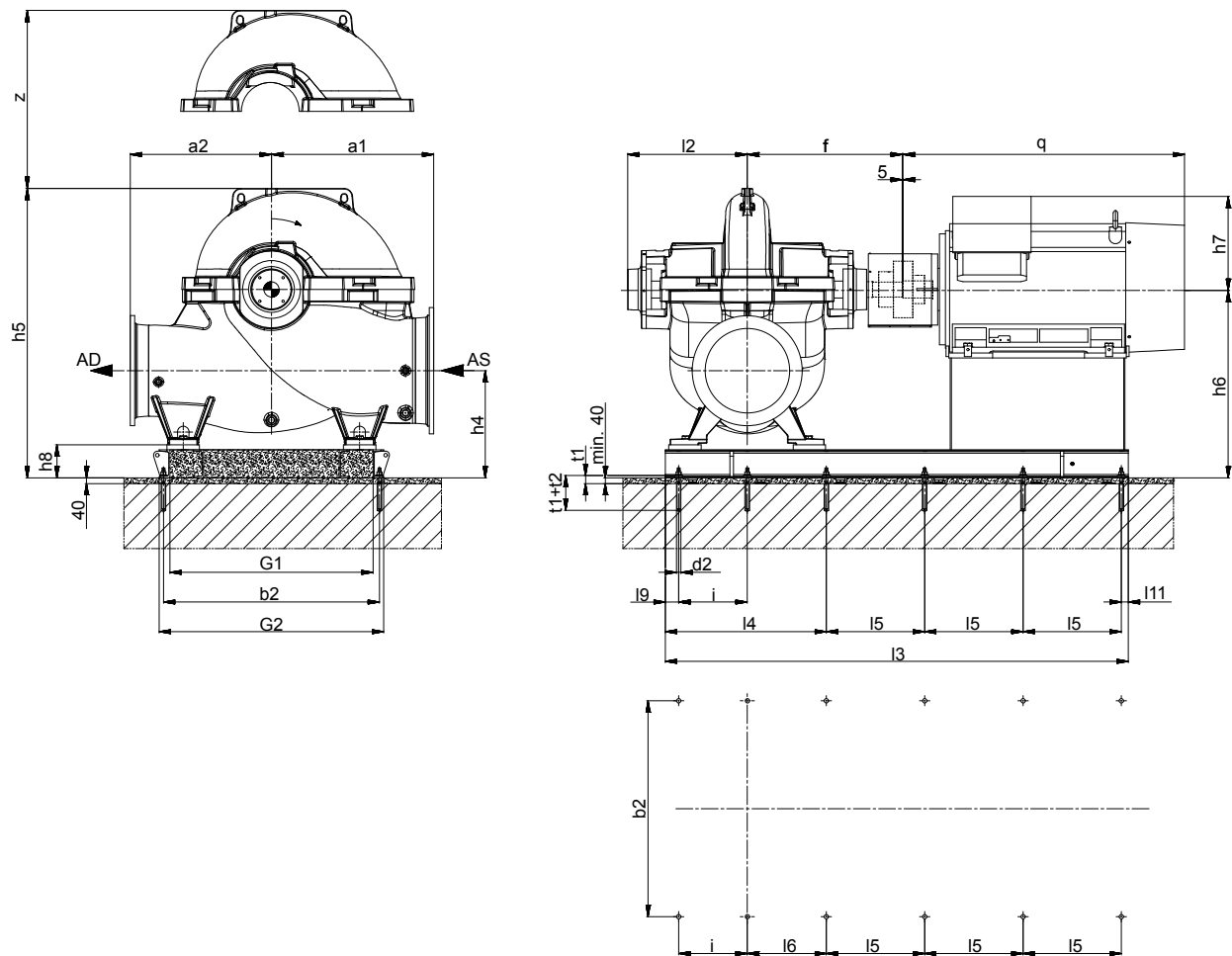


Fig. 13: Installation type 3E

AS, AD, D₁, D₂, s₁, s₂: (⇒ Page 31)

t₁, t₂, d₂: (⇒ Page 28)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155-h₆

Information on installation:

This drawing is not true to scale; it serves as an example only. The dimensions apply to KSB standard motors (up to and including IEC 315M) and Siemens motors (IEC 315L and above) only. They are only valid if an N-Eupex coupling (without spacer) is used. A binding general arrangement drawing will be provided on request and against provision of a binding motor outline drawing only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction nozzle and at the discharge nozzle. The pump must not be connected with unbraced expansion joints.

Grout all areas of the baseplates completely with non-shrinking concrete. Observe the required compressive strength class C25/30 of the concrete in exposure class XC1 as per EN 206-1.

Pump dimensions

Size	a ₁	a ₂	f	h ₁	h ₂	h ₃	l ₂	z	Pump	Water fill
	[mm]								[kg]	
0500-0685	1100	800	1098	1100	575	670	847	670	4510	930
0500-0835	1150	1100	1166	1100	575	690	872	690	5050	970

Dimensions of baseplate and foundation, motor and weights; chemical anchors: M24 x 300, quantity = 12 nos.

Size	Motor	Power P ₂ 50 Hz [kW]	Number of poles	Baseplate No. RD3E501_...	Baseplate and foundation																	Motor		Baseplate	Motor
					b ₂	G ₁	G ₂	I ₃	I ₄	I ₅	I ₆	I ₉	I ₁₁	h ₄	h ₅	h ₆	h ₈	L	i	q	h ₇				
					[mm]																	[mm]		[kg]	
0500-0685	355M	315	6	32	1360	1270	1420	2961	1100	595	540	60	53	755	2000	1330	230	320	500	1607	644	580	2040		
0500-0685	355M	355	6	32	1360	1270	1420	2961	1100	595	540	60	53	755	2000	1330	230	320	500	1607	644	580	2250		
0500-0685	355L	400	6	32	1360	1270	1420	2961	1100	595	540	60	53	755	2000	1330	230	320	500	1607	644	580	2240		
0500-0685	400	450	6	33	1360	1270	1420	3102	1100	650	540	60	52	755	2000	1330	230	320	500	1835	785	588	2900		
0500-0685	400	500	6	33	1360	1270	1420	3102	1100	650	540	60	52	755	2000	1330	230	320	500	1835	785	588	3100		
0500-0685	400	560	6	33	1360	1270	1420	3102	1100	650	540	60	52	755	2000	1330	230	320	500	1835	865	588	3300		
0500-0685	450	630	6	34	1360	1270	1420	3248	1100	700	540	60	48	755	2000	1330	230	320	500	1995	900	615	3800		
0500-0685	450	710	6	34	1360	1270	1420	3248	1100	700	540	60	48	755	2000	1330	230	320	500	1995	820	615	4100		
0500-0685	450	800	6	34	1360	1270	1420	3248	1100	700	540	60	48	755	2000	1330	230	320	500	1995	900	615	4300		
0500-0685	315L	110	8	30	1360	1270	1420	2660	1100	500	540	60	60	755	2000	1330	230	320	500	1262	500	517	980		
0500-0685	315L	132	8	30	1360	1270	1420	2660	1100	500	540	60	60	755	2000	1330	230	320	500	1262	500	517	1100		
0500-0685	315L	160	8	30	1360	1270	1420	2660	1100	500	540	60	60	755	2000	1330	230	320	500	1422	540	517	1420		
0500-0685	315L	200	8	31	1360	1270	1420	2749	1100	525	540	60	43	755	2000	1330	230	320	500	1512	540	540	1660		
0500-0685	355S	250	8	32	1360	1270	1420	2961	1100	595	540	60	53	755	2000	1330	230	320	500	1607	644	580	2280		
0500-0685	355M	315	8	32	1360	1270	1420	2961	1100	595	540	60	53	755	2000	1330	230	320	500	1607	644	580	2360		
0500-0685	400	355	8	33	1360	1270	1420	3102	1100	650	540	60	52	755	2000	1330	230	320	500	1835	842	588	3000		
0500-0685	400	400	8	33	1360	1270	1420	3102	1100	650	540	60	52	755	2000	1330	230	320	500	1835	785	588	3100		
0500-0685	400	450	8	33	1360	1270	1420	3102	1100	650	540	60	52	755	2000	1330	230	320	500	1835	785	588	3300		
0500-0685	450	500	8	34	1360	1270	1420	3248	1100	700	540	60	48	755	2000	1330	230	320	500	1995	820	615	3800		
0500-0685	450	560	8	34	1360	1270	1420	3248	1100	700	540	60	48	755	2000	1330	230	320	500	1995	820	615	4000		
0500-0685	450	630	8	34	1360	1270	1420	3248	1100	700	540	60	48	755	2000	1330	230	320	500	1995	900	615	4300		
0500-0835	355M	355	6	37	1780	1690	1840	3039	1120	615	550	85	51	760	2025	1335	235	320	485	1607	644	669	2250		
0500-0835	355M	355	6	37	1780	1690	1840	3039	1120	615	550	85	51	760	2025	1335	235	320	485	1607	644	669	2250		
0500-0835	355L	400	6	37	1780	1690	1840	3039	1120	615	550	85	51	760	2025	1335	235	320	485	1607	644	669	2240		
0500-0835	355L	400	6	37	1780	1690	1840	3039	1120	615	550	85	51	760	2025	1335	235	320	485	1607	644	669	2240		
0500-0835	400	450	6	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	785	676	2900		
0500-0835	400	450	6	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	785	676	2900		
0500-0835	400	500	6	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	785	676	3100		
0500-0835	400	500	6	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	785	676	3100		
0500-0835	400	560	6	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	865	676	3300		
0500-0835	400	560	6	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	865	676	3300		
0500-0835	450	630	6	39	1780	1690	1840	3326	1120	720	550	85	46	760	2025	1335	235	320	485	1995	900	702	3800		
0500-0835	450	630	6	39	1780	1690	1840	3326	1120	720	550	85	46	760	2025	1335	235	320	485	1995	900	702	3800		
0500-0835	450	710	6	39	1780	1690	1840	3326	1120	720	550	85	46	760	2025	1335	235	320	485	1995	820	702	4100		
0500-0835	450	710	6	39	1780	1690	1840	3326	1120	720	550	85	46	760	2025	1335	235	320	485	1995	820	702	4100		
0500-0835	450	800	6	39	1780	1690	1840	3326	1120	720	550	85	46	760	2025	1335	235	320	485	1995	900	702	4300		
0500-0835	450	800	6	39	1780	1690	1840	3326	1120	720	550	85	46	760	2025	1335	235	320	485	1995	900	702	4300		
0500-0835	315L	160	8	35	1780	1690	1840	2738	1120	520	550	85	58	760	2025	1335	235	320	485	1422	540	605	1420		
0500-0835	315L	160	8	35	1780	1690	1840	2738	1120	520	550	85	58	760	2025	1335	235	320	485	1422	540	605	1420		
0500-0835	315L	200	8	36	1780	1690	1840	2827	1120	545	550	85	41	760	2025	1335	235	320	485	1512	540	628	1660		
0500-0835	315L	200	8	36	1780	1690	1840	2827	1120	545	550	85	41	760	2025	1335	235	320	485	1512	540	628	1660		
0500-0835	355S	250	8	37	1780	1690	1840	3039	1120	615	550	85	51	760	2025	1335	235	320	485	1607	644	669	2280		
0500-0835	355S	250	8	37	1780	1690	1840	3039	1120	615	550	85	51	760	2025	1335	235	320	485	1607	644	669	2280		
0500-0835	355M	315	8	37	1780	1690	1840	3039	1120	615	550	85	51	760	2025	1335	235	320	485	1607	644	669	2360		
0500-0835	355M	315	8	37	1780	1690	1840	3039	1120	615	550	85	51	760	2025	1335	235	320	485	1607	644	669	2360		
0500-0835	400	355	8	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	842	676	3000		
0500-0835	400	355	8	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	842	676	3000		
0500-0835	400	400	8	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	785	676	3100		
0500-0835	400	400	8	38	1780	1690	1840	3180	1120	670	550	85	50	760	2025	1335	235	320	485	1835	785	676	3100		
0500-0835	400</																								

