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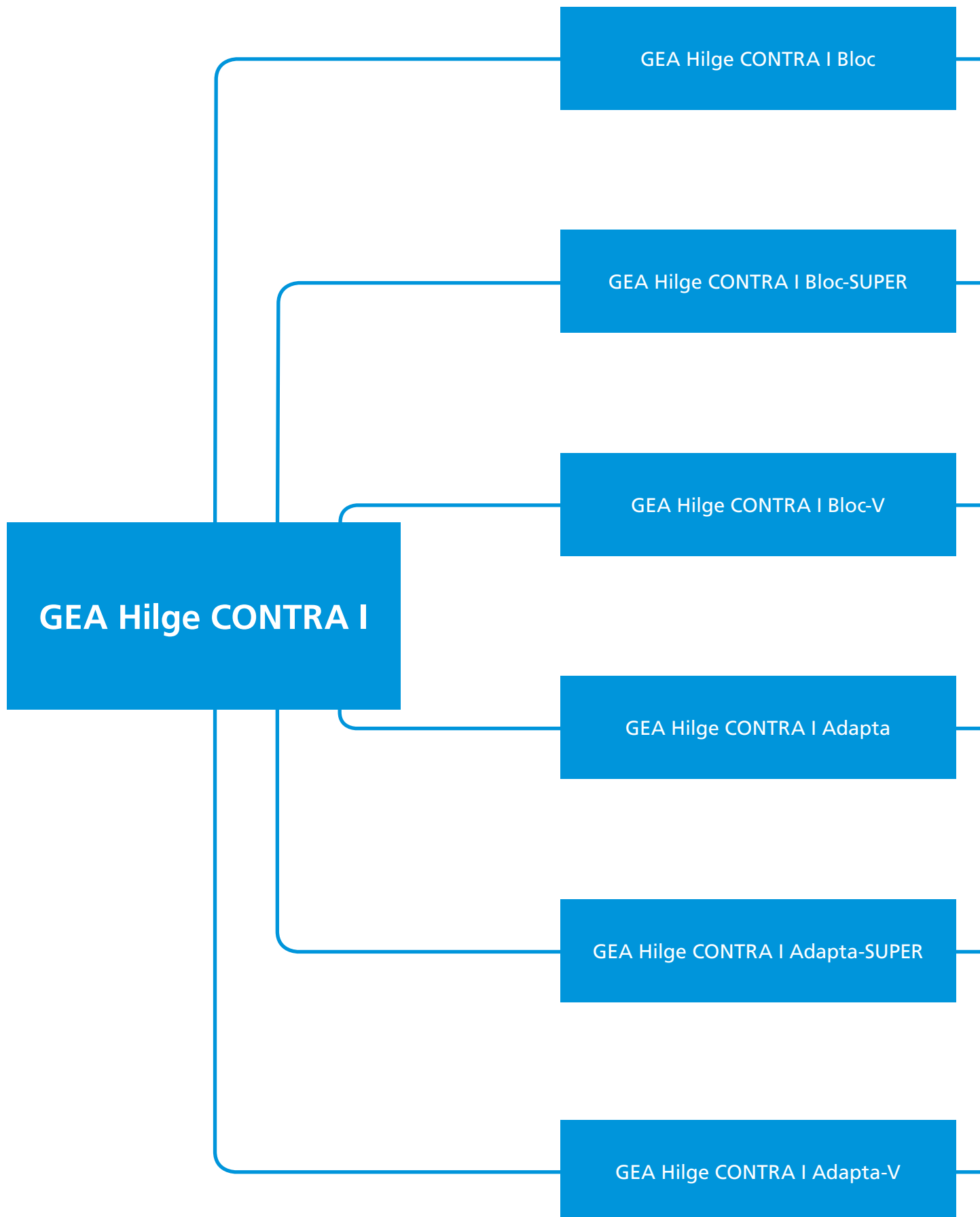
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НАСОСЫ Hilge CONTRA Технические характеристики

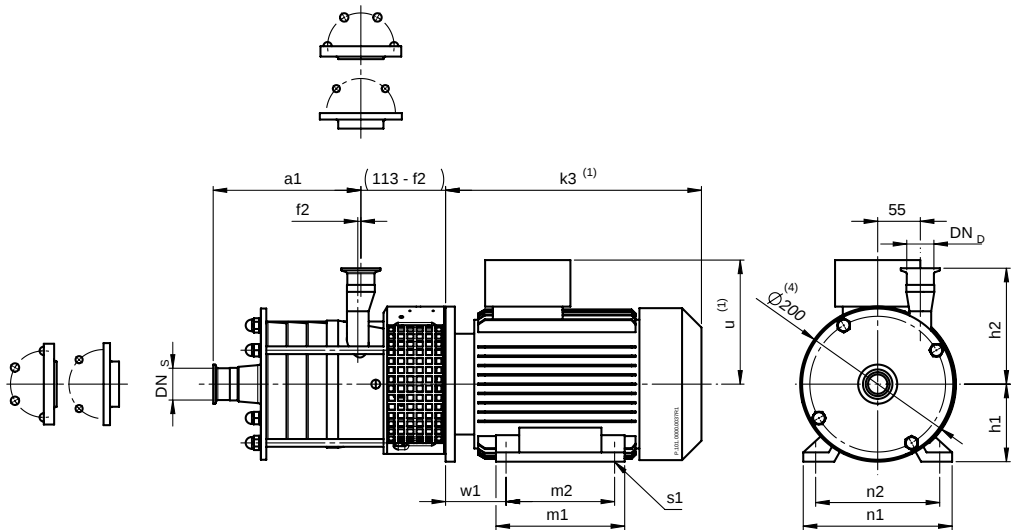






Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	

* registered for recertification



2-pole

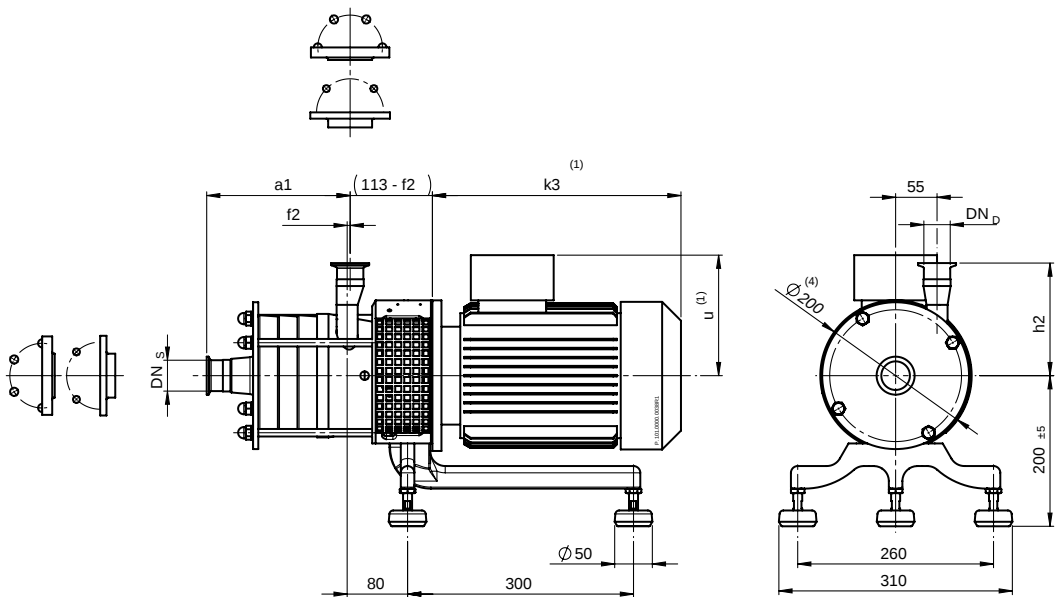
P2 [kW]	IEC- size	h ₁ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	w ₁ [mm]	m ₁ [mm]	m ₂ [mm]	n ₁ [mm]	n ₂ [mm]	s ₁ [mm]	Weight [kg]
0.75	80	80	240	140	50	125	100	160	125	9×13	21
1.1	80	80	240	140	50	125	100	160	125	9×13	24
1.5	90S	90	275	150	56	150	100	170	140	10×14	27
2.2	90L	90	275	150	56	150	125	170	140	10×14	33
3.0	100L	100	330	160	78	170	140	200	160	12×16	37
4.0	112M	112	360	175	90	175	140	220	190	12×16	42
5.5	112M	112	360	175	90	175	140	220	190	12×16	47

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.
Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	 

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2-pole

P2 [kW]	IEC- size	k _s ⁽¹⁾ [mm]	u ⁽²⁾ [mm]	Weight [kg]
0.75	80	240	140	25
1.1	80	240	140	28
1.5	90S	275	150	31
2.2	90L	275	150	36
3.0	100L	330	160	43
4.0	112M	360	175	48
5.5	112M	360	175	53

Dimensions depend on the casing size (DN_S, DN_p, a1, h2, e1). See table of connections.

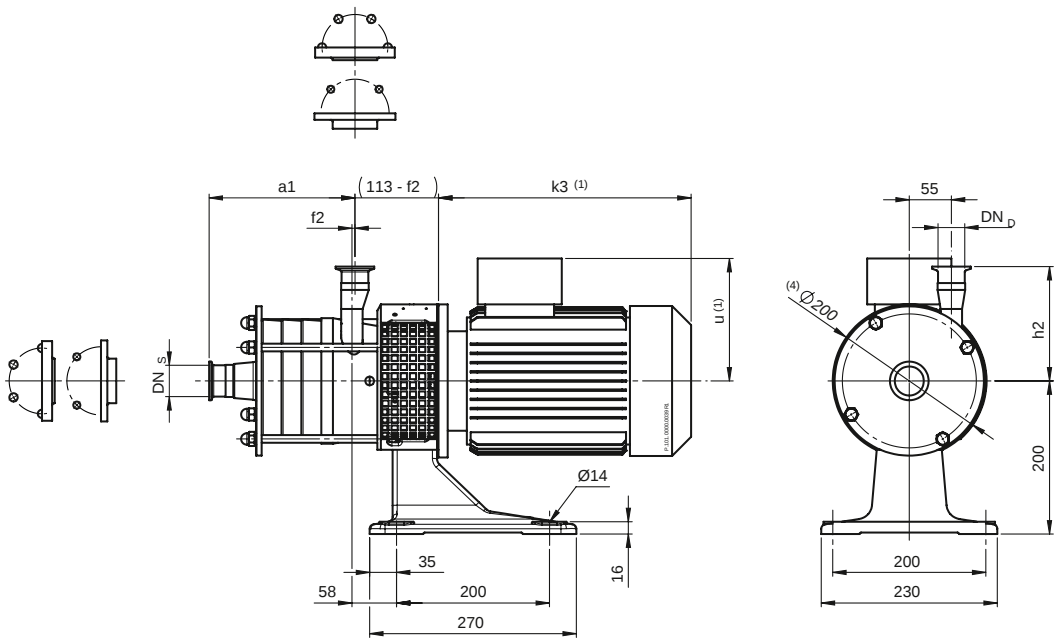
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.

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Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	

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2-pole

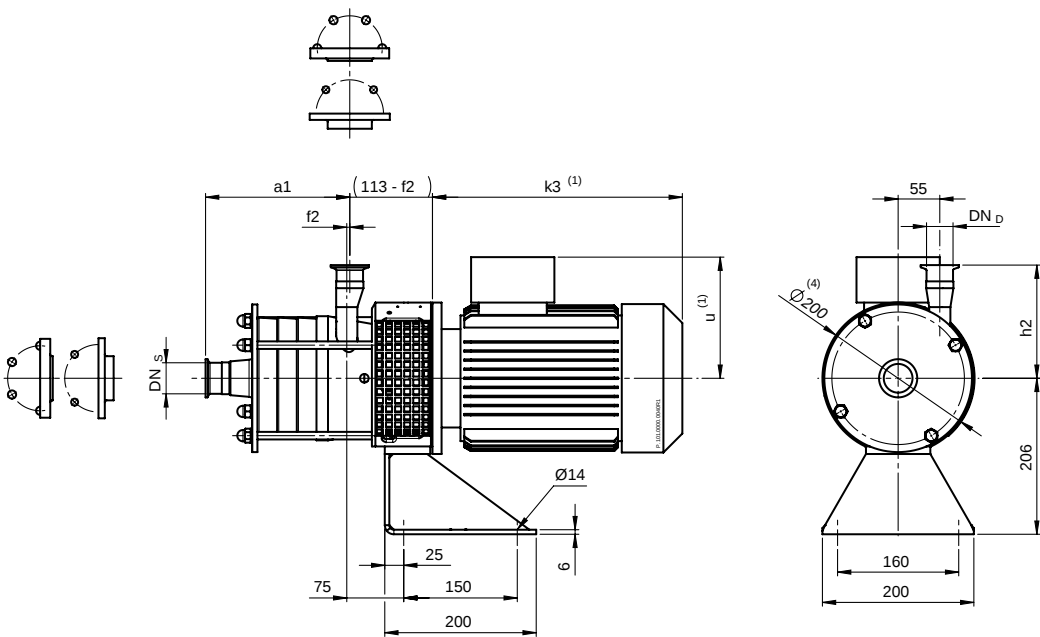
P2 [kW]	IEC- size	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
0.75	80	240	140	26
1.1	80	240	140	29
1.5	90S	275	150	33
2.2	90L	275	150	38
3.0	100L	330	160	42
4.0	112M	360	175	47
5.5	112M	360	175	52

Dimensions depend on the casing size (DN_s, DN_b, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.
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Static seals	EPDM (FDA, USP Class VI)
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Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

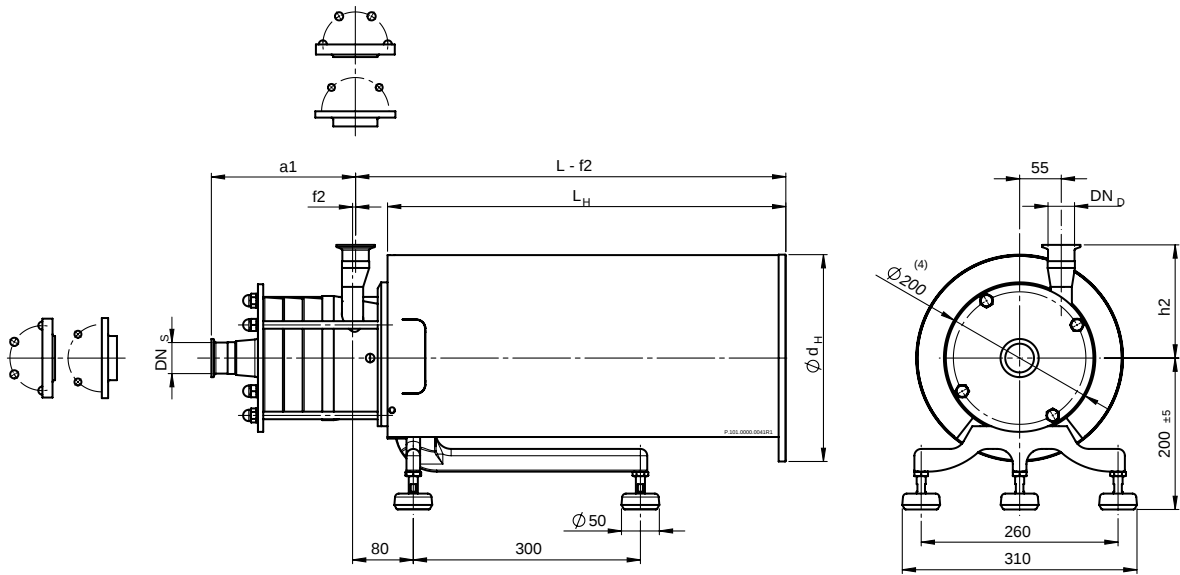
P2 [kW]	IEC- size	k ₃ ⁽¹⁾ [mm]	u ⁽²⁾ [mm]	Weight [kg]
0.75	80	240	140	24
1.1	80	240	140	27
1.5	90S	275	150	31
2.2	90L	275	150	36
3.0	100L	330	160	41
4.0	112M	360	175	46
5.5	112M	360	175	51

