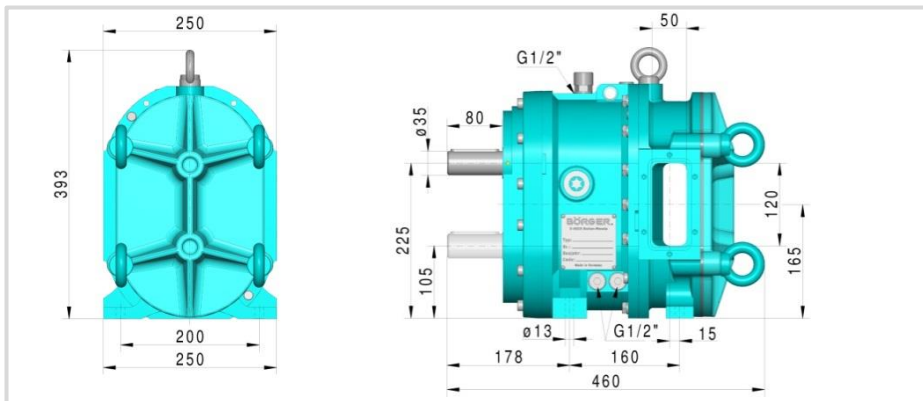
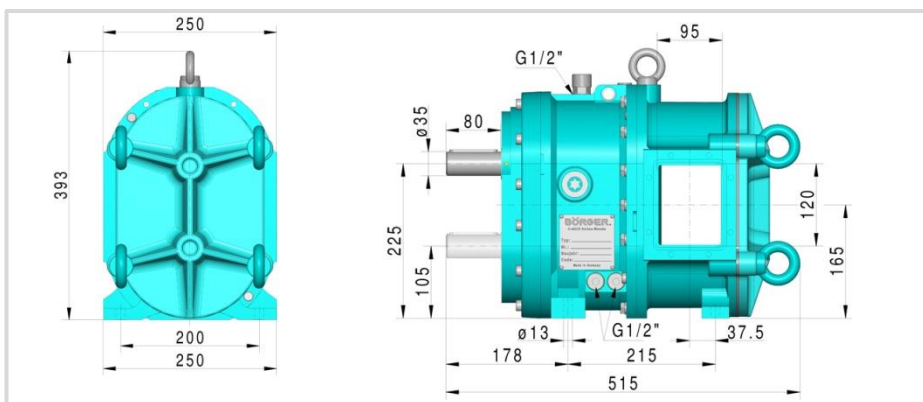




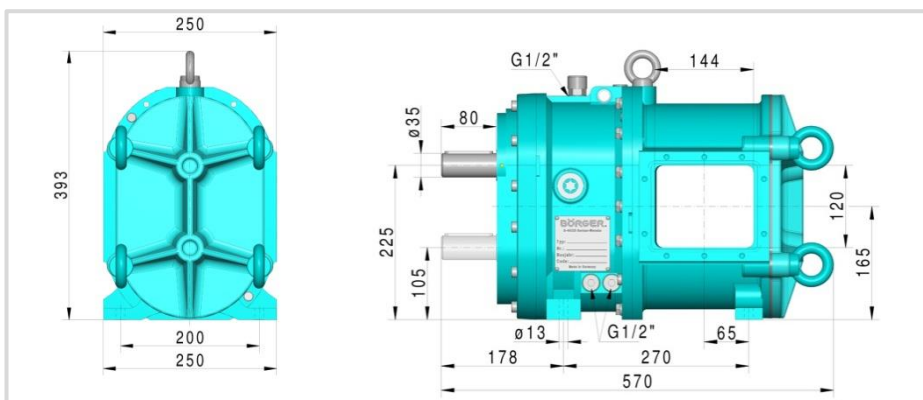
PL 100

Weight: 99 kg
(218 lbs)