RDLO 0500-0860 to 0500-1035

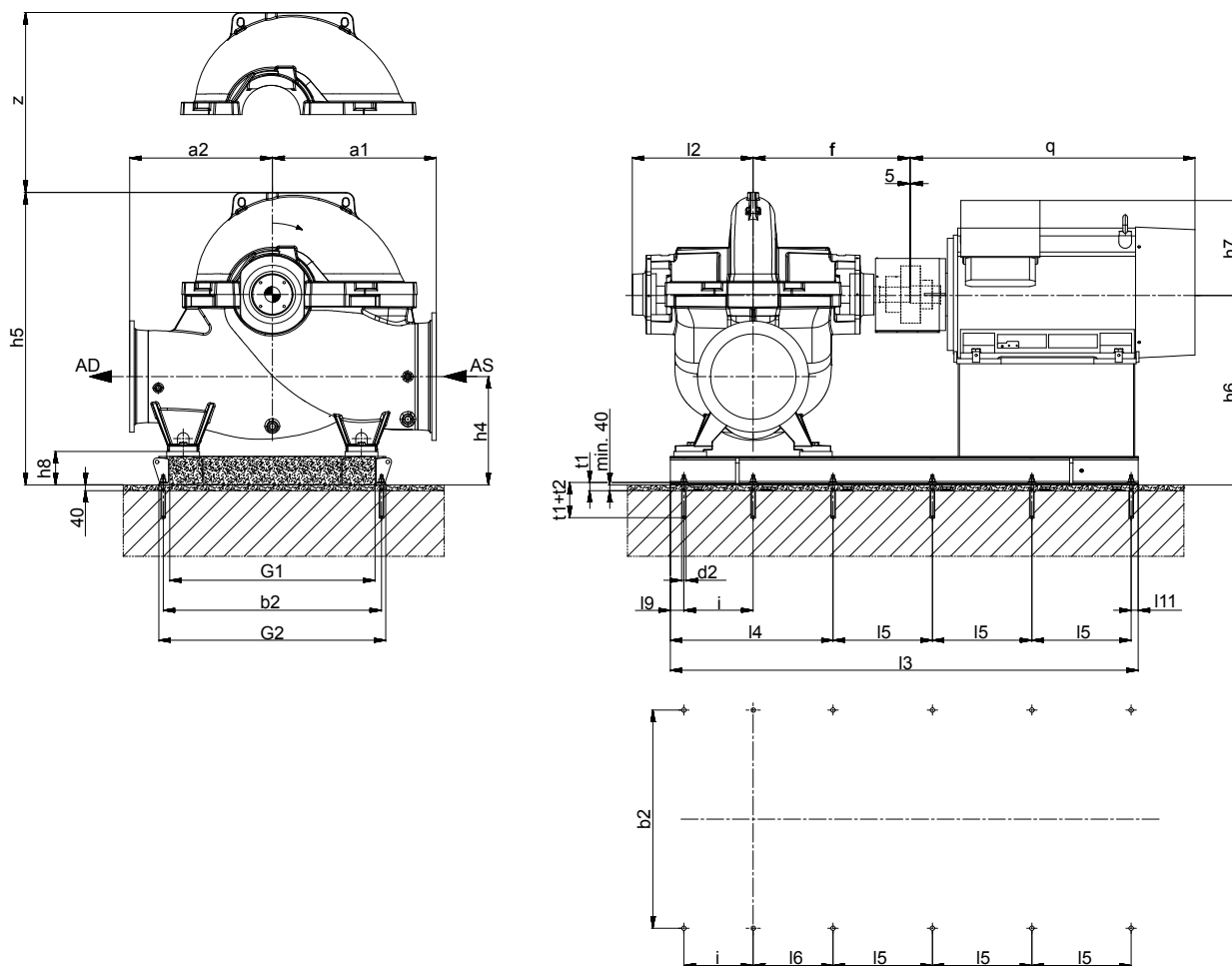


Fig. 14: Installation type 3E
AS, AD, D₁, D₂, s₁, s₂: (⇒ Page 31)
t₁, t₂, d₂: (⇒ Page 28)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155-h₆

Information on installation:

This drawing is not true to scale; it serves as an example only. The dimensions apply to KSB standard motors (up to and including IEC 315M) and Siemens motors (IEC 315L and above) only. They are only valid if an N-Eupex coupling (without spacer) is used. A binding general arrangement drawing will be provided on request and against provision of a binding motor outline drawing only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction nozzle and at the discharge nozzle. The pump must not be connected with unbraced expansion joints.

Grout all areas of the baseplates completely with non-shrinking concrete. Observe the required compressive strength class C25/30 of the concrete in exposure class XC1 as per EN 206-1.

Pump dimensions

Size	a ₁	a ₂	f	h ₁	h ₂	h ₃	l ₂	z	Pump		Water fill	
	[mm]								[kg]		[kg]	
0500-0860	1200	900	1166	1200	700	775	872	775	5390		1120	
0500-1015	1200	1100	1166	1200	725	750	872	750	6030		1050	
0500-1035	1250	1100	1166	1200	700	800	872	800	5900		1250	

Dimensions of baseplate and foundation, motor and weights; chemical anchors: M24 x 300, quantity = 12 nos.

Size	Motor	Power P ₂ 50 Hz [kW]	Number of poles	Baseplate No. RD3E501_...	Baseplate and foundation															Motor		Baseplate	Motor
					b ₂	G ₁	G ₂	I ₃	I ₄	I ₅	I ₆	I ₉	I ₁₁	h ₄	h ₅	h ₆	h ₈	L	i	q	h ₇		
					[mm]															[mm]		[kg]	
0500-0860	400	560	6	41	1530	1440	1590	3180	1120	670	550	85	50	735	2210	1435	235	320	485	1835	865	672	3300
0500-0860	400	560	6	41	1530	1440	1590	3180	1120	670	550	85	50	735	2210	1435	235	320	485	1835	865	672	3300
0500-0860	450	630	6	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	900	701	3800
0500-0860	450	630	6	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	900	701	3800
0500-0860	450	710	6	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	820	701	4100
0500-0860	450	710	6	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	820	701	4100
0500-0860	450	800	6	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	900	701	4300
0500-0860	450	800	6	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	900	701	4300
0500-0860	355S	250	8	40	1530	1440	1590	3039	1120	615	550	85	51	735	2210	1435	235	320	485	1607	644	663	2280
0500-0860	355S	250	8	40	1530	1440	1590	3039	1120	615	550	85	51	735	2210	1435	235	320	485	1607	644	663	2280
0500-0860	355M	315	8	40	1530	1440	1590	3039	1120	615	550	85	51	735	2210	1435	235	320	485	1607	644	663	2360
0500-0860	355M	315	8	40	1530	1440	1590	3039	1120	615	550	85	51	735	2210	1435	235	320	485	1607	644	663	2360
0500-0860	400	355	8	41	1530	1440	1590	3180	1120	670	550	85	50	735	2210	1435	235	320	485	1835	842	672	3000
0500-0860	400	355	8	41	1530	1440	1590	3180	1120	670	550	85	50	735	2210	1435	235	320	485	1835	842	672	3000
0500-0860	400	400	8	41	1530	1440	1590	3180	1120	670	550	85	50	735	2210	1435	235	320	485	1835	785	672	3100
0500-0860	400	400	8	41	1530	1440	1590	3180	1120	670	550	85	50	735	2210	1435	235	320	485	1835	785	672	3100
0500-0860	400	450	8	41	1530	1440	1590	3180	1120	670	550	85	50	735	2210	1435	235	320	485	1835	785	672	3300
0500-0860	400	450	8	41	1530	1440	1590	3180	1120	670	550	85	50	735	2210	1435	235	320	485	1835	785	672	3300
0500-0860	450	500	8	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	820	701	3800
0500-0860	450	500	8	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	820	701	3800
0500-0860	450	560	8	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	820	701	4000
0500-0860	450	560	8	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	820	701	4000
0500-0860	450	630	8	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	900	701	4300
0500-0860	450	630	8	42	1530	1440	1590	3326	1120	720	550	85	46	735	2210	1435	235	320	485	1995	900	701	4300
0500-1015	355S	250	8	43	1780	1690	1840	3039	1120	615	550	85	51	710	2185	1435	235	320	485	1607	644	697	2280
0500-1015	355S	250	8	43	1780	1690	1840	3039	1120	615	550	85	51	710	2185	1435	235	320	485	1607	644	697	2280
0500-1015	355M	315	8	43	1780	1690	1840	3039	1120	615	550	85	51	710	2185	1435	235	320	485	1607	644	697	2360
0500-1015	355M	315	8	43	1780	1690	1840	3039	1120	615	550	85	51	710	2185	1435	235	320	485	1607	644	697	2360
0500-1015	400	355	8	44	1780	1690	1840	3180	1120	670	550	85	50	710	2185	1435	235	320	485	1835	842	706	3000
0500-1015	400	355	8	44	1780	1690	1840	3180	1120	670	550	85	50	710	2185	1435	235	320	485	1835	842	706	3000
0500-1015	400	400	8	44	1780	1690	1840	3180	1120	670	550	85	50	710	2185	1435	235	320	485	1835	785	706	3100
0500-1015	400	400	8	44	1780	1690	1840	3180	1120	670	550	85	50	710	2185	1435	235	320	485	1835	785	706	3100
0500-1015	400	450	8	44	1780	1690	1840	3180	1120	670	550	85	50	710	2185	1435	235	320	485	1835	785	706	3300
0500-1015	400	450	8	44	1780	1690	1840	3180	1120	670	550	85	50	710	2185	1435	235	320	485	1835	785	706	3300
0500-1015	450	500	8	45	1780	1690	1840	3326	1120	720	550	85	46	710	2185	1435	235	320	485	1995	820	734	3800
0500-1015	450	500	8	45	1780	1690	1840	3326	1120	720	550	85	46	710	2185	1435	235	320	485	1995	820	734	3800
0500-1015	450	560	8	45	1780	1690	1840	3326	1120	720	550	85	46	710	2185	1435	235	320	485	1995	820	734	4000
0500-1015	450	560	8	45	1780	1690	1840	3326	1120	720	550	85	46	710	2185	1435	235	320	485	1995	820	734	4000
0500-1015	450	630	8	45	1780	1690	1840	3326	1120	720	550	85	46	710	2185	1435	235	320	485	1995	900	734	4300
0500-1015	450	630	8	45	1780	1690	1840	3326	1120	720	550	85	46	710	2185	1435	235	320	485	1995	900	734	4300
0500-1035	355M	315	8	43	1780	1690	1840	3039	1120	615	550	85	51	735	2235	1435	235	320	485	1607	644	697	2360
0500-1035	355M	315	8	43	1780	1690	1840	3039	1120	615	550	85	51	735	2235	1435	235	320	485	1607	644	697	2360
0500-1035	400	355	8	44	1780	1690	1840	3180	1120	670	550	85	50	735	2235	1435	235	320	485	1835	842	706	3000
0500-1035	400	355	8	44	1780	1690	1840	3180	1120	670	550	85	50	735	2235	1435	235	320	485	1835	842	706	3000
0500-1035	400	400	8	44	1780	1690	1840	3180	1120	670	550	85	50	735	2235	1435	235	320	485	1835	785	706	3100
0500-1035	400	400	8	44	1780	1690	1840	3180	1120	670	550	85	50	735	2235	1435	235	320	485	1835	785	706	3100
0500-1035	400	450	8	44	1780	1690	1840	3180	1120	670	550	85	50	735	2235	1435	235	320	485	1835	785	706	3300
0500-1035	400	450	8	44	1780	1690	1840	3180	1120	670	550	85	50	735	2235	1435	235	320	485	1835	785	706	3300
0500-1035	450	500	8	45	1780	1690	1840	3326	1120	720	550	85	46	735	2235	1435	235	320	485	1995	820	734	3800
0500-1035	450	500	8	45</																			

 Further information on chemical anchors (⇒ Page 28) .