Dimensions depend on the casing size (DN_s, DN_D, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.
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Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	CERTIFIED TYPE EL - CLASS I

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2-pole

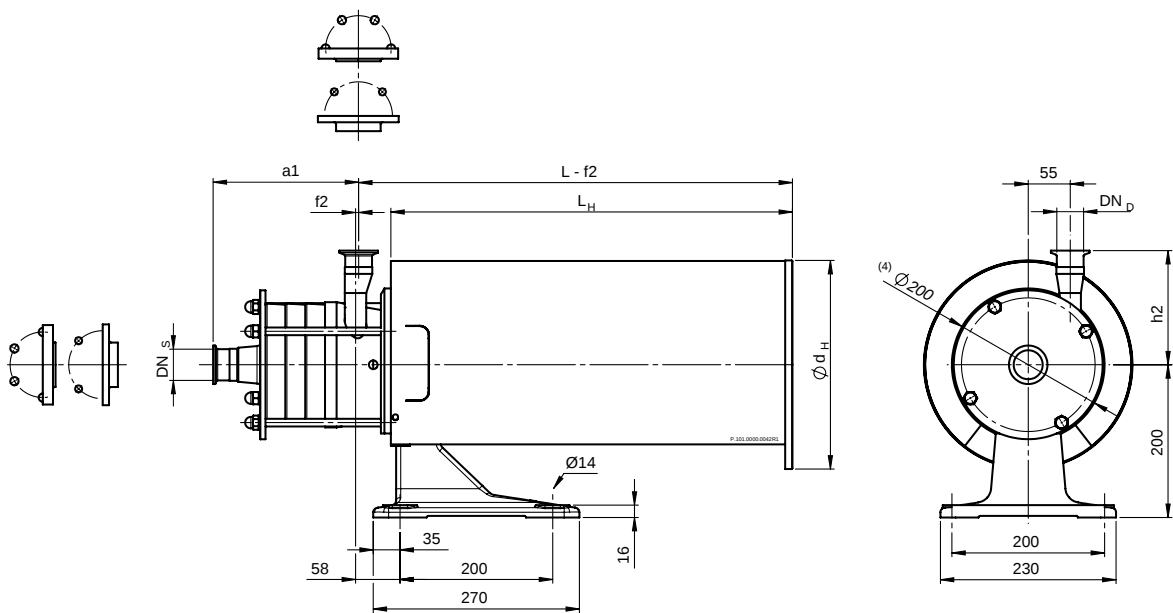
P2 [kW]	IEC- size	l [mm]	l _H [mm]	ød _H [mm]	Weight [kg]
0.75	80	496	450	220	27
1.1	80	496	450	220	30
1.5	90S	496	450	220	33
2.2	90L	496	450	220	39
3.0	100L	566	520	270	46
4.0	112M	566	520	270	52
5.5	112M	566	520	270	57

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.⁽⁴⁾ Largest diameter for pump without motor.
Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	

* registered for recertification



2-pole

P2 [kW]	IEC- size	l [mm]	l _H [mm]	ød _H [mm]	Weight [kg]
0.75	80	496	450	220	28
1.1	80	496	450	220	31
1.5	90S	496	450	220	35
2.2	90L	496	450	220	40
3.0	100L	566	520	270	46
4.0	112M	566	520	270	51
5.5	112M	566	520	270	56

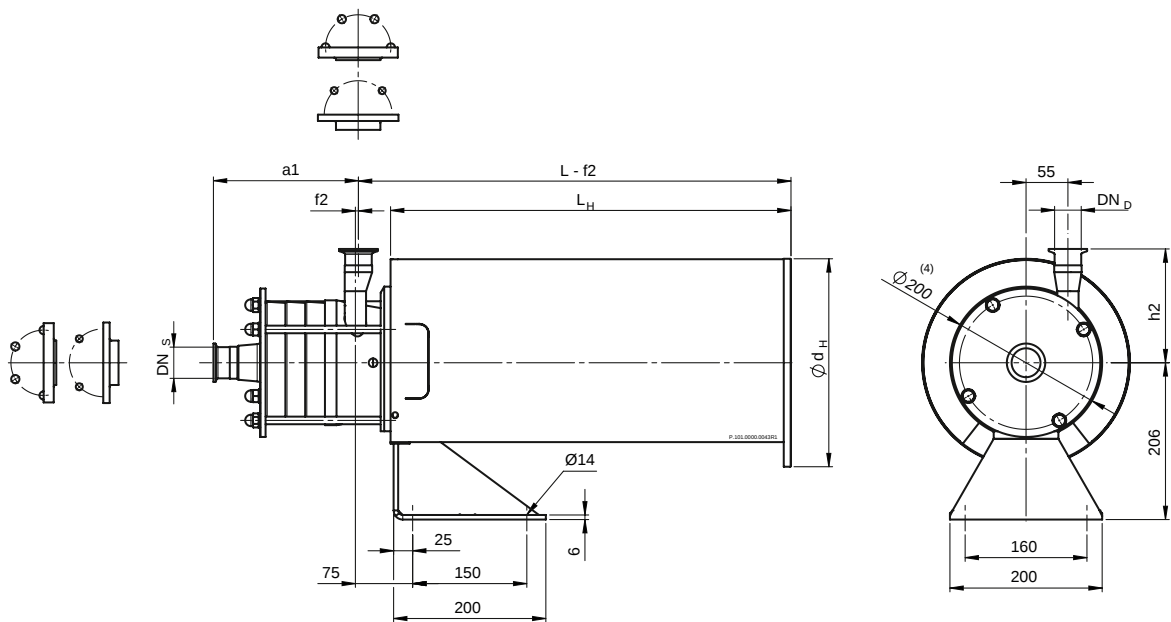
Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.(4) Largest diameter for pump without motor.

Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	CERTIFIED TYPE EL - CLASS I

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2-pole

P2 [kW]	IEC- size	l [mm]	l _H [mm]	ød _H [mm]	Weight [kg]
0.75	80	496	450	220	27
1.1	80	496	450	220	30
1.5	90S	496	450	220	33
2.2	90L	496	450	220	39
3.0	100L	566	520	270	44
4.0	112M	566	520	270	50
5.5	112M	566	520	270	55

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.⁽⁴⁾ Largest diameter for pump without motor.
Weight: net-weight without packaging

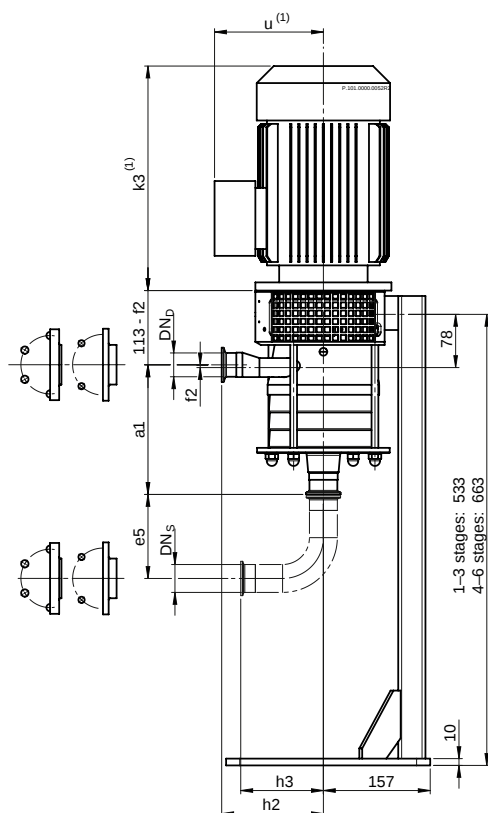


Technical data of the standard version

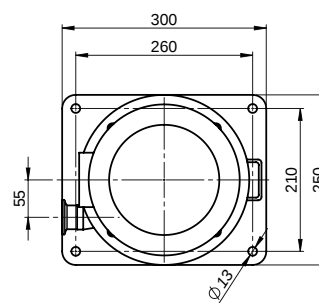
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	



* registered for recertification



Top view
(w/o terminal box)



2-pole

P2 [kW]	IEC- size	$k_3^{(1)}$ [mm]	$u^{(1)}$ [mm]	Weight [kg]
0.75	80	240	140	36
1.1	80	240	140	37
1.5	90S	275	150	46
2.2	90L	275	150	48
3.0	100L	330	160	59
4.0	112M	360	175	70
5.5	112M	360	175	94

Dimensions depend on the casing size (DN_s, DN_b, a1, h2, h3, e1, e5). See table of connections.

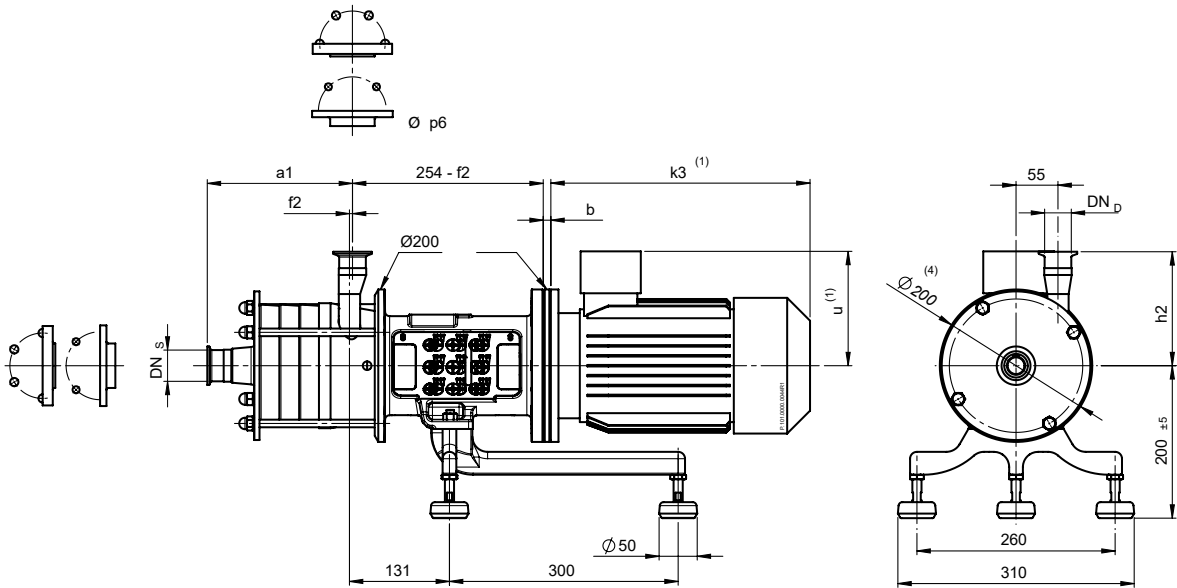
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.

Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
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Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	 

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2-pole

				Standard		tronic		
P2 [kW]	IEC- size	b [mm]	p ₆ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
0.75	80	0	200	320	130	–	–	40
1.1	80	0	200	320	130	–	–	41
1.5	90S	10	200	340	150	274	158	51
2.2	90L	10	200	340	150	274	158	52

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.

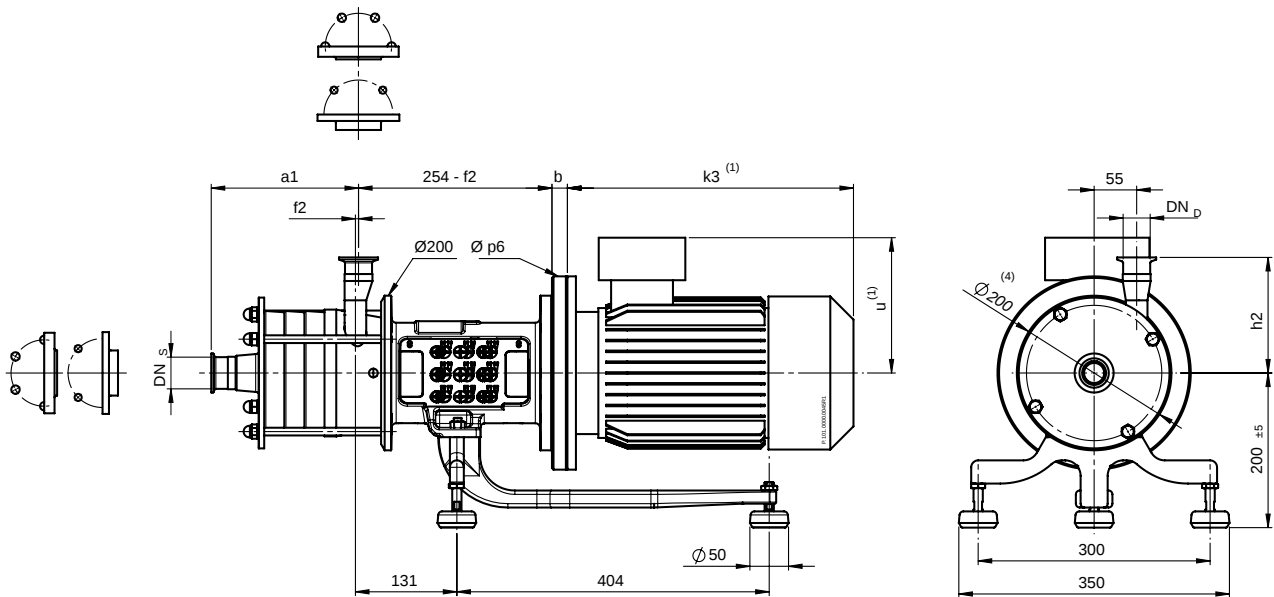
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor. ⁽⁴⁾ Largest diameter for pump without motor.