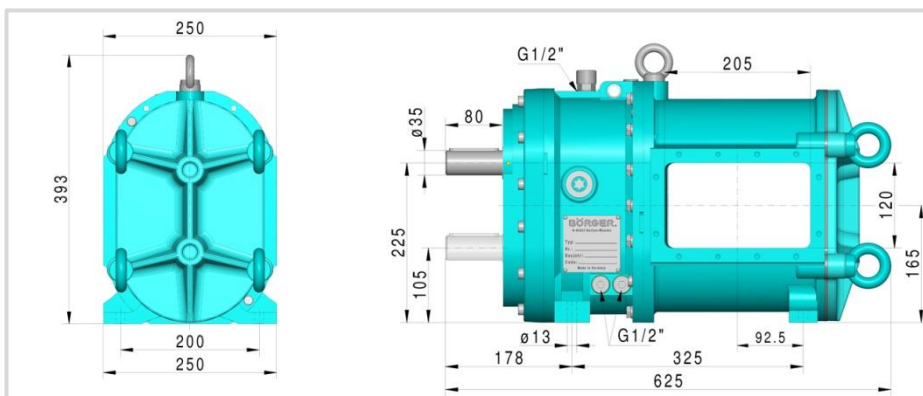
PL 200

Weight: 110 kg
(243 lbs)



PL 300

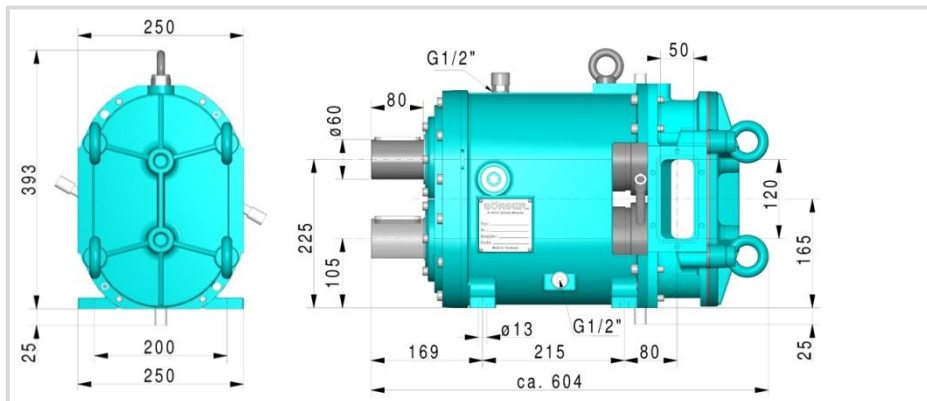
Weight: 119 kg
(262 lbs)



PL 400

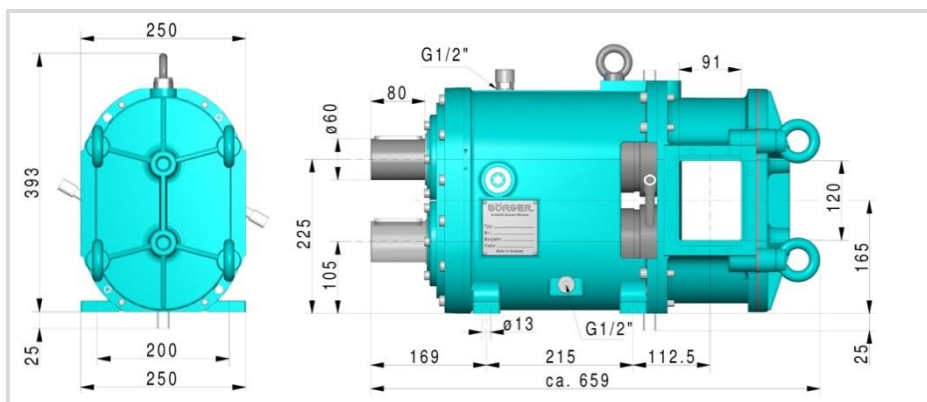
Weight: 132 kg
(291 lbs)

Production-related deviations in individual dimensions within an acceptable tolerance cannot be ruled out.
Requests for dimensions regarding a specific order are welcome.