RDLO 0600-0600 to 0600-0885

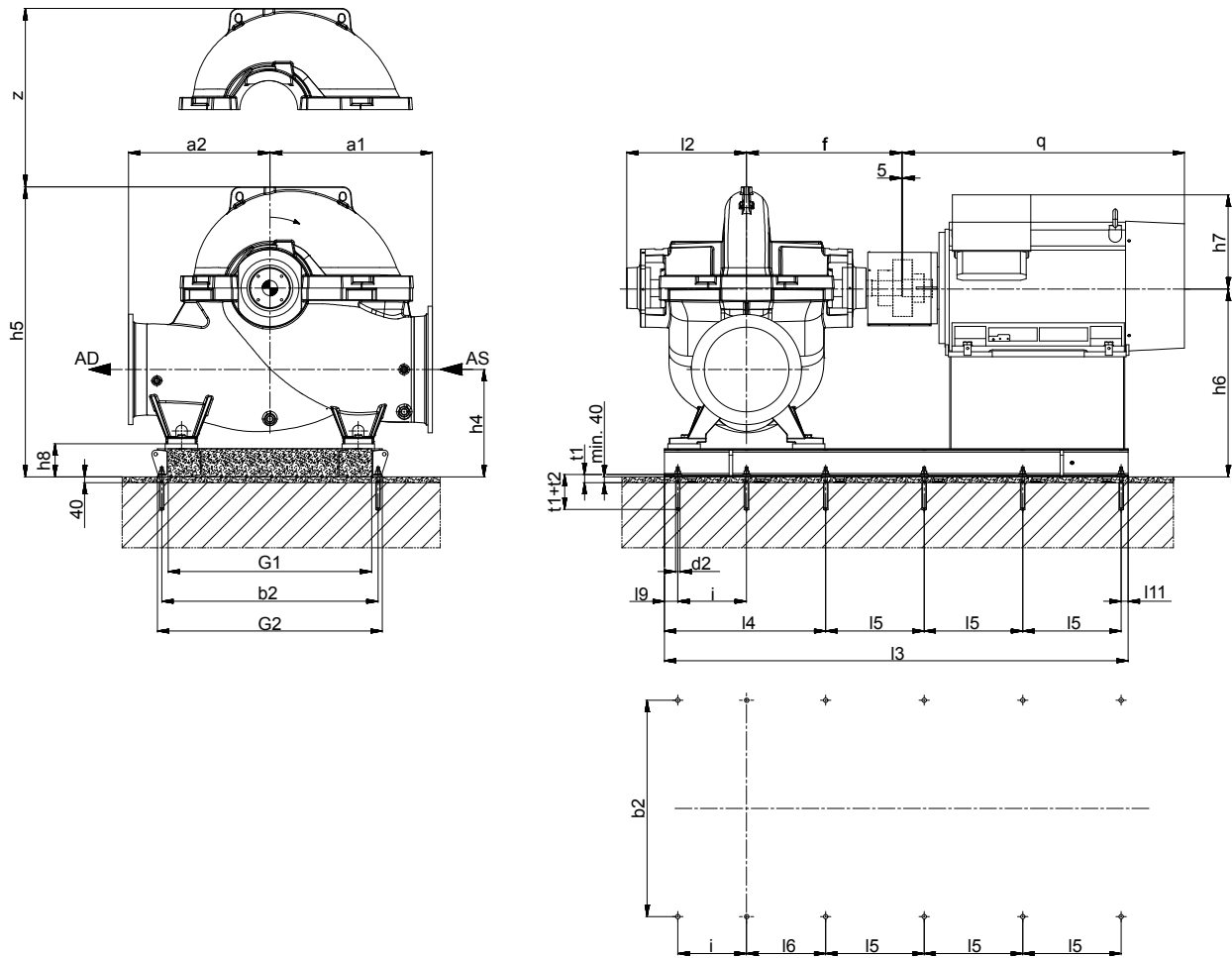


Fig. 15: Installation type 3E

AS, AD, D₁, D₂, s₁, s₂: (⇒ Page 31)

t₁, t₂, d₂: (⇒ Page 28)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155-h₆

Information on installation:

This drawing is not true to scale; it serves as an example only. The dimensions apply to KSB standard motors (up to and including IEC 315M) and Siemens motors (IEC 315L and above) only. They are only valid if an N-Eupex coupling (without spacer) is used. A binding general arrangement drawing will be provided on request and against provision of a binding motor outline drawing only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction nozzle and at the discharge nozzle. The pump must not be connected with unbraced expansion joints.

Grout all areas of the baseplates completely with non-shrinking concrete. Observe the required compressive strength class C25/30 of the concrete in exposure class XC1 as per EN 206-1.

Pump dimensions

Size	a ₁	a ₂	f	h ₁	h ₂	h ₃	l ₂	z	Pump	Water fill
	[mm]								[kg]	
0600-0600	1200	900	1098	1200	675	770	847	770	5020	1390
0600-0705	1150	1000	1098	1100	575	715	847	715	5150	1230
0600-0885	1300	1100	1280	1300	750	790	926	790	6200	1530

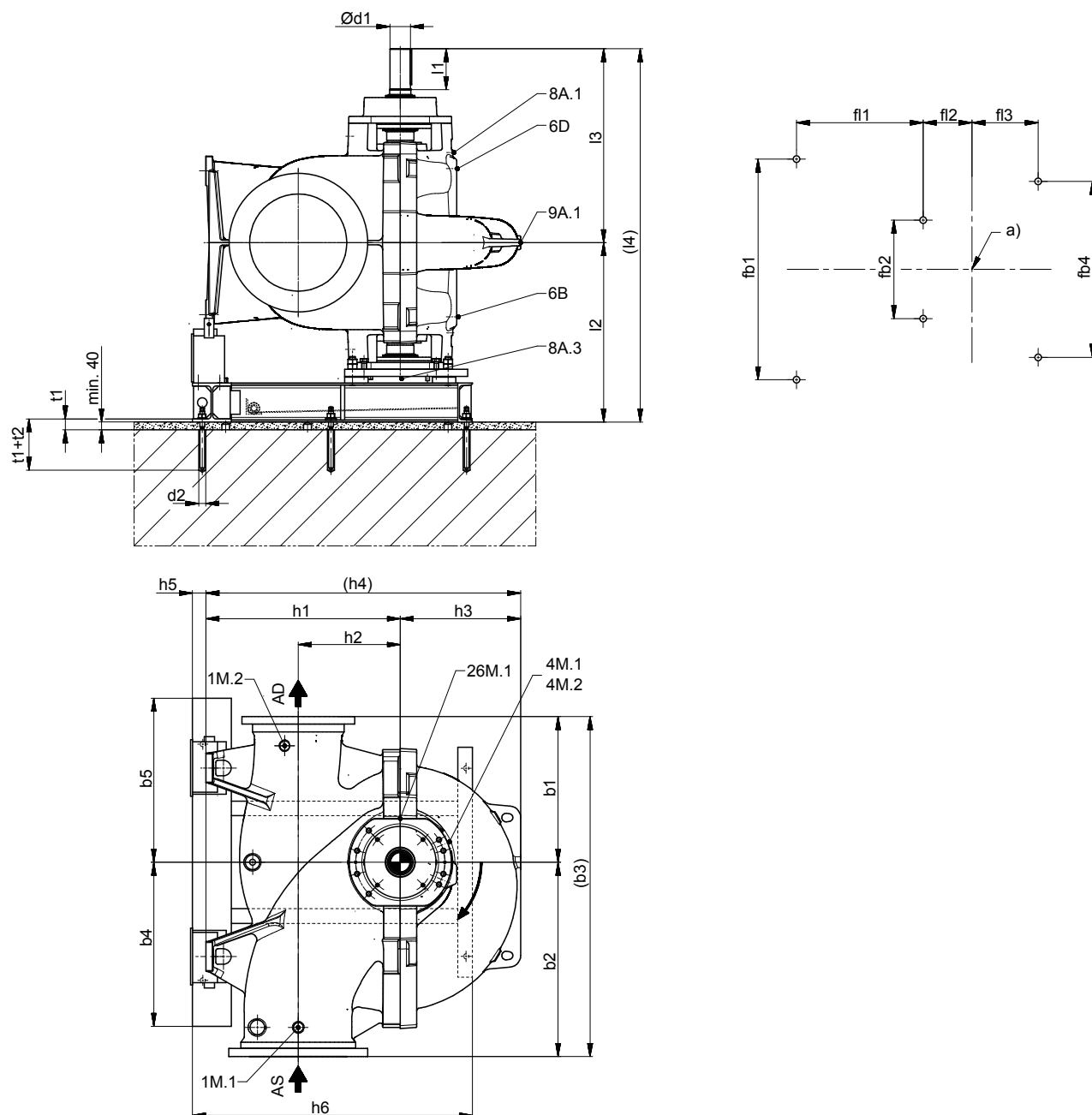
Dimensions of baseplate and foundation, motor and weights; chemical anchors: M24 x 300, quantity = 12 nos.

Size	Motor	Power P ₂ 50 Hz [kW]	Number of poles	Baseplate No. RD3ES01_...	Baseplate and foundation															Motor		Baseplate	Motor
					b ₂	G ₁	G ₂	I ₃	I ₄	I ₅	I ₆	I ₉	I ₁₁	h ₄	h ₅	h ₆	h ₈	L	i	q	h ₇		
					[mm]															[mm]		[kg]	
0600-0600	355M	315	6	48	1530	1440	1590	2971	1120	590	550	85	58	755	2200	1430	230	320	485	1607	644	651	2040
0600-0600	355M	355	6	48	1530	1440	1590	2971	1120	590	550	85	58	755	2200	1430	230	320	485	1607	644	651	2250
0600-0600	355L	400	6	48	1530	1440	1590	2971	1120	590	550	85	58	755	2200	1430	230	320	485	1607	644	651	2240
0600-0600	400	450	6	49	1530	1440	1590	3112	1120	650	550	85	42	755	2200	1430	230	320	485	1835	785	659	2900
0600-0600	400	500	6	49	1530	1440	1590	3112	1120	650	550	85	42	755	2200	1430	230	320	485	1835	785	659	3100
0600-0600	400	560	6	49	1530	1440	1590	3112	1120	650	550	85	42	755	2200	1430	230	320	485	1835	865	659	3300
0600-0600	450	630	6	50	1530	1440	1590	3258	1120	695	550	85	53	755	2200	1430	230	320	485	1995	900	688	3800
0600-0600	450	710	6	50	1530	1440	1590	3258	1120	695	550	85	53	755	2200	1430	230	320	485	1995	820	688	4100
0600-0600	315L	132	8	46	1530	1440	1590	2670	1120	500	550	85	50	755	2200	1430	230	320	485	1262	500	583	1100
0600-0600	315L	160	8	46	1530	1440	1590	2670	1120	500	550	85	50	755	2200	1430	230	320	485	1422	540	583	1420
0600-0600	315L	200	8	47	1530	1440	1590	2759	1120	520	550	85	48	755	2200	1430	230	320	485	1512	540	607	1660
0600-0600	355S	250	8	48	1530	1440	1590	2971	1120	590	550	85	58	755	2200	1430	230	320	485	1607	644	651	2280
0600-0600	355M	315	8	48	1530	1440	1590	2971	1120	590	550	85	58	755	2200	1430	230	320	485	1607	644	651	2360
0600-0705	400	450	6	53	1530	1440	1590	3122	1140	645	560	95	47	755	2045	1330	230	320	485	1835	785	632	2900
0600-0705	400	500	6	53	1530	1440	1590	3122	1140	645	560	95	47	755	2045	1330	230	320	485	1835	785	632	3100
0600-0705	400	560	6	53	1530	1440	1590	3122	1140	645	560	95	47	755	2045	1330	230	320	485	1835	865	632	3300
0600-0705	450	630	6	54	1530	1440	1590	3268	1140	690	560	95	58	755	2045	1330	230	320	485	1995	900	659	3800
0600-0705	450	710	6	54	1530	1440	1590	3268	1140	690	560	95	58	755	2045	1330	230	320	485	1995	820	659	4100
0600-0705	450	800	6	54	1530	1440	1590	3268	1140	690	560	95	58	755	2045	1330	230	320	485	1995	900	659	4300
0600-0705	315L	200	8	51	1530	1440	1590	2769	1140	520	560	95	53	755	2045	1330	230	320	485	1512	540	585	1660
0600-0705	355S	250	8	52	1530	1440	1590	2981	1140	590	560	95	48	755	2045	1330	230	320	485	1607	644	625	2280
0600-0705	355M	315	8	52	1530	1440	1590	2981	1140	590	560	95	48	755	2045	1330	230	320	485	1607	644	625	2360
0600-0705	400	355	8	53	1530	1440	1590	3122	1140	645	560	95	47	755	2045	1330	230	320	485	1835	842	632	3000
0600-0705	400	400	8	53	1530	1440	1590	3122	1140	645	560	95	47	755	2045	1330	230	320	485	1835	785	632	3100
0600-0705	400	450	8	53	1530	1440	1590	3122	1140	645	560	95	47	755	2045	1330	230	320	485	1835	785	632	3300
0600-0705	450	500	8	54	1530	1440	1590	3268	1140	690	560	95	58	755	2045	1330	230	320	485	1995	820	659	3800
0600-0705	450	560	8	54	1530	1440	1590	3268	1140	690	560	95	58	755	2045	1330	230	320	485	1995	820	659	4000
0600-0885	400	355	8	55	1780	1690	1840	3294	1120	710	550	85	44	785	2325	1535	235	320	485	1835	842	741	3000
0600-0885	400	355	8	55	1780	1690	1840	3294	1120	710	550	85	44	785	2325	1535	235	320	485	1835	842	741	3000
0600-0885	400	400	8	55	1780	1690	1840	3294	1120	710	550	85	44	785	2325	1535	235	320	485	1835	785	741	3100
0600-0885	400	400	8	55	1780	1690	1840	3294	1120	710	550	85	44	785	2325	1535	235	320	485	1835	785	741	3100
0600-0885	400	450	8	55	1780	1690	1840	3294	1120	710	550	85	44	785	2325	1535	235	320	485	1835	785	741	3300
0600-0885	400	450	8	55	1780	1690	1840	3294	1120	710	550	85	44	785	2325	1535	235	320	485	1835	785	741	3300
0600-0885	450	500	8	56	1780	1690	1840	3440	1120	755	550	85	55	785	2325	1535	235	320	485	1995	820	772	3800
0600-0885	450	500	8	56	1780	1690	1840	3440	1120	755	550	85	55	785	2325	1535	235	320	485	1995	820	772	3800
0600-0885	450	560	8	56	1780	1690	1840	3440	1120	755	550	85	55	785	2325	1535	235	320	485	1995	820	772	4000
0600-0885	450	560	8	56	1780	1690	1840	3440	1120	755	550	85	55	785	2325	1535	235	320	485	1995	820	772	4000
0600-0885	450	630	8	56	1780	1690	1840	3440	1120	755	550	85	55	785	2325	1535	235	320	485	1995	900	772	4300
0600-0885	450	630	8	56	1780	1690	1840	3440	1120	755	550	85	55	785	2325	1535	235	320	485	1995	900	772	4300

 Further information on chemical anchors (⇒ Page 28) .