Weight: net-weight without packaging



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Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	

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2-pole

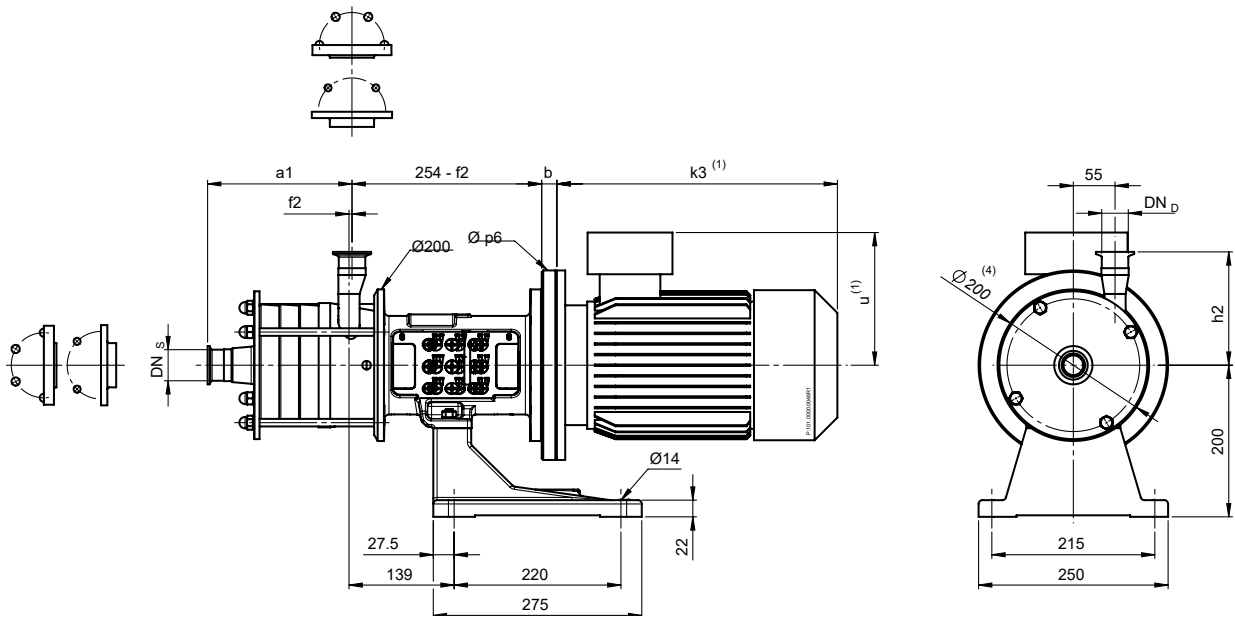
				Standard		tronic		
P2 [kW]	IEC-size	b [mm]	p _e [mm]	k ₃ ⁽¹⁾ [mm]	U ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	U ⁽¹⁾ [mm]	Weight [kg]
3.0	100L	20	250	370	175	334	201	65
4.0	112M	20	250	380	185	334	201	75
5.5	132S	40	300	450	205	365	201	99

Dimensions depend on the casing size (DN_s, DN_b, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.
Weight: net-weight without packaging



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Flow rate 50 Hz	Max. 15 m³/h
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Pump head 50 Hz	Max. 98 m
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Housing pressure	25 bar
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2-pole

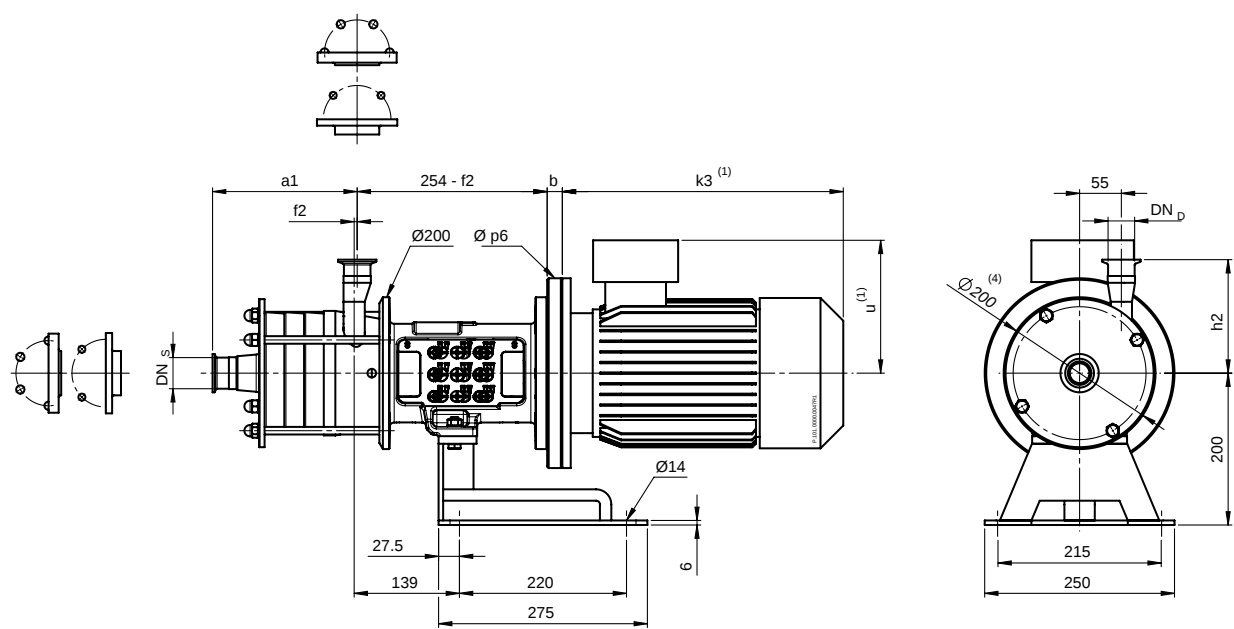
				Standard		tronic		
P2 [kW]	IEC- size	b [mm]	p _e [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
0.75	80	0	200	320	130	—	—	45
1.1	80	0	200	320	130	—	—	46
1.5	90S	10	200	340	150	274	158	55
2.2	90L	10	200	340	150	274	158	56
3.0	100L	20	250	370	175	334	201	68
4.0	112M	20	250	380	185	334	201	78
5.5	132S	40	300	450	205	365	201	102

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.
Weight: net-weight without packaging for standard motor



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	

* registered for recertification



2-pole

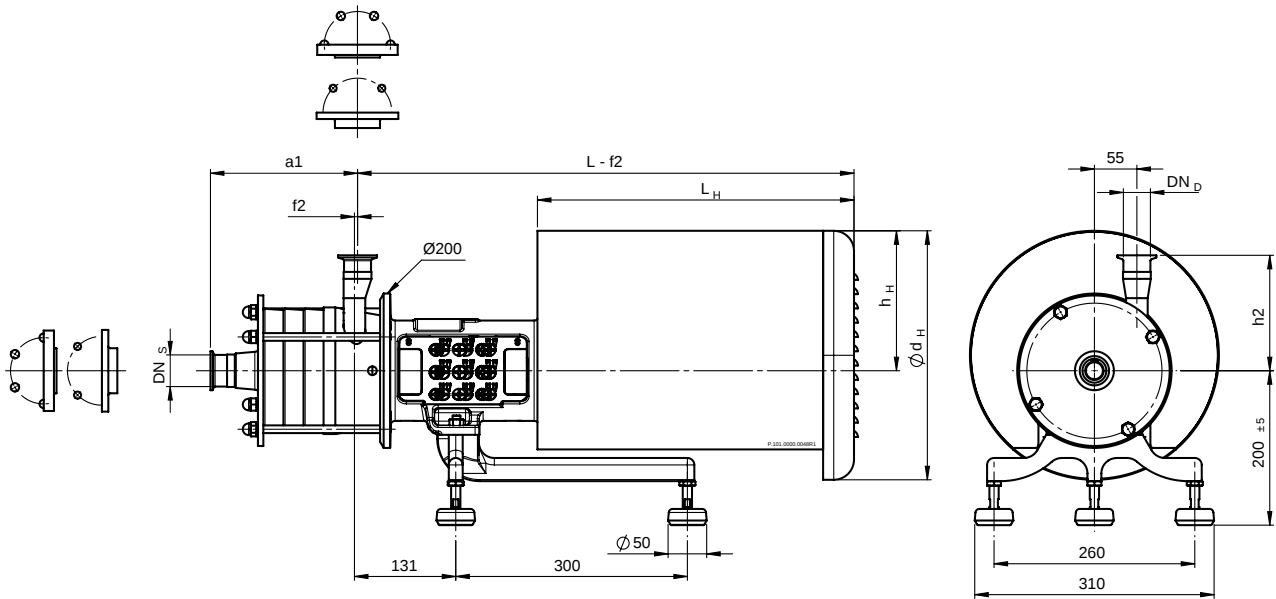
				Standard		tronic		
P2 [kW]	IEC- size	b [mm]	p ₆ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
0.75	80	0	200	320	130	—	—	41
1.1	80	0	200	320	130	—	—	42
1.5	90S	10	200	340	150	274	158	51
2.2	90L	10	200	340	150	274	158	53
3.0	100L	20	250	370	175	334	201	64
4.0	112M	20	250	380	185	334	201	74
5.5	132S	40	300	450	205	365	201	98

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.
Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

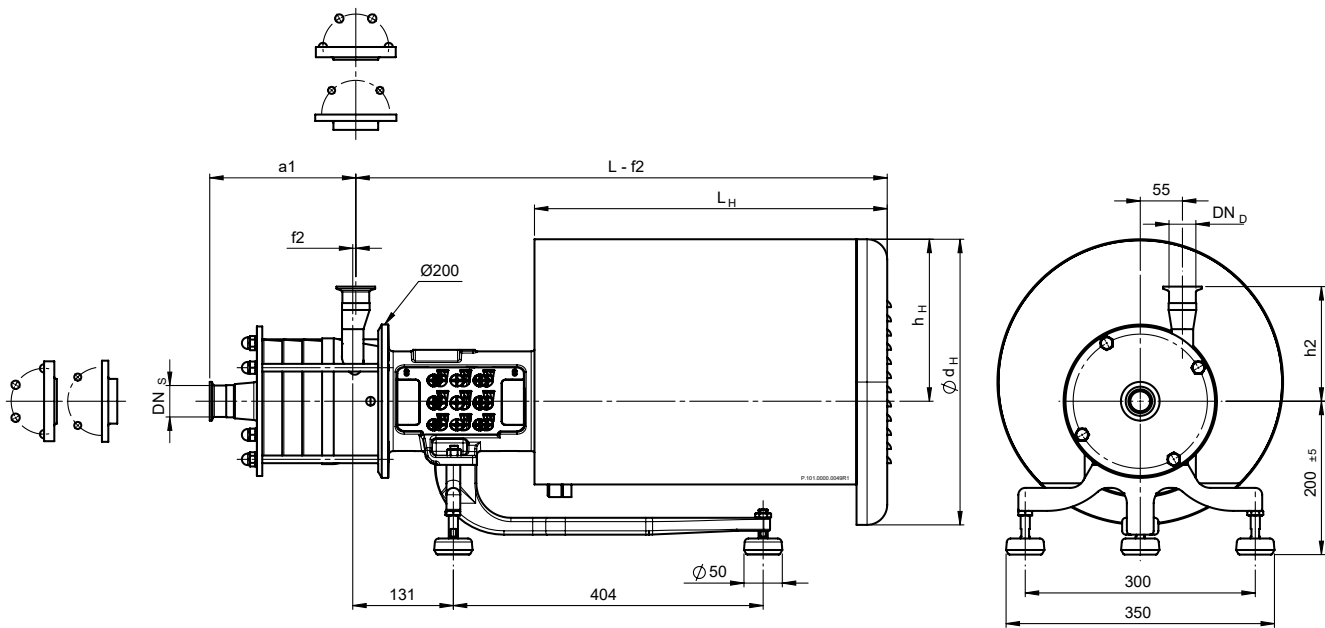
P2 [kW]	IEC- size	l _H [mm]	h _H [mm]	ød _H [mm]	Weight [kg]
0.75	80	410	180	320	45
1.1	80	410	180	320	46
1.5	90S	410	180	320	56
2.2	90L	410	180	320	57

Dimensions depend on the casing size (DN_s, DN_b, a1, h2, e1). See table of connections. Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

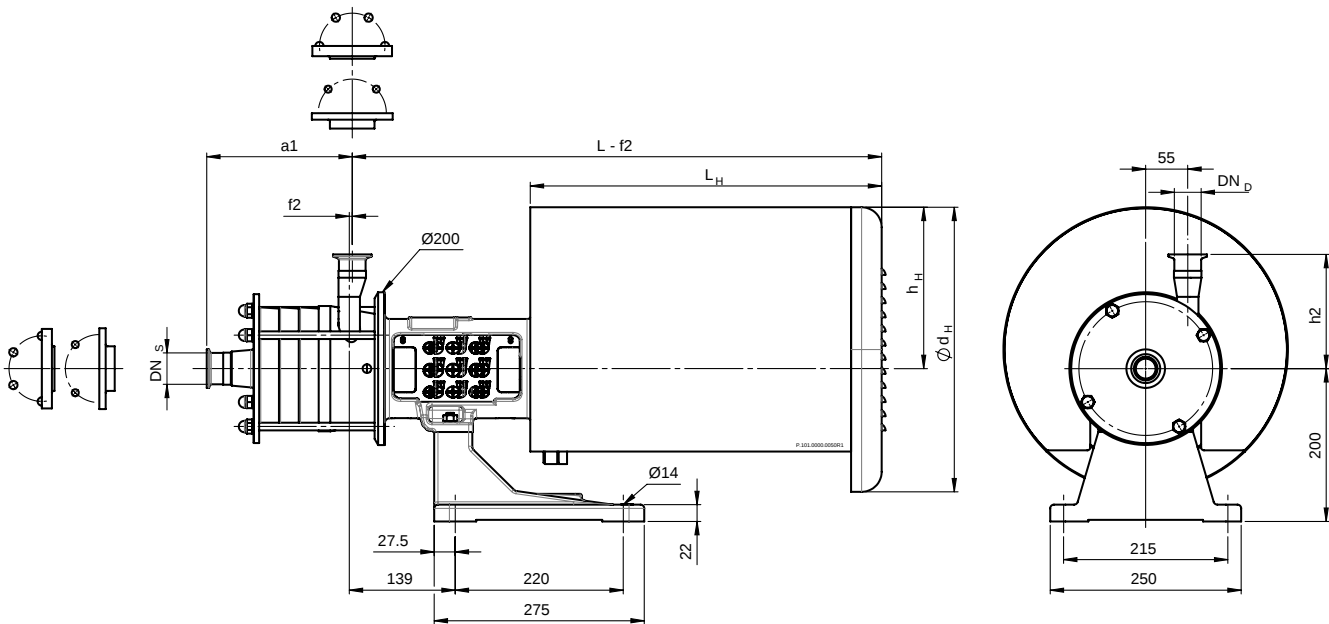
P2 [kW]	IEC- size	l _H [mm]	h _H [mm]	ød _H [mm]	Weight [kg]
3.0	100L	460	210	370	71
4.0	112M	460	210	370	82
5.5	132S	570	240	420	107

Dimensions depend on the casing size (DN_s, DN_D, a1, h2, e1). See table of connections. Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

