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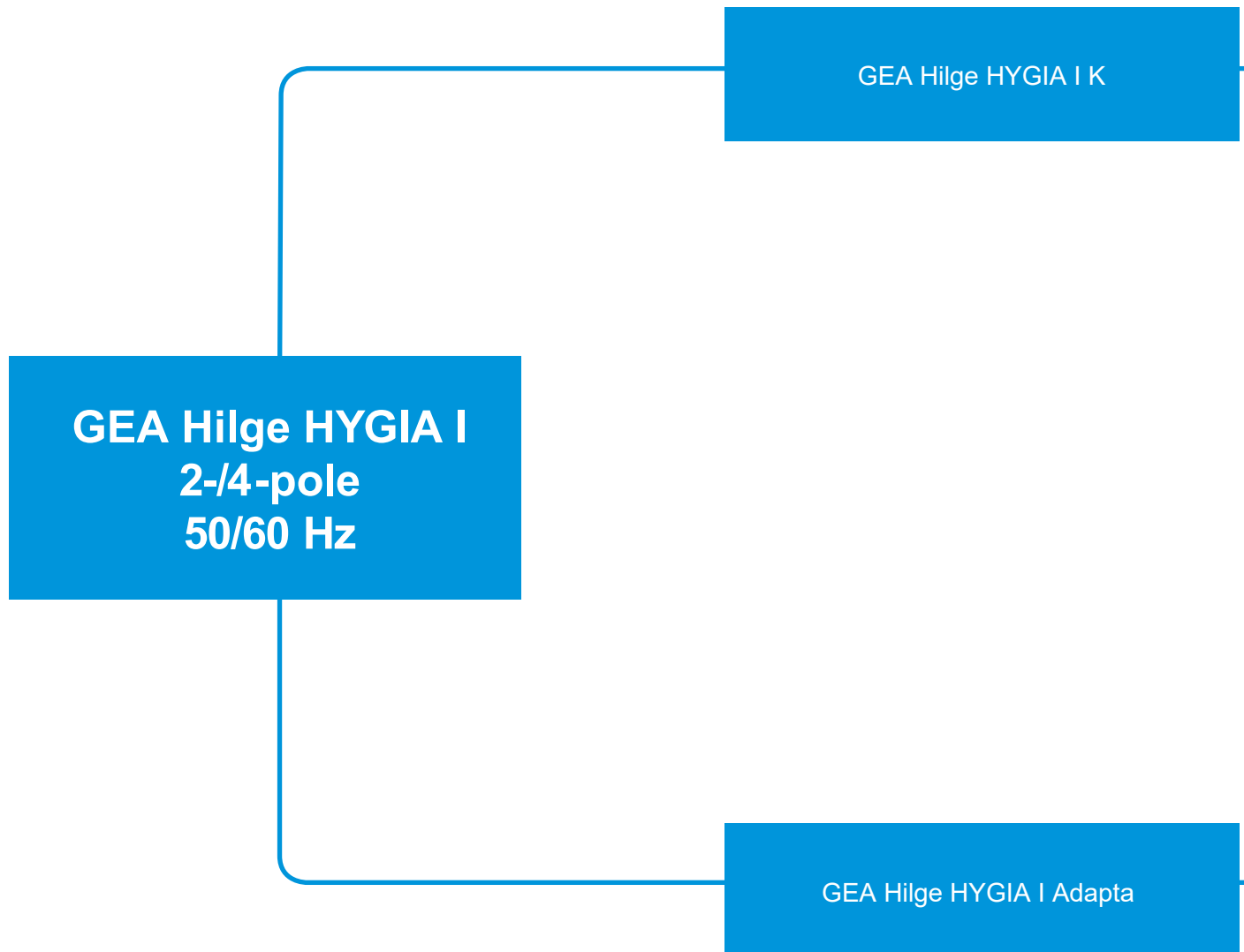
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НАСОСЫ

Nilge NYGIA

Технические характеристики

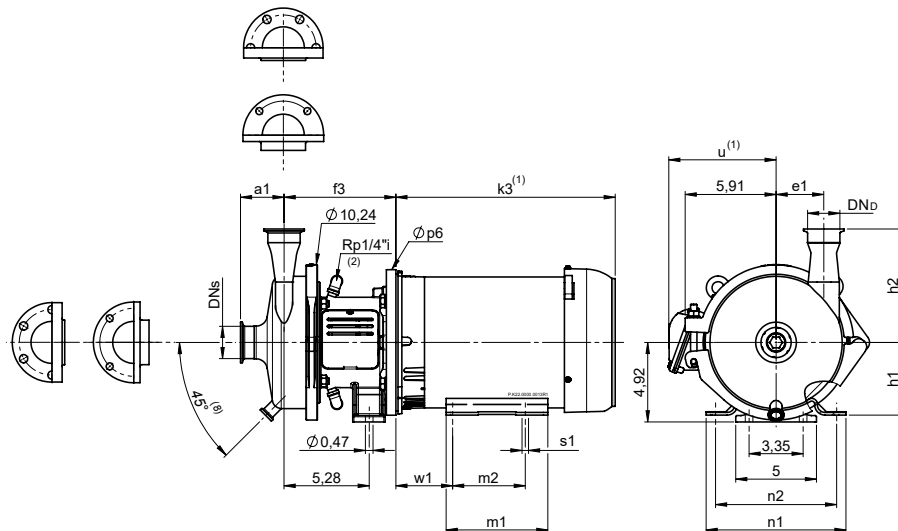






Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 1"-2 1/2", pressure side 1"-2"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208–230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 45 m³/h (198 US gpm)
Flow rate 60 Hz	Max. 46 m³/h (203 US gpm)
Pump head 50 Hz	Max. 45 m (148 ft)
Pump head 60 Hz	Max. 66 m (217 ft)
Housing pressure	16 bar (232 psi)
Certificates	



2-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	f ₃ [inch]	p _e [inch]	w ₁ [inch]	m ₁ [inch]	m ₂ [inch]	n ₁ [inch]	n ₂ [inch]	s ₁ [inch]	h ₁ [inch]	Weight [lb]
1.5	143TC	11.80	5.90	6.93	6.93	2.87	6.50	4.00	6.54	5.50	0.34	3.50	71.91
2.0	145TC	11.80	5.90	6.93	6.93	2.87	6.50	4.00	6.54	5.50	0.34	3.50	77.87
3.0	182TC	15.20	7.00	7.06	9.02	3.38	6.30	4.50	8.66	7.50	0.41	4.50	102.18
5.0	184TC	15.20	7.00	7.06	9.02	3.38	6.30	4.50	8.66	7.50	0.41	4.50	117.18
7.5	213TC	16.90	8.00	7.06	9.02	4.25	7.95	5.50	9.45	8.50	0.41	5.25	172.03

4-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	f ₃ [inch]	p _e [inch]	w ₁ [inch]	m ₁ [inch]	m ₂ [inch]	n ₁ [inch]	n ₂ [inch]	s ₁ [inch]	h ₁ [inch]	Weight [lb]
1.1	143TC	11.80	5.90	6.93	6.93	2.87	6.50	4.00	6.54	5.50	0.34	3.50	75.66
1.5	145TC	11.80	5.90	6.93	6.93	2.87	6.50	4.00	6.54	5.50	0.34	3.50	75.66
2.0	145TC	11.80	5.90	6.93	6.93	2.87	6.50	4.00	6.54	5.50	0.34	3.50	80.07

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.