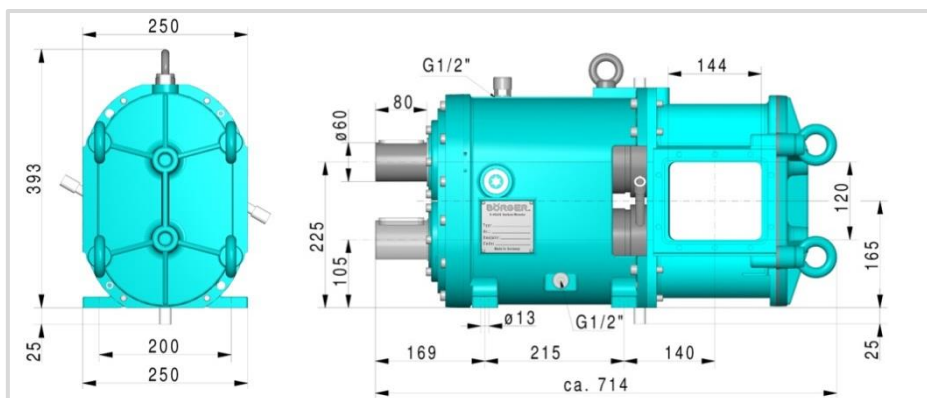
Protect PL 100

Weight: 140 kg
(309 lbs)



Protect PL 200

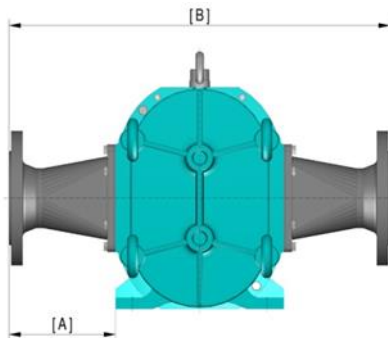
Weight: 151 kg
(333 lbs)



Protect PL 300

Weight: 160 kg
(353 lbs)

Production-related deviations in individual dimensions within an acceptable tolerance cannot be ruled out.
Requests for dimensions regarding a specific order are welcome.

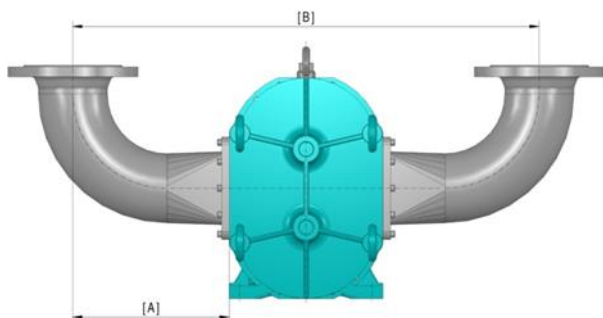


Design 1 | Short, straight pipe connectors with connection flange and O-ring seal, in mm / inches (approx.)

Nominal diameter:	Standard: Dimension:	Size							
		PL 100				PL 200			
		DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME
		A	B	A	B	A	B	A	B
DN 25	mm	93	436	—	—	—	—	—	—
1"	inch	3.66	17.17	—	—	—	—	—	—
DN 32	mm	167	584	—	—	—	—	—	—
1¼"	inch	6.57	22.99	—	—	—	—	—	—
DN 40	mm	160	570	180	610	—	—	—	—
1½"	inch	6.30	22.44	7.09	24.02	—	—	—	—
DN 50	mm	176	602	195	640	156	562	175	600
2"	inch	6.93	23.70	7.68	25.20	6.14	22.13	6.89	23.62
DN 65	mm	141	532	166	582	176	602	201	652
2½"	inch	5.55	20.94	6.54	22.91	6.93	23.70	7.91	25.67
DN 80	mm	146	542	166	582	156	562	175	600
3"	inch	5.75	21.34	6.54	22.91	6.14	22.13	6.89	23.62
DN 100	mm	146	542	170	590	136	522	160	570
4"	inch	5.75	21.34	6.69	23.23	5.35	20.55	6.30	22.44
DN 125	mm	176	602	210	670	151	552	185	620
5"	inch	6.93	23.70	8.27	26.38	5.94	21.73	7.28	24.41
DN 150	mm	176	602	210	670	181	612	215	680
6"	inch	6.93	23.70	8.27	26.38	7.13	24.09	8.46	26.77
DN 200	mm	236	722	276	802	251	752	291	832
8"	inch	9.29	28.43	10.87	31.57	9.88	29.61	11.46	32.76
DN 250	mm	—	—	—	—	251	752	—	—
10"	inch	—	—	—	—	9.88	29.61	—	—