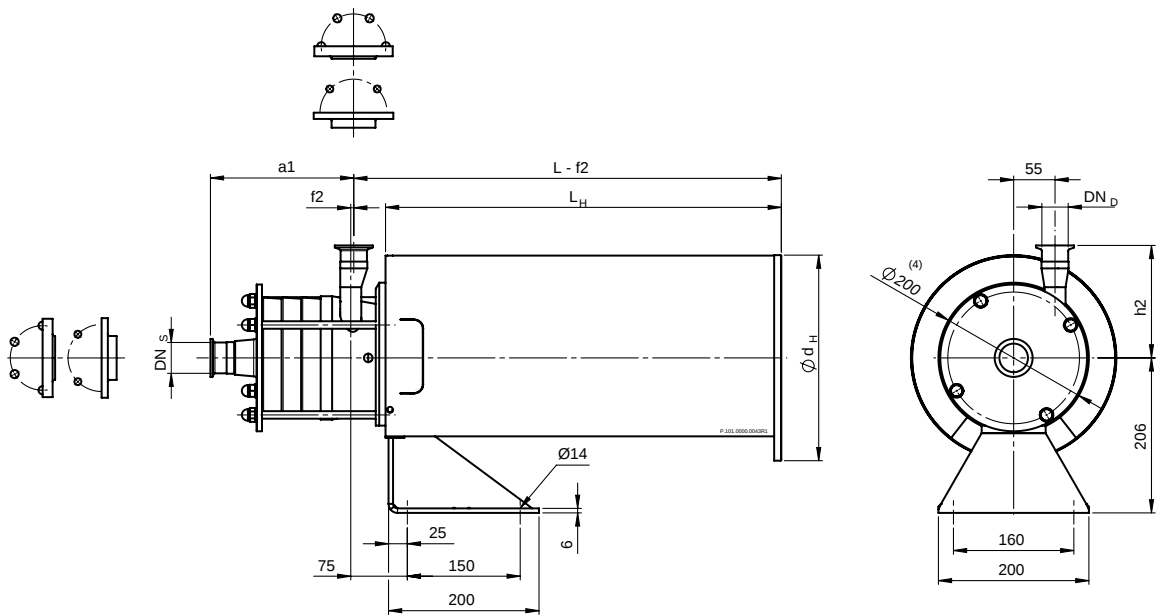
P2 [kW]	IEC- size	l _H [mm]	h _H [mm]	ød _H [mm]	Weight [kg]
0.75	80	410	180	320	49
1.1	80	410	180	320	50
1.5	90S	410	180	320	60
2.2	90L	410	180	320	61
3.0	100L	460	210	370	74
4.0	112M	460	210	370	84
5.5	132S	570	240	420	110

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections. Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar
Certificates	CERTIFIED* CE MDG TYPE EL - CLASS I FDA

* registered for recertification



2-pole

P2 [kW]	IEC-size	l _H [mm]	h _H [mm]	ød _H [mm]	Weight [kg]
0.75	80	410	180	320	46
1.1	80	410	180	320	47
1.5	90S	410	180	320	56
2.2	90L	410	180	320	58
3.0	100L	460	210	370	70
4.0	112M	460	210	370	81
5.5	132S	570	240	420	106

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.(4) Largest diameter for pump without motor.
Weight: net-weight without packaging



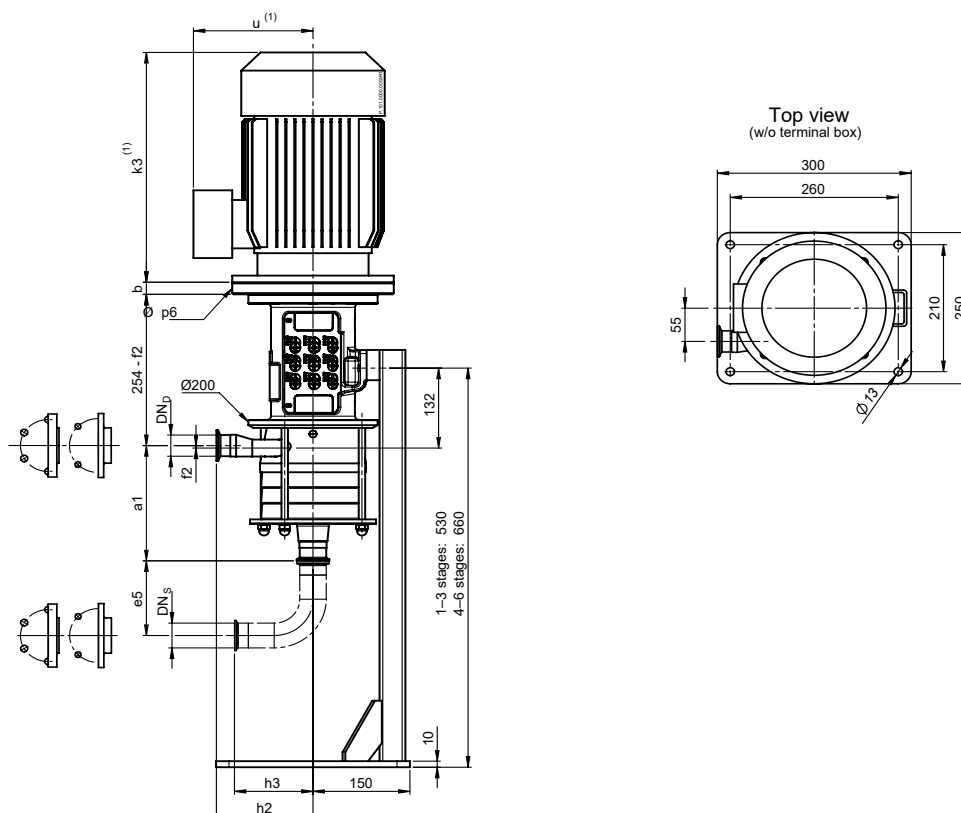
Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 25–40, pressure side DN 25–40
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 15 m³/h
Flow rate 60 Hz	Max. 15 m³/h
Pump head 50 Hz	Max. 98 m
Pump head 60 Hz	Max. 98 m
Housing pressure	25 bar

Certificates



* registered for recertification



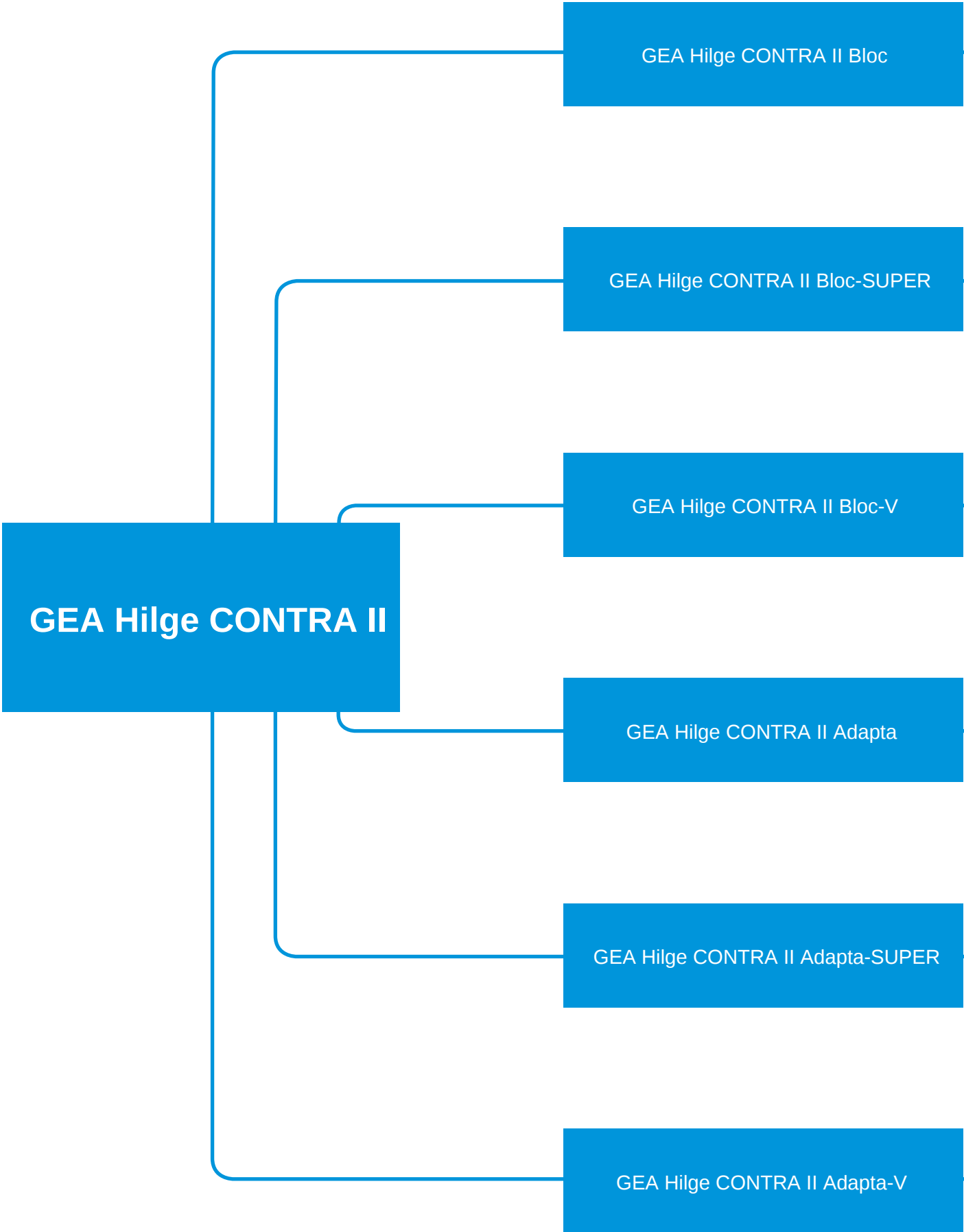
2-pole

				Standard		tronic		
P2 [kW]	IEC- size	b [mm]	P ₀ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
0.75	80	0	200	280	145	—	—	47
1.1	80	0	200	280	145	—	—	48
1.5	90S	10	200	320	150	274	158	58
2.2	90L	10	200	320	150	274	158	60
3.0	100L	20	250	340	175	334	201	71
4.0	112M	20	250	370	185	334	201	70
5.5	132S	40	300	450	205	365	201	105

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.

⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.

Weight: net-weight without packaging



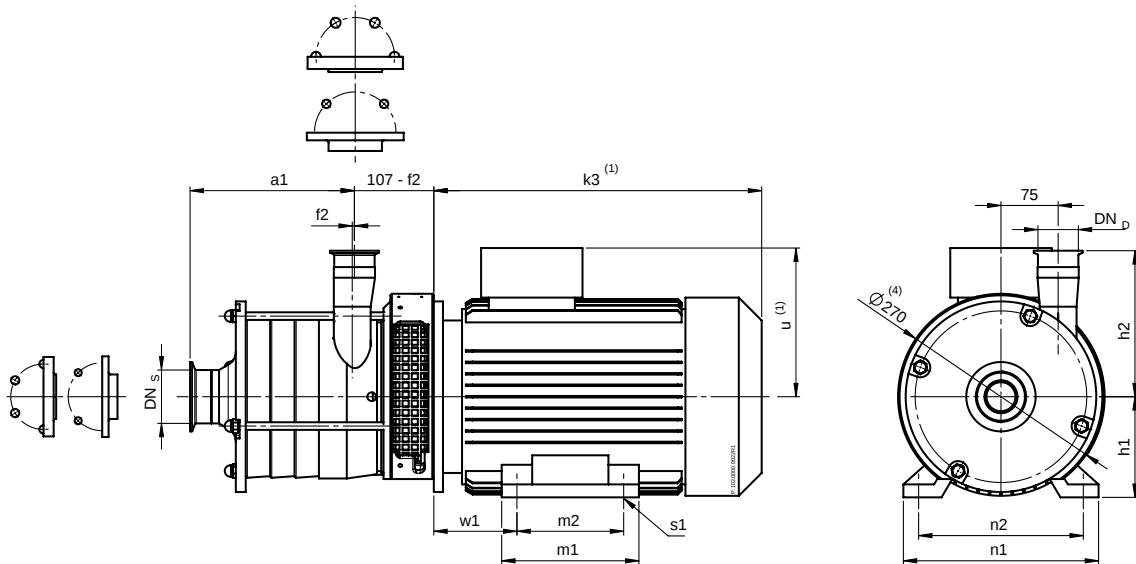


Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	



* registered for recertification



2-pole

P2 [kW]	IEC- size	h ₁ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	w ₁ [mm]	m ₁ [mm]	m ₂ [mm]	n ₁ [mm]	n ₂ [mm]	s ₁ [mm]	Weight [kg]
4.0	112M	112	340	175	70	175	140	220	190	12×16	64
5.5	112M	132	430	200	109	180	140	256	216	12×16	70
7.5	132S	132	430	200	109	180	140	256	216	12×16	78
11.0	132M	132	450	200	109	210	178	260	216	12×16	116
15.0	160M	160	530	225	120	260	210	320	254	15×19	125
18.5	160L	160	565	225	120	305	254	320	254	15×19	140

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.

⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor. ⁽⁴⁾ Largest diameter for pump without motor.