⁽²⁾ Flushing connection only for quenched version

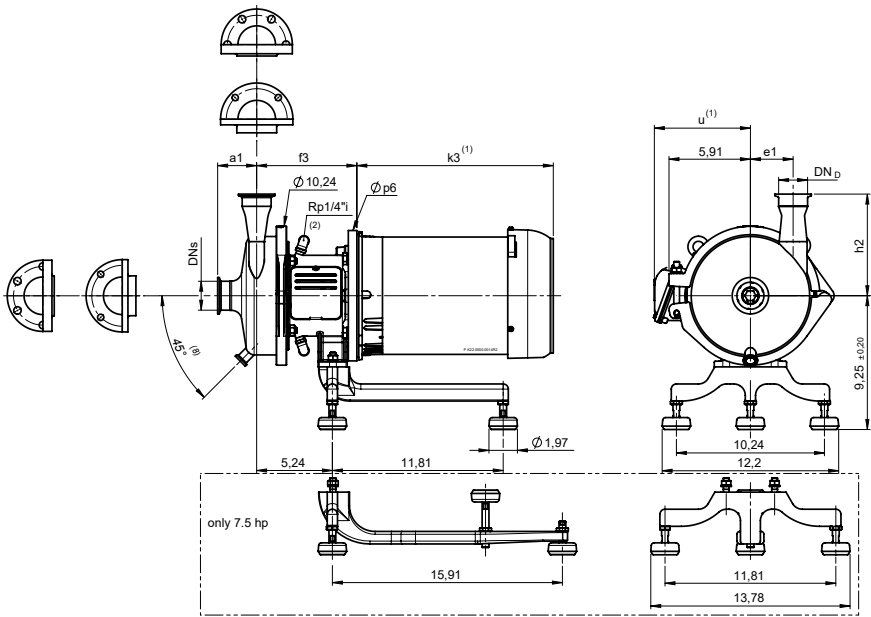
⁽³⁾ Option: drain valve (dimensions and other drainage variants on request)

Weight: net-weight without packaging

* The pump needs to be mounted according to 3-A Sanitary standard.



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 1"-2 1/2", pressure side 1"-2"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208–230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 45 m³/h (198 US gpm)
Flow rate 60 Hz	Max. 46 m³/h (203 US gpm)
Pump head 50 Hz	Max. 45 m (148 ft)
Pump head 60 Hz	Max. 66 m (217 ft)
Housing pressure	16 bar (232 psi)
Certificates	 



2-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	f_3 [inch]	p_6 [inch]	Weight [lb]
1.5	143TC	11.80	5.90	6.93	6.93	80.44
2.0	145TC	11.80	5.90	6.93	6.93	86.39
3.0	182TC	15.20	7.00	7.06	9.02	110.71
5.0	184TC	15.20	7.00	7.06	9.02	125.70
7.5	213TC	16.90	8.00	7.06	9.02	184.56

4-pole

P2 [hp]	IEC- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	f_3 [inch]	P_6 [inch]	Weight [lb]
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.						
⁽²⁾ Flushing connection only for quench version						
1.5	145TC	11.80	5.90	6.93	6.93	84.19
2.0	145TC	11.80	5.90	6.93	6.93	88.60

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

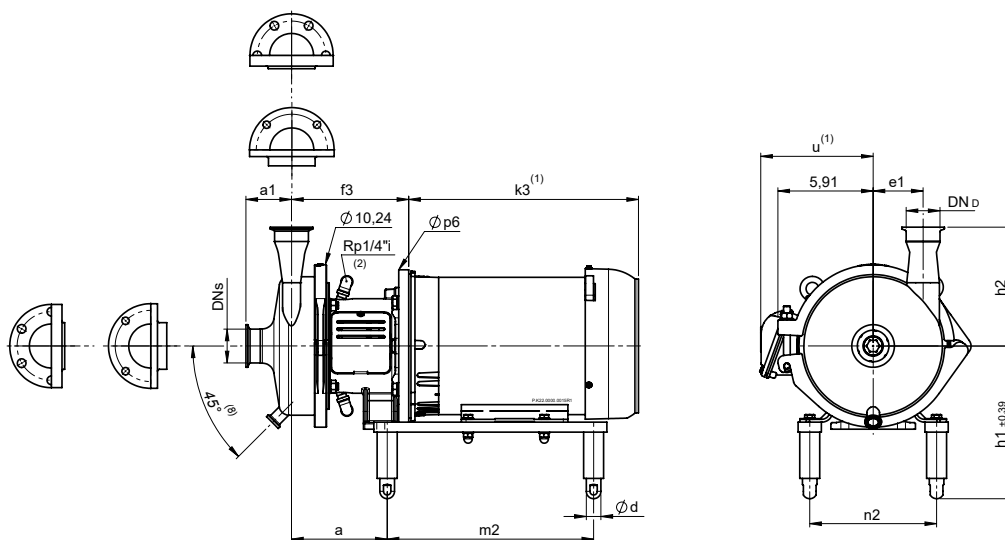
⁽⁶⁾ Option: drain valve (dimensions and other drainage variants on request) Weight:
net-weight without packaging



Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 1"-2 1/2", pressure side 1"-2"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 45 m³/h (198 US gpm)
Flow rate 60 Hz	Max. 46 m³/h (203 US gpm)
Pump head 50 Hz	Max. 45 m (148 ft)
Pump head 60 Hz	Max. 66 m (217 ft)
Housing pressure	16 bar (232 psi)

Certificates



2-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	f ₃ [inch]	p _e [inch]	a [inch]	d [inch]	m ₂ [inch]	n ₂ [inch]	h ₁ [inch]	Weight [lb]
1.5	143TC	11.80	5.90	6.93	6.93	5.32	0.87	11.61	7.87	8.82	86.25
2.0	145TC	11.80	5.90	6.93	6.93	5.32	0.87	11.61	7.87	8.82	91.83
3.0	182TC	15.20	7.00	7.06	9.02	5.65	0.87	12.20	7.50	9.03	111.45
5.0	184TC	15.20	7.00	7.06	9.02	5.65	0.87	12.20	7.50	9.03	128.07
7.5	213TC	16.90	8.00	7.06	9.02	3.54	0.87	16.14	8.50	9.78	186.05

4-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	f ₃ [inch]	p _e [inch]	a [inch]	d [inch]	m ₂ [inch]	n ₂ [inch]	h ₁ [inch]	Weight [lb]
1.0	143TC	11.80	5.90	6.93	6.93	5.32	0.87	11.61	7.87	8.82	90.00
1.5	145TC	11.80	5.90	6.93	6.93	5.32	0.87	11.61	7.87	8.82	90.00
2.0	145TC	11.80	5.90	6.93	6.93	5.32	0.87	11.61	7.87	8.82	94.41