Nominal diameter:	Standard: Dimension:	Size							
		PL 300				PL 400			
		DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME
		A	B	A	B	A	B	A	B
DN 50	mm	—	—	240	730	—	—	—	—
2"	inch	—	—	9.45	28.74	—	—	—	—
DN 65	mm	200	650	225	700	—	—	—	—
2½"	inch	7.87	25.59	8.86	27.56	—	—	—	—
DN 80	mm	236	722	256	762	200	650	—	—
3"	inch	9.29	28.43	10.08	30.00	7.87	25.59	—	—
DN 100	mm	201	652	225	700	221	692	245	740
4"	inch	7.91	25.67	8.86	27.56	8.70	27.24	9.65	29.13
DN 125	mm	161	572	195	640	188	626	222	694
5"	inch	6.34	22.52	7.68	25.20	7.40	24.65	8.74	27.32
DN 150	mm	166	582	200	650	191	632	225	700
6"	inch	6.54	22.91	7.87	25.59	7.52	24.88	8.86	27.56
DN 200	mm	196	642	236	722	221	692	261	772
8"	inch	7.72	25.28	9.29	28.43	8.70	27.24	10.28	30.39
DN 250	mm	295	840	329	908	—	—	—	—
10"	inch	11.61	33.07	12.95	35.75	—	—	—	—

Production-related deviations in individual dimensions within an acceptable tolerance cannot be ruled out. Requests for dimensions regarding a specific order are welcome.

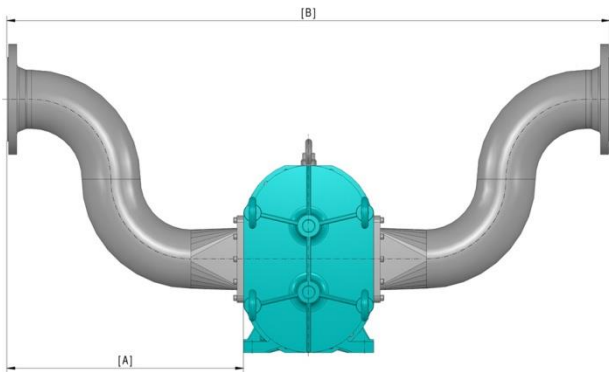


Design 2 | 90° elbow up in mm / inches (approx.)

Nominal diameter:	Standard: Dimension:	Size							
		PL 100				PL 200			
		DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME
DN 40	mm	175	600	175	600	—	—	—	—
1½"	inch	6.89	23.62	6.89	23.62	—	—	—	—
DN 50	mm	207	664	207	664	187	624	187	624
2"	inch	8.15	26.14	8.15	26.14	7.36	24.57	7.36	24.57
DN 65	mm	191	632	191	632	226	702	226	702
2½"	inch	7.52	24.88	7.52	24.88	8.90	27.64	8.90	27.64
DN 80	mm	210	670	210	670	220	690	220	690
3"	inch	8.27	26.38	8.27	26.38	8.66	27.17	8.66	27.17
DN 100	mm	247	744	247	744	237	724	237	724
4"	inch	9.72	29.29	9.72	29.29	9.33	28.50	9.33	28.50
DN 125	mm	311	872	311	872	286	822	286	822
5"	inch	12.24	34.33	12.24	34.33	11.26	32.36	11.26	32.36
DN 150	mm	350	950	350	950	355	960	355	960
6"	inch	13.78	37.40	13.78	37.40	13.98	37.80	13.98	37.80
DN 200	mm	479	1,208	479	1,208	494	1,238	494	1,238
8"	inch	18.86	47.56	18.86	47.56	19.45	48.74	19.45	48.74

Nominal diameter:	Standard: Dimension:	Size							
		PL 300				PL 400			
		DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME
DN 50	mm	—	—	—	—	—	—	—	—
2"	inch	—	—	—	—	—	—	—	—
DN 65	mm	—	—	—	—	—	—	—	—
2½"	inch	—	—	—	—	—	—	—	—
DN 80	mm	300	850	300	850	—	—	—	—
3"	inch	11.81	33.46	11.81	33.46	—	—	—	—
DN 100	mm	302	854	302	854	322	894	322	894
4"	inch	11.89	33.62	11.89	33.62	12.68	35.20	12.68	35.20
DN 125	mm	296	842	296	842	323	896	323	896
5"	inch	11.65	33.15	11.65	33.15	12.72	35.28	12.72	35.28
DN 150	mm	340	930	340	930	365	980	365	980
6"	inch	13.39	36.61	13.39	36.61	14.37	38.58	14.37	38.58
DN 200	mm	439	1128	439	1128	463	1176	463	1176
8"	inch	17.28	44.41	17.28	44.41	18.23	46.30	18.23	46.30

Production-related deviations in individual dimensions within an acceptable tolerance cannot be ruled out.
Requests for dimensions regarding a specific order are welcome.