DJ

Dimensions of a vertically installed RDLO V pump, installation type DJ



a) = centre of pump

AS, AD, D₁, D₂, s₁, s₂: (⇒ Page 31)

t₁, t₂, d₂: (⇒ Page 28)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155-h₆

Information on installation:

This drawing is not to true to scale; it serves as an example only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction and discharge nozzle. The pump must not be connected with unbraced expansion joints.

Grout all areas of the baseplates completely with non-shrinking concrete. Observe the required compressive strength class C25/30 of the concrete in exposure class XC1 as per EN 206-1.

Dimensions of pump and shaft [mm]

Size	Pump						Shaft		Pump	Water fill
	a ₁	a ₂	h ₂	h ₃	h ₄	h ₅	d ₁	l ₁		[kg] ⁵⁾
0350-0575	900	700	475	550	879	1835	95	210	2705	390
0350-0690	900	750	475	550	879	1835	95	210	2965	400
0350-0850	1000	900	575	650	915	1913	105	210	4000	550
0400-0525	750	700	475	530	915	1913	105	210	2600	510
0400-0580	900	700	475	515	879	1835	95	210	2790	430
0400-0665	1000	750	525	620	915	1913	105	210	3415	620
0400-0705	900	800	450	570	879	1835	95	210	2840	500
0400-0880	1000	1000	550	645	950	2066	125	250	4050	750
0400-0935	1050	1000	550	650	879	1835	95	210	3750	620
0500-0525	1000	750	525	600	921	1919	95	210	3000	735
0500-0585	1100	800	550	680	1015	2113	105	210	4560	960
0500-0685	1100	800	575	670	1015	2113	105	210	4510	930
0500-0835	1150	1100	575	690	1000	2166	125	250	5050	970
0500-0860	1200	900	700	775	1000	2166	125	250	5390	1120
0500-1015	1200	1100	725	750	1000	2166	125	250	6030	1050
0500-1035	1250	1100	700	800	1000	2166	125	250	5900	1250
0600-0600	1200	900	675	770	1015	2113	105	210	5020	1390
0600-0705	1150	1000	575	715	1015	2113	105	210	5150	1230
0600-0885	1300	1100	750	790	1040	2320	145	290	6200	1530
0600-1075	1250	1200	750	850	1040	2320	145	290	7475	1570
0700-0980	1500	1250	850	920	1125	2490	145	290	8865	2180

Dimensions of pump foot and foundation [mm]

Size	Pump foot and foundation														
	fb ₁	fb ₂	fb ₃	fb ₄	fl ₁	fl ₂	fl ₃	fl ₄	fl ₅	fl ₆	m ₃	m ₄	n ₅	n ₇	[kg] ⁵⁾⁶⁾
0350-0575	1130	525	120	900	660	255	345	120	345	225	1340	965	1530	1100	305
0350-0690	1130	525	120	900	660	255	345	120	345	225	1340	965	1530	1100	305
0350-0850	1130	525	120	900	660	355	245	120	345	225	1065	965	1530	1100	325
0400-0525	1130	525	120	900	660	255	345	120	345	225	1340	965	1530	1100	325
0400-0580	1130	525	120	900	660	255	345	120	345	225	1340	965	1530	1100	305
0400-0665	1130	525	120	900	660	355	245	120	345	225	1340	1065	1530	1100	325
0400-0705	1130	525	120	900	660	255	345	120	345	225	1340	965	1530	1100	305
0400-0880	1500	580	120	900	760	255	465	120	345	225	1560	1065	1900	1100	345
0400-0935	1130	525	120	900	660	355	245	120	345	225	1340	1065	1530	1100	305
0500-0525	1130	525	120	900	660	355	245	120	345	255	1340	1065	1530	1100	325
0500-0585	1250	525	120	900	760	355	365	120	345	225	1560	1165	1650	1100	335
0500-0685	1250	525	120	900	760	355	365	120	345	225	1560	1165	1650	1100	335
0500-0835	1500	580	120	900	760	355	365	120	345	225	1560	1165	1900	1100	345
0500-0860	1500	580	120	900	760	455	265	120	345	225	1560	1265	1900	1100	345
0500-1015	1500	580	120	900	760	455	265	120	345	225	1560	1265	1900	1100	345
0500-1035	1500	580	120	900	760	455	265	120	345	225	1560	1265	1900	1100	345
0600-0600	1250	525	120	900	760	455	265	120	345	225	1560	1265	1650	1100	335
0600-0705	1250	525	120	900	760	355	365	120	345	225	1560	1165	1650	1100	335
0600-0885	1500	580	120	900	1045	270	480	120	345	225	1875	1365	1900	1100	370
0600-1075	1500	580	120	900	1045	270	480	120	345	225	1875	1365	1900	1100	370
0700-0980	1500	580	120	900	1045	470	280	120	345	225	1875	1565	1900	1100	370

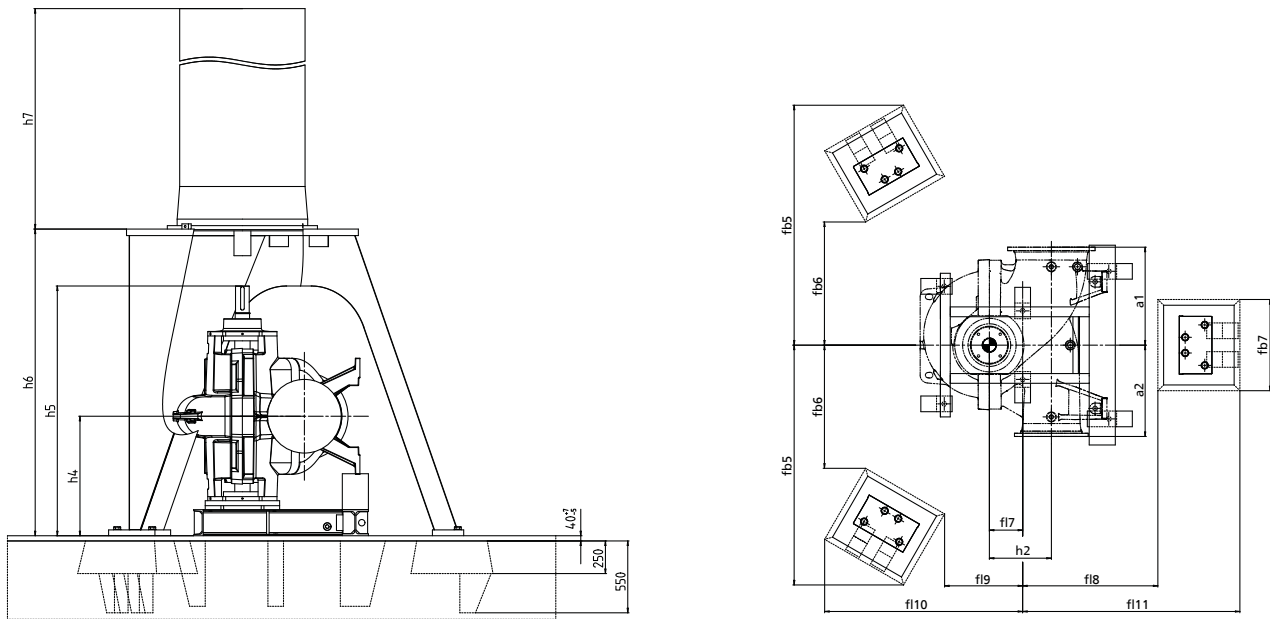
Chemical anchors: M30 × 380, quantity: 6 nos.

 Further information on chemical anchors (⇒ Page 28) .

- 5) The weights indicated are for orientation only; they may differ depending on the material variant. For material variant DD₃₅ the indicated pump weights must be multiplied by 1.08.
- 6) The weight indicated refers to the pump foot.

DP

Dimensions of a vertically installed RDLO pump, installation type DP



Dimensions and weights for pump / pump foot and foundation: (⇒ Page 24)

Permissible dimensional deviations for dimensions without tolerance indication:

- General: ISO 2768 CK
- Shaft centreline heights: DIN 747
- Welded parts: ISO 8062-3-DCTG11
- Flange position: ISO 8062-3-DCTG11
- Flanges: to the corresponding standard
- Keyway and key: DIN 6885, sheet 1
- Shaft diameter (coupling): DIN 7155-h₆

Information on installation:

This drawing is not to true to scale; it serves as an example only. The dimensions and weights of the motors and motor brackets are non-binding and provided for general planning purposes only. They are based on non-standardised motors produced by Siemens. A binding general arrangement drawing will be provided on request and against provision of a binding motor outline drawing only. The piping must be connected without transmitting any stresses or strains. The pump must not be used as support for the piping. Pipes must be fastened without transmitting any forces, vibrations or pipe weight to the pump. Observe the limits for forces and moments at the suction nozzle and at the discharge nozzle. The pump must not be connected with unbraced expansion joints.

Grout all areas of the baseplates completely with non-shrinking concrete. Observe the required compressive strength class C25/30 of the concrete in exposure class XC1 as per EN 206-1.

Dimensions of motor bracket, motor and foundation

Dimensions of motor bracket, motor and foundation

Size	Motor (Siemens)	P ₂	Frequency / Number of poles	Baseplate No.	Motor bracket / motor / foundation										Motor pedestal ⁷⁾	Motor ⁸⁾
					fb ₅	fb ₆	fb ₇	fl ₇	fl ₈	fl ₉	fl ₁₀	fl ₁₁	h ₆	h ₇		
		[kW]			[mm]										[kg]	
0350-0575	1LA4 454-4AN	1050	50Hz-4pol e	1	1724	831	698	255	906	533	1452	1534	2271	2186	1230	5200
0350-0575	1LA4 560-4CN	1870	60Hz-4pol e	1	1724	831	698	255	906	533	1452	1534	2271	2186	1230	8100
0350-0690	1LA4 560-4CN	1700	50Hz-4pol e	4	2084	1191	698	255	1322	741	1660	1950	2345	2531	1704	8100
0350-0690	1LA4 564-4CN	2350	60Hz-4pol e	4	2084	1191	698	255	1322	741	1660	1950	2345	2531	1704	9700
0400-0580	1LA4 504-4AN	1450	50Hz-4pol e	3	1897	1004	698	255	1106	633	1552	1734	2289	2321	1443	6800
0400-0705	1LA4 564-4CN	2200	50Hz-4pol e	5	2084	1191	698	255	1322	741	1660	1950	2345	2531	1704	9700
0400-0705	1LA4 500-6CN	1195	60Hz-6pol e	5	2084	1191	698	255	1322	741	1660	1950	2345	2531	1704	6400
0400-0935	1LA4 564-6CN	1900	50Hz-6pol e	6	2084	1191	698	355	1222	841	1760	1850	2359	2531	1707	10100
0400-0935	1LA4 562-8CN	1400	60Hz-8pol e	6	2084	1191	698	355	1222	841	1760	1850	2359	2531	1707	9200
0350-0850	1RA4 504-4HE	2650	50Hz-4pol e	7	1897	1004	698	355	1006	733	1652	1634	2423	2116	1909	6150
0400-0525	1LA4 454-4AN	1050	50Hz-4pol e	2	1837	943	698	255	1036	598	1517	1664	2349	2186	1431	5200
0400-0525	1LA8 453-8AB	575	60Hz-8pol e	2	1837	943	698	255	1036	598	1517	1664	2349	1783	1431	4000
0400-0665	1LA4 564-4CN	2200	50Hz-4pol e	11	2084	1191	698	355	1222	841	1760	1850	2423	2531	2199	9700
0400-0665	1LA4 502-6CN	1290	60Hz-6pol e	11	2084	1191	698	355	1222	841	1760	1850	2423	2531	2199	6800
0500-0525	1LA8 453-6AB	630	50Hz-6pol e	21	1875	982	698	355	980	720	1639	1608	2365	1783	1257	4000
0500-0525	1LA8 453-6AB	725	60Hz-6pol e	21	1875	982	698	355	980	720	1639	1608	2365	1783	1257	4000
0500-0585	1LA8 453-6AB	630	50Hz-6pol e	12	1875	982	698	355	980	720	1639	1608	2514	1956	2241	4200
0500-0585	1LA4 500-6CN	1160	60Hz-6pol e	12	1875	982	698	355	980	720	1639	1608	2514	1956	2241	6400
0500-0685	1LA4 500-6CN	1040	50Hz-6pol e	8	1897	1004	698	355	1006	733	1652	1634	2567	2321	2153	6400
0500-0685	1LA4 560-6CN	1570	60Hz-6pol e	8	1897	1004	698	355	1006	733	1652	1634	2567	2321	2153	8500
0600-0600	1LA8 455-6AB	710	50Hz-6pol e	10	1875	982	698	455	880	820	1739	1508	2549	2186	2180	4200
0600-0600	1LA4 502-6CN	1290	60Hz-6pol e	10	1875	982	698	455	880	820	1739	1508	2549	2186	2180	6800
0600-0705	1LA4 504-6CN	1270	50Hz-6pol e	9	1897	1004	698	355	1006	733	1652	1634	2583	2321	2158	7300
0600-0705	1LA4 632-6CN	2255	60Hz-6pol e	9	1897	1004	698	355	1006	733	1652	1634	2583	2321	2158	12700
0400-0880	1RA4 562-4HE	4000	50Hz-4pol e	13	2084	1191	698	255	1322	741	1660	1950	2616	2086	2482	7700
0500-0835	1LA4 560-6CN	1470	50Hz-6pol e	14	2084	1191	698	355	1222	841	1760	1850	2676	2531	2503	8500
0500-0835	1LA4 634-6CN	2530	60Hz-6pol e	14	2084	1191	698	355	1222	841	1760	1850	2676	2531	2503	13400
0500-0860	1RA4 562-6HE	3750	50Hz-6pol e	15	2084	1191	698	455	1122	941	1860	1750	2716	2871	2517	8800
0500-0860	1LA4 632-6CN	2255	60Hz-6pol e	15	2084	1191	698	455	1122	941	1860	1750	2716	2871	2517	12700

7) Dimensions are non-binding / Dimensions are based on Siemens motors.

