

High-pressure pumps

Series HP55



General

Description

Vertical, multistage high-pressure pump in sectional construction with opposed suction and discharge branch of same nominal width (in-line-execution).

Pumping media

Clean, fluid pumping media without abrasive, solid or long-fibre constituents. The pump materials may not be attacked chemically or mechanically.

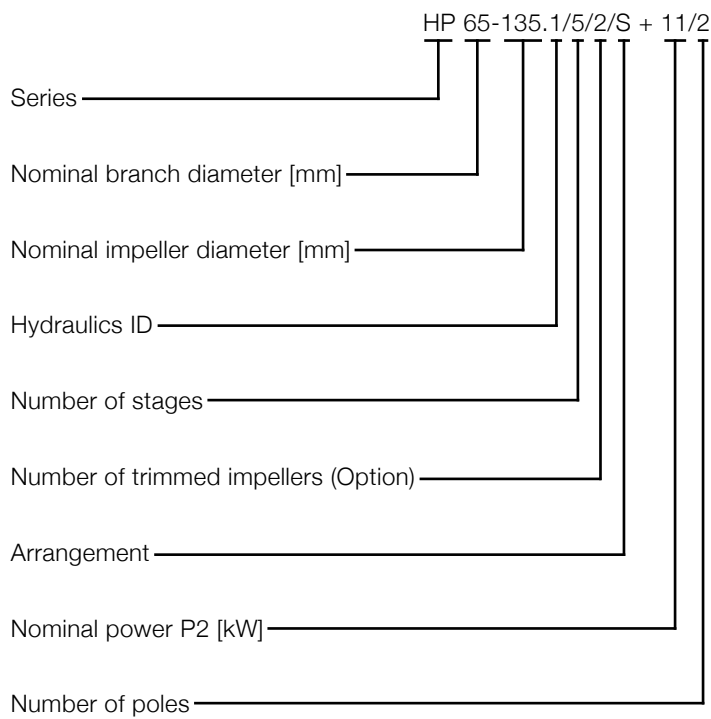
Application range

- Water procurement
 - from surface water
- Water treatment
 - industrial circuits
 - process technology
 - potable water
- Water supply
 - industrial/domestic
 - boiler feeding/condensation delivery
 - irrigation
 - booster
- Water raising
 - industrial/domestic
 - drainage

Operating range

Nominal branch diameter DN	25-100
Capacity Q	up to 140 m ³ /h
Head H	up to 320 m
Operating pressure p	up to 32 bar
Liquid temperature t	-10°C up to +120°C
Speed n	up to 3600 rpm

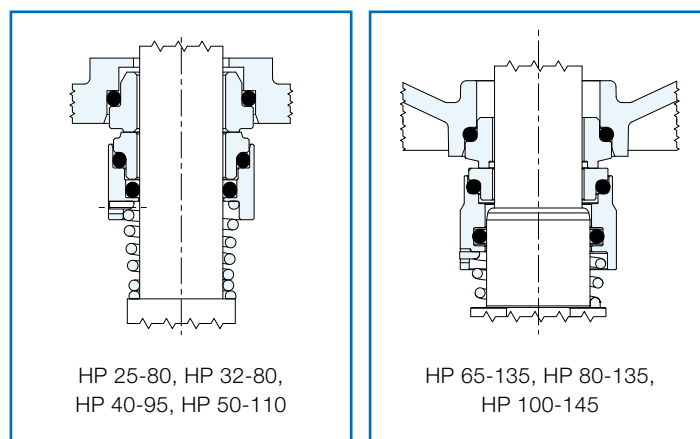
Designation



Example

Shaft sealing

The pump is equipped with a maintenance-free mechanical seal. Standard material is silicon carbide/silicon carbide EPDM. Other mating of material is available upon request.



Connections

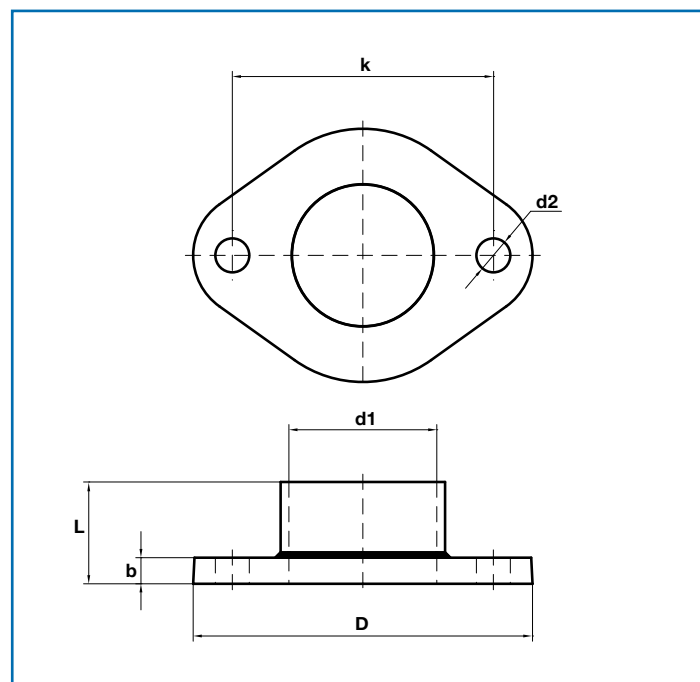
Type	No. of stages				Flange		Connection
	50 Hz		60 Hz		Oval	Round	
	from	to	from	to			
HP 25-80.1	2	23	2	15	■		Rp 1 1/4"
	2	37	2	25		■	DN25
HP 25-80.2	2	21	2	14	■		Rp 1 1/4"
	2	33	2	23		■	DN25
HP 32-80.1	2	21	2	14	■		Rp 1 1/4"
	2	33	2	23		■	DN32
HP 40-95.1	2	15	2	10	■		Rp 1 1/2"
	2	24	2	17		■	DN40
HP 50-110.1	1	10	1	7	■		Rp 2"
	1	17	1	12		■	DN50
HP 50-110.2	1	10	1	7	■		Rp 2"
	1	17	1	10		■	DN50
HP 65-135.1	1	13	1	8		■	DN65
HP 80-135.1	1	13	1	7		■	DN80
HP 100-145.1	1	8	1	5		■	DN100
HP 100-145.2	1	6	1	4		■	DN100

Maximum permissible pump end pressure

Type	Max. permissible pump end pressure in bar	
	Oval flange	Round flange
HP 25-80.1	16	26
HP 25-80.2	16	26
HP 32-80.1	16	26
HP 40-95.1	16	26
HP 50-110.1	16	26
HP 50-110.2	16	26
HP 65-135.1	-	16/32
HP 80-135.1	-	16/32
HP 100-145.1	-	16/25
HP 100-145.2	-	16/25

Pump end pressure = suction pressure + pump delivery head at zero capacity.

Oval counter flanges



DN	Dimensions (mm)					Holes		PN
	D	d1	k	L	b	d2	N°	
32	99	Rp 1 1/4"	75	33	8	11	2	16
40	130	Rp 1 1/2"	100	35	10	13		
50		Rp 2"		39				

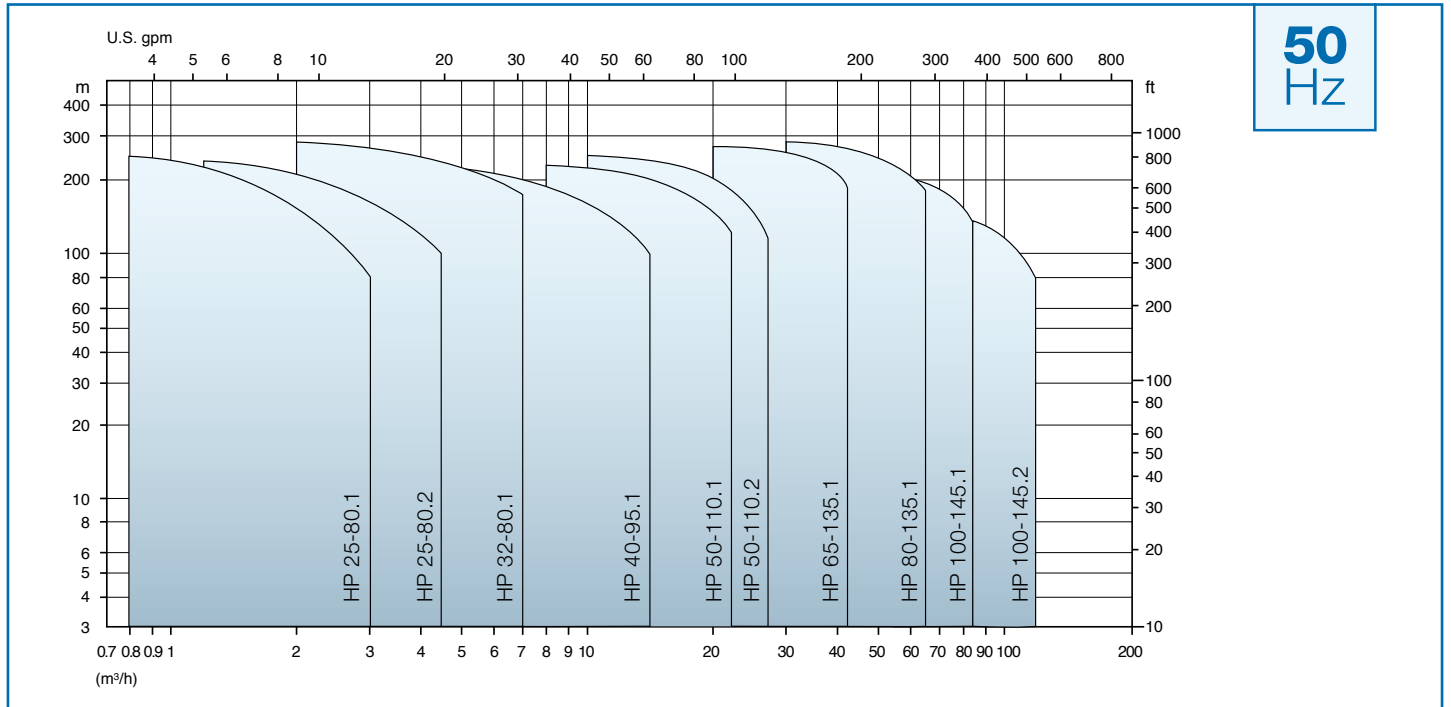
Kit round counterflanges available on request; AISI 304

Selection chart

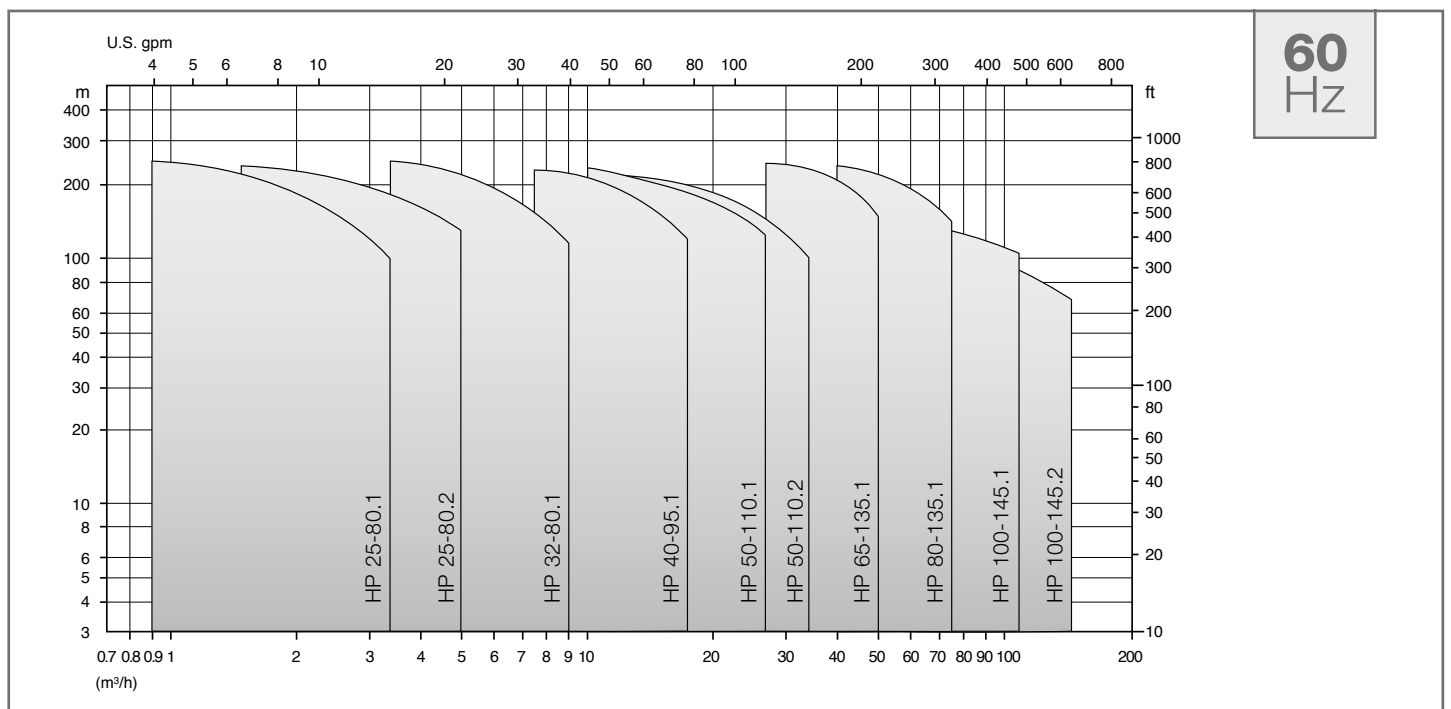
This chart allows a provisional selection of the pump type most suitable for a given set of operating conditions. In certain cases it may be possible to use the next smaller pump type and this

possibility should be included in the final selection. For an exact pump selection our individual characteristic curves as well as our pump selection software WinPump are available.

Speed 2900 rpm



Speed 3500 rpm



Motors

Frequency 50 Hz

Features

- Standard voltage up to 3kW 230/400V, 400/690V from 4kW and above
- Temperature class F
- Enclosure IP55
- Max. ambient temperature 40°C
- Design B14 up to 4kW, design B5 from 5,5kW and above
- Motors from 18,5kW are equipped with thermistors (PTC)
- Multi-mount construction for an easy change of terminal box position
- Terminal box rotates by 90° to allow cable entry from any direction
- Easy-to-change flanges with over-sized and smaller-sized dimensions
- Motors conforming to the higher efficiency standards for Europe, North America and Australia

Power kW	Class	Size	Design	I _N [A]				I _A /I _N	Speed [rpm]	η [%]	cos φ	M _N [Nm]	M _A /M _N	Weight [kg]
				Δ 230V	Y 400V	Δ 400V	Y 690V							
0,37	IE2	71	B14	1,7	1,0	-	-	4,7	2820	70,0	0,78	1,3	3,6	5,8
0,55	IE2	71	B14	2,6	1,5	-	-	4,8	2830	71,0	0,77	1,9	3,2	6,2
0,75	IE3	80	B14	2,9	1,7	-	-	8,9	2910	82,0	0,78	2,5	4,7	9,5
1,1	IE3	80	B14	4,2	2,4	-	-	9,3	2870	82,7	0,76	3,7	5,0	11,1
1,5	IE3	90	B14	5,2	3,0	-	-	8,4	2875	84,2	0,85	5,0	3,6	14,0
2,2	IE3	90	B14	8,0	4,6	-	-	9,2	2880	86,5	0,82	7,3	4,0	16,0
3	IE3	100	B14	9,7	5,6	-	-	8,8	2900	87,1	0,89	9,9	5,5	22,8
4	IE3	112	B14	-	-	8,0	4,6	10,7	2900	88,1	0,83	13,0	5,1	26,5
5,5	IE3	132	B5	-	-	10,2	5,9	11,2	2935	89,2	0,87	17,9	4,2	33,6
7,5	IE3	132	B5	-	-	14,4	8,3	10,4	2930	90,1	0,84	24,5	4,5	36
11	IE3	160	B5	-	-	19,9	11,5	9,7	2935	91,2	0,89	35,8	4,4	62
15	IE3	160	B5	-	-	26,8	15,5	9,6	2915	91,9	0,88	49,2	3,7	68
18,5	IE3	160	B5	-	-	33,0	19,1	10,7	2950	92,4	0,88	59,9	4,6	104
22	IE3	180	B5	-	-	39,4	22,8	10,4	2950	92,7	0,87	71,3	4,5	106
30	IE3	200	B5	-	-	52,7	30,5	6,7	2925	93,3	0,88	97,9	2,4	276
37	IE3	200	B5	-	-	63,3	36,6	6,3	2930	93,7	0,90	120,6	2,3	283
45	IE3	225	B5	-	-	78,5	45,4	6,9	2930	94,0	0,88	146,7	2,3	370

Noise levels

The noise values listed below refer to 50Hz at rated voltage with a tolerance of up to + 3 dB(A). For 60Hz supply values are 3-5 dB(A) higher. Sound pressure level L_{pA} and sound power level L_{WA} for three-phase single-speed motors with dimensions and output ratings to IEC 60072.