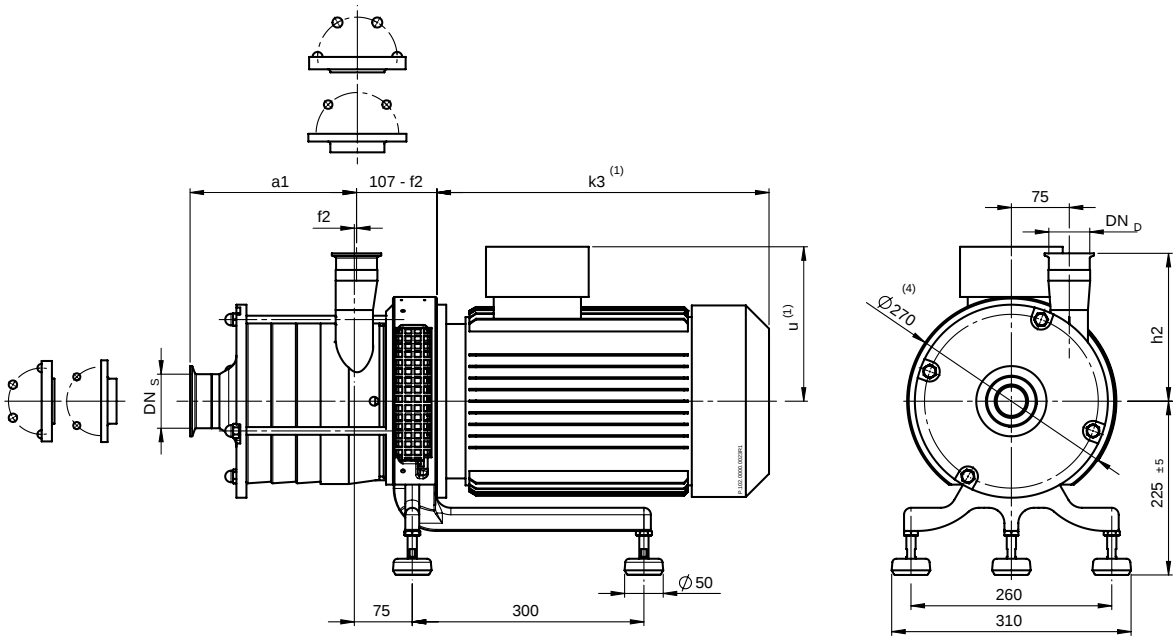
Weight: net-weight without packaging



Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

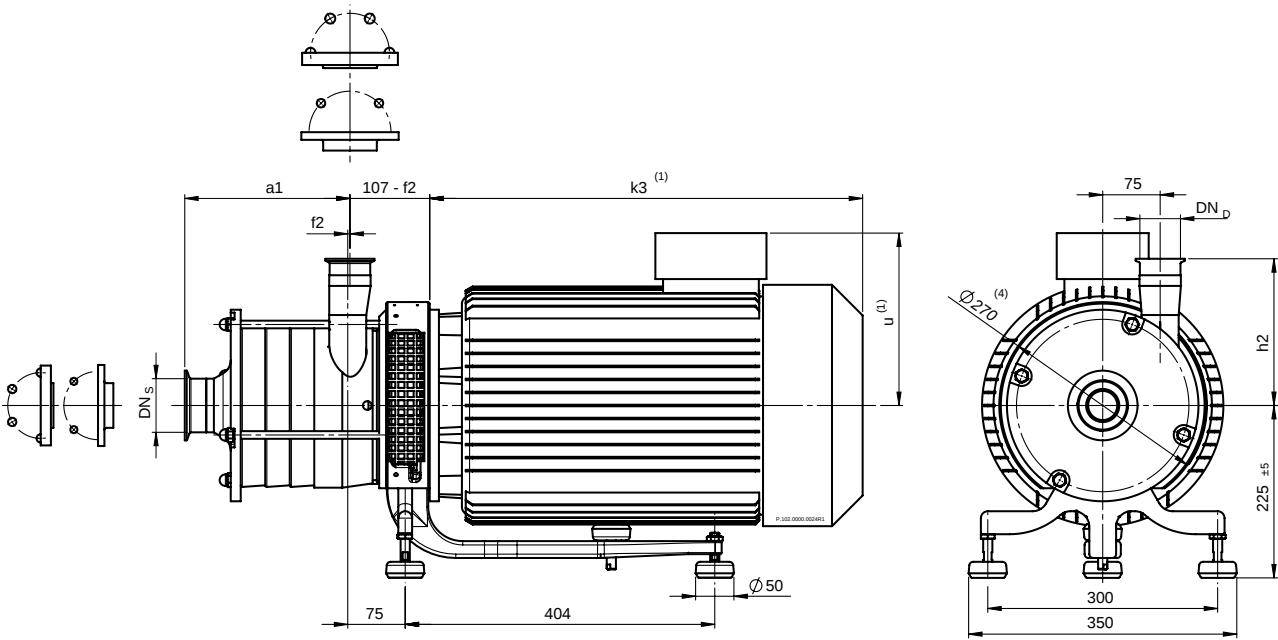
P2 [kW]	IEC- size	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
4.0	112M	340	175	67
5.5	112M	430	200	74
7.5	132S	430	200	81
11.0	132M	450	200	120

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.
Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	CERTIFIED* CHEDG CE REDG TYPE EL - CLASS I FDA

* registered for recertification



2-pole

P2 [kW]	IEC-size	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
15.0	160M	530	225	131
18.5	160L	565	255	146

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.

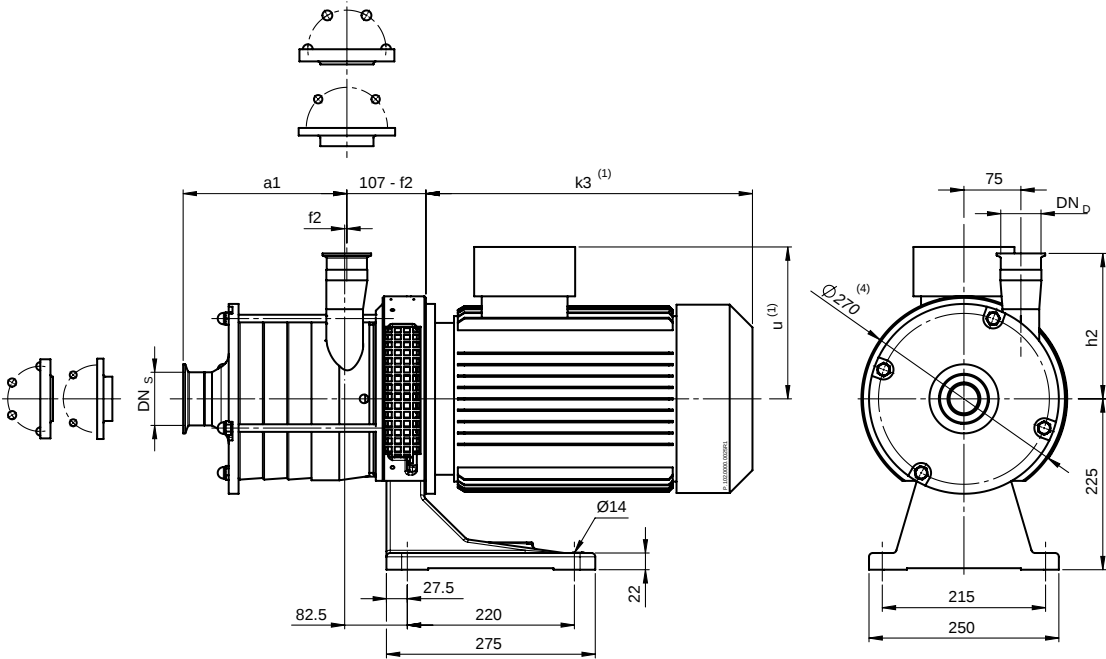
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.

Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	CERTIFIED* EHEDG TYPE EL - CLASS I FDA

* registered for recertification



2-pole

P2 [kW]	IEC-size	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
4.0	112M	340	175	72
5.5	112M	430	200	78
7.5	132S	430	200	86
11.0	132M	450	200	124

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.

⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor. ⁽⁴⁾ Largest diameter for pump without motor.

Weight: net-weight without packaging



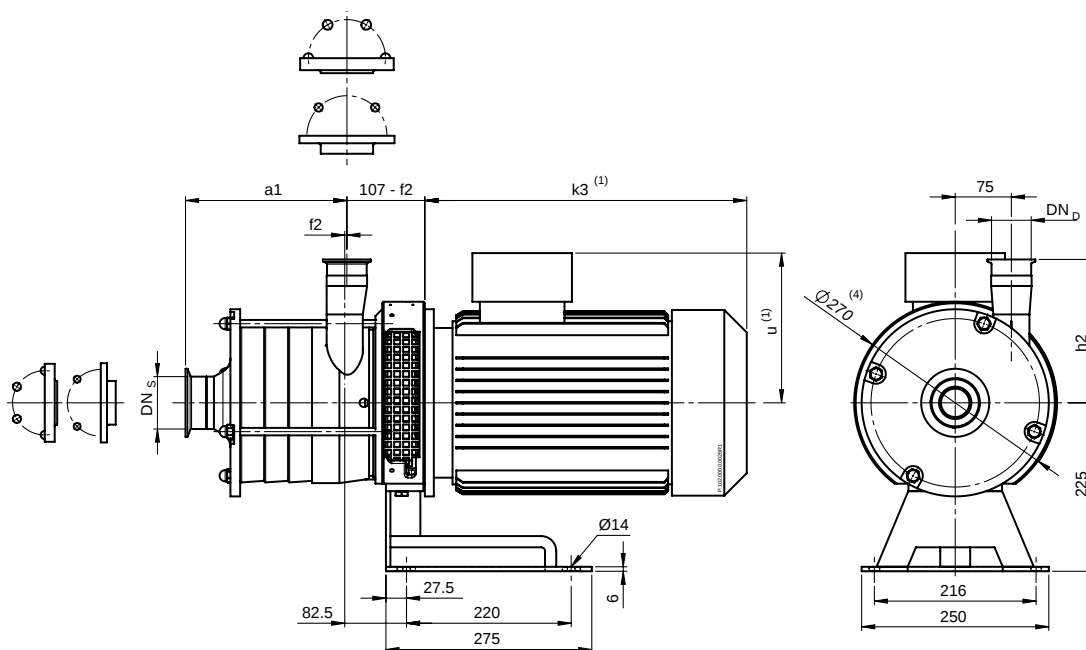
Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar

Certificates



* registered for recertification



2-pole

P2 [kW]	IEC- size	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
4.0	112M	340	175	68
5.5	112M	430	200	75
7.5	132S	430	200	82
11.0	132M	430	200	121

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.

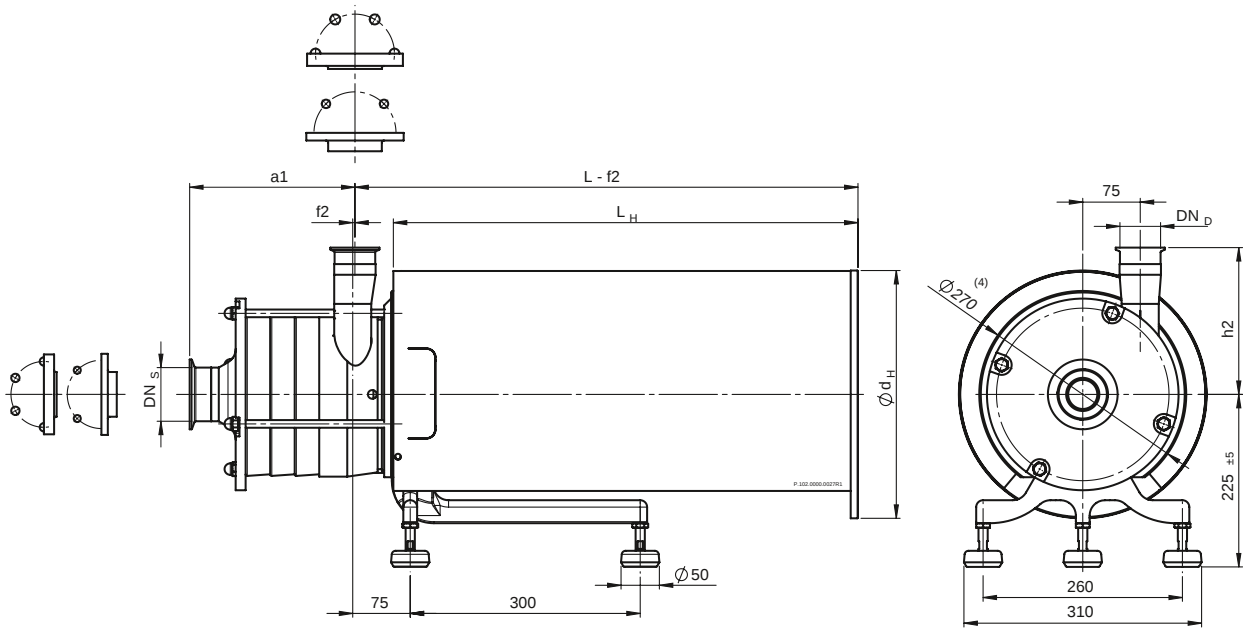
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁴⁾ Largest diameter for pump without motor.

Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	CERTIFIED TYPE EL - CLASS I

* registered for recertification



2-pole

P2 [kW]	IEC- size	l [mm]	l _H [mm]	ød _H [mm]	Weight [kg]
4.0	112M	573	520	270	70
5.5	112M	573	520	270	77
7.5	132S	653	600	320	86
11.0	132M	653	600	320	124

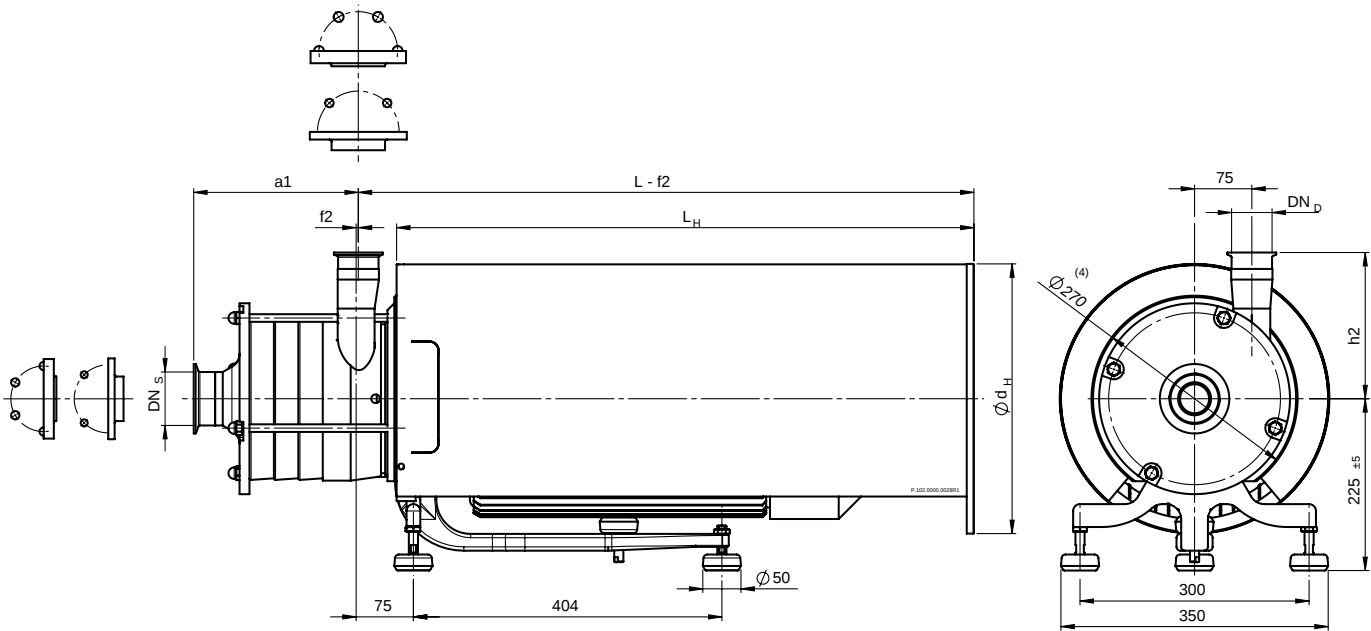
Dimensions depend on the casing size (DN_s, DN_D, a1, h2, e1). See table of connections. (4) Largest diameter for pump without motor.

Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	CERTIFIED TYPE EL - CLASS I

* registered for recertification



2-pole

P2 [kW]	IEC- size	l [mm]	l _H [mm]	ød _H [mm]	Weight [kg]
15.0	160M	803	750	350	136
18.5	160L	803	750	350	151

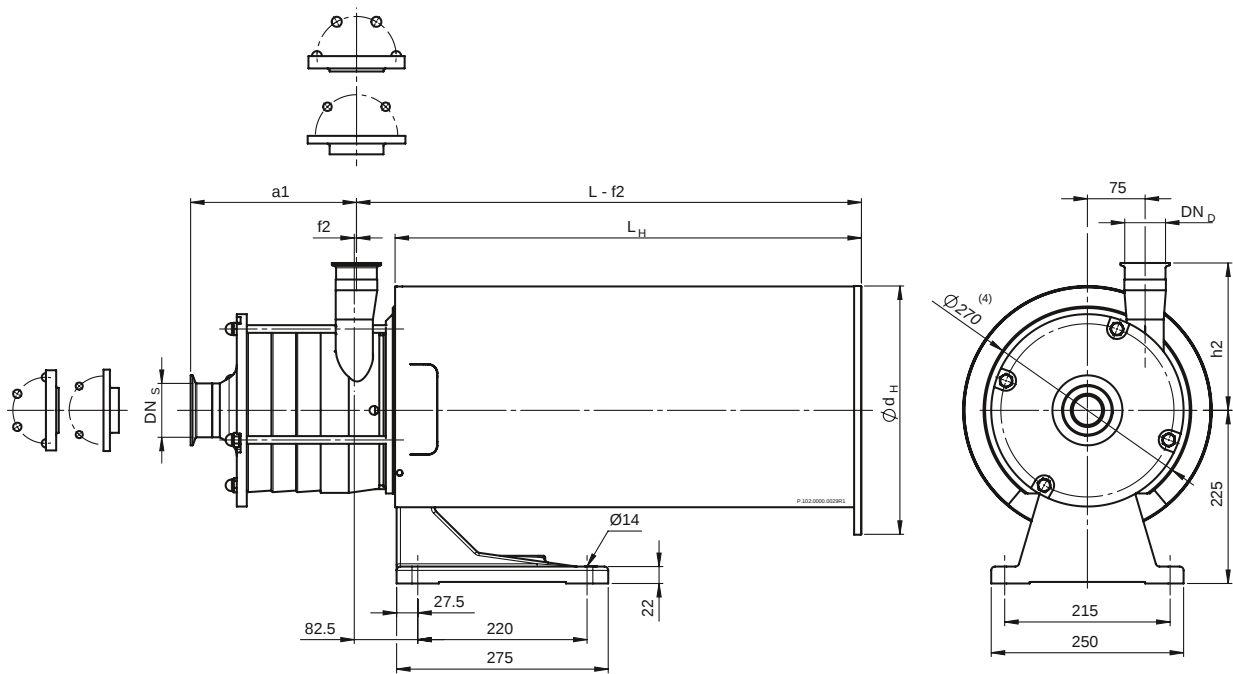
Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.⁽⁴⁾ Largest diameter for pump without motor.

Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

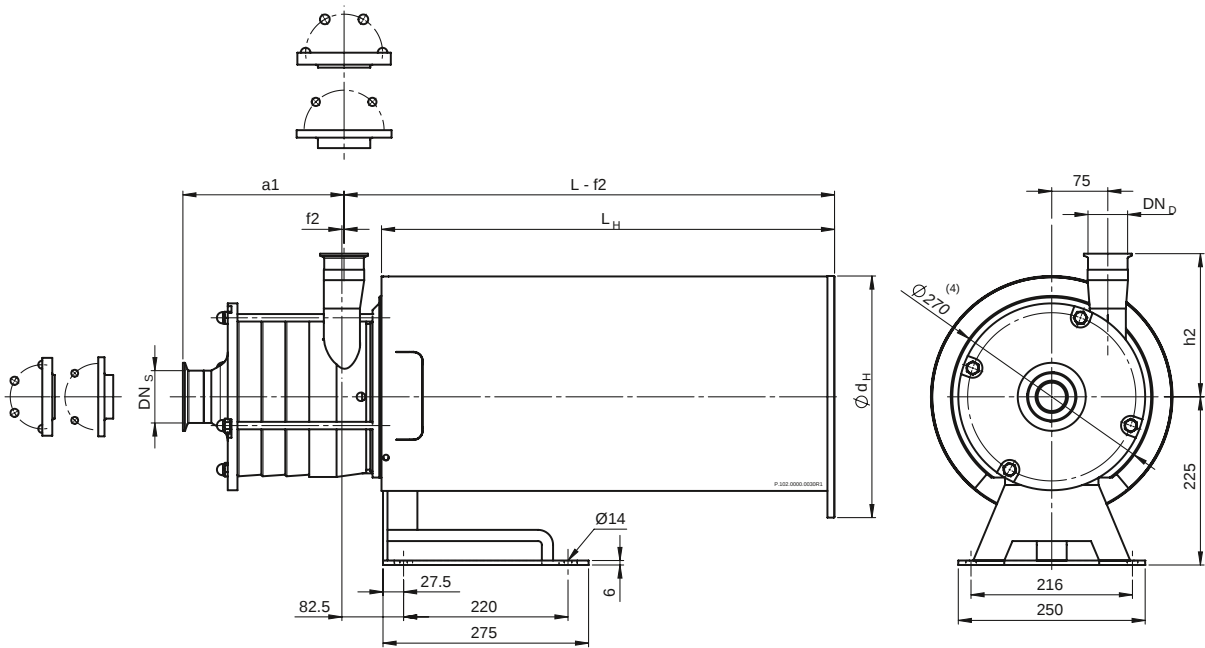
P2 [kW]	IEC- size	l [mm]	l _H [mm]	ød _H [mm]	Weight [kg]
4.0	112M	573	520	270	75
5.5	112M	573	520	270	81
7.5	132S	653	600	320	90
11.0	132M	653	600	320	128

Dimensions depend on the casing size (DN_S, DN_p, a1, h2, e1). See table of connections.⁽⁴⁾ Largest diameter for pump without motor.
Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

P2 [kW]	IEC- size	l [mm]	l _H [mm]	ød _H [mm]	Weight [kg]
4.0	112M	573	520	270	71
5.5	112M	573	520	270	78
7.5	132S	653	600	320	86
11.0	132M	653	600	320	125

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.⁽⁴⁾ Largest diameter for pump without motor.
Weight: net-weight without packaging

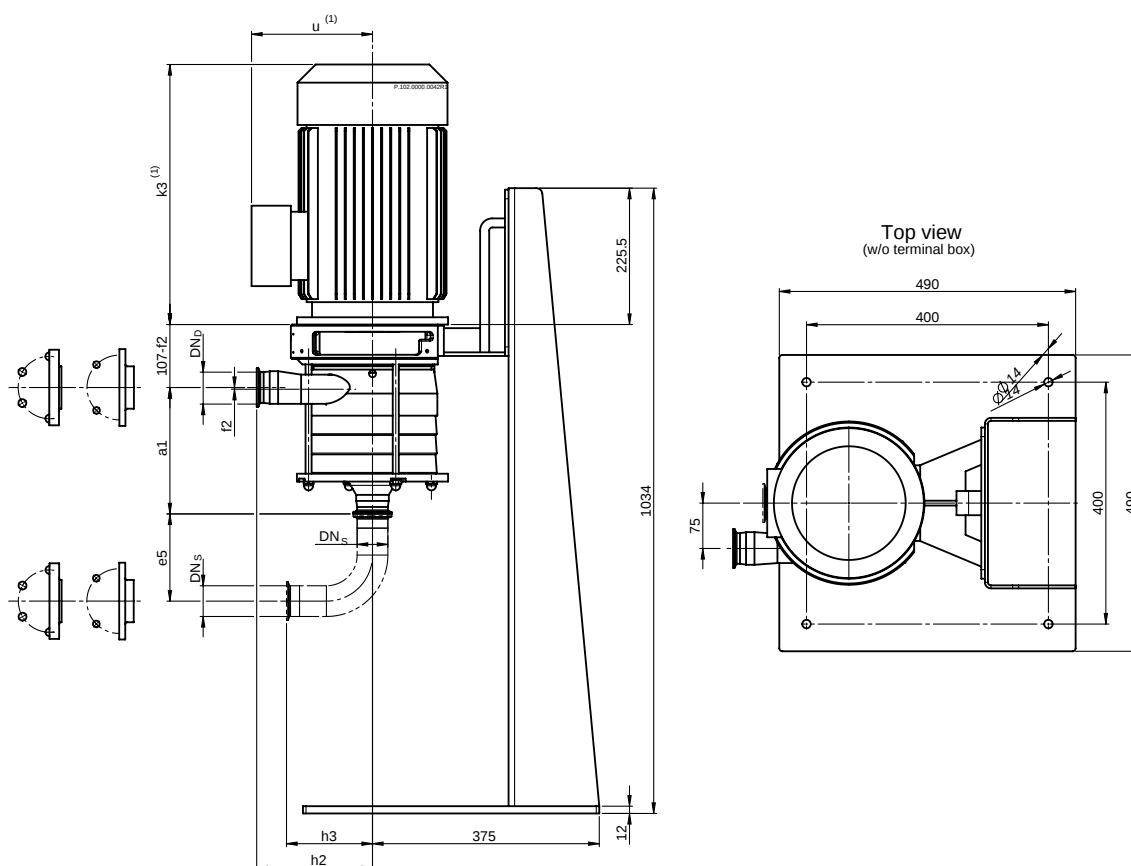


Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	



* registered for recertification



2-pole

P2 [kW]	IEC- size	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
4.0	112M	340	175	110
5.5	112M	430	200	117
7.5	132S	430	200	124
11.0	132M	450	200	163
15.0	160M	530	225	172
18.5	160L	565	225	187

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.

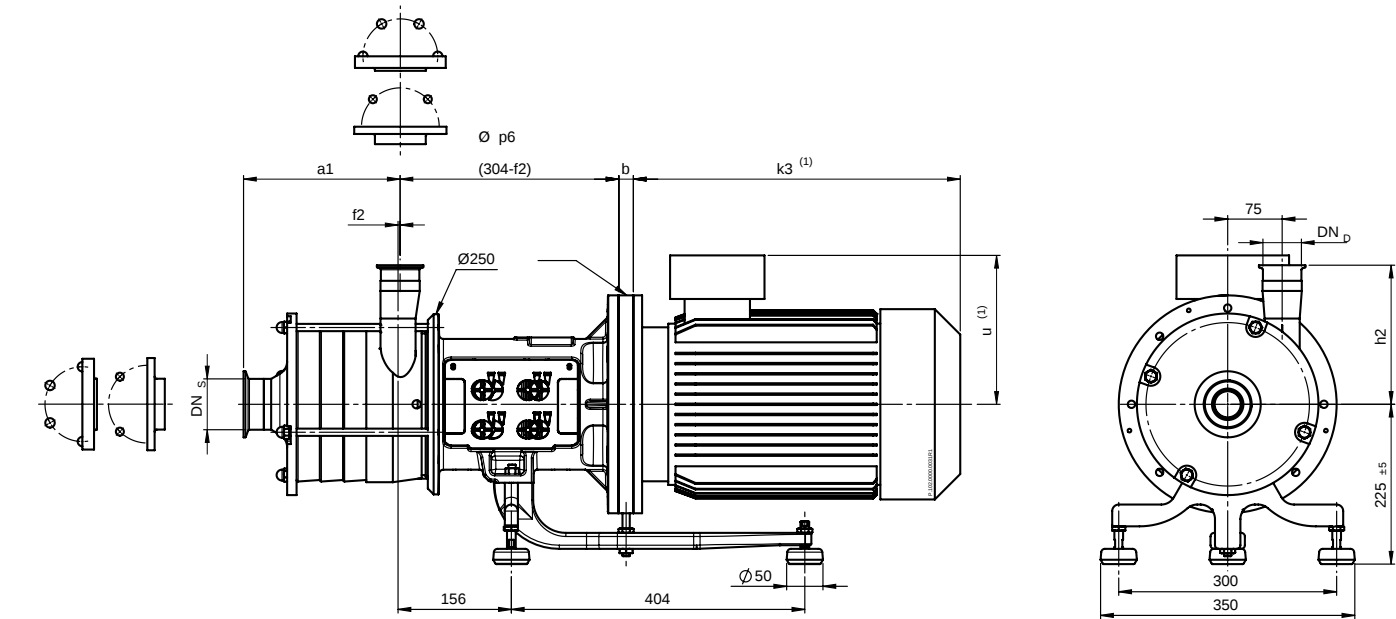
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.

Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	CERTIFIED EHEDG EUROPEAN HYGIENE TYPE EL - CLASS I FDA

* registered for recertification



2-pole

				Standard		tronic		
P2 [kW]	IEC- size	b [mm]	p _e [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
4.0	112M	0	250	380	185	334	201	95
5.5	132S	20	300	450	205	365	201	121
7.5	132S	20	300	450	205	389	237	130

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.

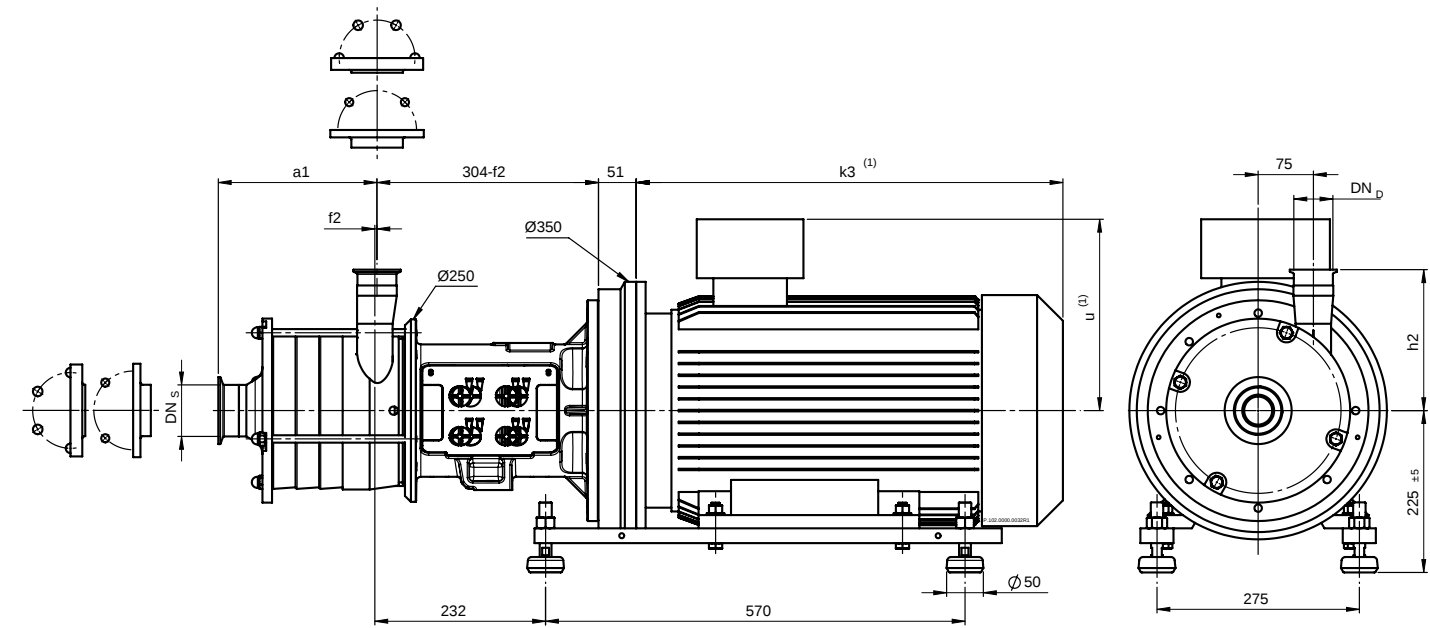
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.