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

⁽²⁾ Flushing connection only for quenched version

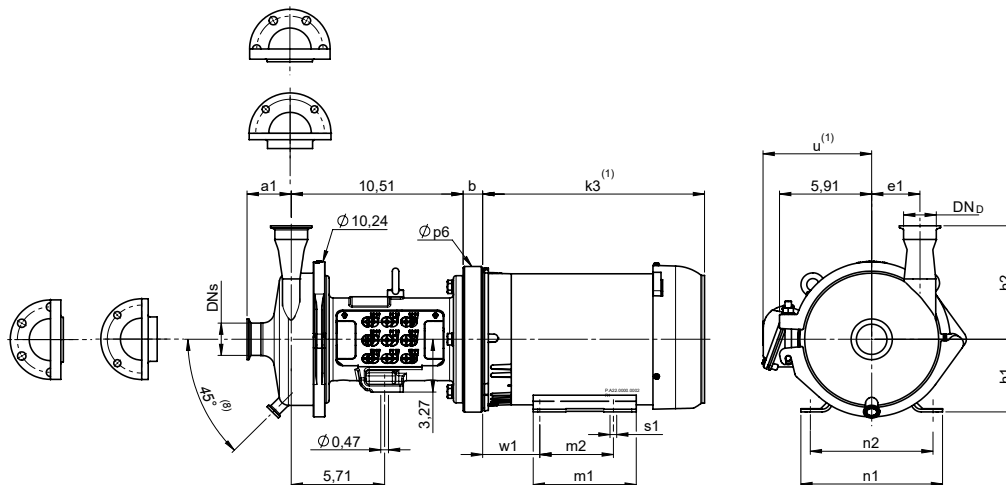
Dimensions depend on the casing size (DN_s, DN_D, a1, h2, e1). See table of connections.

⁽⁸⁾ Option: drain valve (dimensions and other drainage variants on request) 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	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 1"-2 1/2", pressure side 1"-2"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 45 m³/h (198 US gpm)
Flow rate 60 Hz	Max. 46 m³/h (203 US gpm)
Pump head 50 Hz	Max. 45 m (148 ft)
Pump head 60 Hz	Max. 66 m (217 ft)
Housing pressure	16 bar (232 psi)
Certificates	  



2-pole

P2 [hp]	NEMA- size	k _s ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	b [inch]	p ₆ [inch]	w ₁ [inch]	m ₁ [inch]	m ₂ [inch]	n ₁ [inch]	n ₂ [inch]	s ₁ [inch]	h ₁ [inch]	Weight [lb]
1.5	143TC	12.50	6.40	0.55	7.87	2.87	6.50	4.00	6.54	5.50	0.34	3.50	90.17
2.0	145TC	12.50	6.40	0.55	7.87	2.87	6.50	4.00	6.54	5.50	0.34	3.50	96.12
3.0	182TC	15.20	7.60	1.19	9.02	3.38	6.30	4.50	8.66	7.50	0.41	4.50	122.36
5.0	184TC	15.20	7.60	1.19	9.02	3.38	6.30	4.50	8.66	7.50	0.41	4.50	137.35
7.5	213TC	16.90	9.40	1.69	9.02	4.25	7.95	5.50	9.45	8.50	0.41	5.25	193.79

4-pole

P2 [hp]	NEMA- size	k _s ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	b [inch]	p ₆ [inch]	w ₁ [inch]	m ₁ [inch]	m ₂ [inch]	n ₁ [inch]	n ₂ [inch]	s ₁ [inch]	h ₁ [inch]	Weight [lb]
1.0	143TC	12.50	6.40	0.55	7.87	2.87	6.50	4.00	6.54	5.50	0.34	3.50	93.92
1.5	145TC	12.50	6.40	0.55	7.87	2.87	6.50	4.00	6.54	5.50	0.34	3.50	93.92
2.0	145TC	12.50	6.40	0.55	7.87	2.87	6.50	4.00	6.54	5.50	0.34	3.50	98.33

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. ⁽²⁾ Option: drain valve (dimensions and other drainage variants on request)

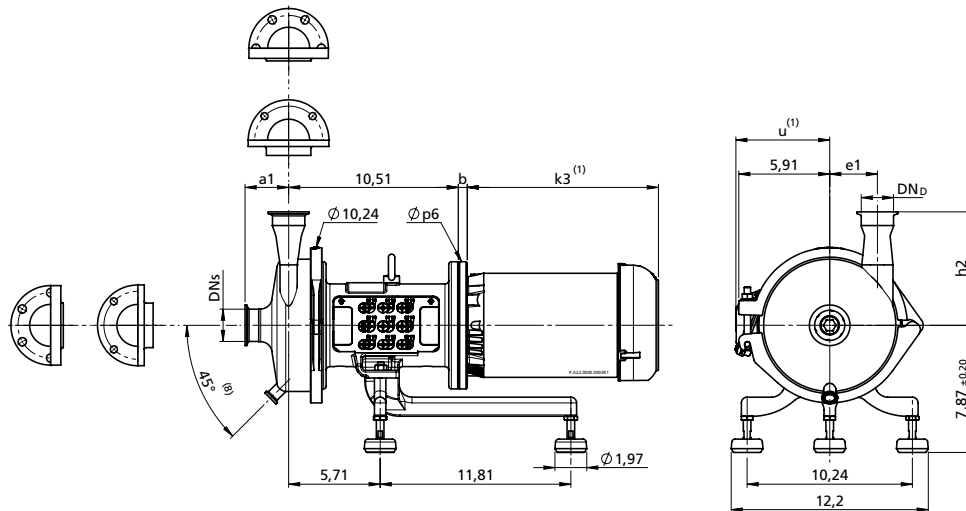
Weight: net-weight without packaging

* The pump needs to be mounted according to 3-A Sanitary standard.



Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 1"-2 1/2", pressure side 1"-2"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 45 m ³ /h (198 US gpm)
Flow rate 60 Hz	Max. 46 m ³ /h (203 US gpm)
Pump head 50 Hz	Max. 45 m (148 ft)
Pump head 60 Hz	Max. 66 m (217 ft)
Housing pressure	16 bar (232 psi)
Certificates	



2-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	b [inch]	$\varnothing p_6$ [inch]	Weight [lb]
1.5	143TC	12.50	6.40	0.55	7.87	98.69
2.0	145TC	12.50	6.40	0.55	7.87	104.65

4-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	b [inch]	$\varnothing p_6$ [inch]	Weight [lb]
1.0	143TC	12.50	6.40	0.55	7.87	102.44
1.5	145TC	12.50	6.40	0.55	7.87	102.44
2.0	145TC	12.50	6.40	0.55	7.87	106.85

Dimensions depend on the casing size (DN_s , DN_p , a_1 , h_2 , e_1). 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.