Frame size	2 pole	
	L _{WA}	L _{pA}
56	57	48
63	58	49
71	61	52
80	72	60
90	74	62
100	78	66
112	80	68
132	81	72
160	87	74
180	90	77
200	91	78
225	92	80

Motors

Frequency 60 Hz

Features

- Standard voltage 220/380V
- Temperature class F
- Enclosure IP55
- Max. ambient temperature 40°C
- Design B14 up to 4kW, design B5 from 5,5kW and above
- Motors from 18,5kW are equipped with thermistors (PTC)
- Multi-mount construction for an easy change of terminal box position
- Terminal box rotates by 90° to allow cable entry from any direction
- Easy-to-change flanges with over-sized and smaller-sized dimensions
- Motors conforming to the higher efficiency standards for Europe, North America and Australia

Power kW	Class	Size	Design	I _N [A]		I _A /I _N	Speed [rpm]	η [%]	cos φ	M _N [Nm]	M _A /M _N	Weight [kg]
				Δ 220V	Y 380V							
0,37	IE2	71	B14	1,8	1,0	4,2	3400	72,0	0,75	1,1	2,3	5,8
0,55	IE2	71	B14	3,0	1,7	4,6	3450	73,0	0,77	1,5	2,5	6,2
0,75	IE3	80	B14	3,3	1,9	8,9	3500	77,0	0,78	2,1	4,7	9,5
1,1	IE3	80	B14	4,7	2,7	9,3	3480	84,0	0,78	3,0	5,0	11,1
1,5	IE3	90	B14	5,9	3,4	8,4	3515	85,5	0,80	4,1	3,6	14,0
2,2	IE3	90	B14	8,0	4,6	9,2	3480	86,5	0,84	6,0	4,0	16,0
3	IE3	100	B14	10,4	6,0	8,8	3515	88,1	0,88	8,2	5,5	22,8
4	IE3	112	B14	13,2	7,6	10,9	3520	89,0	0,89	10,9	6,1	26,5
5,5	IE3	132	B5	18,2	10,5	9,6	3510	89,5	0,89	15,0	3,6	27,4
7,5	IE3	132	B5	25,1	14,5	10,4	3520	90,2	0,87	20,3	4,5	36
11	IE3	160	B5	34,3	19,8	9,7	3520	91,0	0,92	29,8	4,4	59
15	IE3	160	B5	46,4	26,8	9,6	3520	91,0	0,92	40,7	3,7	68
18,5	IE3	160	B5	62,0	35,6	10,7	3540	91,7	0,86	49,9	4,6	104
22	IE3	180	B5	71,7	41,7	10,4	3530	91,7	0,88	59,5	4,5	104
30	IE3	200	B5	94,0	54,0	9,0	3565	94,1	0,90	80,8	2,8	239
37	IE3	200	B5	114,0	66,0	8,5	3560	93,9	0,91	99,0	2,6	249
45	IE3	225	B5	137,0	79,0	7,8	3570	95,0	0,91	120,0	2,5	322

Noise levels

The noise values listed below refer to 50Hz at rated voltage with a tolerance of up to + 3 dB(A). For 60Hz supply values are 3-5 dB(A) higher. Sound pressure level L_{pA} and sound power level L_{WA} for three-phase single-speed motors with dimensions and output ratings to IEC 60072.

Frame size	2 pole	
	L _{WA}	L _{pA}
56	57	48
63	58	49
71	61	52
80	72	60
90	74	62
100	78	66
112	80	68
132	81	72
160	87	74
180	90	77
200	91	78
225	92	80

Materials

HP 25-80, HP 32-80, HP 40-95

The standard materials of construction for the main pump components are shown below together with details of alternative materials available. We reserve the right to change material specification without notice.

Pos.	Description	Material	Material combination			
			AISI 304		AISI 316	
			ASTM/AISI	DIN / EN	ASTM/AISI	DIN / EN
10.00	Pump casing	Stainless Steel	CF 8 / AISI 304	1.4308	CF 8M / AISI 316	1.4408
10.02	Filling and draining plug	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
10.06	Upper flange	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
20.00	Outer Case	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
20.01	Mechanical seal housing	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
20.05	Filling plugs	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
30.00	Pump shaft	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
30.01	Kit Mechanical seal	SIC/SIC, EPDM, Stainless Steel	-	-	-	-
30.02	Mechanical seal fastening kit	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
30.03	Kit O-rings	EPDM	-	-	-	-
40.00	Stage housing and diffuser	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.01	Stage Centering outlet	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.02	Floating neck ring	PPS	-	-	-	-
40.03	Initial stage housing	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.04	Last Stage with diffuser	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.05	Stage Centering inlet	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.06	Stage housing and diffuser with bearing	Stainless Steel / Tungsten Carbide	AISI 304	1.4301	AISI 316	1.4401
50.00	Impeller	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
50.01	Impeller spacer	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
50.02	Intermediary sleeve	Tungsten Carbide	-	-	-	-
50.03	Intermediary sleeve spacer	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401

Materials

HP 50-110

The standard materials of construction for the main pump components are shown below together with details of alternative materials available. We reserve the right to change material specification without notice.

Pos.	Description	Material	Material combination			
			AISI 304		AISI 316	
			ASTM/AISI	DIN / EN	ASTM/AISI	DIN / EN
10.00	Pump casing	Stainless Steel	CF 8 / AISI 304	1.4301	CF 8M / AISI 316	1.4408
10.02	Filling and draining plug	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
10.06	Upper Flange	Stainless Steel	AISI 304	1.4301	CF 8M / AISI 316	1.4408
20.00	Outer Case	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
20.01	Mechanical seal housing	Stainless Steel	AISI 304	1.4301	CF 8M / AISI 316	1.4408 / 1.4401
20.05	Filling plugs	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
30.00	Pump shaft	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
30.01	Kit Mechanical seal	SIC/SIC, EPDM, Stainless Steel	-	-	-	-
30.02	Mechanical seal fastening kit	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
30.03	Kit O-rings	EPDM	-	-	-	-
40.00	Stage housing and diffuser	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.01	Stage Centering outlet	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.02	Floating neck ring	PPS	-	-	-	-
40.03	Initial stage housing	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.04	Last Stage with diffuser	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.06	Stage housing and diffuser with bearing	Stainless Steel / Tungsten carbide	AISI 304	1.4301	AISI 316	1.4401
50.00	Impeller	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
50.01	Impeller spacer	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
50.02	Intermediary sleeve	Tungsten Carbide	-	-	-	-
50.03	Intermediary sleeve spacer	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401

Materials

HP 65-135, HP 80-135

The standard materials of construction for the main pump components are shown below together with details of alternative materials available. We reserve the right to change material specification without notice.

Pos.	Description	Material	Material combination			
			AISI 304		AISI 316	
			ASTM/AISI	DIN / EN	ASTM/AISI	DIN / EN
10.00	Pump casing	Cast Iron / Stainless Steel	A48 Class 35	GJL-250	CF 8M / AISI 316	1.4408
10.02	Draining plug	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
10.06	Upper Flange	Stainless Steel	CF 8 / AISI 304	1.4308	CF 8M / AISI 316	1.4408
20.00	Outer Case	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
20.01	Mechanical seal housing	Stainless Steel	CF 8 / AISI 304	1.4308	CF 8M / AISI 316	1.4408
20.05	Filling plugs	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
30.00	Pump shaft	Stainless Steel	AISI 431	1.4057	AISI 329	1.4460
30.01	Kit Mechanical seal	SIC/SIC, EPDM, Stainless Steel	-	-	-	-
30.02	Mechanical seal fastening kit	Stainless Steel	AISI 316	1.4401	AISI 316	1.4401
30.03	Kit O-rings	EPDM	-	-	-	-
40.00	Stage housing and diffuser	Stainless Steel / Graphite	AISI 304	1.4301	AISI 316	1.4401
40.02	Floating neck ring	PTFE	-	-	-	-
40.05	Stage Centering inlet	Stainless Steel	AISI 316	1.4401	AISI 316	1.4401
40.06	Stage housing and diffuser with bearing	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.07	Flange clamping neck ring	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.08	Spring ring	Stainless Steel	AISI 316	1.4401	AISI 316	1.4401
50.00	Impeller	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
51.01	Split cone	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
51.02	Intermediary sleeve nut	Stainless Steel / Tungsten Carbide	AISI 316	1.4401	AISI 316	1.4401
51.03	Journal sleeve	Stainless Steel / Tungsten Carbide	AISI 316	1.4401	AISI 316	1.4401
51.04	Split cone nut	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
51.05	Intermediate impeller with screw	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401

Materials

HP 100-145

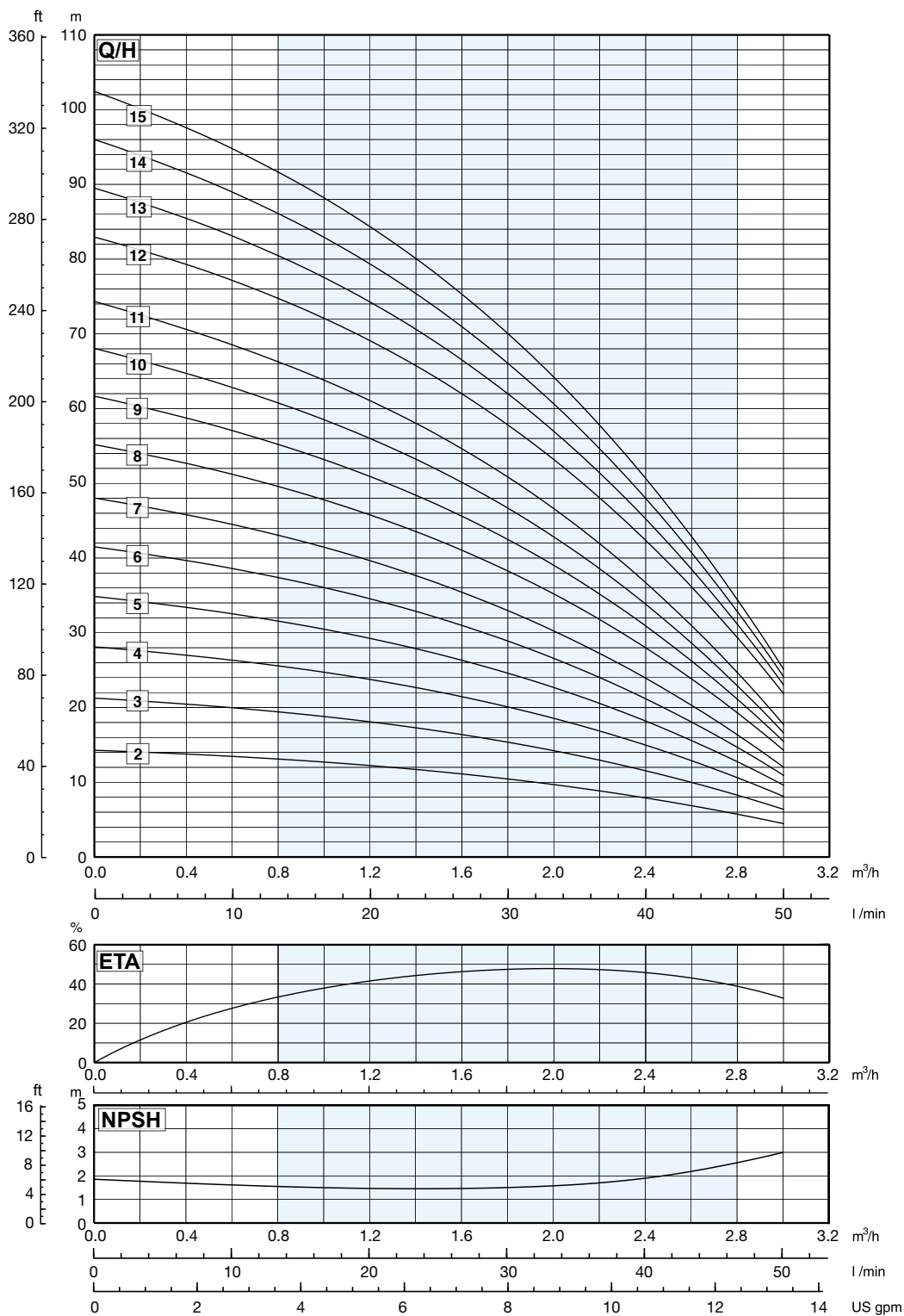
The standard materials of construction for the main pump components are shown below together with details of alternative materials available. We reserve the right to change material specification without notice.

Pos.	Description	Material	Material combination			
			AISI 304		AISI 316	
			ASTM/AISI	DIN / EN	ASTM/AISI	DIN / EN
10.00	Pump casing	Cast Iron / Stainless Steel	A48 Class 35	GJL-250	CF 8M / AISI 316	1.4408
10.02	Draining plug	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
10.06	Upper Flange	Stainless Steel	CF 8 / AISI 304	1.4308	CF 8M / AISI 316	1.4408
20.00	Outer Case	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
20.01	Mechanical seal housing	Stainless Steel	CF 8 / AISI 304	1.4308	CF 8M / AISI 316	1.4408
20.05	Filling plugs	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
30.00	Pump shaft	Stainless Steel	AISI 431	1.4057	AISI 329	1.4460
30.01	Kit Mechanical seal	SIC/SIC, EPDM, Stainless Steel	-	-	-	-
30.02	Mechanical seal fastening kit	Stainless Steel	AISI 316	1.4401	AISI 316	1.4401
30.03	Kit O-rings	EPDM	-	-	-	-
40.00	Stage housing and diffuser	Stainless Steel / Graphite	AISI 304	1.4301	AISI 316	1.4401
40.01	Stage Centering outlet	Stainless Steel	CF 8 / AISI 304	1.4308	CF 8M / AISI 316	1.4408
40.02	Floating neck ring	PTFE	-	-	-	-
40.05	Stage Centering inlet	Stainless Steel	AISI 316	1.4401	AISI 316	1.4401
40.06	Stage housing and diffuser with bearing	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.07	Flange clamping neck ring	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
40.08	Spring ring	Stainless Steel	AISI 316	1.4401	AISI 316	1.4401
50.00	Impeller	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
51.01	Split cone	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
51.02	Intermediary sleeve nut	Stainless Steel / Tungsten Carbide	AISI 316	1.4401	AISI 316	1.4401
51.03	Journal sleeve	Stainless Steel / Tungsten Carbide	AISI 316	1.4401	AISI 316	1.4401
51.04	Split cone nut	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401
51.05	Intermediate impeller with screw	Stainless Steel	AISI 304	1.4301	AISI 316	1.4401