Weight: net-weight without packaging for standard motor



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	

* registered for recertification



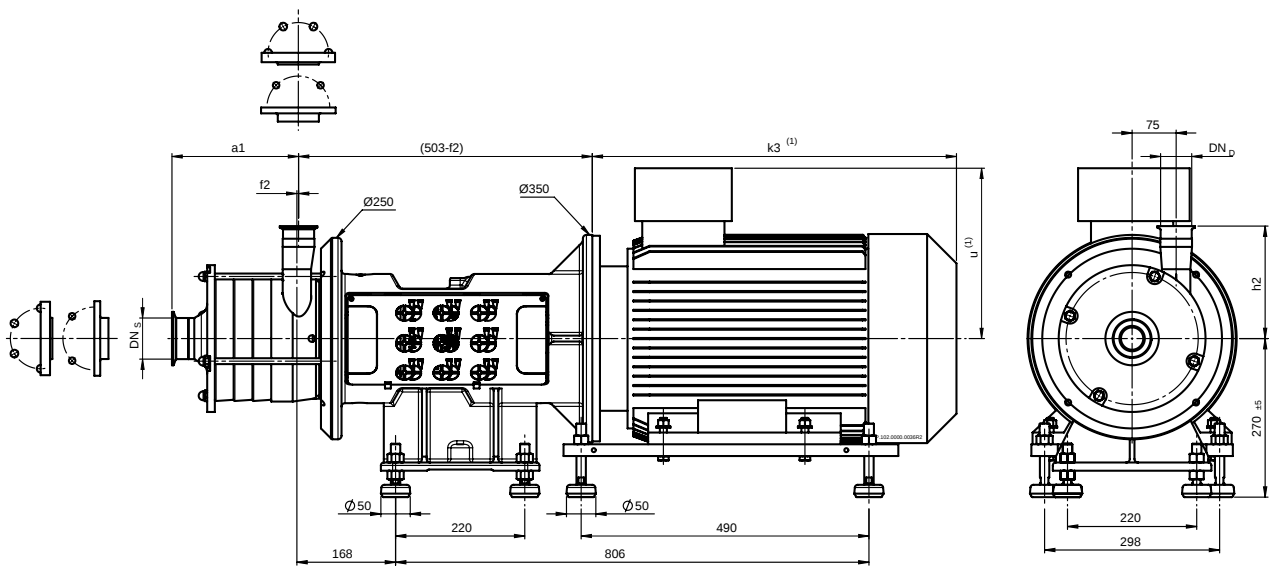
				Standard		tronic		
P2 [kW]	IEC-size	b [mm]	p _e [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
11.0	160M	51	350	570	260	406	237	163
15.0	160M	51	350	570	260	471	308	170
18.5	160L	51	350	580	260	515	308	192

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.
Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

		Standard		tronic		Weight [kg]
P2 [kW]	IEC-size	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	
22.0	180L	620	290	541	308	283

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.
Weight: net-weight without packaging



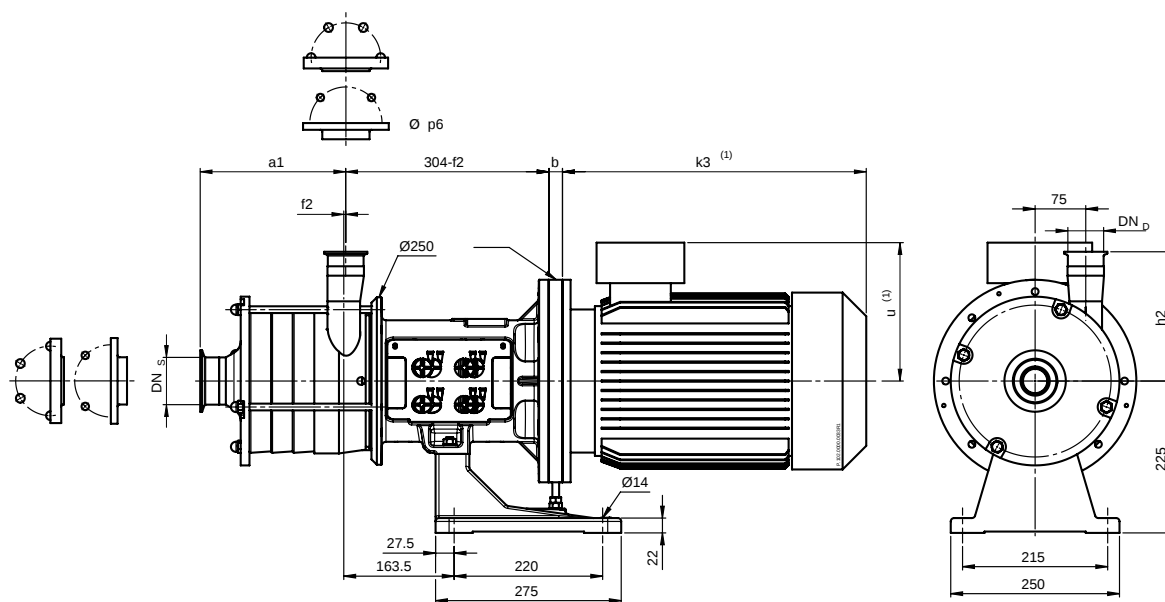
Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar

Certificates



* registered for recertification



2-pole

				Standard		tronic		
P2 [kW]	IEC- size	b [mm]	p ₆ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽²⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽²⁾ [mm]	Weight [kg]
4.0	112M	0	250	380	185	334	201	97
5.5	132S	20	300	450	205	365	201	123
7.5	132S	20	300	450	205	389	237	132
11.0	160M	51	350	570	260	406	237	160
15.0	160M	51	350	570	260	471	308	167
18.5	160L	51	350	580	260	515	308	189

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections.

⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.

Weight: net-weight without packaging

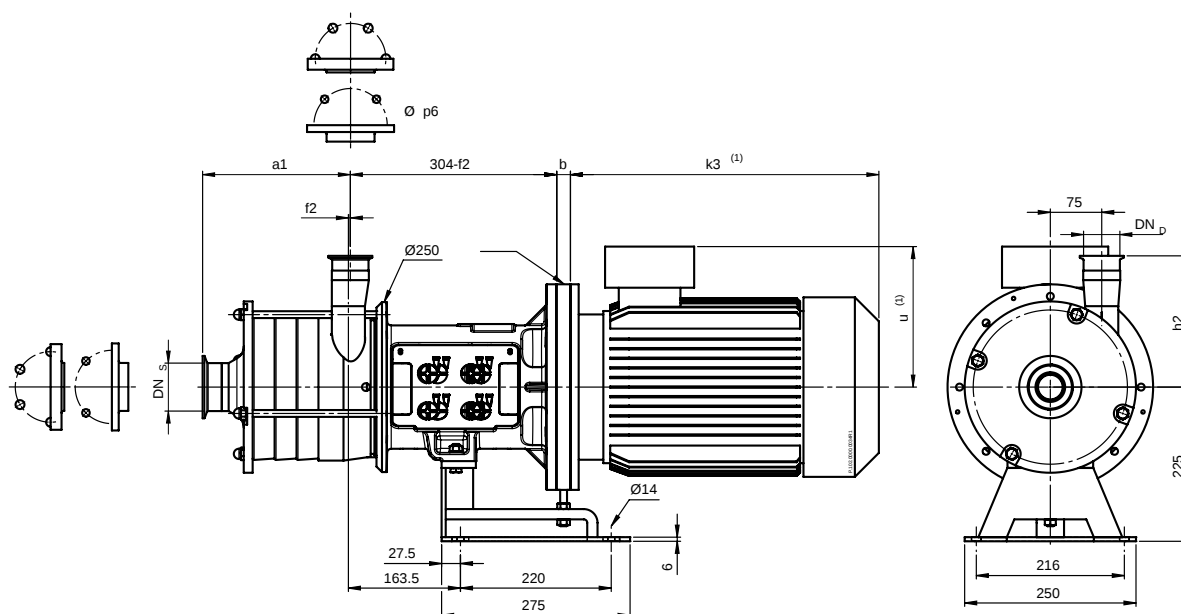


Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	



* registered for recertification



2-pole

				Standard		tronic		
P2 [kW]	IEC- size	b [mm]	p _s [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
4.0	112M	0	250	380	185	334	201	93
5.5	132S	20	300	450	205	365	201	120
7.5	132S	20	300	450	205	389	237	129
11.0	160M	51	350	570	260	406	237	156
15.0	160M	51	350	570	260	471	308	164
18.5	160L	51	350	580	260	515	308	185

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.

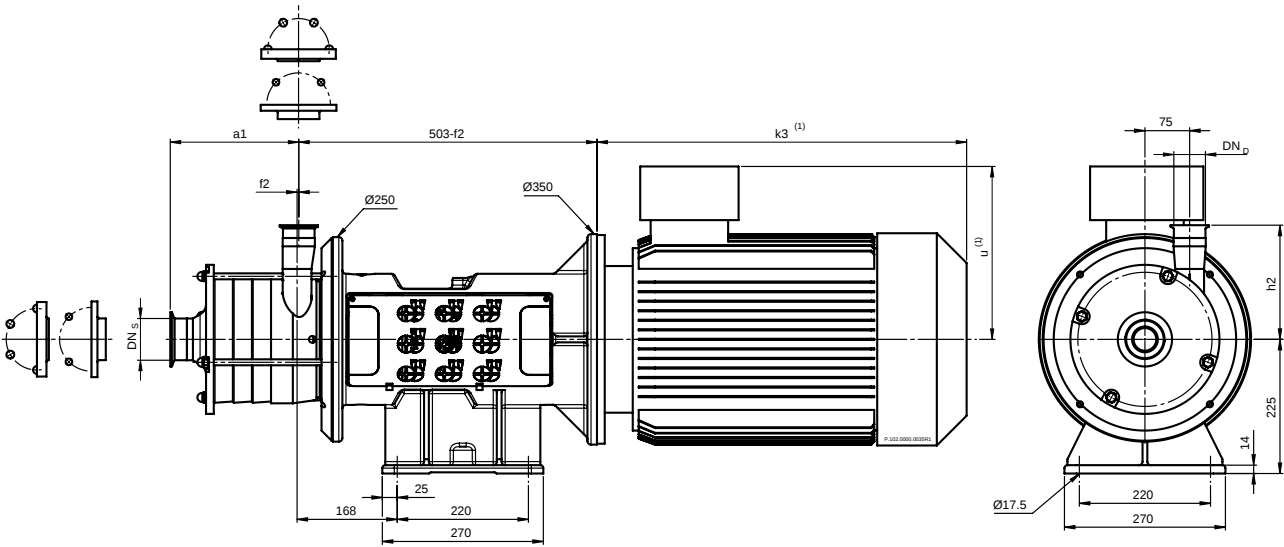
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.

Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

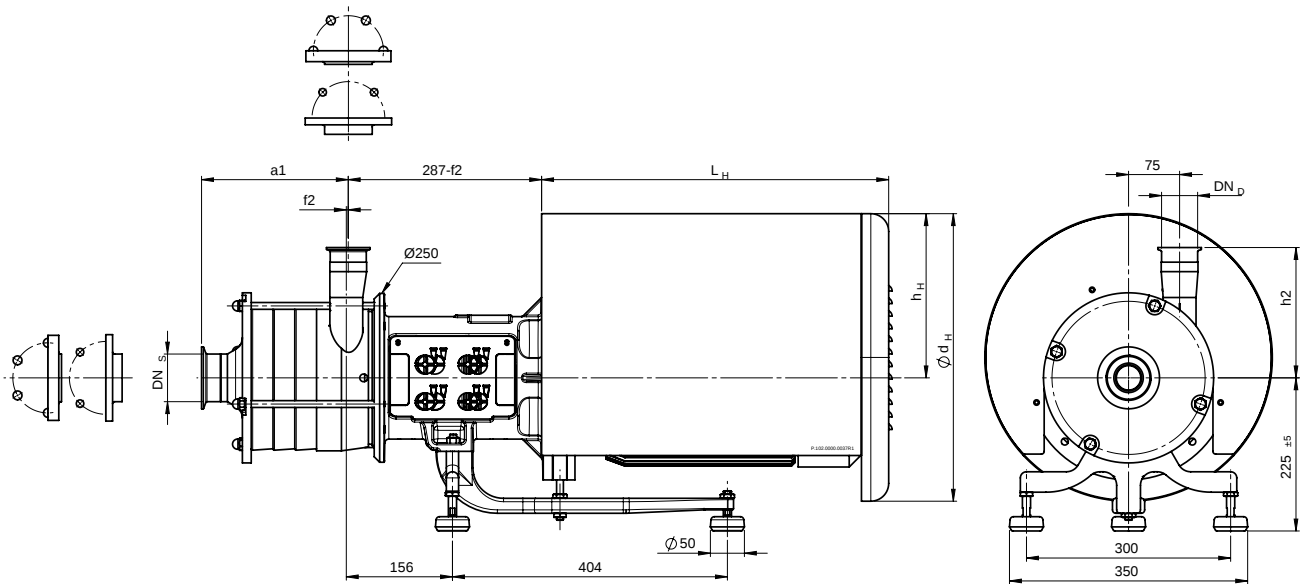
		Standard		tronic		
P2 [kW]	IEC- size	k _s ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k _s ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
22.0	180M	620	290	541	308	273

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections.
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.
Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

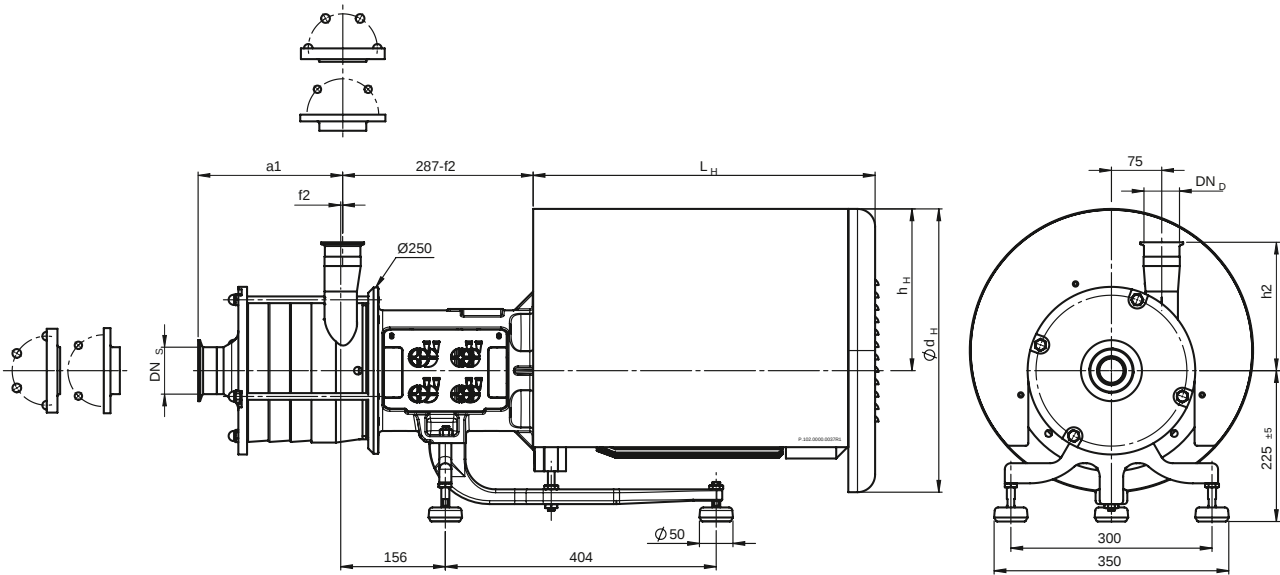
P2 [kW]	IEC- size	l _H [mm]	h _H [mm]	ød _H [mm]	Weight [kg]
4.0	112M	510	240	420	102
5.5	132S	510	240	420	129
7.5	132S	510	240	420	138