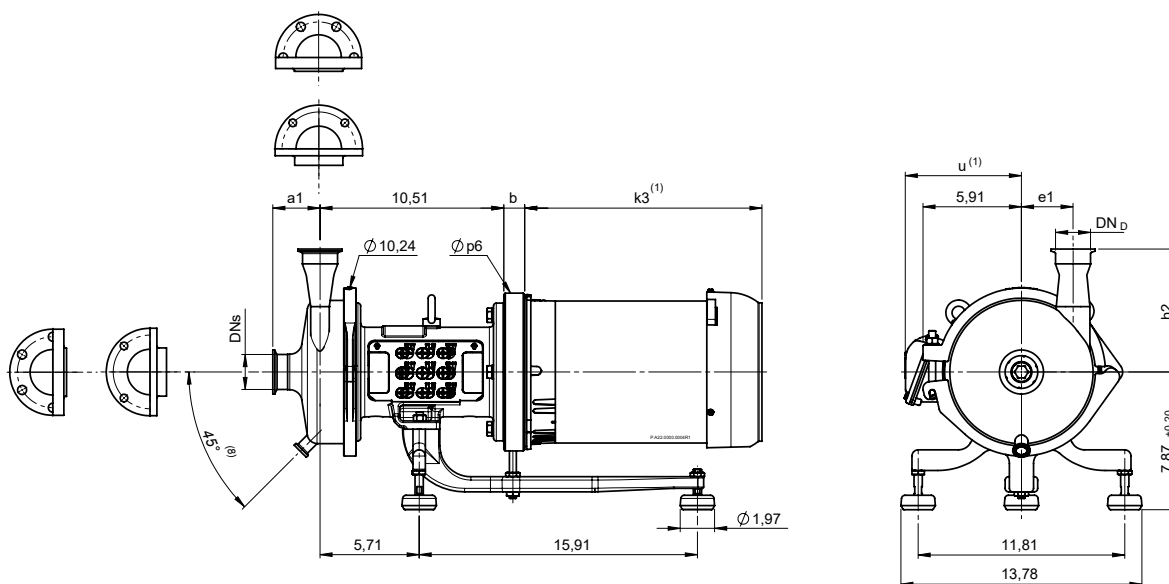
⁽⁸⁾ Option: drain valve (dimensions and other drainage variants on request)

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	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 1"-2 1/2", pressure side 1"-2"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 45 m³/h (198 US gpm)
Flow rate 60 Hz	Max. 46 m³/h (203 US gpm)
Pump head 50 Hz	Max. 45 m (148 ft)
Pump head 60 Hz	Max. 66 m (217 ft)
Housing pressure	16 bar (232 psi)
Certificates	 



2-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	b [inch]	$\varnothing p_s$ [inch]	Weight [lb]
3.0	182TC	15.20	7.60	1.19	9.02	134.48
5.0	184TC	15.20	7.60	1.19	9.02	149.47
7.5	213TC	16.90	9.40	1.69	9.02	205.91

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.⁽⁸⁾ Option: drain valve (dimensions and other drainage variants on request)

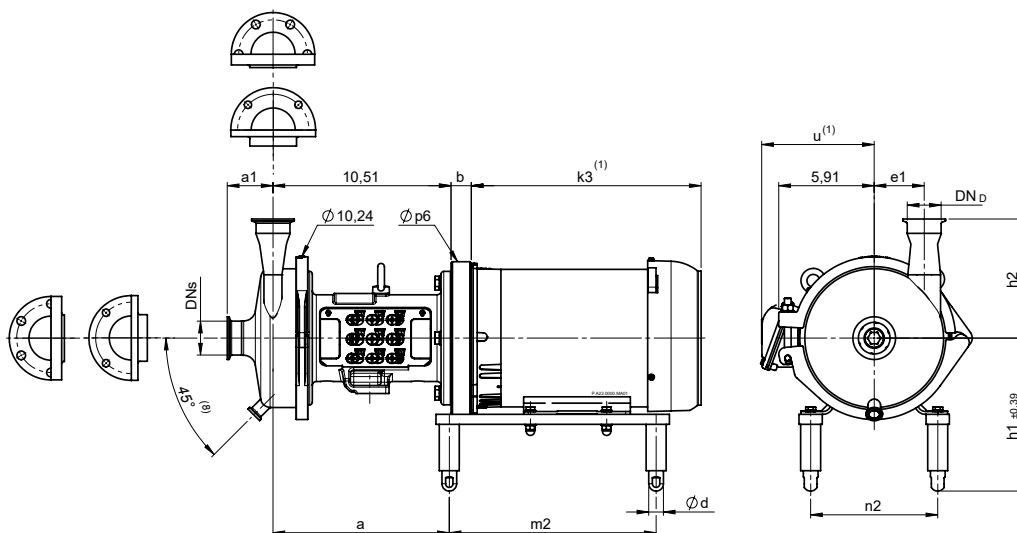
Weight: net-weight without packaging



Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 1"-2 1/2", pressure side 1"-2"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208–230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 45 m³/h (198 US gpm)
Flow rate 60 Hz	Max. 46 m³/h (203 US gpm)
Pump head 50 Hz	Max. 45 m (148 ft)
Pump head 60 Hz	Max. 66 m (217 ft)
Housing pressure	16 bar (232 psi)

Certificates



2-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	b [inch]	p_6 [inch]	a [inch]	d [inch]	m_2 [inch]	n_2 [inch]	h_1 [inch]	Weight [lb]
1.5	143TC	12.50	6.40	0.55	7.87	9.45	0.87	11.61	5.50	8.82	100.76
2.0	145TC	12.50	6.40	0.55	7.87	9.45	0.87	11.61	5.50	8.82	106.71
3.0	182TC	15.20	7.60	1.19	9.02	10.41	0.87	12.20	7.50	9.06	132.72
5.0	184TC	15.20	7.60	1.19	9.02	10.41	0.87	12.20	7.50	9.06	147.80
7.5	213TC	16.90	9.40	1.69	9.02	9.54	0.87	16.14	8.50	9.84	206.35

4-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	b [inch]	p_6 [inch]	a [inch]	d [inch]	m_2 [inch]	n_2 [inch]	h_1 [inch]	Weight [lb]
1.0	143TC	12.50	6.40	0.55	7.87	9.45	0.87	11.61	5.50	8.82	104.51
1.5	145TC	12.50	6.40	0.55	7.87	9.45	0.87	11.61	5.50	8.82	104.51
2.0	145TC	12.50	6.40	0.55	7.87	9.45	0.87	11.61	5.50	8.82	108.92

Dimensions depend on the casing size (DN_s , DN_p , a_1 , h_2 , e_1). 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. ⁽⁸⁾ Option: drain valve (dimensions and other drainage variants on request)

Weight: net-weight without packaging

GEA Hilge HYGIA II
2-/4-pole
50/60 Hz

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graph LR; A[GEA Hilge HYGIA II 2-/4-pole 50/60 Hz] --- B[GEA Hilge HYGIA II K]; A --- C[GEA Hilge HYGIA II Adapta]
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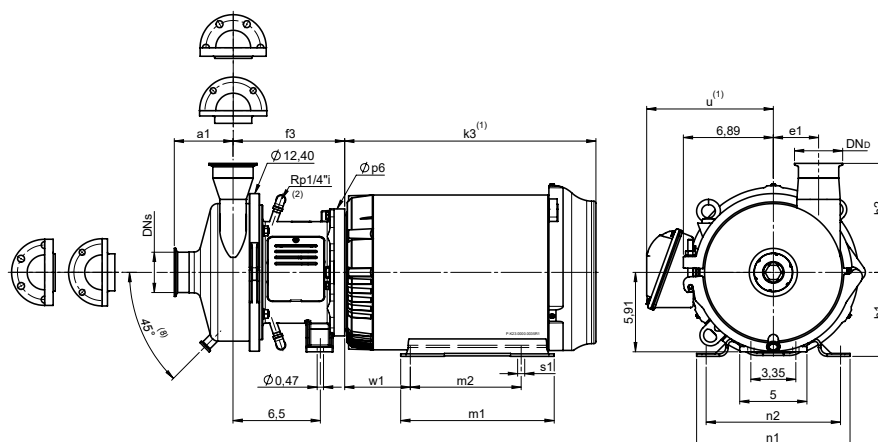
GEA Hilge HYGIA II K