Performance curve

Type HP 25-80.1

Speed 2900 rpm

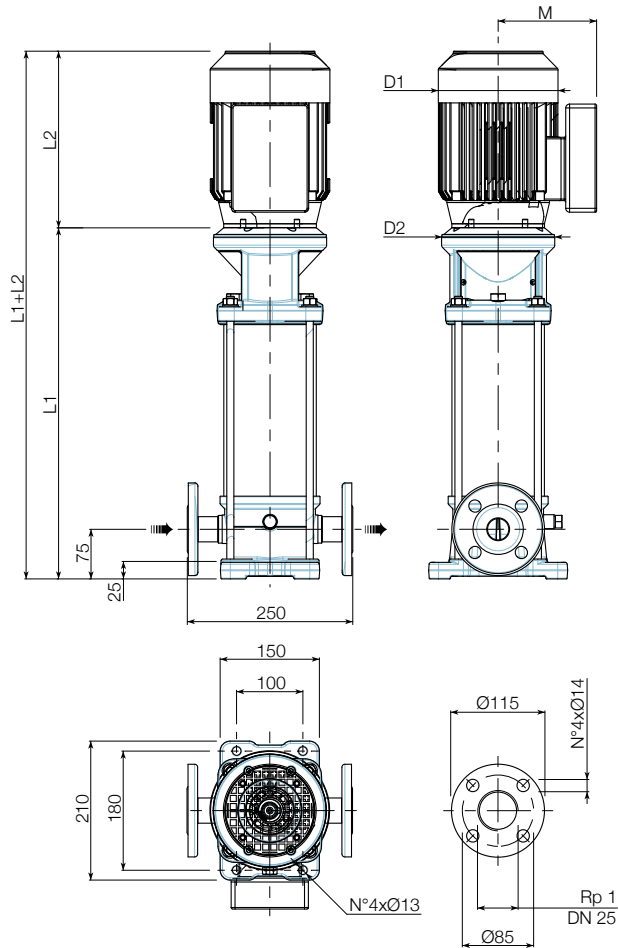


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 25-80.1



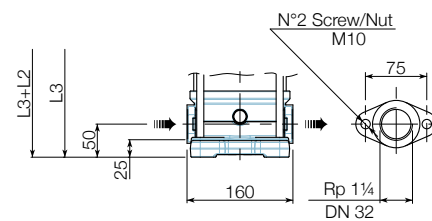
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 23 stages

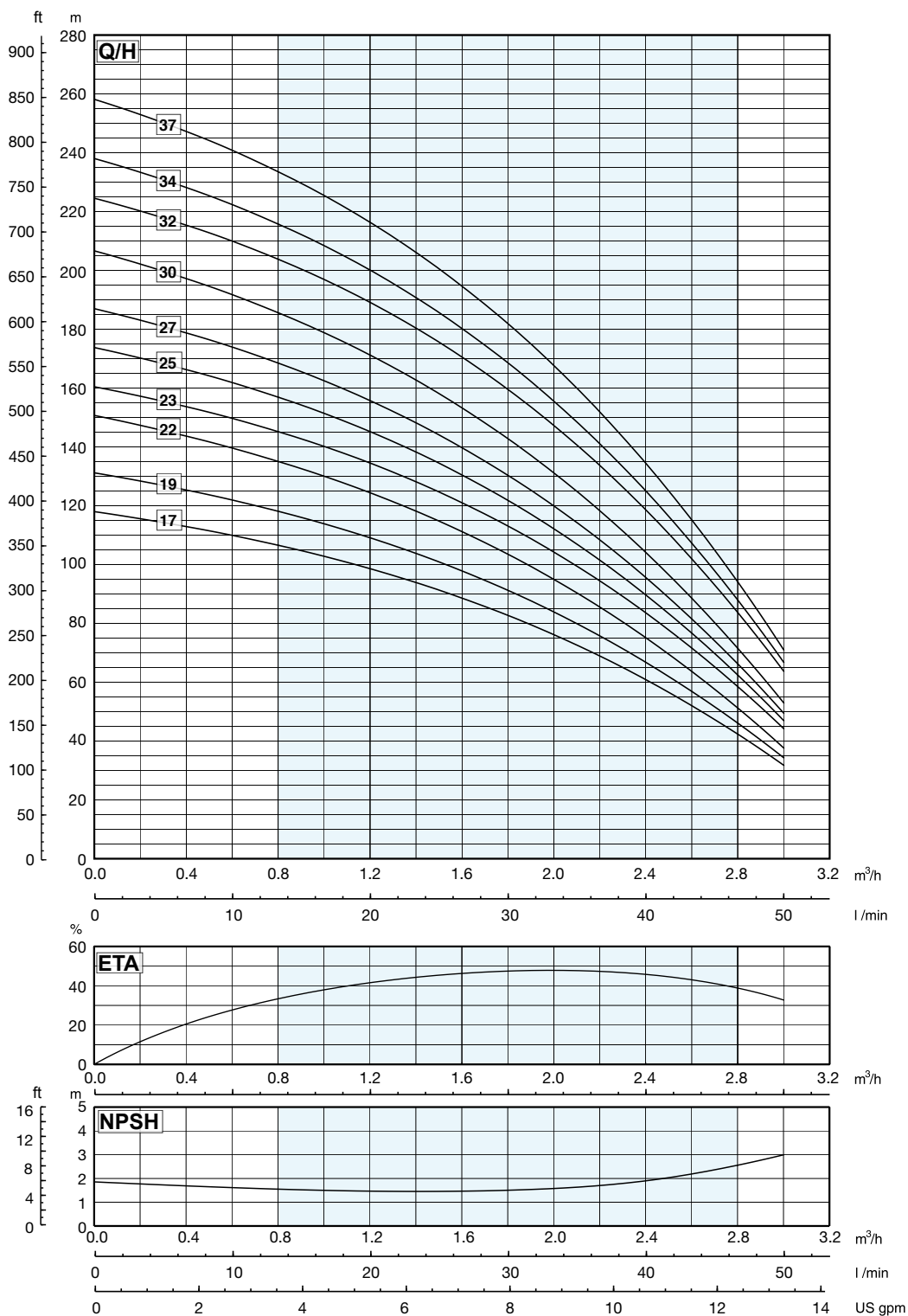


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 25-80.1/2	0,37	71	312,5	527,5	287,5	502,5	215	142	170	112	15	20,8
HP 25-80.1/3	0,37	71	335	550	310	525	215	142	170	112	15	20,8
HP 25-80.1/4	0,37	71	357,5	572,5	332,5	547,5	215	142	170	112	15,5	21,3
HP 25-80.1/5	0,37	71	380	595	355	570	215	142	170	112	16	21,8
HP 25-80.1/6	0,37	71	402,5	617,5	377,5	592,5	215	142	170	112	16,5	22,3
HP 25-80.1/7	0,37	71	425	640	400	615	215	142	170	112	17	22,8
HP 25-80.1/8	0,55	71	447,5	662,5	422,5	637,5	215	142	170	112	17,5	23,7
HP 25-80.1/9	0,55	71	470	685	445	660	215	142	170	112	18	24,2
HP 25-80.1/10	0,55	71	492,5	707,5	467,5	682,5	215	142	170	112	18,5	24,7
HP 25-80.1/11	0,55	71	515	730	490	705	215	142	170	112	19	25,2
HP 25-80.1/12	0,75	80	537,5	769,5	512,5	744,5	232	160	170	129	19,5	29
HP 25-80.1/13	0,75	80	560	792	535	767	232	160	170	129	20	29,5
HP 25-80.1/14	0,75	80	582,5	814,5	557,5	789,5	232	160	170	129	20,5	30
HP 25-80.1/15	0,75	80	605	837	580	812	232	160	170	129	21	30,5

Performance curve

Type HP 25-80.1

Speed 2900 rpm

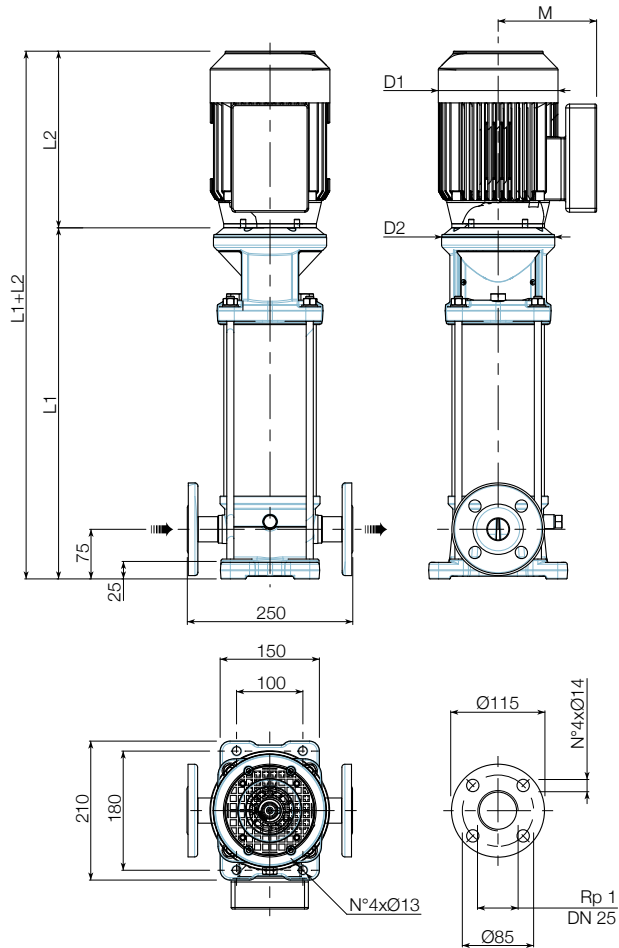


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 25-80.1



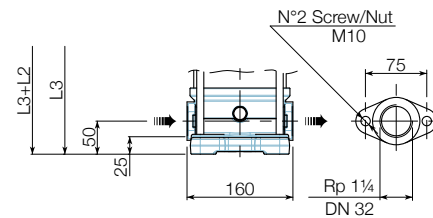
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from 2 to 23 stages

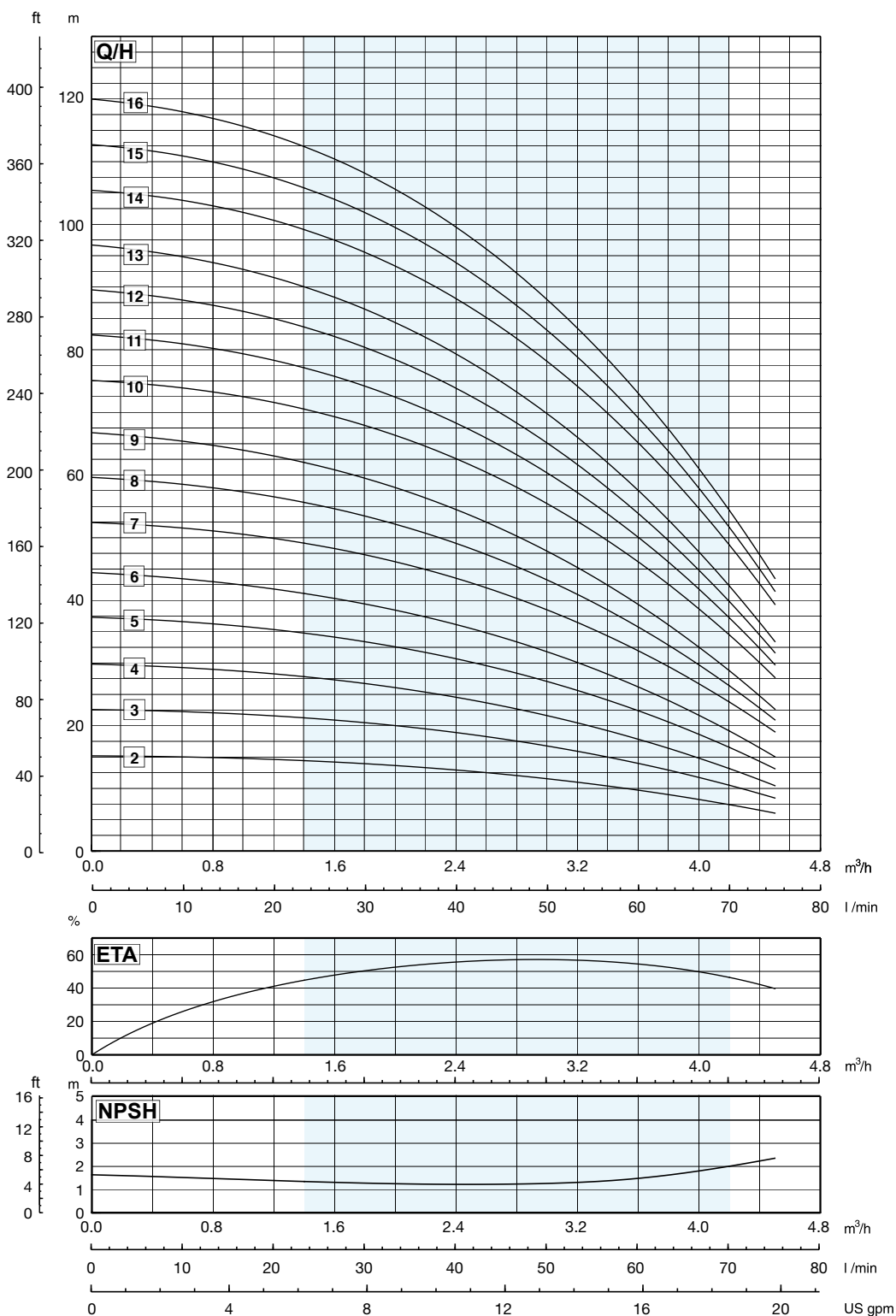


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 25-80.1/17	1,1	80	650	882	625	857	232	160	170	129	22	33,1
HP 25-80.1/19	1,1	80	695	927	670	902	232	160	170	129	22,5	33,6
HP 25-80.1/22	1,1	80	762,5	994,5	737,5	969,5	232	160	170	129	24	35,1
HP 25-80.1/23	1,5	90	795	1062	770	1037	267	180	170	138	25	39
HP 25-80.1/25	1,5	90	840	1107	-	-	267	180	170	138	26	40
HP 25-80.1/27	1,5	90	885	1152	-	-	267	180	170	138	27	41
HP 25-80.1/30	1,5	90	952,5	1219,5	-	-	267	180	170	138	28,5	42,5
HP 25-80.1/32	2,2	90	997,5	1264,5	-	-	267	180	170	138	29	45
HP 25-80.1/34	2,2	90	1042,5	1309,5	-	-	267	180	170	138	30	46
HP 25-80.1/37	2,2	90	1110	1377	-	-	267	180	170	138	31,5	47,5

Performance curve

Type HP 25-80.2

Speed 2900 rpm

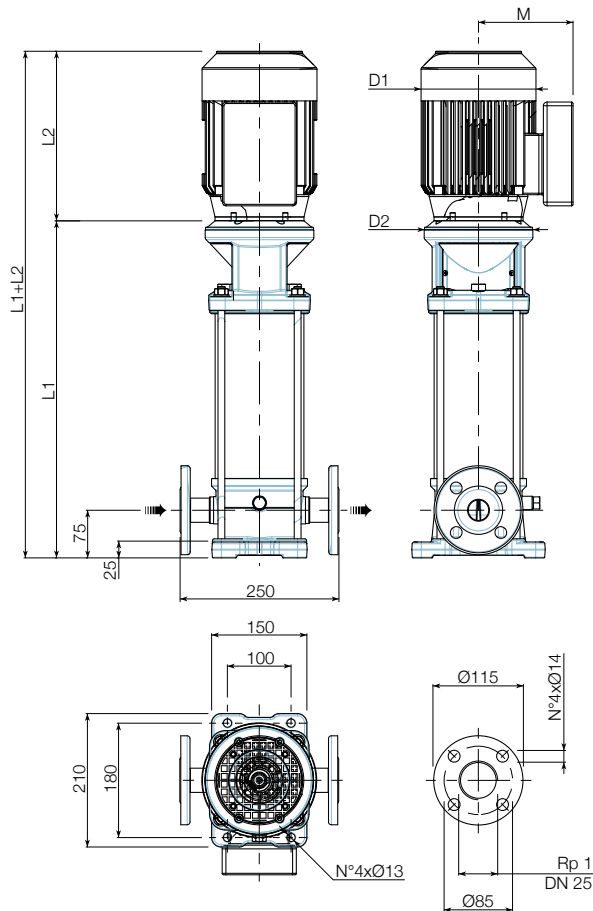


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 25-80.2



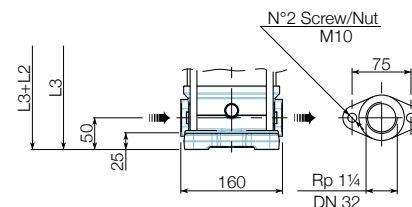
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 21 stages