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections. Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	CERTIFIED* CE MDG TYPE EL - CLASS I FDA

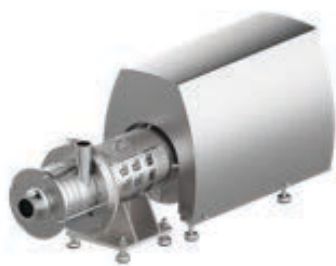
* registered for recertification



2-pole

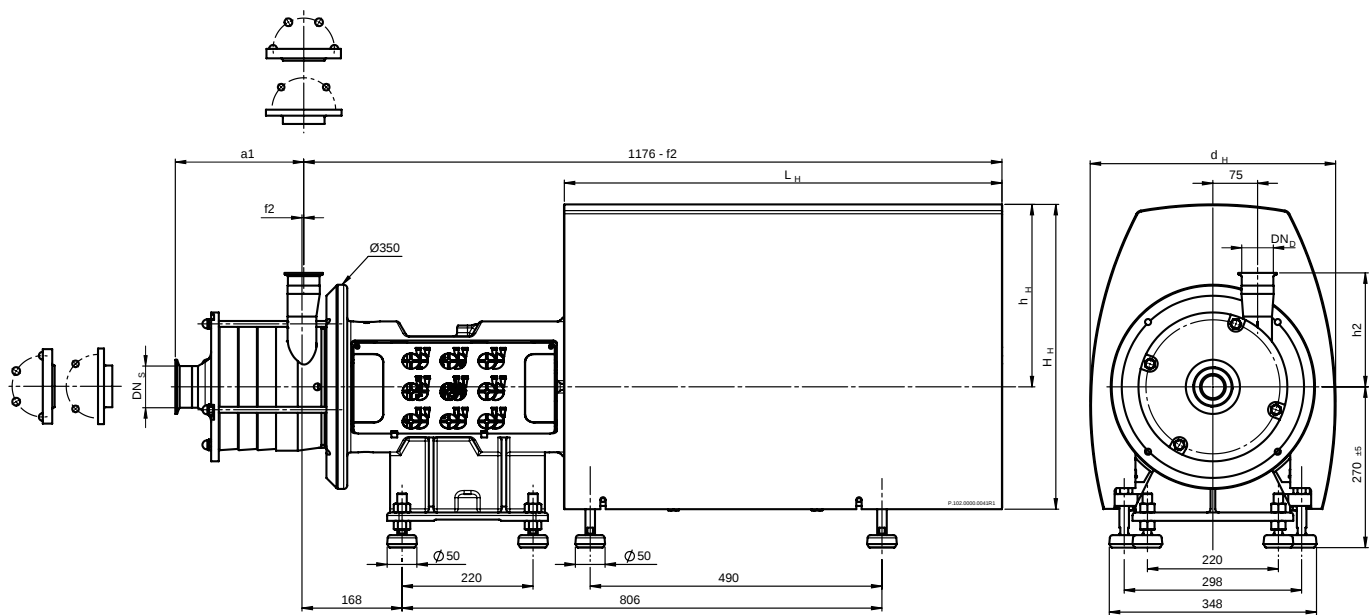
P2 [kW]	IEC-size	Weight [kg]
11.0	160M	175
15.0	160M	182
18.5	160L	204

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, e1). See table of connections. Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	 

* registered for recertification



2-pole

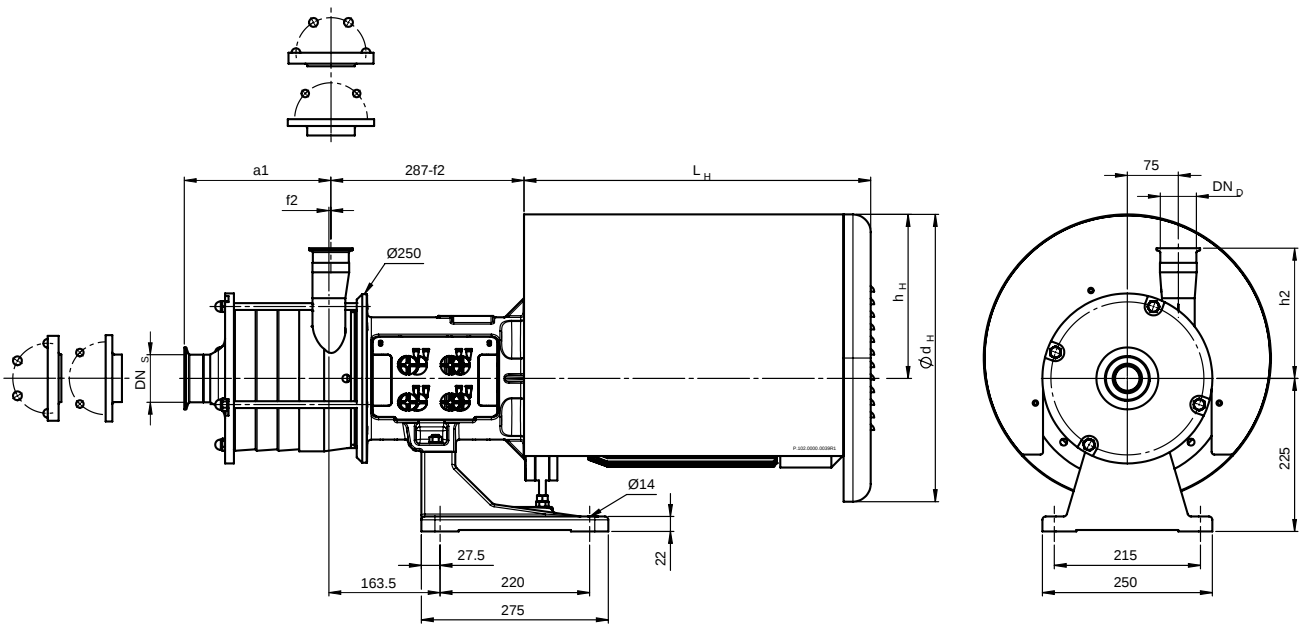
P2 [kW]	IEC- size	L _H [mm]	H _H [mm]	h _H [mm]	d _H [mm]	Weight [kg]
22.0	180M	736	512	307	413	303

Dimensions depend on the casing size (DN_s, DN_D, a1, h2, e1). See table of connections. Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	CERTIFIED TYPE B1 - CLASS I

* registered for recertification



2-pole

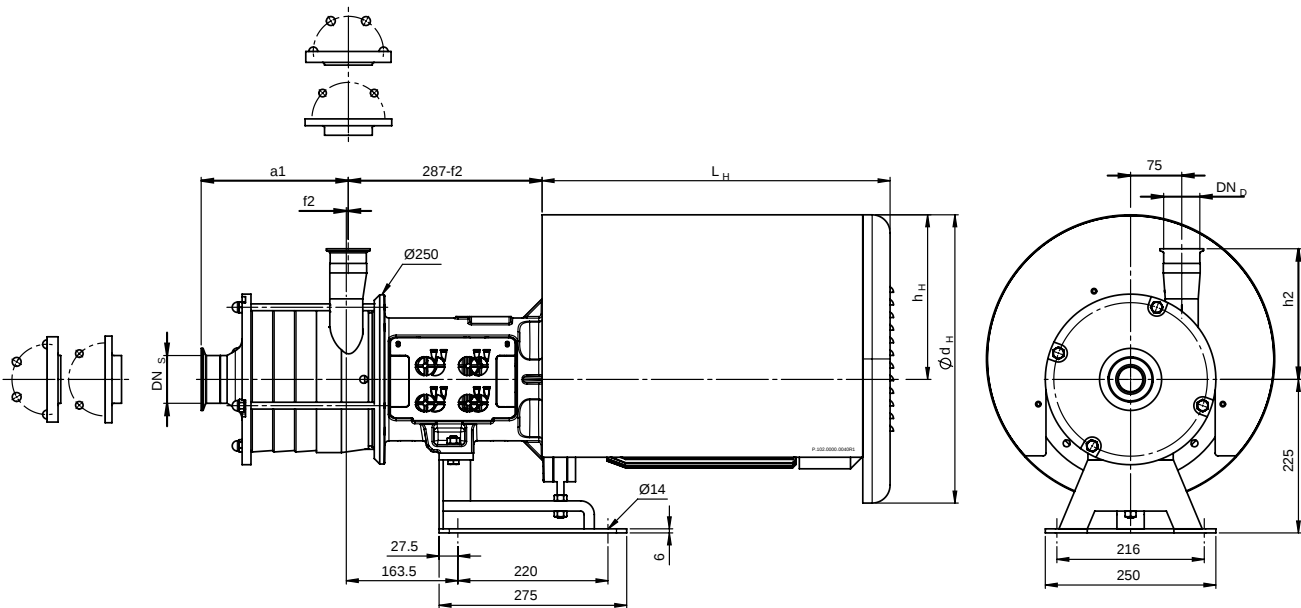
P2 [kW]	IEC- size	l _H [mm]	h _H [mm]	ød _H [mm]	Weight [kg]
4.0	112M	510	240	420	104
5.5	132S	510	240	420	131
7.5	132S	510	240	420	140
11.0	160M	650	285	485	172
15.0	160M	650	285	485	179
18.5	160L	650	285	485	201

Dimensions depend on the casing size (DN_S, DN_D, a1, h2, e1). See table of connections. Weight: net-weight without packaging



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3 × 380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	CERTIFIED EHEDG EUROPEAN HYGIENE DESIGN TYPE EL - CLASS I FDA

* registered for recertification



2-pole

P2 [kW]	IEC-size	l _H [mm]	h _H [mm]	ød _H [mm]	Weight [kg]
4.0	112M	510	240	420	101
5.5	132S	510	240	420	127
7.5	132S	510	240	420	136
11.0	160M	650	285	485	168
15.0	160M	650	285	485	176
18.5	160L	650	285	485	197

Dimensions depend on the casing size (DN_S, DN_P, a1, h2, e1). See table of connections. Weight: net-weight without packaging

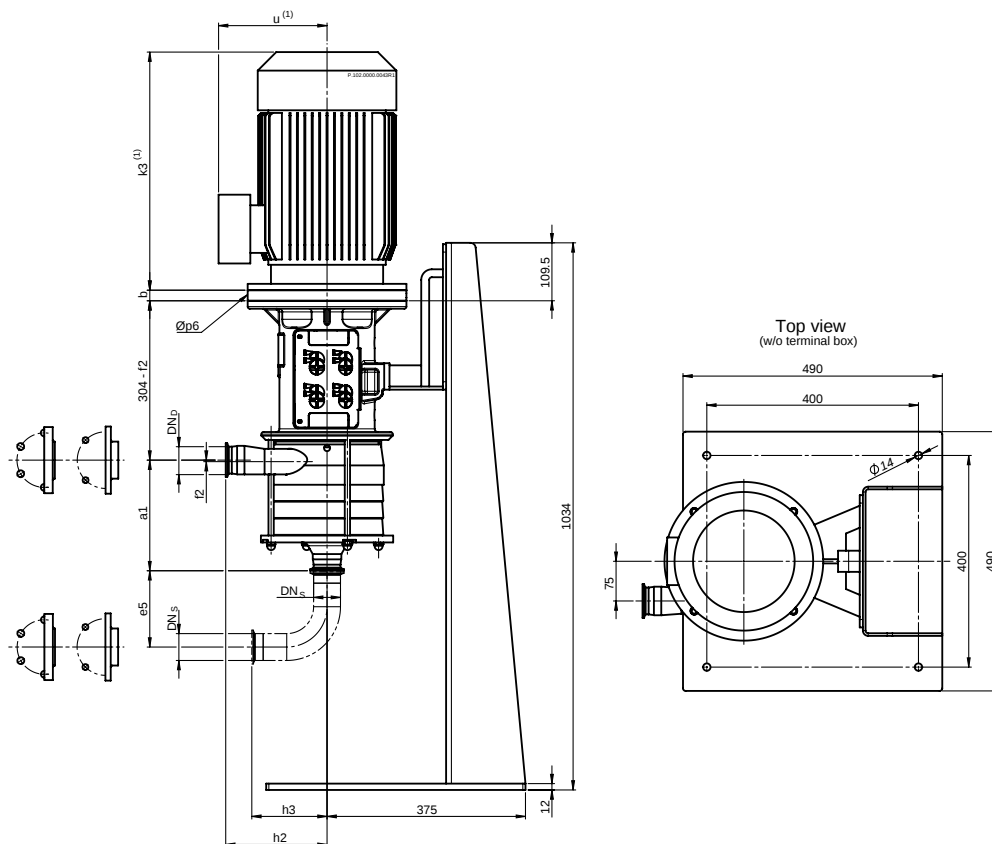


Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Thread DIN 11851
Nominal width of connections	Suction side DN 50–80, pressure side DN 40–65
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: IEC-Motor, 3×380/400/415 V/50 Hz, IP 55, ISO-Class F, incl. PTC thermistor, IE3
Documentation	Operating instructions, declaration of conformity, pump test report
Flow rate 50 Hz	Max. 40 m³/h
Flow rate 60 Hz	Max. 35 m³/h
Pump head 50 Hz	Max. 160 m
Pump head 60 Hz	Max. 230 m
Housing pressure	25 bar
Certificates	



* registered for recertification



2-pole

				Standard		tronic		
P2 [kW]	IEC- size	b [mm]	p _s [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	k ₃ ⁽¹⁾ [mm]	u ⁽¹⁾ [mm]	Weight [kg]
4.0	112M	0	250	380	185	334	201	135
5.5	132S	20	300	450	205	365	201	162
7.5	132S	20	300	450	205	389	237	171
11.0	160M	51	350	570	260	406	237	198
15.0	160M	51	350	570	260	471	308	206
18.5	160L	51	350	580	260	515	308	227
22	160L							On request

Dimensions depend on the casing size (DN_s, DN_p, a1, h2, h3, e1, e5). See table of connections.

⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.

Weight: net-weight without packaging

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Кострома (4942)77-07-48
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Пенза (8412)22-31-16
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Псков (8112)59-10-37
Ростов-на-Дону (863)308-18-15
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Саранск (8342)22-96-24
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
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