GEA Hilge HYGIA II Adapta



Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"– 4", pressure side 2"– 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208–230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m³/h (528 US gpm)
Flow rate 60 Hz	Max. 120 m³/h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	 * 



2-pole

P2 [hp]	NEMA- size	$k_s^{(1)}$ [inch]	$u^{(1)}$ [inch]	f_{s_3} [inch]	p_6 [inch]	w_1 [inch]	m_1 [inch]	m_2 [inch]	n_1 [inch]	n_2 [inch]	s_1 [inch]	h_1 [inch]	Weight [lb]
5.0	184TC	15.20	7.00	8.44	9.45	3.38	6.30	4.50	8.66	7.50	0.41	4.50	139.77
7.5	213TC	16.90	8.00	8.44	9.45	4.25	7.95	5.50	9.45	8.50	0.41	5.25	194.89
10.0	215TC	18.30	8.00	8.44	9.45	4.25	7.95	5.50	9.45	8.50	0.41	5.25	223.77
15.0	254TC	21.00	10.50	8.44	9.45	4.25	11.73	8.25	12.13	10.00	0.53	6.25	237.22
20.0	256TC	21.00	10.50	8.44	9.45	4.25	11.73	8.25	12.13	10.00	0.53	6.25	273.59
25.0	284TSC	23.50	11.10	8.24	11.02	4.75	13.07	9.50	13.78	11.00	0.53	7.00	424.39
30.0	286TSC	23.50	11.10	8.24	11.02	4.75	13.07	9.50	13.78	11.00	0.53	7.00	455.25

4-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	f_3 [inch]	p_6 [inch]	w_1 [inch]	m_1 [inch]	m_2 [inch]	n_1 [inch]	n_2 [inch]	s_1 [inch]	h_1 [inch]	Weight [lb]
3.0	182TC	15.20	7.00	8.44	9.45	3.38	6.30	4.50	8.66	7.50	0.41	4.50	141.54
5.0	184TC	15.20	7.00	8.44	9.45	3.38	6.30	4.50	8.66	7.50	0.41	4.50	132.72
7.5	213TC	16.90	8.00	8.44	9.45	4.25	7.95	5.50	9.45	8.50	0.41	5.25	182.32
10.0	215TC	18.30	8.00	8.44	9.45	4.25	7.95	5.50	9.45	8.50	0.41	5.25	192.68

Dimensions depend on the casing size (DN_s, DN₀, 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.

(2) Flushing connection only for quenched version

(8) Option: drain valve (dimensions and other drainage variants on request)

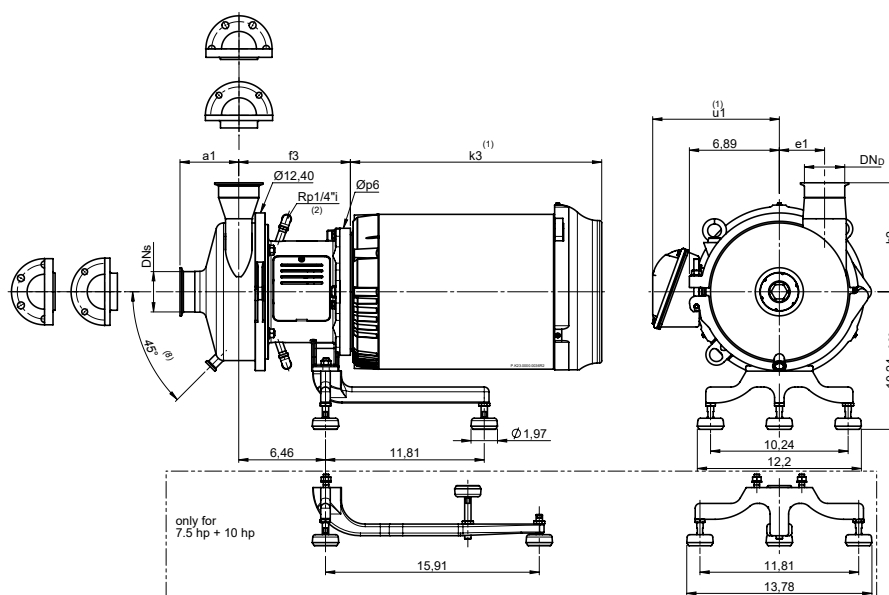
Weight: net-weight without packaging

* The pump needs to be mounted according to 3-A Sanitary standard.



Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"- 4", pressure side 2"- 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208–230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m³/h (528 US gpm)
Flow rate 60 Hz	Max. 120 m³/h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	



2-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	f ₃ [inch]	p ₆ [inch]	Weight [lb]
5.0	184TC	15.20	7.00	8.44	9.45	148.30
7.5	213TC	16.90	8.00	8.44	9.45	194.86
10.0	215TC	18.30	8.00	8.44	9.45	236.31

4-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	f ₃ [inch]	P ₆ [inch]	Weight [lb]
3.0	182TC	15.20	7.00	8.44	9.45	150.06
5.0	184TC	15.20	7.00	8.44	9.45	141.24
7.5	213TC	16.90	8.00	8.44	9.45	194.86
10.0	215TC	18.30	8.00	8.44	9.45	205.22

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.

⁽²⁾ Flushing connection only for quenched version

⁽³⁾ Option: drain valve (dimensions and other drainage variants on request)

Weight: net-weight without packaging

GEA

GEA Hilge HYGIA II K

GEA Hilge HYGIA II

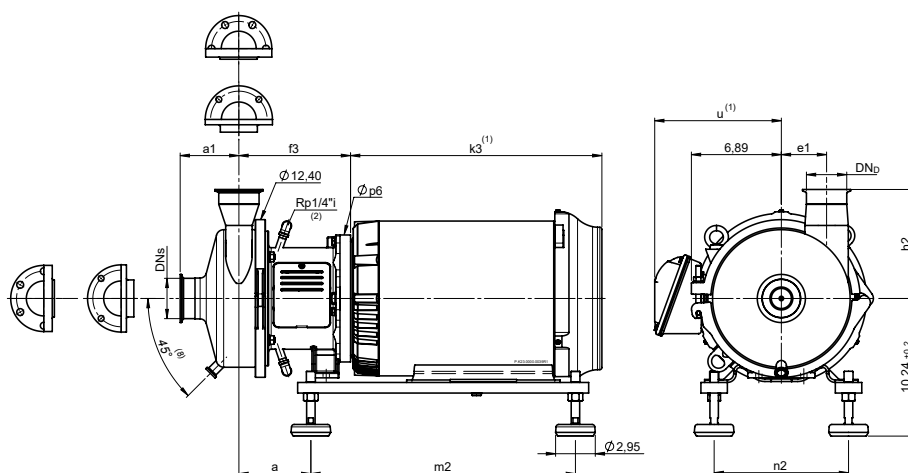
on Adjustable Feet (≥ 15 hp)



Technical data of the standard version

Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"- 4", pressure side 2"- 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m ³ /h (528 US gpm)
Flow rate 60 Hz	Max. 120 m ³ /h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)

Certificates



2-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	f_3 [inch]	p_6 [inch]	a [inch]	m [inch]	n_2 [inch]	Weight [lb]
15.0	254TC	21.00	10.50	8.44	9.45	4.86	19.69	10.00	264.11
20.0	256TC	21.00	10.50	8.44	9.45	4.86	19.69	10.00	300.49
25.0	284TSC	23.50	11.10	8.24	11.02	4.76	21.26	11.00	452.61
30.0	286TSC	23.50	11.10	8.24	11.02	4.76	21.26	11.00	483.47

Dimensions depend on the casing size (DN_s , DN_p , a_1 , h_2 , e_1). 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.