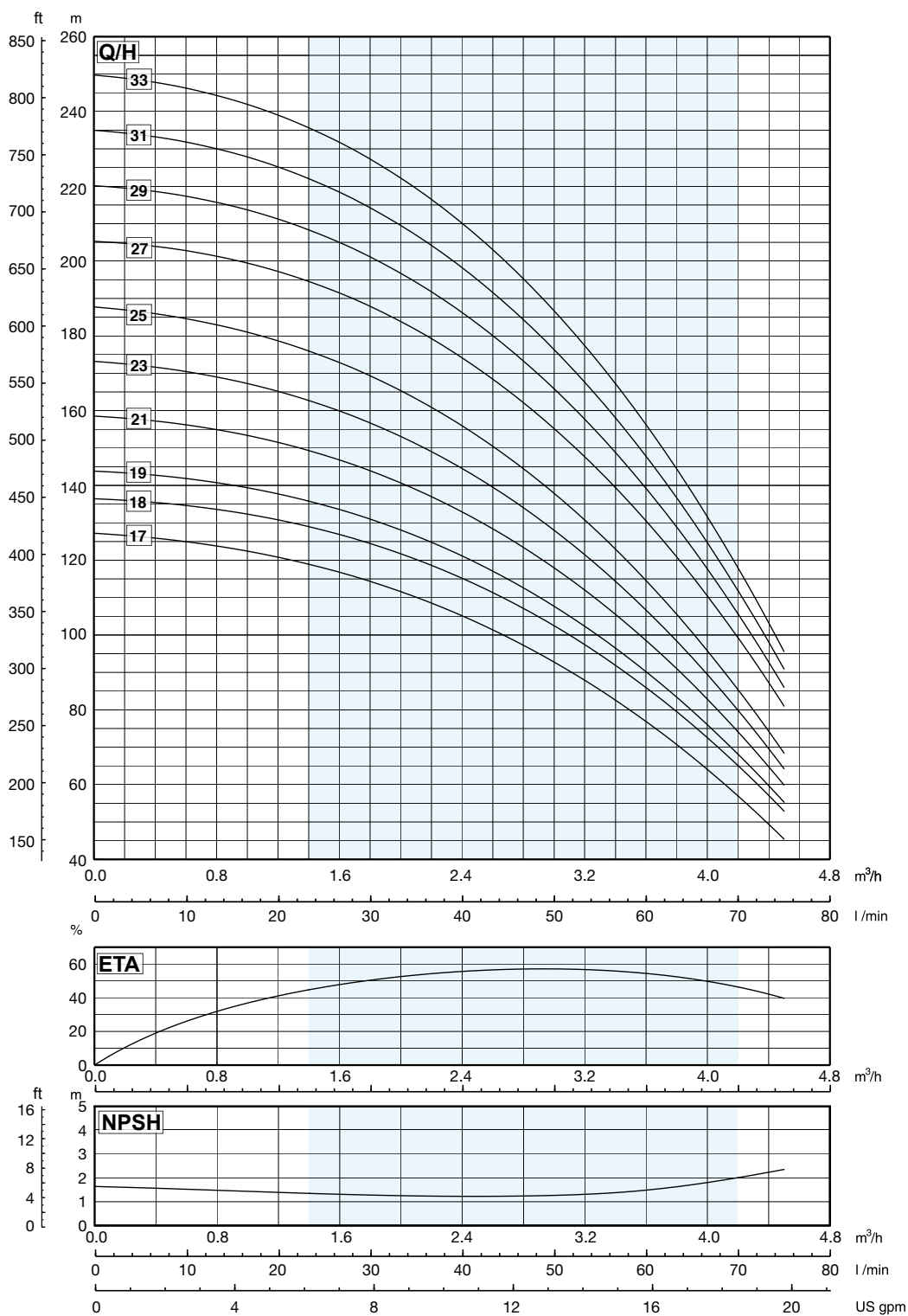


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 25-80.2/2	0,37	71	312,5	527,5	287,5	502,5	215	142	170	112	15	20,8
HP 25-80.2/3	0,37	71	335	550	310	525	215	142	170	112	15	20,8
HP 25-80.2/4	0,37	71	357,5	572,5	332,5	547,5	215	142	170	112	15,5	21,3
HP 25-80.2/5	0,55	71	380	595	355	570	215	142	170	112	16	22,2
HP 25-80.2/6	0,55	71	402,5	617,5	377,5	592,5	215	142	170	112	16,5	22,7
HP 25-80.2/7	0,75	80	425	657	400	632	232	160	170	129	17	26,5
HP 25-80.2/8	0,75	80	447,5	679,5	422,5	654,5	232	160	170	129	17,5	27
HP 25-80.2/9	0,75	80	470	702	445	677	232	160	170	129	18	27,5
HP 25-80.2/10	1,1	80	492,5	724,5	467,5	699,5	232	160	170	129	18,5	29,6
HP 25-80.2/11	1,1	80	515	747	490	722	232	160	170	129	19	30,1
HP 25-80.2/12	1,1	80	537,5	769,5	512,5	744,5	232	160	170	129	19,5	30,6
HP 25-80.2/13	1,1	80	560	792	535	767	232	160	170	129	20	31,1
HP 25-80.2/14	1,5	90	592,5	859,5	567,5	834,5	267	180	170	138	21	35
HP 25-80.2/15	1,5	90	615	882	590	857	267	180	170	138	21,5	35,5
HP 25-80.2/16	1,5	90	637,5	904,5	612,5	879,5	267	180	170	138	22	36

Performance curve

Type HP 25-80.2

Speed 2900 rpm

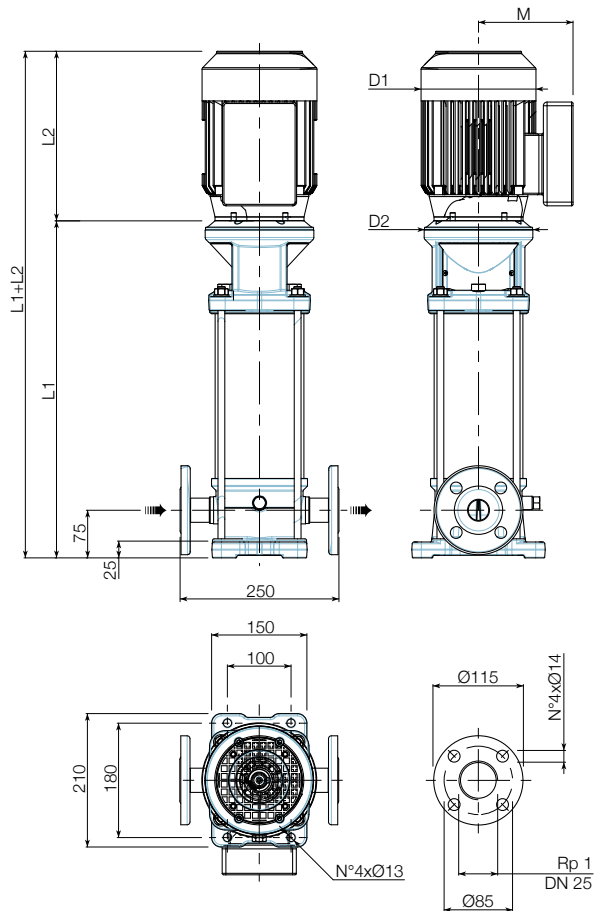


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 25-80.2



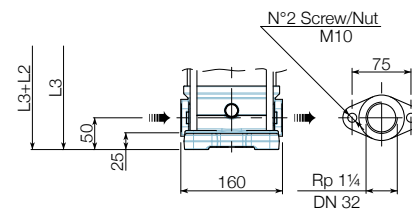
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 21 stages

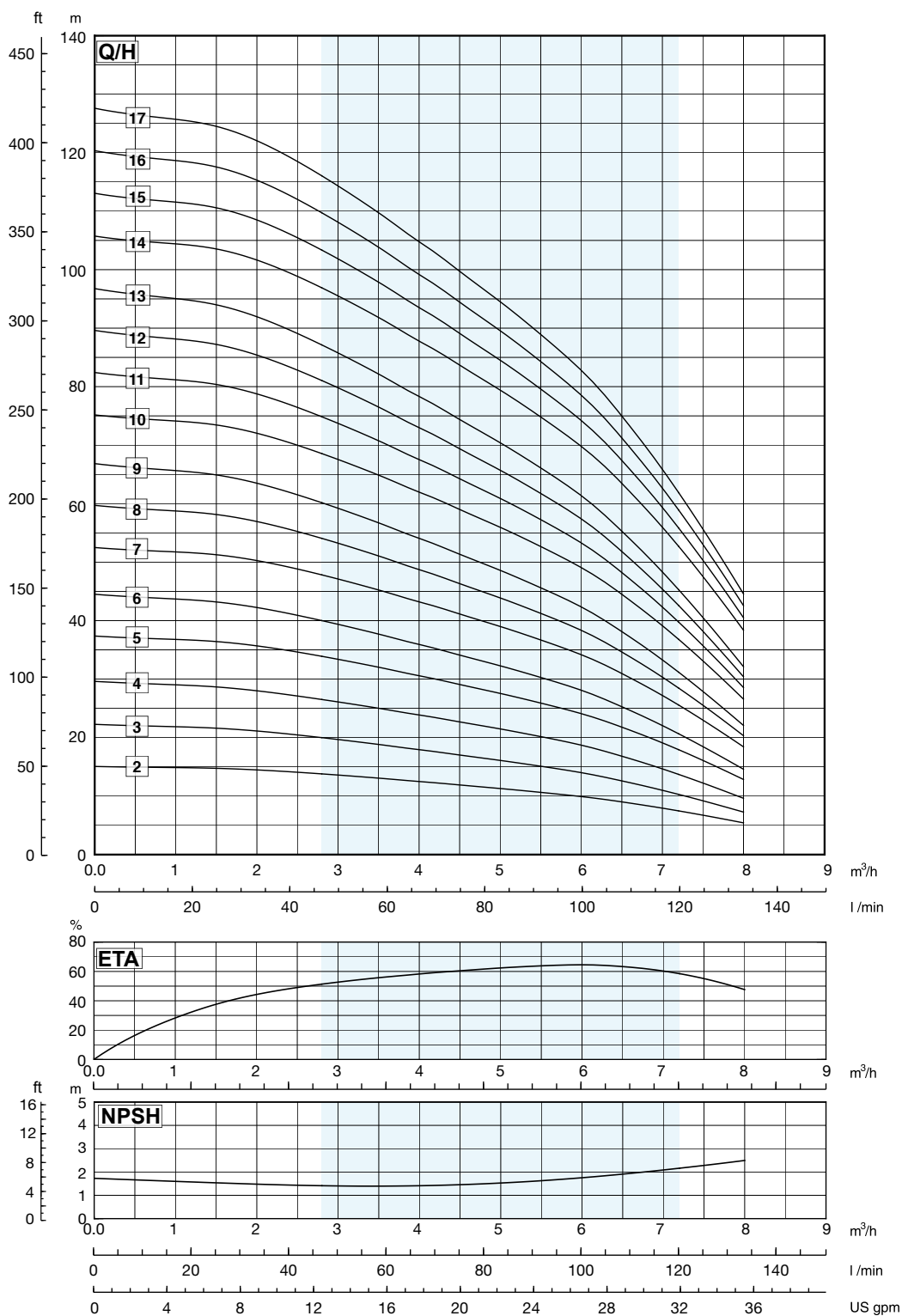


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
L1	L1+L2	L3	L3+L2									
HP 25-80.2/17	1,5	90	660	927	635	902	267	180	170	138	22,5	36,5
HP 25-80.2/18	2,2	90	682,5	949,5	657,5	924,5	267	180	170	138	23	39
HP 25-80.2/19	2,2	90	705	972	680	947	267	180	170	138	23,5	39,5
HP 25-80.2/21	2,2	90	750	1017	725	992	267	180	170	138	24	40
HP 25-80.2/23	2,2	90	795	1062	-	-	267	180	170	138	25	41
HP 25-80.2/25	2,2	90	840	1107	-	-	267	180	170	138	26	42
HP 25-80.2/27	3	100	895	1185	-	-	290	180	170	138	27,5	45,5
HP 25-80.2/29	3	100	940	1230	-	-	290	180	170	138	28,5	46,5
HP 25-80.2/31	3	100	985	1275	-	-	290	180	170	138	29,5	47,5
HP 25-80.2/33	3	100	1030	1320	-	-	290	180	170	138	30,5	48,5

Performance curve

Type HP 32-80.1

Speed 2900 rpm

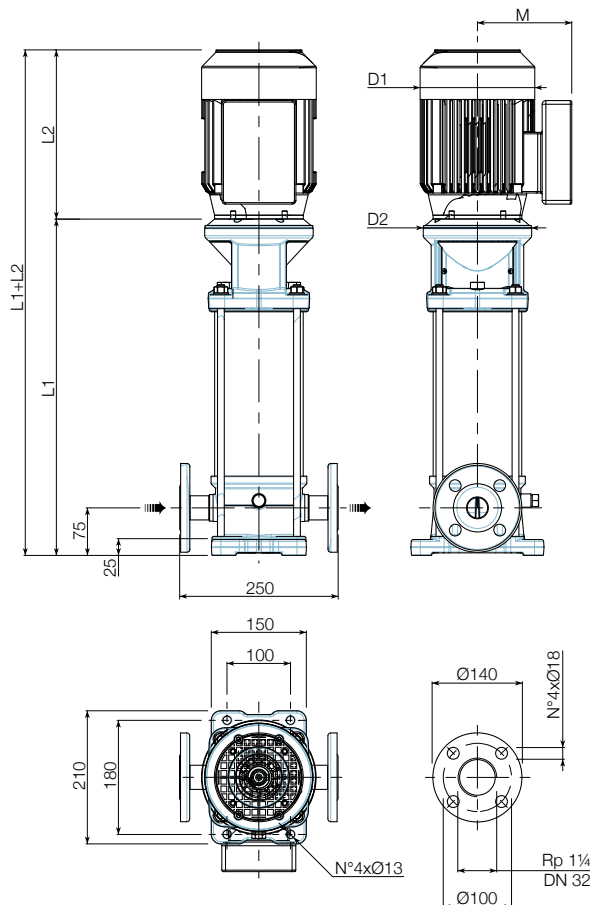


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 32-80.1



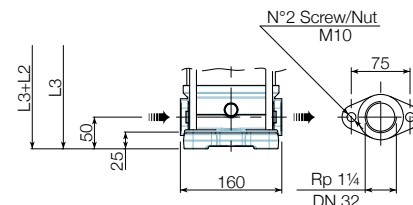
Round flange

Round flanges on body type PN25:
the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 21 stages