8) Weights are non-binding / Weights are based on Siemens motors.

Size	Motor (Siemens)	P ₂	Frequency / Number of poles	Baseplate No.	Motor bracket / motor / foundation										Motor pedestal ⁹⁾	Motor ⁸⁾
					fb ₅	fb ₆	fb ₇	fl ₇	fl ₈	fl ₉	fl ₁₀	fl ₁₁	h ₆	h ₇		
		[kW]			[mm]										[kg]	
0500-1015	1LA4 636-6CN	2500	50Hz-6pole	16	2084	1191	698	455	1122	941	1860	1750	2716	2871	2517	14100
0500-1015	1LA4 634-8CN	1792	60Hz-8pole	16	2084	1191	698	455	1122	941	1860	1750	2716	2871	2517	13400
0500-1035	1RA4 564-6HE	3450	50Hz-6pole	17	2084	1191	698	455	1122	941	1860	1750	2782	2316	2540	8800
0500-1035	1RA4 562-8HE	2700	60Hz-8pole	17	2084	1191	698	455	1122	941	1860	1750	2782	2316	2540	7900
0600-0885	1LA4 636-6CN	2500	50Hz-6pole	18	2084	1191	698	270	1307	756	1675	1935	2870	2871	2817	14100
0600-0885	1RA4 564-6HE	4150	60Hz-6pole	18	2084	1191	698	270	1307	756	1675	1935	2870	2871	2817	8800
0600-1075	1RA4 630-6HE	4200	50Hz-6pole	19	2489	1596	698	270	1775	990	1909	2403	2980	2466	3410	11900
0700-0980	1RA4 632-6HE	4700	50Hz-6pole	20	2489	1596	698	470	1575	1190	2109	2203	3150	2466	3490	12450

Chemical anchors: M30 × 380, quantity: 6 nos.

Further information on chemical anchors (⇒ Page 28) .

Chemical anchors

Chemical anchor dimensions

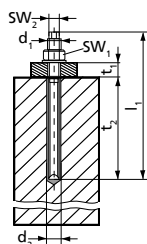


Fig. 16: Dimensions

Chemical anchor dimensions

Size (d ₁ × l ₁)	d ₂	t ₁	t ₂	SW ₁	SW ₂	M _{d1}
	[mm]					[Nm]
M10 × 130	12	22	90	17	6	20
M12 × 160	14	25	110	19	8	40
M16 × 200	18	50	125	24	12	60
M20 × 260	25	65	170	30	14	120
M24 × 300 ¹⁰⁾	28	65	210	36	17	180
M30 × 380 ¹⁰⁾	35	65	280	46	-	400

9) SW = Width across flats

10) Mounting accessories of the respective manufacturer are required.

Overview of product features / selection tables

Combinations of motor, base frame, coupling and coupling guard for installation type 3E

 The combinations of motor, base frame, coupling and coupling guard only apply to KSB standard motors.

Overview: Combinations of motor, base frame, coupling and coupling guard for installation type 3E, number of poles: 8

P [kW] 50 Hz/8-pole		Bearings/ lubrication		90,0	110,0	132,0	160,0	200,0	250,0	315,0	355,0	400,0	450,0	500,0	560,0	630,0
Size	Number of poles			315L	315L	315L	315L	315L	355S	355M	400	400	400	450	450	450
		Grease	Oil													
0350-0690	8	X	X	-	02-a-A	02-a-A	02-a-A	03-b-A	04-c-A	04-c-A	05-d-B	-	-	-	-	-
0400-0525	8	X	X	07-b-A	07-b-A	07-b-A	07-b-A	08-b-A	-	-	-	-	-	-	-	-
0400-0580	8	X	X	-	12-a-A	12-a-A	12-a-A	13-b-A	14-c-A	14-c-A	-	-	-	-	-	-
0400-0665	8	X	X	-	-	17-b-A	17-b-A	18-b-A	19-c-A	19-c-A	20-d-B	20-d-B	20-d-B	21-e-C	21-e-C	21-e-C
0400-0705	8	X	X	-	-	22-a-A	22-a-A	23-b-A	24-c-A	24-c-A	25-d-B	25-d-B	25-d-B	26-e-C	-	-
0400-0935	8	X	X	-	-	-	-	-	27-c-A	27-c-A	28-d-B	28-d-B	28-d-B	29-e-C	29-e-C	29-e-C
0500-0525	8	X	X	17-a-A	17-a-A	17-a-A	17-a-A	18-a-A	19-c-A	-	-	-	-	-	-	-
0500-0585	8	X	X	-	30-b-A	30-b-A	30-b-A	31-b-A	32-c-A	32-c-A	33-d-B	33-d-B	33-d-B	-	-	-
0500-0685	8	X	X	-	30-b-A	30-b-A	30-b-A	31-b-A	32-c-A	32-c-A	33-d-B	33-d-B	33-d-B	34-e-C	34-e-C	34-e-C
0500-0835	8	X	-	-	-	-	35-d-B	36-d-B	37-d-B	37-d-B	38-d-C	38-d-C	38-d-C	39-e-C	39-e-C	39-e-C
0500-0835	8	-	X	-	-	-	35-d-D	36-d-D	37-d-D	37-d-D	38-d-D	38-d-D	38-d-D	39-e-D	39-e-D	39-e-D
0500-0860	8	X	-	-	-	-	-	-	40-d-B	40-d-B	41-d-C	41-d-C	41-d-C	42-e-C	42-e-C	42-e-C
0500-0860	8	-	X	-	-	-	-	-	40-d-D	40-d-D	41-d-D	41-d-D	41-d-D	42-e-D	42-e-D	42-e-D
0500-1015	8	X	-	-	-	-	-	-	43-d-B	43-d-B	44-d-C	44-d-C	44-d-C	45-e-C	45-e-C	45-e-C
0500-1015	8	-	X	-	-	-	-	-	43-d-D	43-d-D	44-d-D	44-d-D	44-d-D	45-e-D	45-e-D	45-e-D
0500-1035	8	X	-	-	-	-	-	-	43-d-B	44-d-C	44-d-C	44-d-C	44-d-C	45-e-C	45-e-C	45-e-C
0500-1035	8	-	X	-	-	-	-	-	43-d-D	44-d-D	44-d-D	44-d-D	44-d-D	45-e-D	45-e-D	45-e-D
0600-0600	8	X	X	-	-	46-b-A	46-b-A	47-b-A	48-c-A	48-c-A	-	-	-	-	-	-
0600-0705	8	X	X	-	-	-	-	51-b-A	52-c-A	52-c-A	53-d-B	53-d-B	53-d-B	54-e-C	54-e-C	-
0600-0885	8	X	-	-	-	-	-	-	-	-	55-e-C	55-e-C	55-e-C	56-e-C	56-e-C	56-e-C
0600-0885	8	-	X	-	-	-	-	-	-	-	55-e-D	55-e-D	55-e-D	56-e-D	56-e-D	56-e-D

Overview: Combinations of motor, base frame, coupling and coupling guard for installation type 3E, number of poles: 6

P [kW] 50 Hz/6-pole		Bearings/ lubrication		90,0	110,0	132,0	160,0	250,0	315,0	200,0	355,0	400,0	450,0	500,0	560,0	630,0	710,0	800,0
Size	Number of poles	Grease	Oil	315M	315L	315L	315L	315L	355M	315L	355M	355L	400	400	400	450	450	450
0350-0575	6	✗	✗	01-a-A	02-a-A	02-a-A	02-a-A	03-a-A	04-c-A	-	-	-	-	-	-	-	-	-
0350-0690	6	✗	✗	-	02-a-A	02-a-A	02-a-A	03-b-A	04-c-A	02-a-A	04-c-A	04-c-A	05-d-B	05-d-B	-	-	-	-
0400-0525	6	✗	✗	-	07-b-A	07-b-A	07-b-A	08-b-A	09-c-A	07-b-A	-	-	-	-	-	-	-	-
0400-0580	6	✗	✗	-	12-a-A	12-a-A	12-a-A	13-b-A	14-c-A	12-a-A	14-c-A	14-c-A	15-d-B	15-d-B	-	-	-	-
0400-0665	6	✗	✗	-	-	-	-	18-b-A	19-c-A	17-b-A	19-c-A	19-c-A	20-d-B	20-d-B	20-d-B	21-e-C	21-e-C	21-e-C
0400-0705	6	✗	✗	-	-	22-a-A	22-a-A	23-b-A	24-c-A	22-a-A	24-c-A	24-c-A	25-d-B	25-d-B	25-d-B	26-e-C	26-e-C	-
0400-0935	6	✗	✗	-	-	-	-	-	-	-	-	-	-	-	28-d-B	29-e-C	29-e-C	29-e-C
0500-0525	6	✗	✗	-	-	-	-	18-a-A	19-c-A	17-a-A	19-c-A	19-c-A	20-d-B	20-d-B	20-d-B	21-e-C	21-e-C	-
0500-0585	6	✗	✗	-	-	-	-	31-b-A	32-c-A	-	32-c-A	32-c-A	33-d-B	33-d-B	33-d-B	34-e-C	-	-
0500-0685	6	✗	✗	-	-	-	-	-	32-c-A	-	32-c-A	32-c-A	33-d-B	33-d-B	33-d-B	34-e-C	34-e-C	34-e-C
0500-0835	6	✗	-	-	-	-	-	-	-	-	37-d-B	37-d-B	38-d-C	38-d-C	38-d-C	39-e-C	39-e-C	39-e-C
0500-0835	6	-	✗	-	-	-	-	-	-	-	37-d-D	37-d-D	38-d-D	38-d-D	38-d-D	39-e-D	39-e-D	39-e-D
0500-0860	6	✗	-	-	-	-	-	-	-	-	-	-	-	-	41-d-C	42-e-C	42-e-C	42-e-C
0500-0860	6	-	✗	-	-	-	-	-	-	-	-	-	-	-	41-d-D	42-e-D	42-e-D	42-e-D
0600-0600	6	✗	✗	-	-	-	-	-	48-c-A	-	48-c-A	48-c-A	49-d-B	49-d-B	49-d-B	50-e-C	50-e-C	-
0600-0705	6	✗	✗	-	-	-	-	-	-	-	-	-	53-d-B	53-d-B	53-d-B	54-e-C	54-e-C	54-e-C

Overview: Combinations of motor, base frame, coupling and coupling guard for installation type 3E, number of poles: 4

P [kW] 50 Hz/4-pole		Bearings/ lubrication		200,0	250,0	315,0	355,0	400,0	500,0	560,0	630,0	710,0	800,0	900,0	1000,0
Size	Number of poles	Grease	Oil	315L	315L	315L	355M	355L	355L	400	400	400	450	450	450
0350-0575	4	✗	✗	02-a-A	02-a-A	02-a-A	04-c-A	04-c-A	04-c-A	05-d-C	05-d-C	05-d-C	06-e-C	06-e-C	06-e-C
0350-0690	4	✗	✗	-	-	-	04-c-A	04-c-A	04-c-A	05-d-B	05-d-B	05-d-B	06-e-C	06-e-C	06-e-C
0400-0525	4	✗	✗	-	-	-	09-c-A	09-c-A	09-c-A	10-d-B	10-d-B	10-d-B	11-e-C	11-e-C	11-e-C
0400-0580	4	✗	✗	-	-	-	14-c-A	14-c-A	14-c-A	15-d-B	15-d-B	15-d-B	16-e-C	16-e-C	16-e-C
0400-0665	4	✗	✗	-	-	-	-	-	-	20-d-B	20-d-B	20-d-B	21-e-C	21-e-C	21-e-C
0400-0705	4	✗	✗	-	-	-	-	24-c-A	24-c-A	25-d-B	25-d-B	25-d-B	26-e-C	26-e-C	26-e-C

Example: 1-a-A

Key to the code

Code	Description
1	Base frame ¹¹⁾
a	Coupling
A	Coupling guard

Coupling code

Code number	Flexible coupling, 3-piece, N-Eupex
a	250
b	280
c	315
d	350
e	400

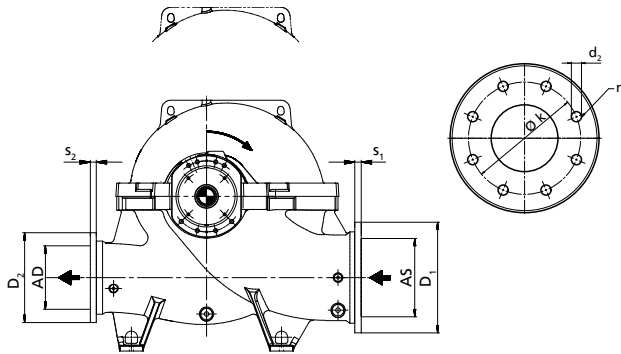
Coupling guard code

Code number	Coupling guard	
	Non-tread-proof	Tread-proof
A	A400	370
B	A453	450
C	A503	450
D	A600	550

11) The base frame corresponds to the base frame No. for installation type 3E.