⁽²⁾ Flushing connection only for quenched version

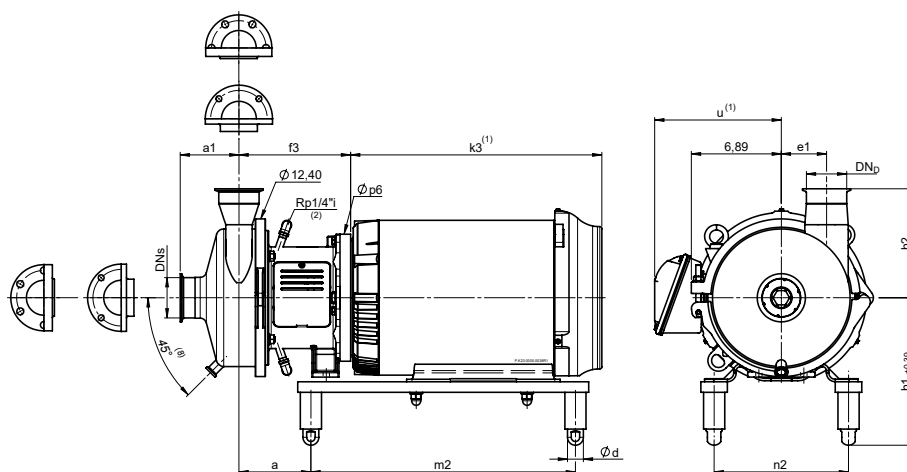
⁽³⁾ Option: drain valve (dimensions and other drainage variants on request)

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	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"- 4", pressure side 2"- 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208–230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m³/h (528 US gpm)
Flow rate 60 Hz	Max. 120 m³/h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	



2-pole

P2 [hp]	NEMA- size	k _s ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	f ₃ [inch]	p _g [inch]	a [inch]	d [inch]	m ₂ [inch]	n ₂ [inch]	h ₁ [inch]	Weight [lb]
5.0	184TC	15.20	7.00	8.44	9.45	7.03	0.87	12.20	7.50	9.84	152.65
7.5	213TC	16.90	8.00	8.44	9.45	5.66	0.87	16.14	8.50	9.84	207.33
10.0	215TC	18.30	8.00	8.44	9.45	5.66	0.87	16.14	8.50	9.84	236.24
15.0	254TC	21.00	10.50	8.44	9.45	4.86	1.18	19.69	10.00	10.98	263.37
20.0	256TC	21.00	10.50	8.44	9.45	4.86	1.18	19.69	10.00	10.98	299.76
25.0	284TSC	23.50	11.10	8.24	11.02	4.76	1.18	21.26	11.00	11.73	452.33
30.0	286TSC	23.50	11.10	8.24	11.02	4.76	1.18	21.26	11.00	11.73	483.23

4-pole

P2 [hp]	NEMA- size	k _s ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	f ₃ [inch]	p _g [inch]	a [inch]	d [inch]	m ₂ [inch]	n ₂ [inch]	h ₁ [inch]	Weight [lb]
3.0	182TC	15.20	7.00	8.44	9.45	7.03	0.87	12.20	7.50	9.84	152.12
5.0	184TC	15.20	7.00	8.44	9.45	7.03	0.87	12.20	7.50	9.84	145.60
7.5	213TC	16.90	8.00	8.44	9.45	5.66	0.87	16.14	8.20	9.84	194.76
10.0	215TC	18.30	8.00	8.44	9.45	5.66	0.87	16.14	8.50	9.84	205.15

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.

⁽²⁾ Flushing connection only for quenched version

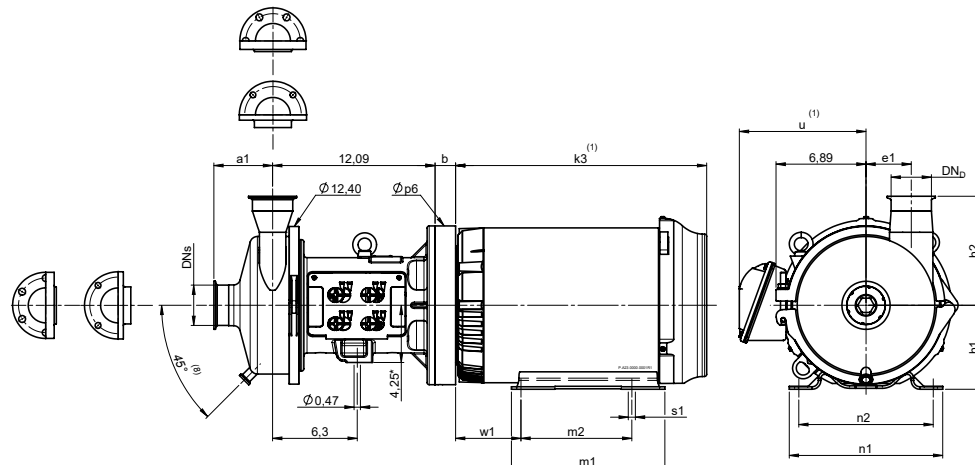
⁽³⁾ Option: drain valve (dimensions and other drainage variants on request)

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	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"- 4", pressure side 2"- 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m³/h (528 US gpm)
Flow rate 60 Hz	Max. 120 m³/h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	



2-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	b [inch]	p_6 [inch]	w_1 [inch]	m_1 [inch]	m_2 [inch]	n_1 [inch]	n_2 [inch]	s_1 [inch]	h_1 [inch]	Weight [lb]
5.0	184TC	15.20	7.00	0.39	11.81	3.38	6.30	4.50	8.66	7.50	0.41	4.50	178.79
7.5	213TC	16.90	8.00	0.91	11.81	4.25	7.95	5.50	9.45	8.50	0.41	5.25	237.22
10.0	215TC	18.30	8.00	0.91	11.81	4.25	7.95	5.50	9.45	8.50	0.41	5.25	266.10
15.0	254TC	21.30	10.30	1.54	11.81	4.75	11.42	8.25	11.42	10.00	0.53	6.25	283.96
20.0	256TC	21.30	10.30	1.54	11.81	4.75	11.42	8.25	11.42	10.00	0.53	6.25	320.33

4-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	b [inch]	p_6 [inch]	w_1 [inch]	m_1 [inch]	m_2 [inch]	n_1 [inch]	n_2 [inch]	s_1 [inch]	h_1 [inch]	Weight [lb]
3.0	182TC	15.20	7.00	0.39	11.81	3.38	6.30	4.50	8.66	7.50	0.41	4.50	180.56
5.0	184TC	15.20	7.00	0.39	11.81	3.38	6.30	4.50	8.66	7.50	0.41	4.50	171.74
7.5	213TC	16.90	8.00	0.91	11.81	4.25	7.95	5.50	9.45	8.50	0.41	5.25	224.65
10.0	215TC	18.30	8.00	0.91	11.81	4.25	7.95	5.50	9.45	8.50	0.41	5.25	235.01

Dimensions depend on the casing size (DN_s , DN_b , a_1 , h_2 , e_1). See table of connections.