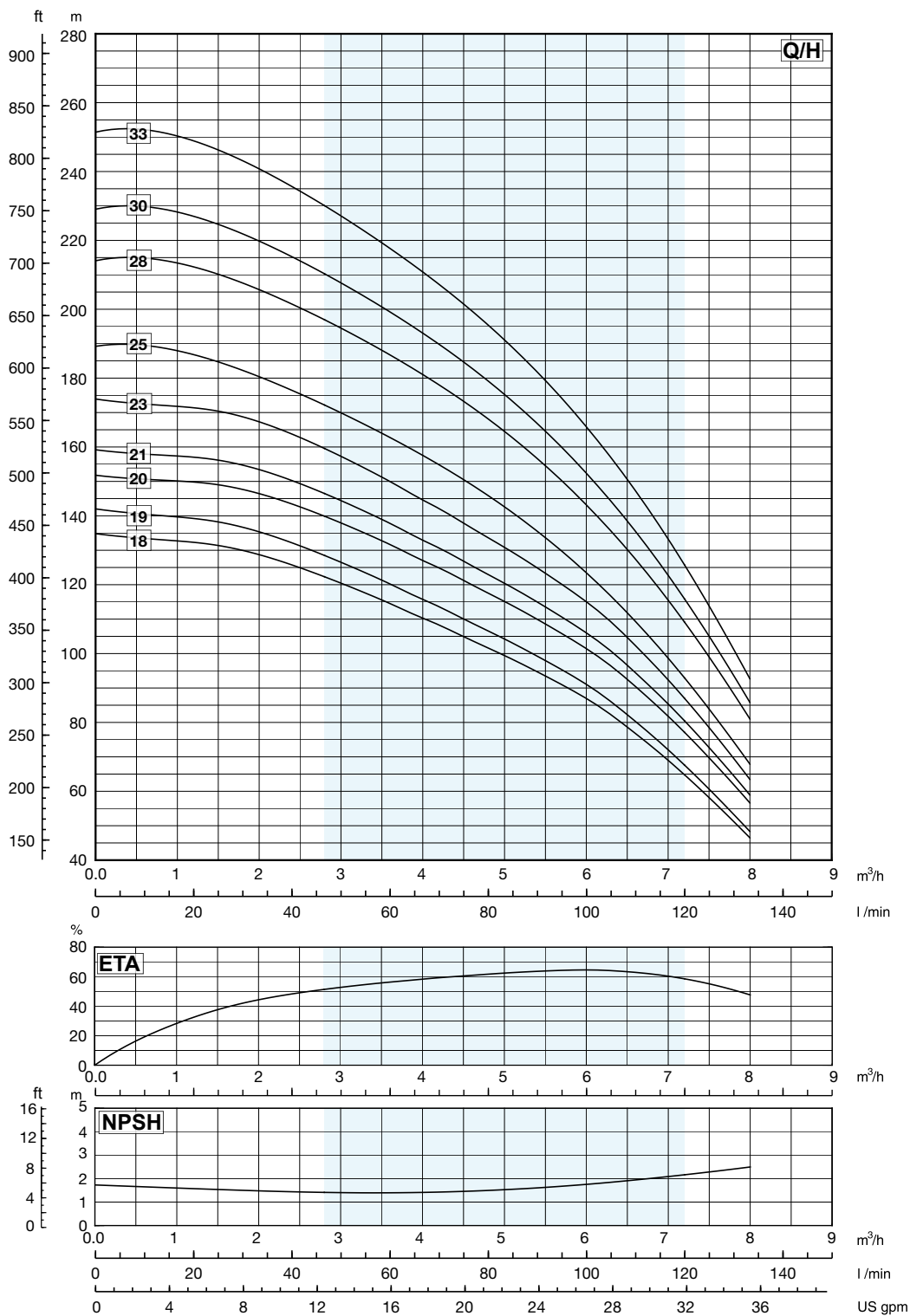


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 32-80.1/2	0,37	71	319,5	534,5	294,5	509,5	215	142	170	112	15	20,8
HP 32-80.1/3	0,37	71	345,5	560,5	320,5	535,5	215	142	170	112	15,5	21,3
HP 32-80.1/4	0,55	71	371,5	586,5	346,5	561,5	215	142	170	112	16	22,2
HP 32-80.1/5	0,75	80	397,5	629,5	372,5	604,5	232	160	170	129	16,5	26
HP 32-80.1/6	0,75	80	423,5	655,5	398,5	630,5	232	160	170	129	17,5	27
HP 32-80.1/7	1,1	80	449,5	681,5	424,5	656,5	232	160	170	129	18	29,1
HP 32-80.1/8	1,1	80	475,5	707,5	450,5	682,5	232	160	170	129	18,5	29,6
HP 32-80.1/9	1,1	80	501,5	733,5	476,5	708,5	232	160	170	129	19	30,1
HP 32-80.1/10	1,5	90	537,5	804,5	512,5	779,5	267	180	170	138	20	34
HP 32-80.1/11	1,5	90	563,5	830,5	538,5	805,5	267	180	170	138	20,5	34,5
HP 32-80.1/12	1,5	90	589,5	856,5	564,5	831,5	267	180	170	138	21	35
HP 32-80.1/13	1,5	90	615,5	882,5	590,5	857,5	267	180	170	138	21,5	35,5
HP 32-80.1/14	2,2	90	641,5	908,5	616,5	883,5	267	180	170	138	22	38
HP 32-80.1/15	2,2	90	667,5	934,5	642,5	909,5	267	180	170	138	22,5	38,5
HP 32-80.1/16	2,2	90	693,5	960,5	668,5	935,5	267	180	170	138	23	39
HP 32-80.1/17	2,2	90	719,5	986,5	694,5	961,5	267	180	170	138	23,5	39,5

Performance curve

Type HP 32-80.1

Speed 2900 rpm

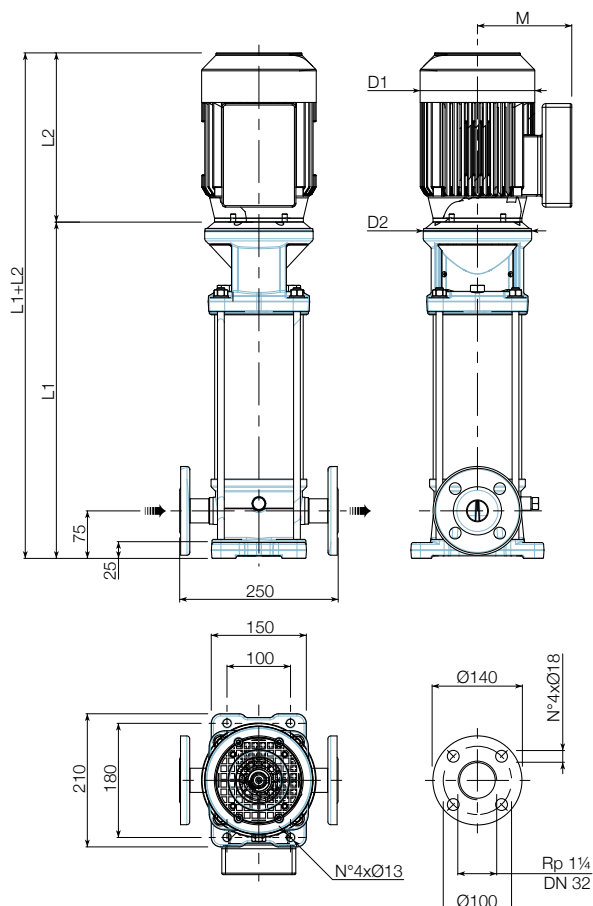


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 32-80.1



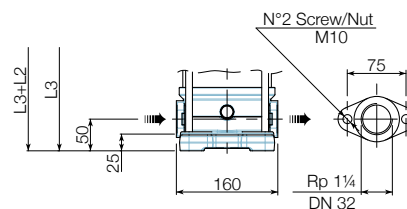
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from 2 to 21 stages

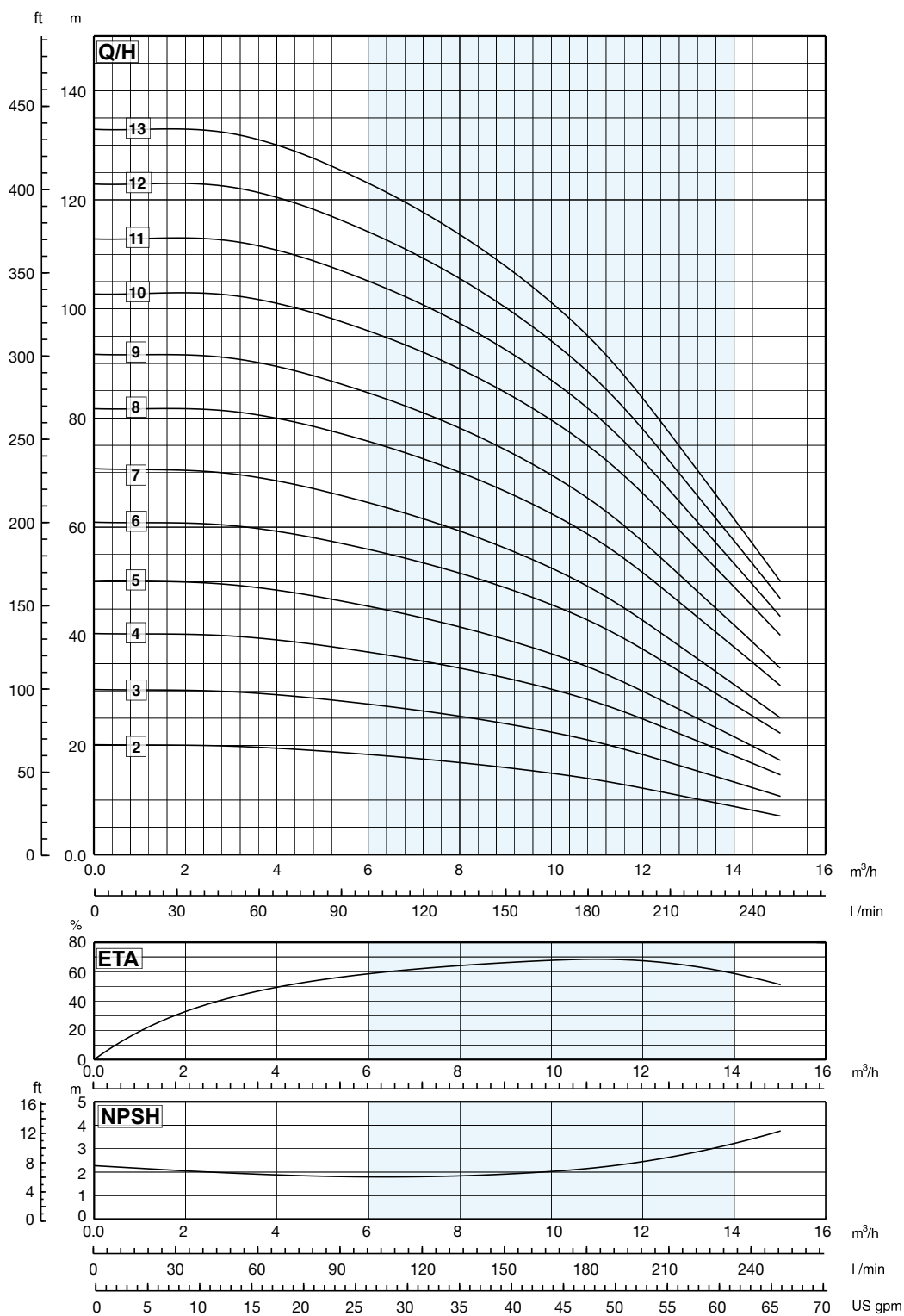


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 32-80.1/18	2,2	90	745,5	1012,5	720,5	987,5	267	180	170	138	24	40
HP 32-80.1/19	2,2	90	771,5	1038,5	746,5	1013,5	267	180	170	138	24,5	40,5
HP 32-80.1/20	3	100	807,5	1097,5	782,5	1072,5	290	180	170	138	25,5	43,5
HP 32-80.1/21	3	100	833,5	1123,5	808,5	1098,5	290	180	170	138	26	44
HP 32-80.1/23	3	100	885,5	1175,5	-	-	290	180	170	138	27	45
HP 32-80.1/25	3	100	937,5	1227,5	-	-	290	180	170	138	28,5	46,5
HP 32-80.1/28	4	112	1015,5	1321,5	-	-	306	196	170	145	30	56,5
HP 32-80.1/30	4	112	1067,5	1373,5	-	-	306	196	170	145	31	57,5
HP 32-80.1/33	4	112	1145,5	1451,5	-	-	306	196	170	145	32,5	59

Performance curve

Type HP 40-95.1

Speed 2900 rpm

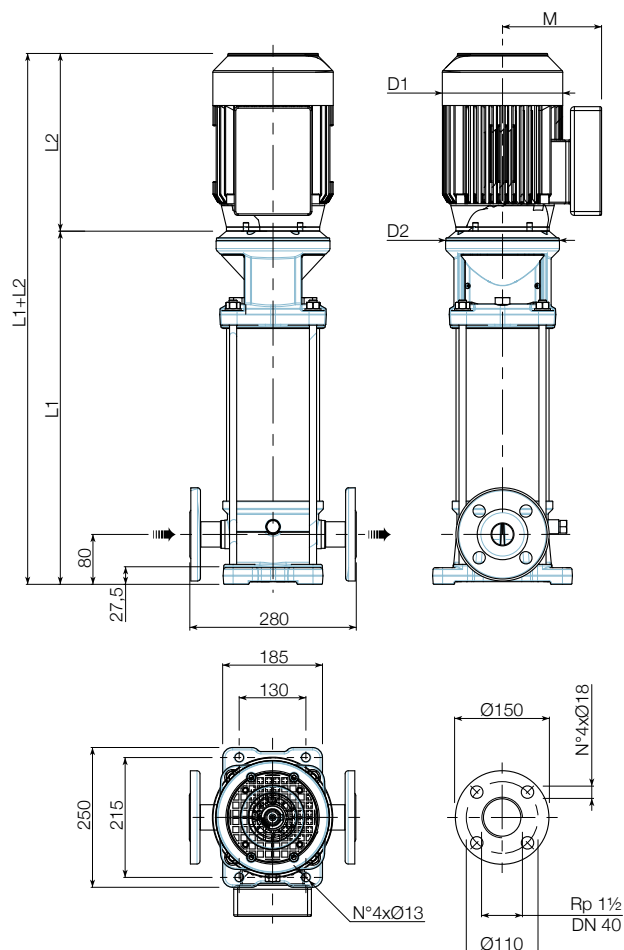


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 40-95.1



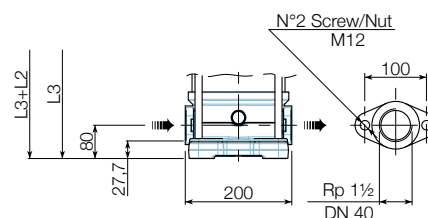
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 15 stages

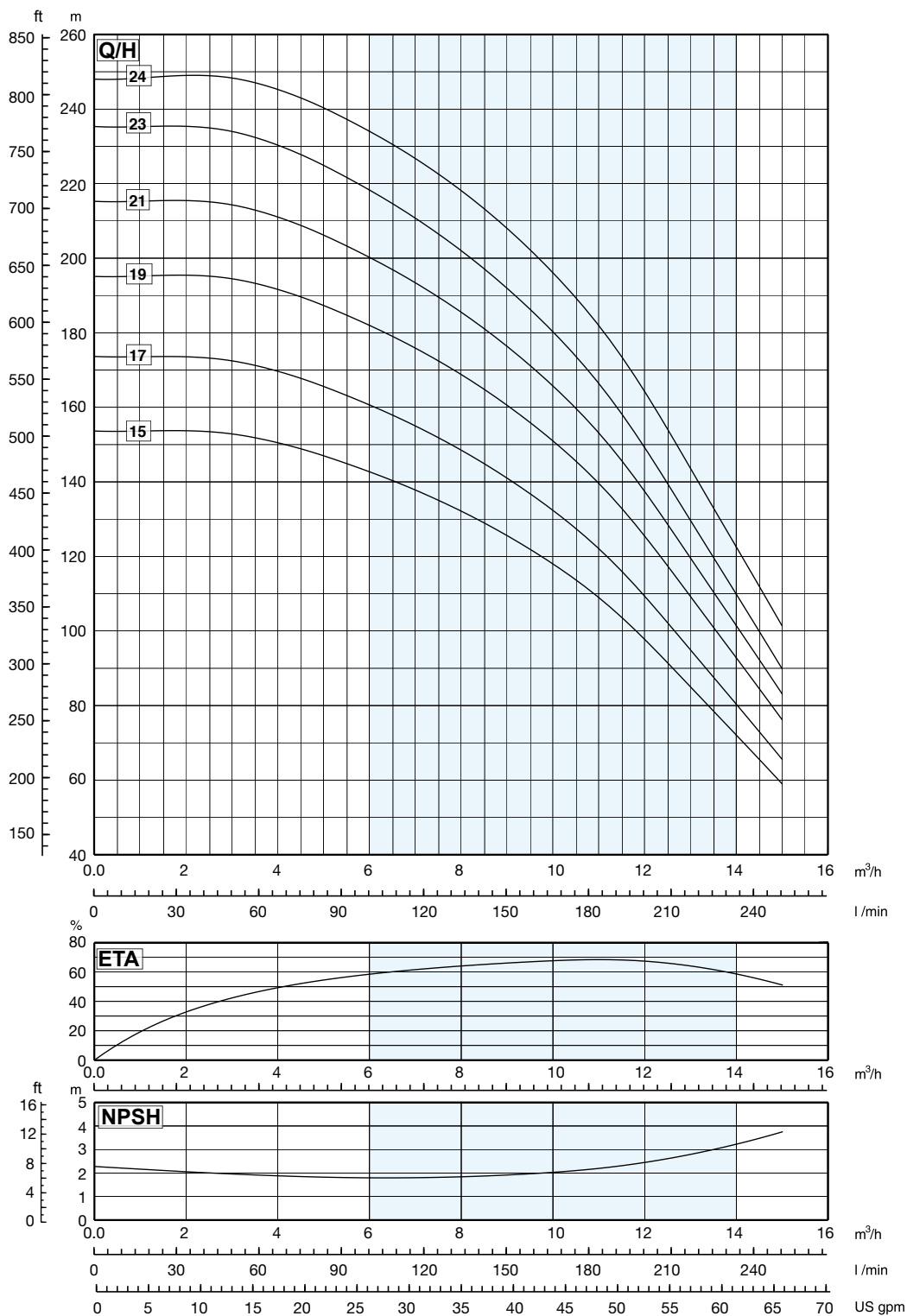


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 40-95.1/2	0,75	80	347,5	579,5	347,5	579,5	232	160	170	129	17,5	27
HP 40-95.1/3	1,1	80	377,5	609,5	377,5	609,5	232	160	170	129	18	29,1
HP 40-95.1/4	1,5	90	417,5	684,5	417,5	684,5	267	180	170	138	19,5	33,5
HP 40-95.1/5	1,5	90	447,5	714,5	447,5	714,5	267	180	170	138	20	34
HP 40-95.1/6	2,2	90	477,5	744,5	477,5	744,5	267	180	170	138	20,5	36,5
HP 40-95.1/7	2,2	90	507,5	774,5	507,5	774,5	267	180	170	138	21	37
HP 40-95.1/8	3	100	547,5	837,5	547,5	837,5	290	180	170	138	22,5	40,5
HP 40-95.1/9	3	100	577,5	867,5	577,5	867,5	290	180	170	138	23	41
HP 40-95.1/10	4	112	607,5	913,5	607,5	913,5	306	196	170	145	24	50,5
HP 40-95.1/11	4	112	637,5	943,5	637,5	943,5	306	196	170	145	24,5	51
HP 40-95.1/12	4	112	667,5	973,5	667,5	973,5	306	196	170	145	25	51,5
HP 40-95.1/13	4	112	697,5	1003,5	697,5	1003,5	306	196	170	145	26	52,5