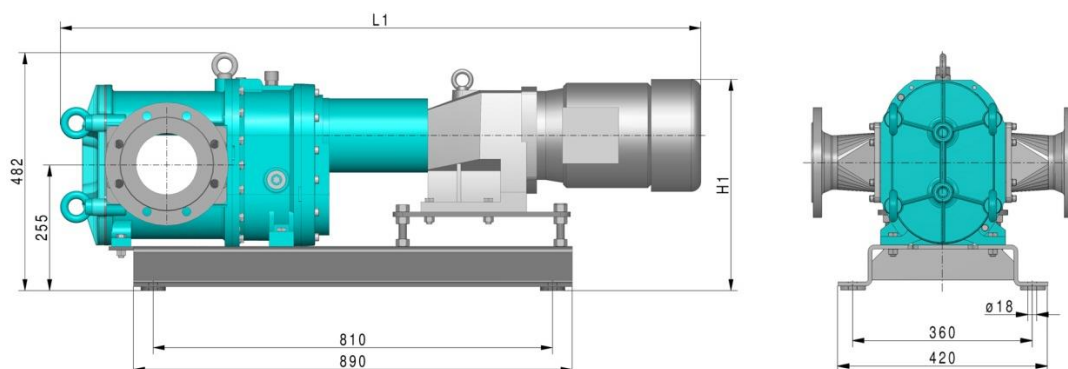


Design 6 | Gooseneck version in mm / inches (approx.)

Nominal diameter:	Standard: Dimension:	Size							
		PL 100				PL 200			
		DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME
DN 40	mm	274	798	294	838	—	—	—	—
1½"	inch	10.79	31.42	11.57	32.99	—	—	—	—
DN 50	mm	328	906	347	944	308	866	327	904
2"	inch	12.91	35.67	13.66	37.17	12.13	34.09	12.87	35.59
DN 65	mm	332	914	357	964	366	982	391	1,032
2½"	inch	13.07	35.98	14.06	37.95	14.41	38.66	15.39	40.63
DN 80	mm	374	998	394	1,038	384	1,018	404	1,058
3"	inch	14.72	39.29	15.51	40.87	15.12	40.08	15.91	41.65
DN 100	mm	452	1,154	476	1,202	442	1,134	466	1,182
4"	inch	17.80	45.43	18.74	47.32	17.40	44.65	18.35	46.54
DN 125	mm	556	1,362	590	1,430	531	1,312	565	1,380
5"	inch	21.89	53.62	23.23	56.30	20.91	51.65	22.24	54.33
DN 150	mm	634	1,518	668	1,586	639	1,528	673	1,596
6"	inch	24.96	59.76	26.30	62.44	25.16	60.16	26.50	62.83
DN 200	mm	846	1,942	886	2,022	861	1,972	901	2,052
8"	inch	33.31	76.46	34.88	79.61	33.90	77.64	35.47	80.79

Nominal diameter:	Standard: Dimension:	Size							
		PL 300				PL 400			
		DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME	DIN/DIN EN	ANSI/ASME
DN 50	mm	—	—	—	—	—	—	—	—
2"	inch	—	—	—	—	—	—	—	—
DN 65	mm	—	—	—	—	—	—	—	—
2½"	inch	—	—	—	—	—	—	—	—
DN 80	mm	464	1,178	484	1,218	—	—	—	—
2½"	inch	18.27	46.38	19.06	47.95	—	—	—	—
DN 100	mm	507	1,264	531	1,312	572	1,304	551	1,352
4"	inch	19.96	49.76	20.91	51.65	22.52	51.34	21.69	53.23
DN 125	mm	541	1,332	575	1,400	568	1,368	602	1,454
5"	inch	21.30	52.44	22.64	55.12	22.36	53.86	23.70	57.24
DN 150	mm	624	1,498	658	1,566	649	1,548	683	1,616
6"	inch	24.57	58.98	25.91	61.65	25.55	60.94	26.89	63.62
DN 200	mm	806	1,862	846	1,942	831	1,912	871	1,992
8"	inch	31.73	73.31	33.31	76.46	32.72	75.28	34.29	78.43

Production-related deviations in individual dimensions within an acceptable tolerance cannot be ruled out.
Requests for dimensions regarding a specific order are welcome.