Flange designs

Flange design to DIN EN



Example: DIN EN 1092-1/DN 500/PN 16/21-A

Key to the designation

Code	Description
DIN EN 1092-1	Standard
DN 500	Nominal size [mm]
PN 16	Pressure class [bar]

Code	Description
21-A	Flange design
21	Integral flange
A	Flat face
B	Raised face

The pressure classes of discharge and suction side must be identical. The bolt hole pattern and the flange faces comply with the Standard. The flange thickness s_1 and flange diameter D_1 may exceed the values indicated in the Standard. The flanges are designed with a flat face as a standard (type A/FF). Special designs with raised face (type B/RF) are available against a surcharge. For dimensional deviations, the tolerances of the respective flange standard shall apply.

Flange dimensions to DIN EN [mm]

Size	Material variant	Flange material	Suction side								Discharge side							
			Standard	Pressure class	AS	D ₁	s ₁	k	d ₂	n	Standard	Pressure class	AD	D ₂	s ₂	k	d ₂	n
					[mm]					[Qty]			[mm]					[Qty]
0350-0575	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	400	565	32	515	28	16	DIN EN 1092-2	PN10	350	505	30	460	23	16
0350-0575	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	400	580	38	525	31	16	DIN EN 1092-2	PN16	350	520	36	470	28	16
0350-0575	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	400	-	-	-	-	-	DIN EN 1092-2	PN25	350	-	-	-	-	-
0350-0575	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	400	565	24,5	515	28	16	DIN EN 1092-2	PN10	350	505	24,5	460	23	16
0350-0575	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	400	580	28	525	31	16	DIN EN 1092-2	PN16	350	520	26,5	470	28	16
0350-0575	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	400	620	32	550	37	16	DIN EN 1092-2	PN25	350	555	30	490	34	16
0350-0575	DD ₃₅	1.4517	DIN EN 1092-1	PN10	400	565	26	515	26	16	DIN EN 1092-1	PN10	350	505	26	460	22	16
0350-0575	DD ₃₅	1.4517	DIN EN 1092-1	PN16	400	580	32	525	30	16	DIN EN 1092-1	PN16	350	520	30	470	26	16
0350-0575	DD ₃₅	1.4517	DIN EN 1092-1	PN25	400	620	40	550	36	16	DIN EN 1092-1	PN25	350	555	38	490	33	16
0350-0690	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	400	565	32	515	28	16	DIN EN 1092-2	PN10	350	505	30	460	23	16
0350-0690	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	400	580	38	525	31	16	DIN EN 1092-2	PN16	350	520	36	470	28	16
0350-0690	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	400	-	-	-	-	-	DIN EN 1092-2	PN25	350	-	-	-	-	-
0350-0690	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	400	565	24,5	515	28	16	DIN EN 1092-2	PN10	350	505	24,5	460	23	16
0350-0690	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	400	580	28	525	31	16	DIN EN 1092-2	PN16	350	520	26,5	470	28	16
0350-0690	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	400	620	32	550	37	16	DIN EN 1092-2	PN25	350	555	30	490	34	16
0350-0690	DD ₃₅	1.4517	DIN EN 1092-1	PN10	400	565	26	515	26	16	DIN EN 1092-1	PN10	350	505	26	460	22	16
0350-0690	DD ₃₅	1.4517	DIN EN 1092-1	PN16	400	580	32	525	30	16	DIN EN 1092-1	PN16	350	520	30	470	26	16
0350-0690	DD ₃₅	1.4517	DIN EN 1092-1	PN25	400	620	40	550	36	16	DIN EN 1092-1	PN25	350	555	38	490	33	16
0350-0850	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	500	-	-	-	-	-	DIN EN 1092-2	PN10	350	-	-	-	-	-
0350-0850	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	500	-	-	-	-	-	DIN EN 1092-2	PN16	350	-	-	-	-	-
0350-0850	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	500	-	-	-	-	-	DIN EN 1092-2	PN25	350	-	-	-	-	-
0350-0850	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	500	-	-	-	-	-	DIN EN 1092-2	PN10	350	-	-	-	-	-
0350-0850	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	500	715	31,5	650	34	20	DIN EN 1092-2	PN16	350	520	26,5	470	28	16
0350-0850	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	500	730	36,5	660	37	20	DIN EN 1092-2	PN25	350	555	30	490	34	16
0350-0850	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN40	500	755	52	670	44	20	DIN EN 1092-2	PN40	350	580	44	510	37	16
0350-0850	DD ₃₅	1.4517	DIN EN 1092-1	PN10	500	-	-	-	-	-	DIN EN 1092-1	PN10	350	-	-	-	-	-
0350-0850	DD ₃₅	1.4517	DIN EN 1092-1	PN16	500	715	44	650	33	20	DIN EN 1092-1	PN16	350	520	30	470	26	16
0350-0850	DD ₃₅	1.4517	DIN EN 1092-1	PN25	500	730	48	660	36	20	DIN EN 1092-1	PN25	350	555	38	490	33	16
0350-0850	DD ₃₅	1.4517	DIN EN 1092-1	PN40	500	755	57	670	42	20	DIN EN 1092-1	PN40	350	580	46	510	36	16
0400-0525	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	500	670	34	620	28	20	DIN EN 1092-2	PN10	400	565	32	515	28	16
0400-0525	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	500	715	42	650	34	20	DIN EN 1092-2	PN16	400	580	38	525	31	16
0400-0525	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	500	-	-	-	-	-	DIN EN 1092-2	PN25	400	-	-	-	-	-
0400-0525	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	500	670	26,5	620	28	20	DIN EN 1092-2	PN10	400	565	24,5	515	28	16
0400-0525	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	500	715	31,5	650	34	20	DIN EN 1092-2	PN16	400	580	28	525	31	16
0400-0525	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	500	-	-	-	-	-	DIN EN 1092-2	PN25	400	-	-	-	-	-
0400-0525	DD ₃₅	1.4517	DIN EN 1092-1	PN10	500	670	28	620	26	20	DIN EN 1092-1	PN10	400	565	26	515	26	16
0400-0525	DD ₃₅	1.4517	DIN EN 1092-1	PN16	500	715	44	650	33	20	DIN EN 1092-1	PN16	400	580	32	525	30	16

Size	Material variant	Flange material	Suction side								Discharge side							
			Standard	Pressure class	AS	D ₁	s ₁	k	d ₂	n	Standard	Pressure class	AD	D ₂	s ₂	k	d ₂	n
					[mm]					[Qty]			[mm]					[Qty]
0400-0525	DD ₃₅	1.4517	DIN EN 1092-1	PN25	500	-	-	-	-	-	DIN EN 1092-1	PN25	400	-	-	-	-	-
0400-0580	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	500	670	34	620	28	20	DIN EN 1092-2	PN10	400	565	32	515	28	16
0400-0580	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	500	-	-	-	-	-	DIN EN 1092-2	PN16	400	-	-	-	-	-
0400-0580	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	500	-	-	-	-	-	DIN EN 1092-2	PN25	400	-	-	-	-	-
0400-0580	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	500	670	26,5	620	28	20	DIN EN 1092-2	PN10	400	565	24,5	515	28	16
0400-0580	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	500	715	31,5	650	34	20	DIN EN 1092-2	PN16	400	580	28	525	31	16
0400-0580	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	500	-	-	-	-	-	DIN EN 1092-2	PN25	400	-	-	-	-	-
0400-0580	DD ₃₅	1.4517	DIN EN 1092-1	PN10	500	670	28	620	26	20	DIN EN 1092-1	PN10	400	565	26	515	26	16
0400-0580	DD ₃₅	1.4517	DIN EN 1092-1	PN16	500	715	44	650	33	20	DIN EN 1092-1	PN16	400	580	32	525	30	16
0400-0580	DD ₃₅	1.4517	DIN EN 1092-1	PN25	500	-	-	-	-	-	DIN EN 1092-1	PN25	400	-	-	-	-	-
0400-0665	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	500	670	34	620	28	20	DIN EN 1092-2	PN10	400	565	32	515	28	16
0400-0665	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	500	715	42	650	34	20	DIN EN 1092-2	PN16	400	580	38	525	31	16
0400-0665	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	500	-	-	-	-	-	DIN EN 1092-2	PN25	400	-	-	-	-	-
0400-0665	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	500	670	26,5	620	28	20	DIN EN 1092-2	PN10	400	565	24,5	515	28	16
0400-0665	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	500	715	31,5	650	34	20	DIN EN 1092-2	PN16	400	580	28	525	31	16
0400-0665	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	500	730	36,5	660	37	20	DIN EN 1092-2	PN25	400	620	32	550	37	16
0400-0665	DD ₃₅	1.4517	DIN EN 1092-1	PN10	500	670	28	620	26	20	DIN EN 1092-1	PN10	400	565	26	515	26	16
0400-0665	DD ₃₅	1.4517	DIN EN 1092-1	PN16	500	715	44	650	33	20	DIN EN 1092-1	PN16	400	580	32	525	30	16
0400-0665	DD ₃₅	1.4517	DIN EN 1092-1	PN25	500	730	48	660	36	20	DIN EN 1092-1	PN25	400	620	40	550	36	16
0400-0705	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	500	670	34	620	28	20	DIN EN 1092-2	PN10	400	565	32	515	28	16
0400-0705	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	500	715	42	650	34	20	DIN EN 1092-2	PN16	400	580	38	525	31	16
0400-0705	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	500	-	-	-	-	-	DIN EN 1092-2	PN25	400	-	-	-	-	-
0400-0705	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	500	670	26,5	620	28	20	DIN EN 1092-2	PN10	400	565	24,5	515	28	16
0400-0705	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	500	715	31,5	650	34	20	DIN EN 1092-2	PN16	400	580	28	525	31	16
0400-0705	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	500	730	36,5	660	37	20	DIN EN 1092-2	PN25	400	620	32	550	37	16
0400-0705	DD ₃₅	1.4517	DIN EN 1092-1	PN10	500	670	28	620	26	20	DIN EN 1092-1	PN10	400	565	26	515	26	16
0400-0705	DD ₃₅	1.4517	DIN EN 1092-1	PN16	500	715	44	650	33	20	DIN EN 1092-1	PN16	400	580	32	525	30	16
0400-0705	DD ₃₅	1.4517	DIN EN 1092-1	PN25	500	730	48	660	36	20	DIN EN 1092-1	PN25	400	620	40	550	36	16
0400-0880	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	500	-	-	-	-	-	DIN EN 1092-2	PN10	400	-	-	-	-	-
0400-0880	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	500	-	-	-	-	-	DIN EN 1092-2	PN16	400	-	-	-	-	-
0400-0880	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	500	-	-	-	-	-	DIN EN 1092-2	PN25	400	-	-	-	-	-
0400-0880	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	500	-	-	-	-	-	DIN EN 1092-2	PN10	400	-	-	-	-	-
0400-0880	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	500	715	31,5	650	34	20	DIN EN 1092-2	PN16	400	580	28	525	31	16
0400-0880	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	500	730	36,5	660	37	20	DIN EN 1092-2	PN25	400	620	32	550	37	16
0400-0880	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN40	500	755	52	670	44	20	DIN EN 1092-2	PN40	400	660	48	585	41	16
0400-0880	DD ₃₅	1.4517	DIN EN 1092-1	PN10	500	-	-	-	-	-	DIN EN 1092-1	PN10	400	-	-	-	-	-
0400-0880	DD ₃₅	1.4517	DIN EN 1092-1	PN16	500	715	44	650	33	20	DIN EN 1092-1	PN16	400	580	32	525	30	16
0400-0880	DD ₃₅	1.4517	DIN EN 1092-1	PN25	500	730	48	660	36	20	DIN EN 1092-1	PN25	400	620	40	550	36	16
0400-0880	DD ₃₅	1.4517	DIN EN 1092-1	PN40	500	755	57	670	42	20	DIN EN 1092-1	PN40	400	660	50	585	39	16
0400-0935	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	500	670	34	620	28	20	DIN EN 1092-2	PN10	400	565	32	515	28	16
0400-0935	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	500	715	42	650	34	20	DIN EN 1092-2	PN16	400	580	38	525	31	16
0400-0935	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	500	-	-	-	-	-	DIN EN 1092-2	PN25	400	-	-	-	-	-
0400-0935	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	500	670	26,5	620	28	20	DIN EN 1092-2	PN10	400	565	24,5	515	28	16
0400-0935	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	500	715	31,5	650	34	20	DIN EN 1092-2	PN16	400	580	28	525	31	16
0400-0935	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	500	730	36,5	660	37	20	DIN EN 1092-2	PN25	400	620	32	550	37	16
0400-0935	DD ₃₅	1.4517	DIN EN 1092-1	PN10	500	670	28	620	26	20	DIN EN 1092-1	PN10	400	565	26	515	26	16
0400-0935	DD ₃₅	1.4517	DIN EN 1092-1	PN16	500	715	44	650	33	20	DIN EN 1092-1	PN16	400	580	32	525	30	16
0400-0935	DD ₃₅	1.4517	DIN EN 1092-1	PN25	500	730	48	660	36	20	DIN EN 1092-1	PN25	400	620	40	550	36	16
0500-0525	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	600	780	36	725	31	20	DIN EN 1092-2	PN10	500	670	34	620	28	20
0500-0525	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	600	-	-	-	-	-	DIN EN 1092-2	PN16	500	-	-	-	-	-
0500-0525	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	600	-	-	-	-	-	DIN EN 1092-2	PN25	500	-	-	-	-	-
0500-0525	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	600	780	30	725	31	20	DIN EN 1092-2	PN10	500	670	26,5	620	28	20
0500-0525	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	600	-	-	-	-	-	DIN EN 1092-2	PN16	500	-	-	-	-	-
0500-0525	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	600	-	-	-	-	-	DIN EN 1092-2	PN25	500	-	-	-	-	-
0500-0525	DD ₃₅	1.4517	DIN EN 1092-1	PN10	600	780	34	725	30	20	DIN EN 1092-1	PN10	500	670	28	620	26	20
0500-0525	DD ₃₅	1.4517	DIN EN 1092-1	PN16	600	-	-	-	-	-	DIN EN 1092-1	PN16	500	-	-	-	-	-
0500-0525	DD ₃₅	1.4517	DIN EN 1092-1	PN25	600	-	-	-	-	-	DIN EN 1092-1	PN25	500	-	-	-	-	-
0500-0585	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	600	780	36	725	31	20	DIN EN 1092-2	PN10	500	670	34	620	28	20
0500-0585	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	600	-	-	-	-	-	DIN EN 1092-2	PN16	500	-	-	-</		