Performance curve

Type HP 40-95.1

Speed 2900 rpm

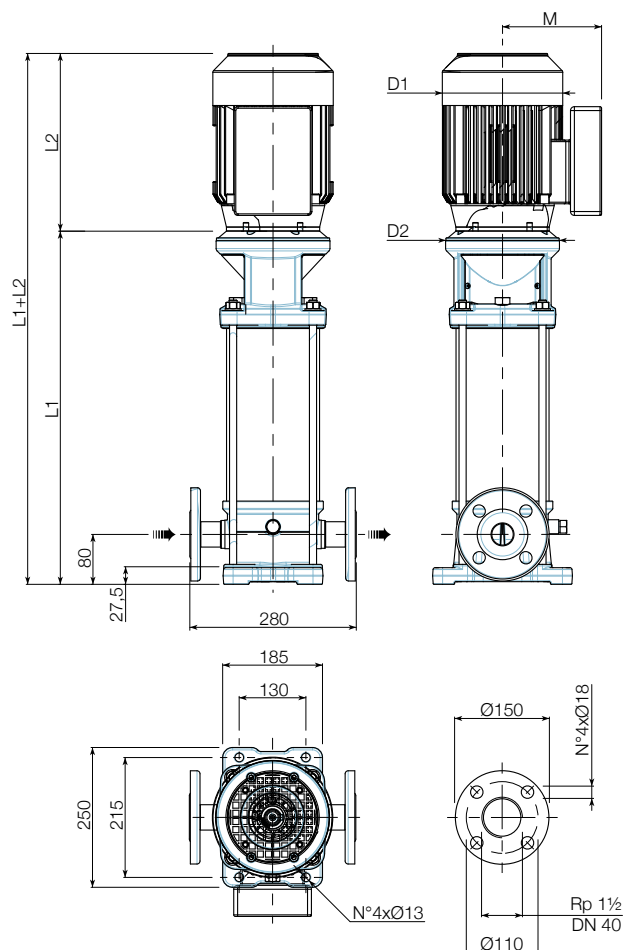


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 40-95.1



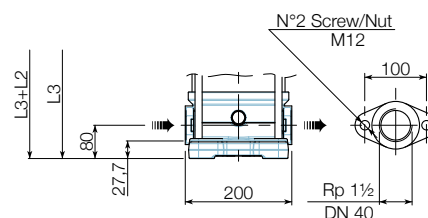
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 15 stages

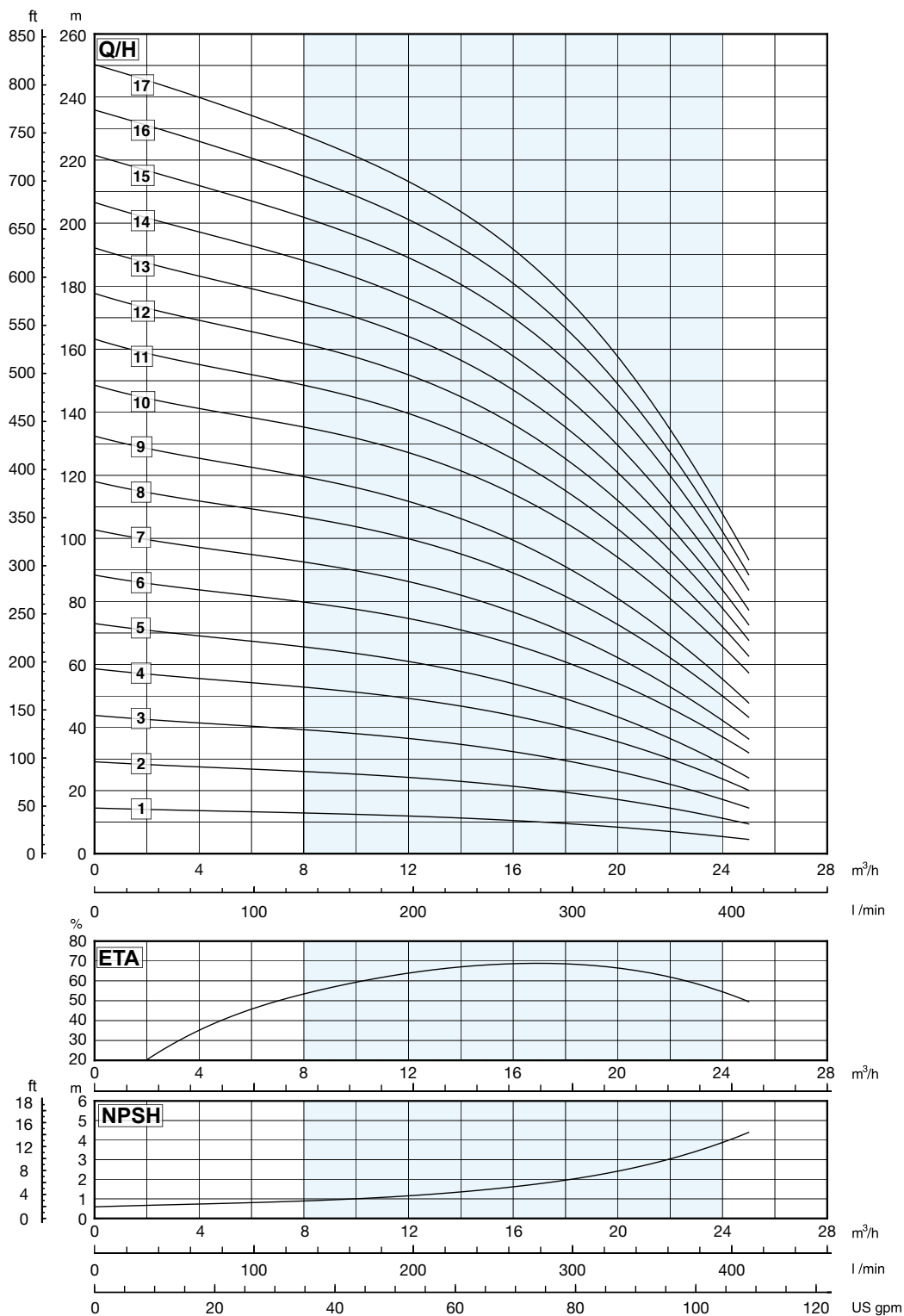


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 40-95.1/15	5,5	132	933	1261	933	1261	328	225	300	161	46,5	80,1
HP 40-95.1/17	5,5	132	993	1321	-	-	328	225	300	161	48	81,6
HP 40-95.1/19	7,5	132	1053	1403	-	-	350	225	300	161	49	85
HP 40-95.1/21	7,5	132	1113	1463	-	-	350	225	300	161	50,5	86,5
HP 40-95.1/23	7,5	132	1173	1523	-	-	350	225	300	161	52	88
HP 40-95.1/24	11	160	1223	1648	-	-	425	248	350	198	55	114

Performance curve

Type HP 50-110.1

Speed 2900 rpm

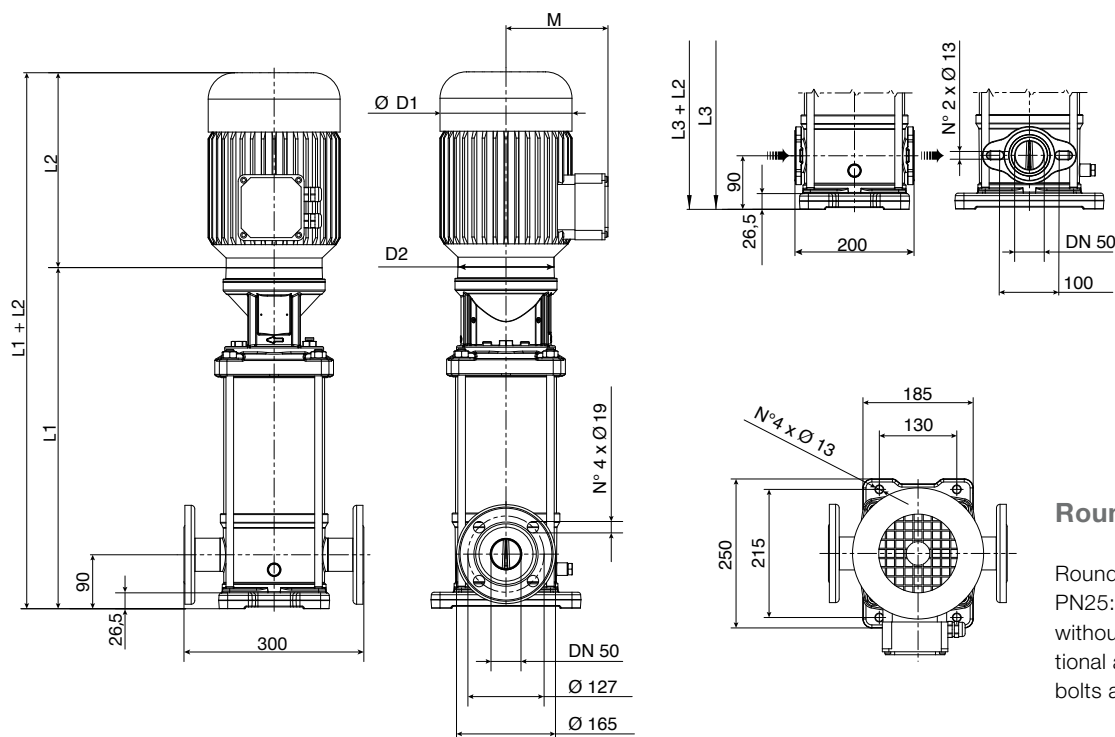


MEI $\geq 0,70$

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 50-110.1



Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints). Available from 1 to 10 stages

Round flange

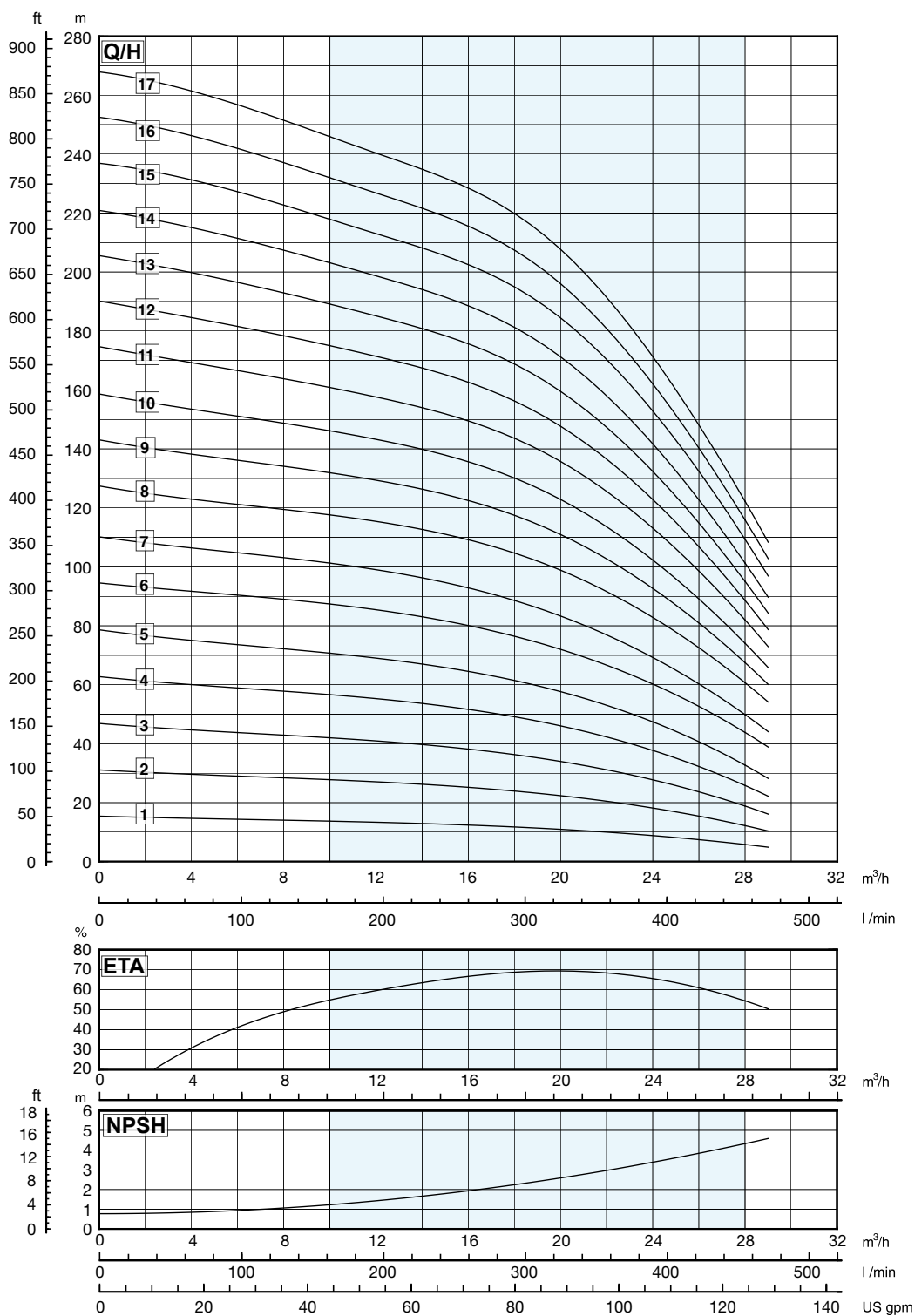
Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 50-110.1/1	1,1	80	405	637	405	637	232	160	170	129	23,5	35,5
HP 50-110.1/2	2,2	90	415	682	415	682	267	180	170	138	25	41
HP 50-110.1/3	3	100	473	740	473	740	267	180	170	138	27	45,7
HP 50-110.1/4	4	112	521	827	521	827	306	196	170	145	28,5	51,3
HP 50-110.1/5	4	112	569	875	569	875	306	196	170	145	30	52,8
HP 50-110.1/6	5,5	132	804	1132	804	1132	328	225	300	161	52	86
HP 50-110.1/7	5,5	132	852	1180	852	1180	328	225	300	161	53	87
HP 50-110.1/8	7,5	132	900	1250	900	1250	350	225	300	161	54,5	90,5
HP 50-110.1/9	7,5	132	948	1298	948	1298	350	225	300	161	56	92
HP 50-110.1/10	11	160	1016	1441	1016	1441	425	248	350	198	60	118
HP 50-110.1/11	11	160	1064	1489	-	-	425	248	350	198	61,5	119,5
HP 50-110.1/12	11	160	1112	1537	-	-	425	248	350	198	63	121
HP 50-110.1/13	11	160	1160	1585	-	-	425	248	350	198	64,5	122,5
HP 50-110.1/14	11	160	1208	1633	-	-	425	248	350	198	66	124
HP 50-110.1/15	15	160	1256	1732	-	-	476	248	350	198	67	131
HP 50-110.1/16	15	160	1304	1780	-	-	476	248	350	198	68,5	132,5
HP 50-110.1/17	15	160	1352	1828	-	-	476	248	350	198	70	134