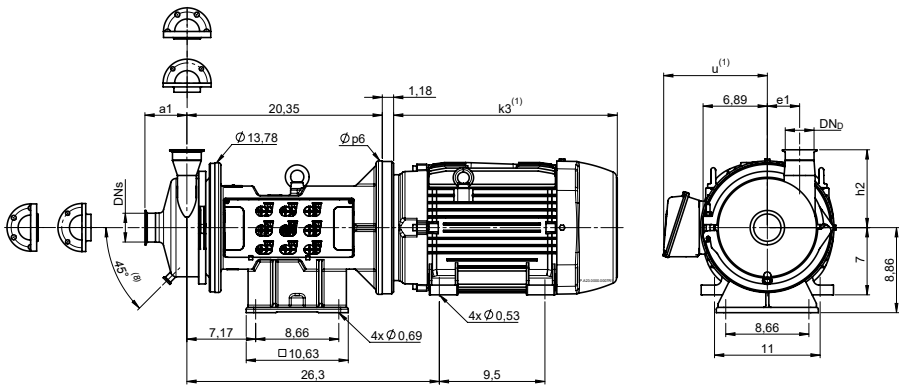
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The ⁽⁶⁾ Option: drain valve (dimensions and other drainage variants on request)

Weight: net-weight without packaging

* The pump needs to be mounted according to 3-A Sanitary standard.



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"- 4", pressure side 2"- 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m³/h (528 US gpm)
Flow rate 60 Hz	Max. 120 m³/h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	  



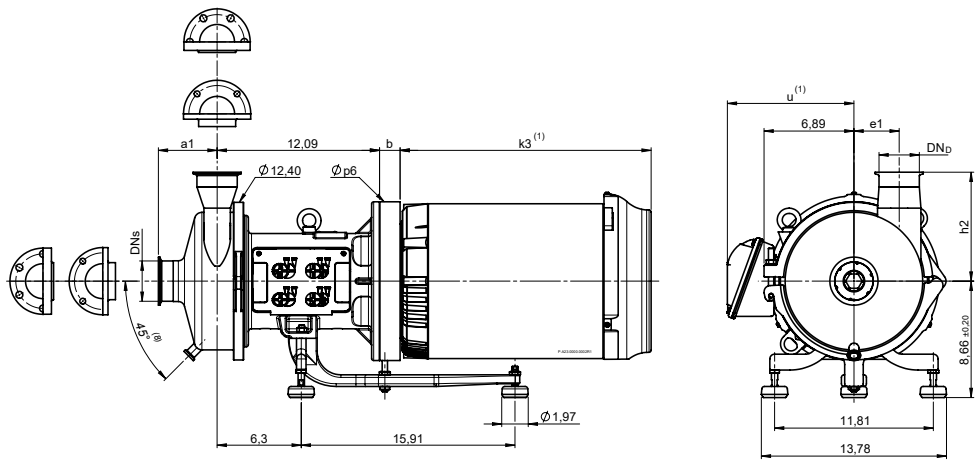
2-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	p [inch]	Weight [lb]
25.0	284TSC	23.30	12.60	13.78	615.09
30.0	286TSC	23.30	12.60	13.78	645.95

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 ⁽⁸⁾ Option: drain valve (dimensions and other drainage variants on request)⁽⁹⁾ Option: drain valve (dimensions and other drainage variants on request)
Weight: net-weight without packaging
* The pump needs to be mounted according to 3-A Sanitary standard.



Technical data of the standard version	
Materials	Pump housing: stainless steel 316L (1.4404/1.4435) Impeller: precision casting 316L (1.4404)
Connections	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"- 4", pressure side 2"- 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m³/h (528 US gpm)
Flow rate 60 Hz	Max. 120 m³/h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	



2-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	b [inch]	p ₆ [inch]	Weight [lb]
5.0	184TC	15.20	7.60	0.39	11.81	190.92
7.5	213TC	16.90	9.40	0.91	11.81	249.34
10.0	215TC	18.30	9.40	0.91	11.81	278.22

4-pole

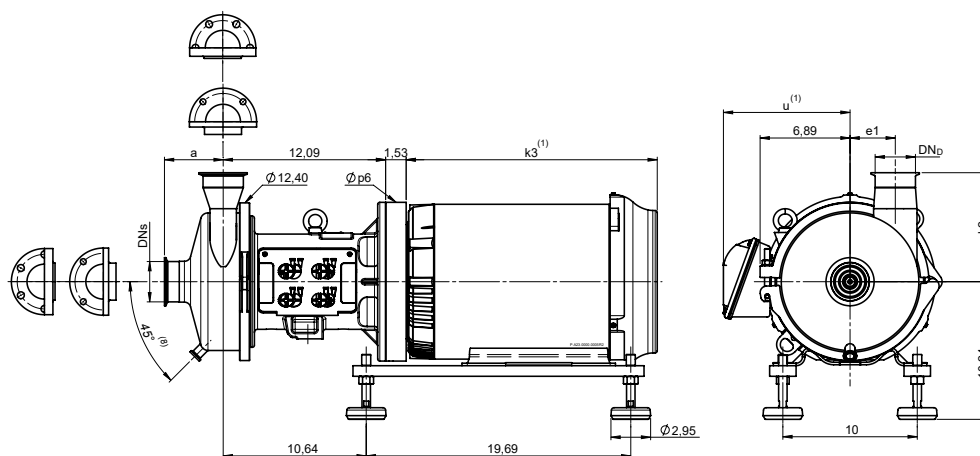
P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	b [inch]	p ₆ [inch]	Weight [lb]
3.0	182TC	15.20	7.60	0.39	11.81	192.68
5.0	184TC	15.20	7.60	0.39	11.81	183.87
7.5	213TC	16.90	9.40	0.91	11.81	236.78
10.0	215TC	18.30	9.40	0.91	11.81	247.14

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.⁽⁸⁾ Option: drain valve (dimensions and other drainage variants on request)
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	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"-4", pressure side 2"-4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m ³ /h (528 US gpm)
Flow rate 60 Hz	Max. 120 m ³ /h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	



2-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	p _e [inch]	Weight [lb]
15.0	254TC	21.30	10.30	11.81	310.85
20.0	256TC	21.30	10.30	11.81	347.23

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

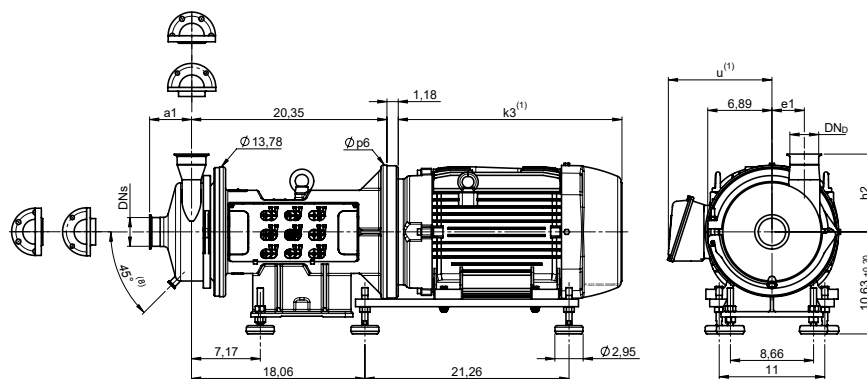
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor.⁽⁶⁾ Option: drain valve (dimensions and other drainage variants on request)