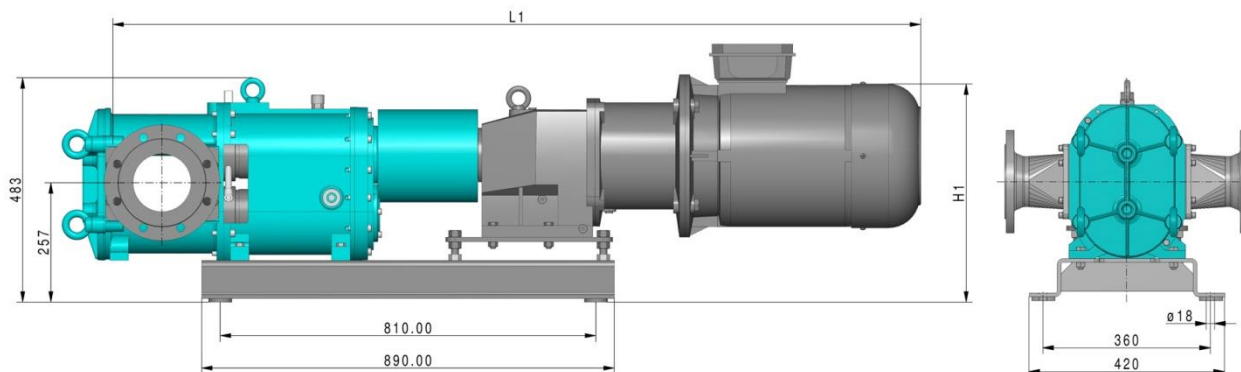


Standard unit in mm / inches (approx.)

Drive [kW]	Size					
	PL 100			PL 200		
	Weight	Dimensions		Weight	Dimensions	
		L1	[kg]		L1	[kg]
1.1 kW	165 kg	1,100 mm	414 mm	—	—	—
1.5 HP	364 lbs	43.31 inch	16.30 inch	—	—	—
2.2 kW	176 kg	1,150 mm	414 mm	190 kg	1,190 mm	414 mm
3 HP	388 lbs	45.28 inch	16.30 inch	419 lbs	46.85 inch	16.30 inch
3 kW	180 kg	1,150 mm	414 mm	194 kg	1,190 mm	414 mm
4 HP	397 lbs	45.28 inch	16.30 inch	428 lbs	46.85 inch	16.30 inch
4 kW	192 kg	1,176 mm	426 mm	206 kg	1,216 mm	426 mm
5 HP	423 lbs	46.30 inch	16.77 inch	454 lbs	47.87 inch	16.77 inch
5.5 kW	213 kg	1,233 mm	453 mm	227 kg	1,273 mm	426 mm
7.5 HP	470 lbs	48.54 inch	17.83 inch	500 lbs	50.12 inch	16.77 inch
7.5 kW	226 kg	1,295 mm	453 mm	240 kg	1,335 mm	453 mm
10 HP	498 lbs	50.98 inch	17.83 inch	529 lbs	52.56 inch	17.83 inch
9.2 kW	242 kg	1,295 mm	453 mm	256 kg	1,335 mm	453 mm
15 HP	534 lbs	50.98 inch	17.83 inch	564 lbs	52.56 inch	17.83 inch
11 kW	281 kg	1,420 mm	453 mm	295 kg	1,460 mm	453 mm
15 HP	619 lbs	55.91 inch	17.83 inch	650 lbs	57.48 inch	17.83 inch
15 kW	344 kg	1,467 mm	481 mm	359 kg	1,507 mm	481 mm
20 HP	758 lbs	57.76 inch	18.94 inch	791 lbs	59.33 inch	18.94 inch