Performance curve

Type HP 50-110.2

Speed 2900 rpm

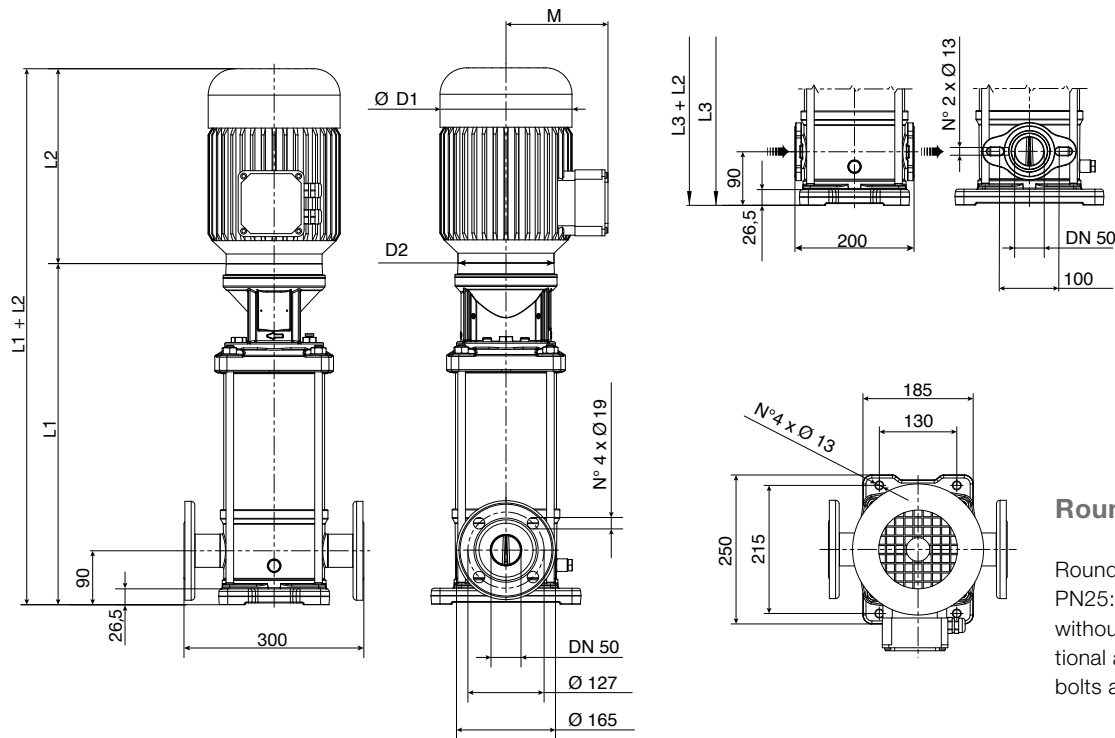


MEI $\geq 0,70$

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 50-110.2



Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints). Available from 1 to 10 stages

Round flange

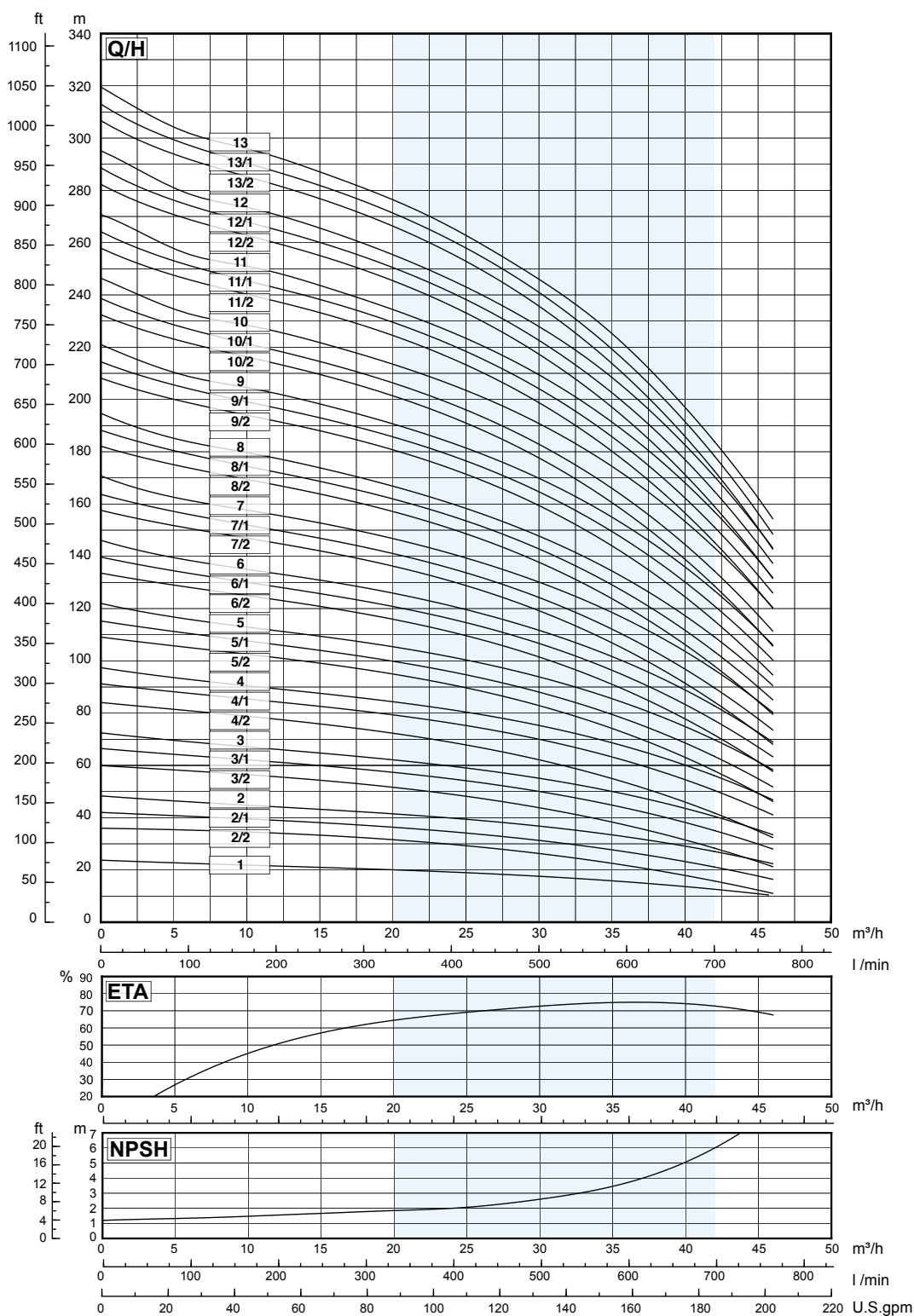
Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 50-110.2/1	1,1	80	405	637	405	637	232	160	170	129	23,5	35,5
HP 50-110.2/2	2,2	90	415	682	415	682	267	180	170	138	25,5	41,5
HP 50-110.2/3	4	112	473	779	473	779	306	196	170	145	27	49,8
HP 50-110.2/4	5,5	132	708	1036	708	1036	328	225	300	161	49	83
HP 50-110.2/5	5,5	132	756	1084	756	1084	328	225	300	161	50,5	84,5
HP 50-110.2/6	7,5	132	804	1154	804	1154	350	225	300	161	52	88
HP 50-110.2/7	7,5	132	852	1202	852	1202	350	225	300	161	53	89
HP 50-110.2/8	11	160	920	1345	920	1345	425	248	350	198	57,5	115,5
HP 50-110.2/9	11	160	968	1393	968	1393	425	248	350	198	59	117
HP 50-110.2/10	11	160	1016	1441	1016	1441	425	248	350	198	60,5	118,5
HP 50-110.2/11	15	160	1064	1540	-	-	476	248	350	198	61,5	125,5
HP 50-110.2/12	15	160	1112	1588	-	-	476	248	350	198	63	127
HP 50-110.2/13	15	160	1160	1636	-	-	476	248	350	198	64,5	128,5
HP 50-110.2/14	15	160	1208	1684	-	-	476	248	350	198	66	130
HP 50-110.2/15	18,5	160	1256	1798	-	-	542	317	350	235	67,5	156,4
HP 50-110.2/16	18,5	160	1304	1846	-	-	542	317	350	235	68,5	157,4
HP 50-110.2/17	18,5	160	1352	1894	-	-	542	317	350	235	70	158,9

Performance curve

Type HP 65-135.1

Speed 2900 rpm

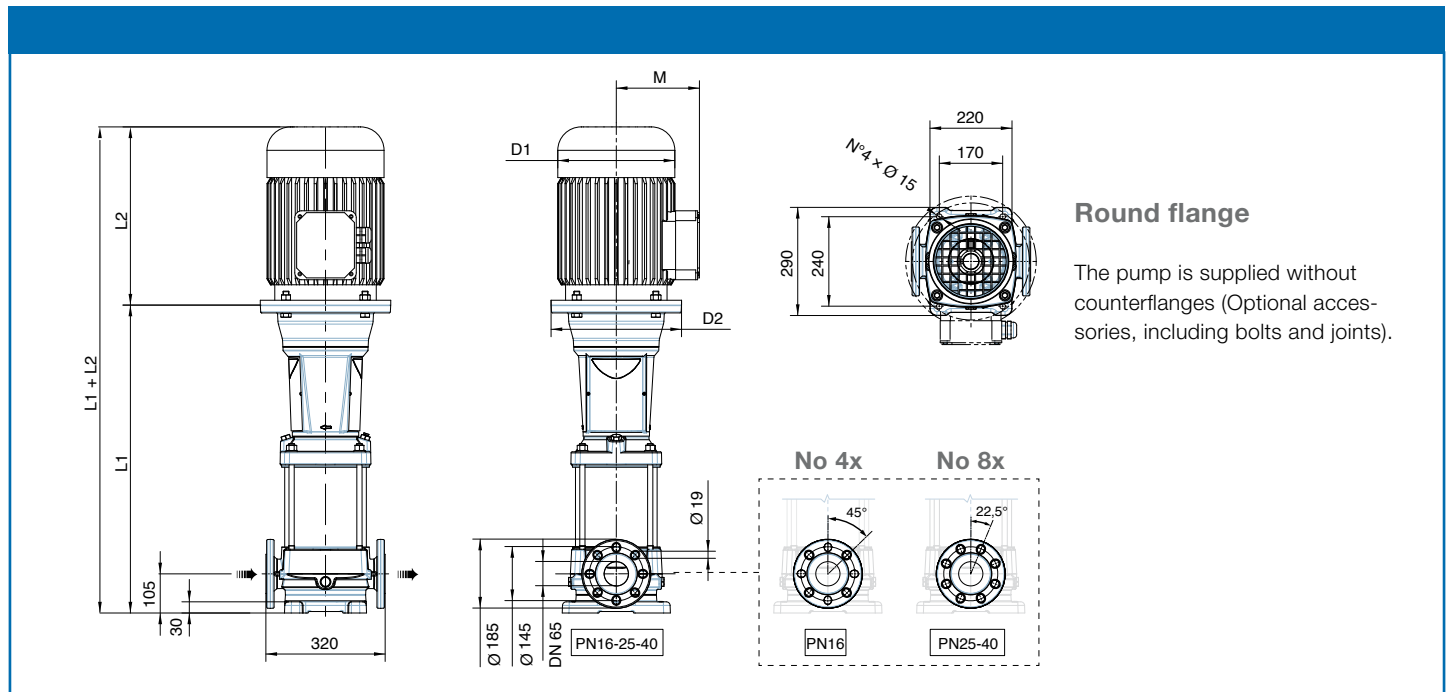


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 65-135.1



Round flange

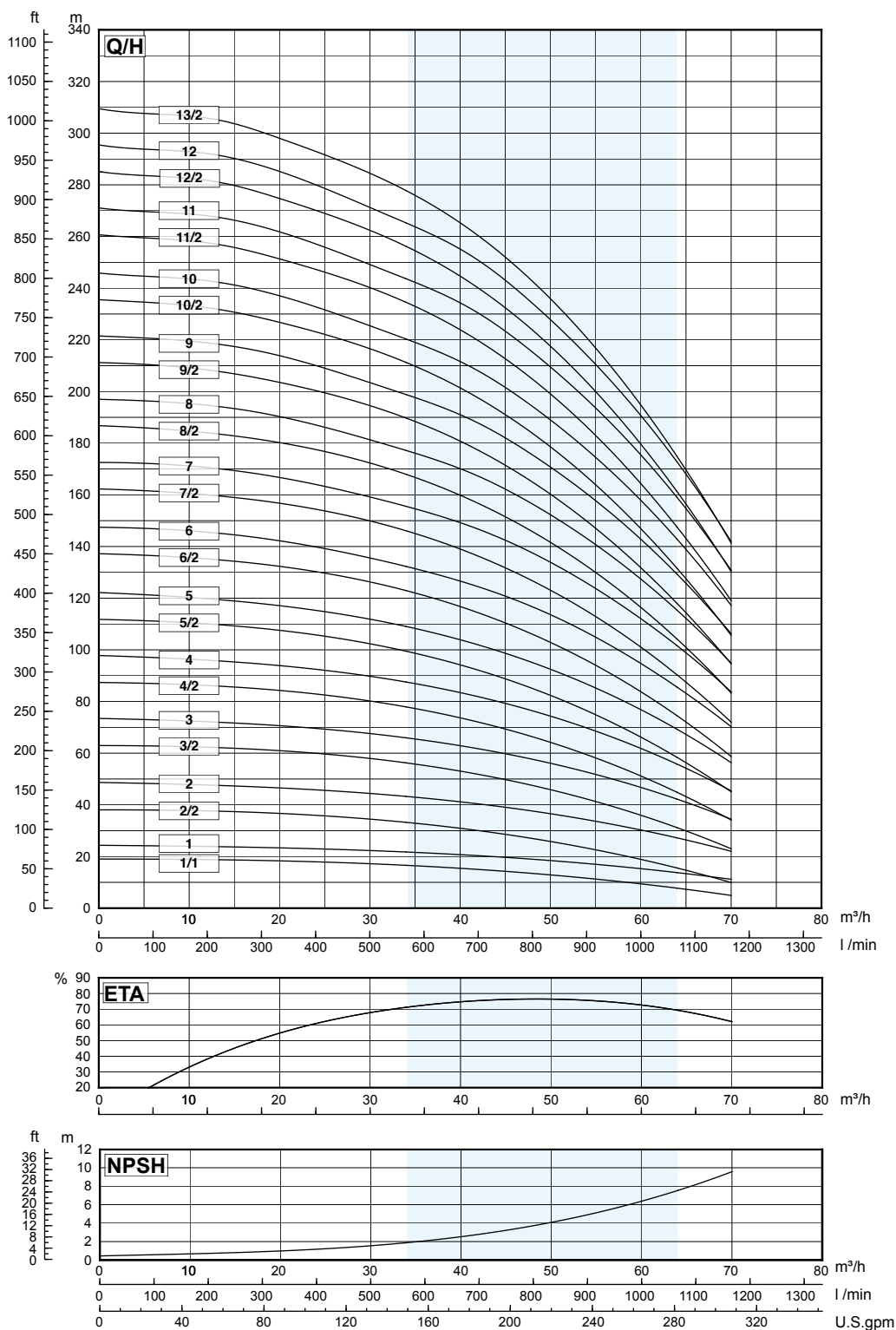
The pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Type	Motor		Dimensions [mm]						Weight [kg]	
	kW	Size	L1	L1+L2	L2	D1	D2	M	Pump	Unit
HP 65-135.1/1	2,2	90	445	712	267	180	170	138	53	69
HP 65-135.1/2/2	4	112	537	843	306	196	170	145	57	80
HP 65-135.1/2/1	4	112	724	1030	306	196	170	145	74,5	97,5
HP 65-135.1/2	5,5	132	724	1052	328	225	300	161	74,5	108,5
HP 65-135.1/3/2	5,5	132	806	1134	328	225	300	161	78,5	112,5
HP 65-135.1/3/1	7,5	132	806	1156	350	225	300	161	78,5	114,5
HP 65-135.1/3	7,5	132	806	1156	350	225	300	161	78,5	114,5
HP 65-135.1/4/2	7,5	132	888	1238	350	225	300	161	85,5	121,5
HP 65-135.1/4/1	11	160	908	1333	425	248	350	198	85,5	143,5
HP 65-135.1/4	11	160	908	1333	425	248	350	198	85,5	143,5
HP 65-135.1/5/2	11	160	990	1415	425	248	350	198	89,5	147,5
HP 65-135.1/5/1	11	160	990	1415	425	248	350	198	89,5	147,5
HP 65-135.1/5	15	160	990	1466	476	248	350	198	89,5	153,5
HP 65-135.1/6/2	15	160	1072	1548	476	248	350	198	93,5	157,5
HP 65-135.1/6/1	15	160	1072	1548	476	248	350	198	93,5	157,5
HP 65-135.1/6	15	160	1072	1548	476	248	350	198	93,5	157,5
HP 65-135.1/7/2	15	160	1154	1630	476	248	350	198	97,5	161,5
HP 65-135.1/7/1	15	160	1154	1630	476	248	350	198	97,5	161,5
HP 65-135.1/7	18,5	160	1154	1696	542	317	350	238	97,5	186,5
HP 65-135.1/8/2	18,5	160	1236	1778	542	317	350	238	101,5	190,5
HP 65-135.1/8/1	18,5	160	1236	1778	542	317	350	238	101,5	190,5
HP 65-135.1/8	18,5	160	1236	1778	542	317	350	238	101,5	190,5
HP 65-135.1/9/2	22	180	1318	1860	542	360	350	238	105,5	214
HP 65-135.1/9/1	22	180	1318	1860	542	360	350	238	105,5	214
HP 65-135.1/9	22	180	1318	1860	542	360	350	238	105,5	214
HP 65-135.1/10/2	22	180	1400	1942	542	360	350	238	112,5	221
HP 65-135.1/10/1	22	180	1400	1942	542	360	350	238	112,5	221
HP 65-135.1/10	30	200	1405	2063	658	399	400	297	112,5	340,5
HP 65-135.1/11/2	30	200	1487	2145	658	399	400	297	116,5	344,5
HP 65-135.1/11/1	30	200	1487	2145	658	399	400	297	116,5	344,5
HP 65-135.1/11	30	200	1487	2145	658	399	400	297	116,5	344,5
HP 65-135.1/12/2	30	200	1569	2227	658	399	400	297	120,5	348,5
HP 65-135.1/12/1	30	200	1569	2227	658	399	400	297	120,5	348,5
HP 65-135.1/12	30	200	1569	2227	658	399	400	297	120,5	348,5
HP 65-135.1/13/2	30	200	1651	2309	658	399	400	297	124,5	352,5
HP 65-135.1/13/1	30	200	1651	2309	658	399	400	297	124,5	352,5
HP 65-135.1/13	30	200	1651	2309	658	399	400	297	124,5	352,5