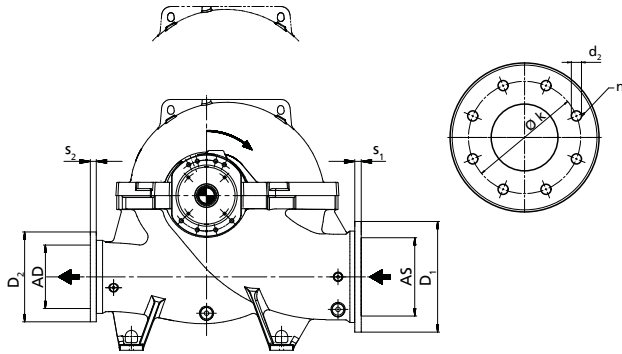
Size	Material variant	Flange material	Suction side								Discharge side							
			Standard	Pressure class	AS	D ₁	s ₁	k	d ₂	n	Standard	Pressure class	AD	D ₂	s ₂	k	d ₂	n
0500-0685	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	600	-	-	-	-	-	DIN EN 1092-2	PN25	500	-	-	-	-	-
0500-0685	DD ₃₅	1.4517	DIN EN 1092-1	PN10	600	780	34	725	30	20	DIN EN 1092-1	PN10	500	670	28	620	26	20
0500-0685	DD ₃₅	1.4517	DIN EN 1092-1	PN16	600	840	54	770	36	20	DIN EN 1092-1	PN16	500	715	44	650	33	20
0500-0685	DD ₃₅	1.4517	DIN EN 1092-1	PN25	600	-	-	-	-	-	DIN EN 1092-1	PN25	500	-	-	-	-	-
0500-0835	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	600	780	36	725	31	20	DIN EN 1092-2	PN10	500	670	34	620	28	20
0500-0835	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	600	840	48	770	37	20	DIN EN 1092-2	PN16	500	715	42	650	34	20
0500-0835	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	600	-	-	-	-	-	DIN EN 1092-2	PN25	500	-	-	-	-	-
0500-0835	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	600	780	30	725	31	20	DIN EN 1092-2	PN10	500	670	26,5	620	28	20
0500-0835	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	600	840	36	770	37	20	DIN EN 1092-2	PN16	500	715	31,5	650	34	20
0500-0835	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	600	845	42	770	41	20	DIN EN 1092-2	PN25	500	730	36,5	660	37	20
0500-0835	DD ₃₅	1.4517	DIN EN 1092-1	PN10	600	780	34	725	30	20	DIN EN 1092-1	PN10	500	670	28	620	26	20
0500-0835	DD ₃₅	1.4517	DIN EN 1092-1	PN16	600	840	54	770	36	20	DIN EN 1092-1	PN16	500	715	44	650	33	20
0500-0835	DD ₃₅	1.4517	DIN EN 1092-1	PN25	600	845	58	770	39	20	DIN EN 1092-1	PN25	500	730	48	660	36	20
0500-0860	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	600	780	36	725	31	20	DIN EN 1092-2	PN10	500	670	34	620	28	20
0500-0860	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	600	840	48	770	37	20	DIN EN 1092-2	PN16	500	715	42	650	34	20
0500-0860	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	600	-	-	-	-	-	DIN EN 1092-2	PN25	500	-	-	-	-	-
0500-0860	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	600	780	30	725	31	20	DIN EN 1092-2	PN10	500	670	26,5	620	28	20
0500-0860	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	600	840	36	770	37	20	DIN EN 1092-2	PN16	500	715	31,5	650	34	20
0500-0860	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	600	845	42	770	41	20	DIN EN 1092-2	PN25	500	730	36,5	660	37	20
0500-0860	DD ₃₅	1.4517	DIN EN 1092-1	PN10	600	780	34	725	30	20	DIN EN 1092-1	PN10	500	670	28	620	26	20
0500-0860	DD ₃₅	1.4517	DIN EN 1092-1	PN16	600	840	54	770	36	20	DIN EN 1092-1	PN16	500	715	44	650	33	20
0500-0860	DD ₃₅	1.4517	DIN EN 1092-1	PN25	600	845	58	770	39	20	DIN EN 1092-1	PN25	500	730	48	660	36	20
0500-1015	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	600	780	36	725	31	20	DIN EN 1092-2	PN10	500	670	34	620	28	20
0500-1015	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	600	840	48	770	37	20	DIN EN 1092-2	PN16	500	715	42	650	34	20
0500-1015	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	600	-	-	-	-	-	DIN EN 1092-2	PN25	500	-	-	-	-	-
0500-1015	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	600	780	30	725	31	20	DIN EN 1092-2	PN10	500	670	26,5	620	28	20
0500-1015	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	600	840	36	770	37	20	DIN EN 1092-2	PN16	500	715	31,5	650	34	20
0500-1015	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	600	845	42	770	41	20	DIN EN 1092-2	PN25	500	730	36,5	660	37	20
0500-1015	DD ₃₅	1.4517	DIN EN 1092-1	PN10	600	780	34	725	30	20	DIN EN 1092-1	PN10	500	670	28	620	26	20
0500-1015	DD ₃₅	1.4517	DIN EN 1092-1	PN16	600	840	54	770	36	20	DIN EN 1092-1	PN16	500	715	44	650	33	20
0500-1015	DD ₃₅	1.4517	DIN EN 1092-1	PN25	600	845	58	770	39	20	DIN EN 1092-1	PN25	500	730	48	660	36	20
0500-1035	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	600	780	36	725	31	20	DIN EN 1092-2	PN10	500	67				

Size	Material variant	Flange material	Suction side								Discharge side							
			Standard	Pressure class	AS	D ₁	s ₁	k	d ₂	n	Standard	Pressure class	AD	D ₂	s ₂	k	d ₂	n
					[mm]					[Qty]			[mm]					[Qty]
0600-1075	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	700	910	39,5	840	37	24	DIN EN 1092-2	PN16	600	840	36	770	37	20
0600-1075	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	700	960	46,5	875	44	24	DIN EN 1092-2	PN25	600	845	42	770	41	20
0600-1075	DD ₃₅	1.4517	DIN EN 1092-1	PN10	700	895	34	840	30	24	DIN EN 1092-1	PN10	600	780	34	725	30	20
0600-1075	DD ₃₅	1.4517	DIN EN 1092-1	PN16	700	910	42	840	36	24	DIN EN 1092-1	PN16	600	840	54	770	36	20
0600-1075	DD ₃₅	1.4517	DIN EN 1092-1	PN25	700	960	50	875	42	24	DIN EN 1092-1	PN25	600	845	58	770	39	20
0700-0980	GB / GC	EN-GJL-250	DIN EN 1092-2	PN10	800	1015	44	950	34	24	DIN EN 1092-2	PN10	700	895	40	840	31	24
0700-0980	GB / GC	EN-GJL-250	DIN EN 1092-2	PN16	800	1025	58	950	41	24	DIN EN 1092-2	PN16	700	910	54	840	37	24
0700-0980	GB / GC	EN-GJL-250	DIN EN 1092-2	PN25	800	-	-	-	-	-	DIN EN 1092-2	PN25	700	-	-	-	-	-
0700-0980	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN10	800	1015	35	950	34	24	DIN EN 1092-2	PN10	700	895	32,5	840	31	24
0700-0980	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN16	800	1025	43	950	41	24	DIN EN 1092-2	PN16	700	910	39,5	840	37	24
0700-0980	SB / SC	EN-GJS-400-15	DIN EN 1092-2	PN25	800	1085	51	990	50	24	DIN EN 1092-2	PN25	700	960	46,5	875	44	24
0700-0980	DD ₃₅	1.4517	DIN EN 1092-1	PN10	800	1015	36	950	33	24	DIN EN 1092-1	PN10	700	895	34	840	30	24
0700-0980	DD ₃₅	1.4517	DIN EN 1092-1	PN16	800	1025	42	950	39	24	DIN EN 1092-1	PN16	700	910	42	840	36	24
0700-0980	DD ₃₅	1.4517	DIN EN 1092-1	PN25	800	1085	54	990	48	24	DIN EN 1092-1	PN25	700	960	50	875	42	24

Symbols key

Symbol	Description
-	Not documented

Flange design to ASME



Example: ASME B16.1/NPS 20/CI 125/FF

Key to the designation

Code	Description
ASME B16.1	Standard
NPS 20	Nominal size [inch]
CI 125	Nominal pressure

Code	Description
FF	Flange design
FF	Flat face
RF	Raised face

The pressure classes of discharge and suction side must be identical. The bolt hole pattern and the flange faces comply with the Standard. The flange thickness s_1 and flange diameter D_1 may exceed the values indicated in the Standard. The flanges are designed with a flat face as a standard (type A/FF). Special designs with raised face (type B/RF) are available against a surcharge. For dimensional deviations, the tolerances of the respective flange standard shall apply.