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	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"- 4", pressure side 2"- 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m ³ /h (528 US gpm)
Flow rate 60 Hz	Max. 120 m ³ /h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	



2-pole

P2 [hp]	NEMA- size	$k_3^{(1)}$ [inch]	$u^{(1)}$ [inch]	p [inch]	Weight [lb]
25.0	284TSC	23.30	12.60	13.78	643.75
30.0	286TSC	23.30	12.60	13.78	674.61

Dimensions depend on the casing size (DN , $\bar{D}N$, a_1 , h2, e1). See table of connections.

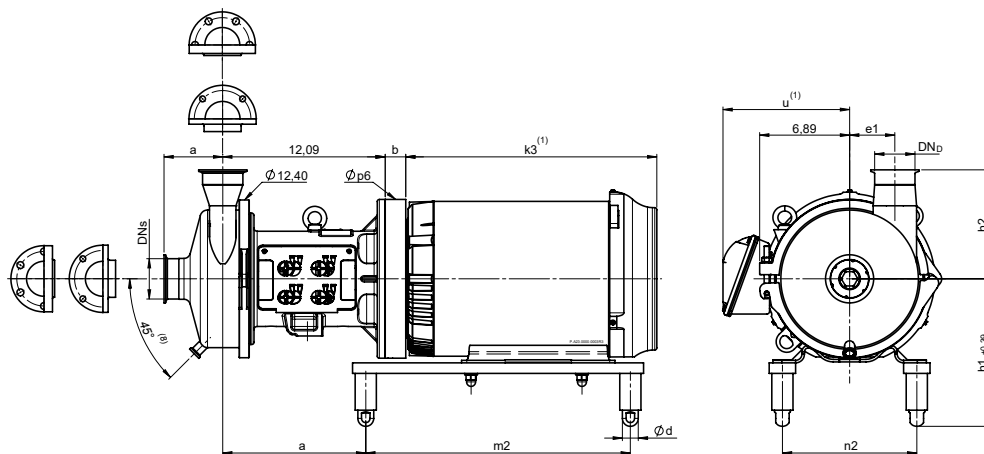
⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The ⁽²⁾ Option: drain valve (dimensions and other drainage variants on request)⁽³⁾ Option: drain valve (dimensions and other drainage variants on request)

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	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"- 4", pressure side 2"- 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m³/h (528 US gpm)
Flow rate 60 Hz	Max. 120 m³/h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	



2-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	b [inch]	p ₆ [inch]	a [inch]	d [inch]	m ₂ [inch]	n ₂ [inch]	h ₁ [inch]	Weight [lb]
5.0	184TC	15.20	7.60	0.39	11.81	11.19	0.87	12.20	7.50	9.84	254.59
7.5	213TC	16.90	9.40	0.91	11.81	8.95	0.87	16.14	8.50	9.84	249.78
10.0	215TC	18.30	9.40	0.91	11.81	8.95	0.87	16.14	8.50	9.84	278.66
15.0	254TC	21.30	10.30	1.54	11.81	10.64	1.18	19.69	10.00	10.98	310.41
20.0	256TC	21.30	10.30	1.54	11.81	10.64	1.18	19.69	10.00	10.98	346.79

4-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	b [inch]	p ₆ [inch]	a [inch]	d [inch]	m ₂ [inch]	n ₂ [inch]	h ₁ [inch]	Weight [lb]
3.0	182TC	15.20	7.60	0.39	11.81	11.19	0.87	12.20	7.50	9.84	193.35
5.0	184TC	15.20	7.60	0.39	11.81	11.19	0.87	12.20	7.50	9.84	184.53
7.5	213TC	16.90	9.40	0.91	11.81	8.95	0.87	16.14	8.50	9.84	237.22
10.0	215TC	18.30	9.40	0.91	11.81	8.95	0.87	16.14	8.50	9.84	247.58

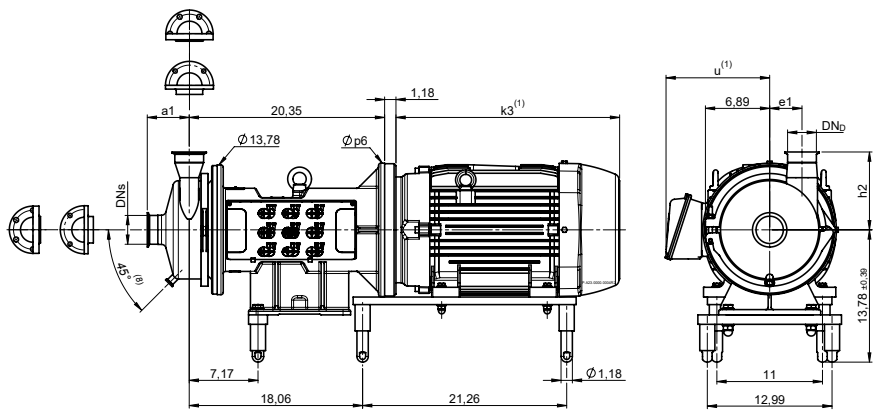
Dimensions depend on the casing size (DN_s, DN_D, a1, h2, e1). See table of connections.

⁽¹⁾ Motor dimensions depend on the motor manufacturer and execution. The shown motor dimensions indicate the size for the standard motor. ⁽⁶⁾ Option: drain valve (dimensions and other drainage variants on request)

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	Clamp DIN 32676 (ASME-BPE, Tri-Clamp)
Nominal width of connections	Suction side 2"- 4", pressure side 2"- 4"
Mechanical seal	Single mechanical seal, material carbon/stainless steel/EPDM (FDA, USP Class VI)
Static seals	EPDM (FDA, USP Class VI)
Motor	Standard motor: NEMA-Motor, 3-phase, 208-230V/460V, C-face with foot, IP 55, ISO-Class F, incl. PTC thermistor, premium efficiency
Documentation	Operating instructions, declaration of conformity
Flow rate 50 Hz	Max. 120 m³/h (528 US gpm)
Flow rate 60 Hz	Max. 120 m³/h (528 US gpm)
Pump head 50 Hz	Max. 72 m (236 ft)
Pump head 60 Hz	Max. 92 m (302 ft)
Housing pressure	16 bar (232 psi)
Certificates	  



2-pole

P2 [hp]	NEMA- size	k ₃ ⁽¹⁾ [inch]	u ⁽¹⁾ [inch]	p _e [inch]	Weight [lb]
25.0	284TSC	23.30	12.60	13.78	654.77
30.0	286TSC	23.30	12.60	13.78	685.64

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 ⁽⁶⁾ Option: drain valve (dimensions and other drainage variants on request)⁽⁹⁾ Option: drain valve (dimensions and other drainage variants on request)
Weight: net-weight without packaging

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