Drive	Size					
	PL 300			PL 400		
	Weight	Dimensions		Weight	Dimensions	
		L1	H1		L1	H1
3 kW	208 kg	1,245 mm	414 mm	228 kg	1,274 mm	415 mm
4 HP	459 lbs	49.02 inch	16.30 inch	503 lbs	50.16 inch	16.34 inch
4 kW	220 kg	1,271 mm	426 mm	240 kg	1,291 mm	426 mm
5 HP	485 lbs	50.04 inch	16.77 inch	529 lbs	50.83 inch	16.77 inch
5.5 kW	241 kg	1,328 mm	426 mm	261 kg	1,348 mm	426 mm
7.5 HP	531 lbs	52.28 inch	16.77 inch	575 lbs	53.07 inch	16.77 inch
7.5 kW	254 kg	1,390 mm	453 mm	274 kg	1,410 mm	453 mm
10 HP	560 lbs	54.72 inch	17.83 inch	604 lbs	55.51 inch	17.83 inch
9.2 kW	270 kg	1,390 mm	453 mm	290 kg	1,410 mm	453 mm
15 HP	595 lbs	54.72 inch	17.83 inch	639 lbs	55.51 inch	17.83 inch
11 kW	309 kg	1,515 mm	453 mm	329 kg	1,535 mm	453 mm
15 HP	681 lbs	59.65 inch	17.83 inch	725 lbs	60.43 inch	17.83 inch
15 kW	372 kg	1,562 mm	481 mm	392 kg	1,582 mm	481 mm
20 HP	820 lbs	61.50 inch	18.94 inch	864 lbs	62.28 inch	18.94 inch

Production-related deviations in individual dimensions within an acceptable tolerance cannot be ruled out.
Requests for dimensions regarding a specific order are welcome.



Standard unit in mm / inches (approx.)

Drive	Size								
	Protect PL 100			Protect PL 200			Protect PL 300		
	Weight	Dimensions		Weight	Dimensions		Weight	Dimensions	
		L1	H1		L1	H1		L1	H1
1.1 kW	206 kg	1236 mm	414 mm	—	—	—	—	—	—
1.5 HP	454 lbs	48.66 inch	16.30 inch	—	—	—	—	—	—
2.2 kW	217 kg	1286 mm	414 mm	231 kg	1381 mm	414 mm	—	—	—
3 HP	478 lbs	50.63 inch	16.30 inch	509 lbs	54.37 inch	16.30 inch	—	—	—
3 kW	221 kg	1286 mm	414 mm	235 kg	1381 mm	414 mm	249 kg	1491 mm	414 mm
4 HP	487 lbs	50.63 inch	16.30 inch	518 lbs	54.37 inch	16.30 inch	549 lbs	58.70 inch	16.30 inch
4 kW	233 kg	1312 mm	426 mm	247 kg	1407 mm	426 mm	261 kg	1517 mm	426 mm
5 HP	514 lbs	51.65 inch	16.77 inch	545 lbs	55.39 inch	16.77 inch	575 lbs	59.72 inch	16.77 inch
5.5 kW	254 kg	1369 mm	453 mm	268 kg	1464 mm	426 mm	282 kg	1574 mm	426 mm
7.5 HP	560 lbs	53.90 inch	17.83 inch	591 lbs	57.64 inch	16.77 inch	622 lbs	61.97 inch	16.77 inch
7.5 kW	267 kg	1431 mm	453 mm	281 kg	1526 mm	453 mm	295 kg	1636 mm	453 mm
10 HP	589 lbs	56.34 inch	17.83 inch	619 lbs	60.08 inch	17.83 inch	650 lbs	64.41 inch	17.83 inch
9.2 kW	283 kg	1431 mm	453 mm	297 kg	1526 mm	453 mm	311 kg	1636 mm	453 mm
15 HP	624 lbs	56.34 inch	17.83 inch	655 lbs	60.08 inch	17.83 inch	686 lbs	64.41 inch	17.83 inch
11 kW	322 kg	1556 mm	453 mm	336 kg	1651 mm	453 mm	350 kg	1761 mm	453 mm
15 HP	710 lbs	61.26 inch	17.83 inch	741 lbs	65.00 inch	17.83 inch	772 lbs	69.33 inch	17.83 inch
15 kW	385 kg	1603 mm	481 mm	400 kg	1698 mm	481 mm	413 kg	1808 mm	481 mm
20 HP	849 lbs	63.11 inch	18.94 inch	882 lbs	66.85 inch	18.94 inch	911 lbs	71.18 inch	18.94 inch

Production-related deviations in individual dimensions within an acceptable tolerance cannot be ruled out.
Requests for dimensions regarding a specific order are welcome.