Flange dimensions to ASME [mm]

Size	Material variant	Flange material	Suction side										Discharge side									
			Standard	Pressure class	AS	AS	D ₁	s ₁	k	d ₂	n	Standard	Pressure class	AS	AD	D ₂	s ₂	k	d ₂	n		
					[mm]	[°]	[mm]			[Qty]	[mm]			[°]	[mm]			[Qty]				
0350-0575	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	400	16	595	38,5	540,0	28,4	16	ASME B 16.1	Class 125	350	14	535	34,4	476,0	28,4	12		
0350-0575	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	400	16	650	57,2	572,0	35,1	20	ASME B 16.1	Class 250	350	14	585	54,0	514,0	31,8	20		
0350-0575	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	400	16	595	37,0	539,8	28,4	16	ASME B 16.42	Class 150	350	14	535	35,4	476,3	28,4	12		
0350-0575	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	400	16	650	57,6	571,5	35,1	20	ASME B 16.42	Class 300	350	14	585	54,4	514,4	31,8	20		
0350-0575	DD ₃₅	1.4517	ASME B 16.5	Class 150	400	16	595	37,0	539,8	28,4	16	ASME B 16.5	Class 150	350	14	535	35,4	476,3	28,4	12		
0350-0575	DD ₃₅	1.4517	ASME B 16.5	Class 300	400	16	650	57,6	571,5	35,1	20	ASME B 16.5	Class 300	350	14	585	54,4	514,4	31,8	20		
0350-0690	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	400	16	595	38,5	540,0	28,4	16	ASME B 16.1	Class 125	350	14	535	34,4	476,0	28,4	12		
0350-0690	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	400	16	650	57,2	572,0	35,1	20	ASME B 16.1	Class 250	350	14	585	54,0	514,0	31,8	20		
0350-0690	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	400	16	595	37,0	539,8	28,4	16	ASME B 16.42	Class 150	350	14	535	35,4	476,3	28,4	12		
0350-0690	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	400	16	650	57,6	571,5	35,1	20	ASME B 16.42	Class 300	350	14	585	54,4	514,4	31,8	20		
0350-0690	DD ₃₅	1.4517	ASME B 16.5	Class 150	400	16	595	37,0	539,8	28,4	16	ASME B 16.5	Class 150	350	14	535	35,4	476,3	28,4	12		
0350-0690	DD ₃₅	1.4517	ASME B 16.5	Class 300	400	16	650	57,6	571,5	35,1	20	ASME B 16.5	Class 300	350	14	585	54,4	514,4	31,8	20		
0350-0850	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	500	20	-	-	-	-	-	ASME B 16.1	Class 125	350	14	-	-	-	-	-		
0350-0850	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	500	20	-	-	-	-	-	ASME B 16.1	Class 250	350	14	-	-	-	-	-		
0350-0850	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.42	Class 150	350	14	535	35,4	476,3	28,4	12		
0350-0850	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.42	Class 300	350	14	585	54,4	514,4	31,8	20		
0350-0850	DD ₃₅	1.4517	ASME B 16.5	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.5	Class 150	350	14	535	35,4	476,3	28,4	12		
0350-0850	DD ₃₅	1.4517	ASME B 16.5	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.5	Class 300	350	14	585	54,4	514,4	31,8	20		
0400-0525	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	500	20	700	44,9	635,0	31,8	20	ASME B 16.1	Class 125	400	16	595	38,5	540,0	28,4	16		
0400-0525	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	500	20	775	63,5	686,0	35,1	24	ASME B 16.1	Class 250	400	16	650	57,2	572,0	35,1	20		
0400-0525	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.42	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0525	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	500	20	-	-	-	-	-	ASME B 16.42	Class 300	400	16	-	-	-	-	-		
0400-0525	DD ₃₅	1.4517	ASME B 16.5	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.5	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0525	DD ₃₅	1.4517	ASME B 16.5	Class 300	500	20	-	-	-	-	-	ASME B 16.5	Class 300	400	16	-	-	-	-	-		
0400-0580	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	500	20	700	44,9	635,0	31,8	20	ASME B 16.1	Class 125	400	16	595	38,5	540,0	28,4	16		
0400-0580	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	500	20	775	63,5	686,0	35,1	24	ASME B 16.1	Class 250	400	16	650	57,2	572,0	35,1	20		
0400-0580	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.42	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0580	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	500	20	-	-	-	-	-	ASME B 16.42	Class 300	400	16	-	-	-	-	-		
0400-0580	DD ₃₅	1.4517	ASME B 16.5	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.5	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0580	DD ₃₅	1.4517	ASME B 16.5	Class 300	500	20	-	-	-	-	-	ASME B 16.5	Class 300	400	16	-	-	-	-	-		
0400-0665	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	500	20	700	44,9	635,0	31,8	20	ASME B 16.1	Class 125	400	16	595	38,5	540,0	28,4	16		
0400-0665	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	500	20	775	63,5	686,0	35,1	24	ASME B 16.1	Class 250	400	16	650	57,2	572,0	35,1	20		
0400-0665	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.42	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0665	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.42	Class 300	400	16	650	57,6	571,5	35,1	20		
0400-0665	DD ₃₅	1.4517	ASME B 16.5	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.5	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0665	DD ₃₅	1.4517	ASME B 16.5	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.5	Class 300	400	16	650	57,6	571,5	35,1	20		
0400-0705	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	500	20	700	44,9	635,0	31,8	20	ASME B 16.1	Class 125	400	16	595	38,5	540,0	28,4	16		
0400-0705	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	500	20	775	63,5	686,0	35,1	24	ASME B 16.1	Class 250	400	16	650	57,2	572,0	35,1	20		
0400-0705	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.42	Class 150	400	16	595	37,0	539,8	28,4	16		

Size	Material variant	Flange material	Suction side										Discharge side									
			Standard	Pressure class	AS	AS	D ₁	s ₁	k	d ₂	n	Standard	Pressure class	AS	AD	D ₂	s ₂	k	d ₂	n		
					[mm]	["]	[mm]			[Qty]	[mm]			["]	[mm]			[Qty]				
0400-0705	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.42	Class 300	400	16	650	57,6	571,5	35,1	20		
0400-0705	DD ₃₅	1.4517	ASME B 16.5	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.5	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0705	DD ₃₅	1.4517	ASME B 16.5	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.5	Class 300	400	16	650	57,6	571,5	35,1	20		
0400-0880	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	500	20	-	-	-	-	-	ASME B 16.1	Class 125	400	16	-	-	-	-	-		
0400-0880	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	500	20	-	-	-	-	-	ASME B 16.1	Class 250	400	16	-	-	-	-	-		
0400-0880	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.42	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0880	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.42	Class 300	400	16	650	57,6	571,5	35,1	20		
0400-0880	DD ₃₅	1.4517	ASME B 16.5	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.5	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0880	DD ₃₅	1.4517	ASME B 16.5	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.5	Class 300	400	16	650	57,6	571,5	35,1	20		
0400-0935	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	500	20	700	44,9	635,0	31,8	20	ASME B 16.1	Class 125	400	16	595	38,5	540,0	28,4	16		
0400-0935	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	500	20	775	63,5	686,0	35,1	24	ASME B 16.1	Class 250	400	16	650	57,2	572,0	35,1	20		
0400-0935	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.42	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0935	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.42	Class 300	400	16	650	57,6	571,5	35,1	20		
0400-0935	DD ₃₅	1.4517	ASME B 16.5	Class 150	500	20	700	43,3	635,0	31,8	20	ASME B 16.5	Class 150	400	16	595	37,0	539,8	28,4	16		
0400-0935	DD ₃₅	1.4517	ASME B 16.5	Class 300	500	20	775	64,0	685,8	35,1	24	ASME B 16.5	Class 300	400	16	650	57,6	571,5	35,1	20		
0500-0525	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	600	24	815	49,6	749,0	35,1	20	ASME B 16.1	Class 125	500	20	700	44,9	635,0	31,8	20		
0500-0525	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	600	24	-	-	-	-	-	ASME B 16.1	Class 250	500	20	-	-	-	-	-		
0500-0525	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	600	24	815	48,1	749,3	35,1	20	ASME B 16.42	Class 150	500	20	700	43,3	635,0	31,8	20		
0500-0525	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	600	24	-	-	-	-	-	ASME B 16.42	Class 300	500	20	-	-	-	-	-		
0500-0525	DD ₃₅	1.4517	ASME B 16.5	Class 150	600	24	815	48,1	749,3	35,1	20	ASME B 16.5	Class 150	500	20	700	43,3	635,0	31,8	20		
0500-0525	DD ₃₅	1.4517	ASME B 16.5	Class 300	600	24	-	-	-	-	-	ASME B 16.5	Class 300	500	20	-	-	-	-	-		
0500-0585	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	600	24	815	49,6	749,0	35,1	20	ASME B 16.1	Class 125	500	20	700	44,9	635,0	31,8	20		
0500-0585	GB/GC	EN-GJL-250	ASME B 16.1	Class 250	600	24	-	-	-	-	-	ASME B 16.1	Class 250	500	20	-	-	-	-	-		
0500-0585	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 150	600	24	815	48,1	749,3	35,1	20	ASME B 16.42	Class 150	500	20	700	43,3	635,0	31,8	20		
0500-0585	SB/SC	EN-GJS-400-15	ASME B 16.42	Class 300	600	24	-	-	-	-	-	ASME B 16.42	Class 300	500	20	-	-	-	-	-		
0500-0585	DD ₃₅	1.4517	ASME B 16.5	Class 150	600	24	815	48,1	749,3	35,1	20	ASME B 16.5	Class 150	500	20	700	43,3	635,0	31,8	20		
0500-0585	DD ₃₅	1.4517	ASME B 16.5	Class 300	600	24	-	-	-	-	-	ASME B 16.5	Class 300	500	20	-	-	-	-	-		
0500-0685	GB/GC	EN-GJL-250	ASME B 16.1	Class 125	600	24	815	49,6	749,0	35,1	20	ASME B 16.1	Class 125	500	20	700	44,9	635,0	31,8	20		
0500-0685	GB/GC	EN-GJL-250	ASME B 16.1	Class 250																		

Size	Material variant	Flange material	Suction side									Discharge side								
			Standard	Pressure class	AS	AS	D ₁	s ₁	k	d ₂	n	Standard	Pressure class	AS	AD	D ₂	s ₂	k	d ₂	n
					[mm]	[°]	[mm]			[Qty]	[mm]			[°]	[mm]			[Qty]		
0600-0885	SB/SC	EN-GJS-400-15	ASME B 16.47A	Class 150	700	28	925	71,9	863,6	35,1	28	ASME B 16.42	Class 150	600	24	815	48,1	749,3	35,1	20
0600-0885	SB/SC	EN-GJS-400-15	ASME B 16.47A	Class 300	700	28	-	-	-	-	-	ASME B 16.42	Class 300	600	24	-	-	-	-	-
0600-0885	DD ₃₅	1.4517	ASME B 16.47A	Class 150	700	28	925	71,9	863,6	35,1	28	ASME B 16.5	Class 150	600	24	815	48,1	749,3	35,1	20
0600-0885	DD ₃₅	1.4517	ASME B 16.47A	Class 300	700	28	-	-	-	-	-	ASME B 16.5	Class 300	600	24	-	-	-	-	-
0600-1075	GB/GC	EN-GJL-250	ASME B 16.47A	Class 150	700	28	925	71,9	863,6	35,1	28	ASME B 16.1	Class 125	600	24	815	49,6	749,0	35,1	20
0600-1075	GB/GC	EN-GJL-250	ASME B 16.47A	Class 300	700	28	1035	86,2	939,8	44,5	28	ASME B 16.1	Class 250	600	24	915	69,8	813,0	41,1	24
0600-1075	SB/SC	EN-GJS-400-15	ASME B 16.47A	Class 150	700	28	925	71,9	863,6	35,1	28	ASME B 16.42	Class 150	600	24	815	48,1	749,3	35,1	20
0600-1075	SB/SC	EN-GJS-400-15	ASME B 16.47A	Class 300	700	28	1035	86,2	939,8	44,5	28	ASME B 16.42	Class 300	600	24	915	70,3	812,8	41,1	24
0600-1075	DD ₃₅	1.4517	ASME B 16.47A	Class 150	700	28	925	71,9	863,6	35,1	28	ASME B 16.5	Class 150	600	24	815	48,1	749,3	35,1	20
0600-1075	DD ₃₅	1.4517	ASME B 16.47A	Class 300	700	28	1035	86,2	939,8	44,5	28	ASME B 16.5	Class 300	600	24	915	70,3	812,8	41,1	24
0700-0980	GB/GC	EN-GJL-250	ASME B 16.47A	Class 150	800	32	1060	81,4	977,9	41,1	28	ASME B 16.47A	Class 150	700	28	925	71,9	863,6	35,1	28
0700-0980	GB/GC	EN-GJL-250	ASME B 16.47A	Class 300	800	32	-	-	-	-	-	ASME B 16.47A	Class 300	700	28	-	-	-	-	-
0700-0980	SB/SC	EN-GJS-400-15	ASME B 16.47A	Class 150	800	32	1060	81,4	977,9	41,1	28	ASME B 16.47A	Class 150	700	28	925	71,9	863,6	35,1	28
0700-0980	SB/SC	EN-GJS-400-15	ASME B 16.47A	Class 300	800	32	1150	98,9	1054,1	50,8	28	ASME B 16.47A	Class 300	700	28	1035	86,2	939,8	44,5	28
0700-0980	DD ₃₅	1.4517	ASME B 16.47A	Class 150	800	32	1060	81,4	977,9	41,1	28	ASME B 16.47A	Class 150	700	28	925	71,9	863,6	35,1	28
0700-0980	DD ₃₅	1.4517	ASME B 16.47A	Class 300	800	32	1150	98,9	1054,1	50,8	28	ASME B 16.47A	Class 300	700	28	1035	86,2	939,8	44,5	28

Symbols key

Symbol	Description
-	Not documented



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