Performance curve

Type HP 80-135.1

Speed 2900 rpm

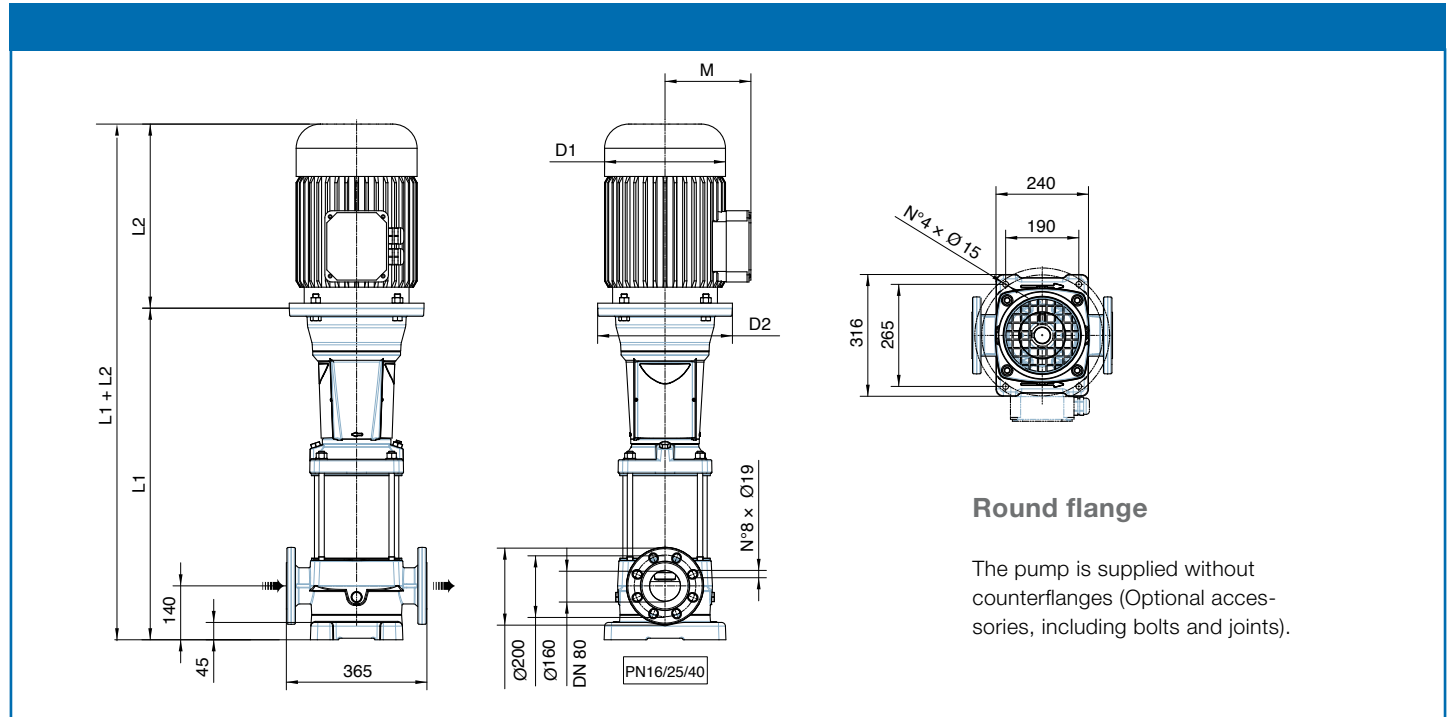


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 80-135.1

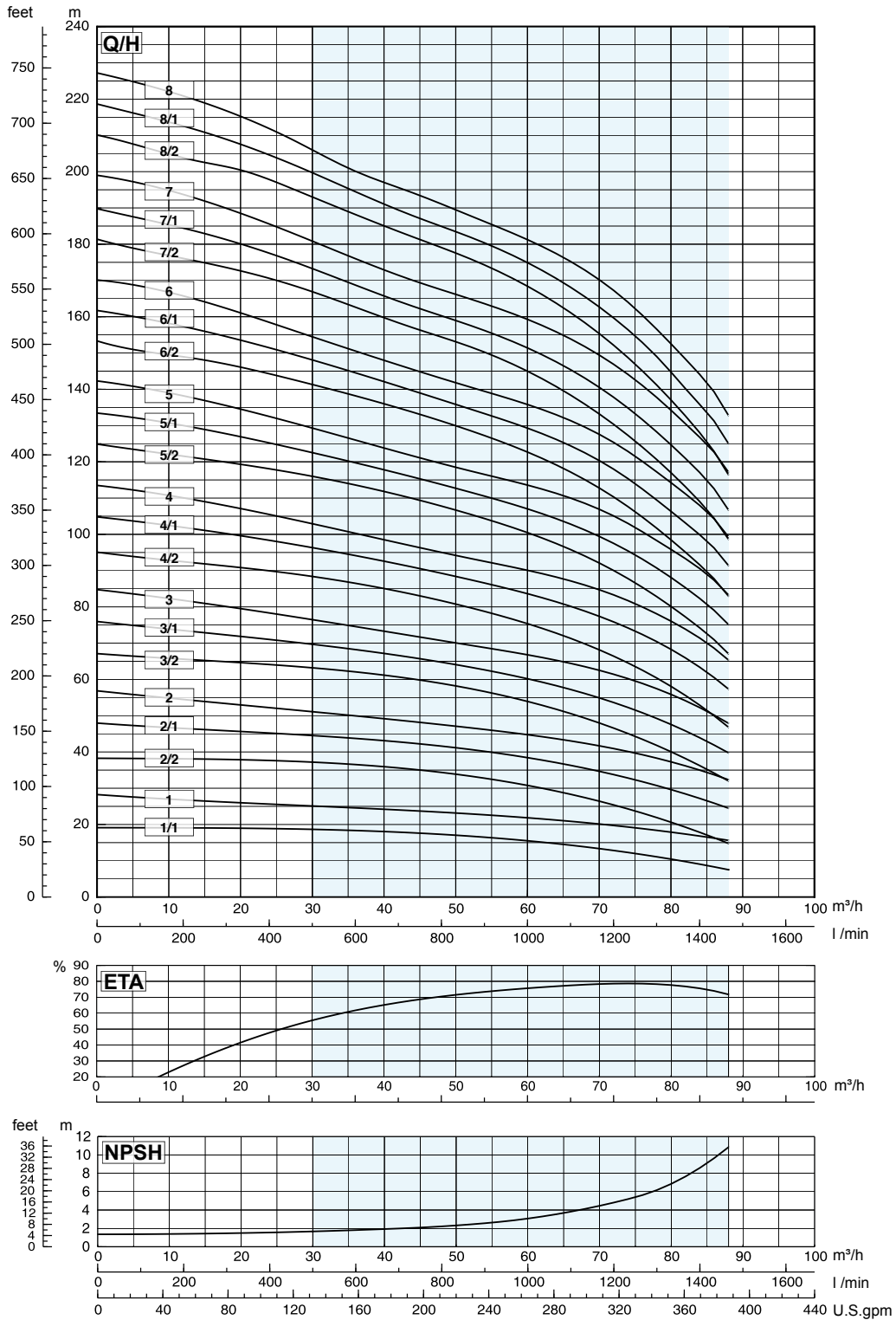


Type	Motor		Dimensions [mm]						Weight [kg]	
	kW	Size	L1	L1+L2	L2	D1	D2	M	Pump	Unit
HP 80-135.1/1/1	3	100	490	757	267	180	170	138	59	78
HP 80-135.1/1	4	112	490	796	306	196	170	145	59	82
HP 80-135.1/2/2	5,5	132	759	1087	328	225	300	161	80,5	114,5
HP 80-135.1/2	7,5	132	759	1109	350	225	300	161	80,5	116,5
HP 80-135.1/3/2	11	160	861	1286	425	248	350	198	87,5	145,5
HP 80-135.1/3	11	160	861	1286	425	248	350	198	87,5	145,5
HP 80-135.1/4/2	15	160	943	1419	476	248	350	198	91,5	155,5
HP 80-135.1/4	15	160	943	1419	476	248	350	198	91,5	155,5
HP 80-135.1/5/2	18,5	160	1025	1567	542	317	350	238	95,5	184,5
HP 80-135.1/5	18,5	160	1025	1567	542	317	350	238	95,5	184,5
HP 80-135.1/6/2	22	180	1107	1649	542	317	350	238	99	208
HP 80-135.1/6	22	180	1107	1649	542	317	350	238	99	208
HP 80-135.1/7/2	30	200	1194	1852	658	399	400	297	106	334
HP 80-135.1/7	30	200	1194	1852	658	399	400	297	106	334
HP 80-135.1/8/2	30	200	1276	1934	658	399	400	297	110	338
HP 80-135.1/8	30	200	1276	1934	658	399	400	297	110	338
HP 80-135.1/9/2	37	200	1358	2016	658	399	400	297	114	356
HP 80-135.1/9	37	200	1358	2016	658	399	400	297	114	356
HP 80-135.1/10/2	37	200	1440	2098	658	399	400	297	118	360
HP 80-135.1/10	37	200	1440	2098	658	399	400	297	118	360
HP 80-135.1/11/2	45	225	1522	2221	699	465	450	333	125	433
HP 80-135.1/11	45	225	1522	2221	699	465	450	333	125	433
HP 80-135.1/12/2	45	225	1604	2303	699	465	450	333	129	437
HP 80-135.1/12	45	225	1604	2303	699	465	450	333	129	437
HP 80-135.1/13/2	45	225	1686	2385	699	465	450	333	133	441

Performance curve

Type HP 100-145.1

Speed 2900 rpm

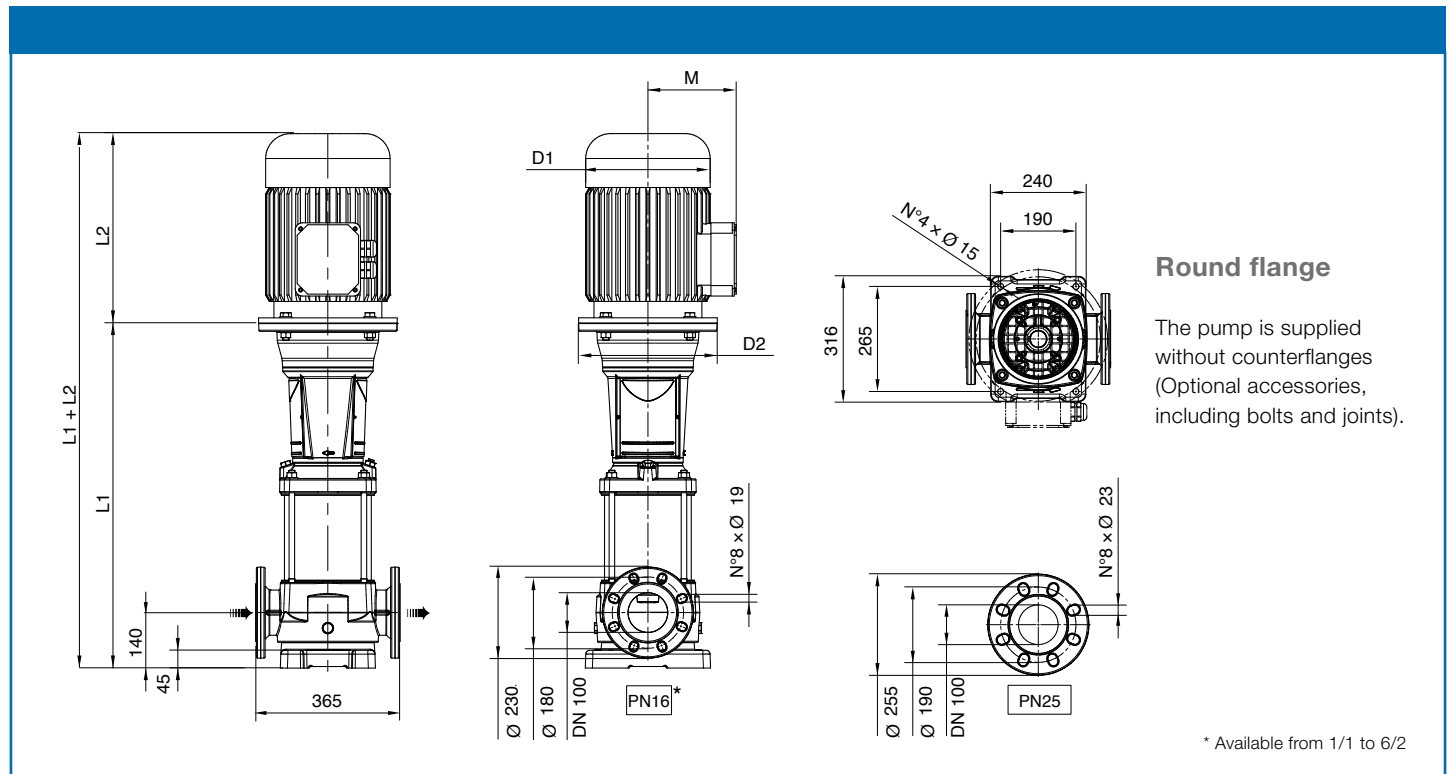


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 100-145.1

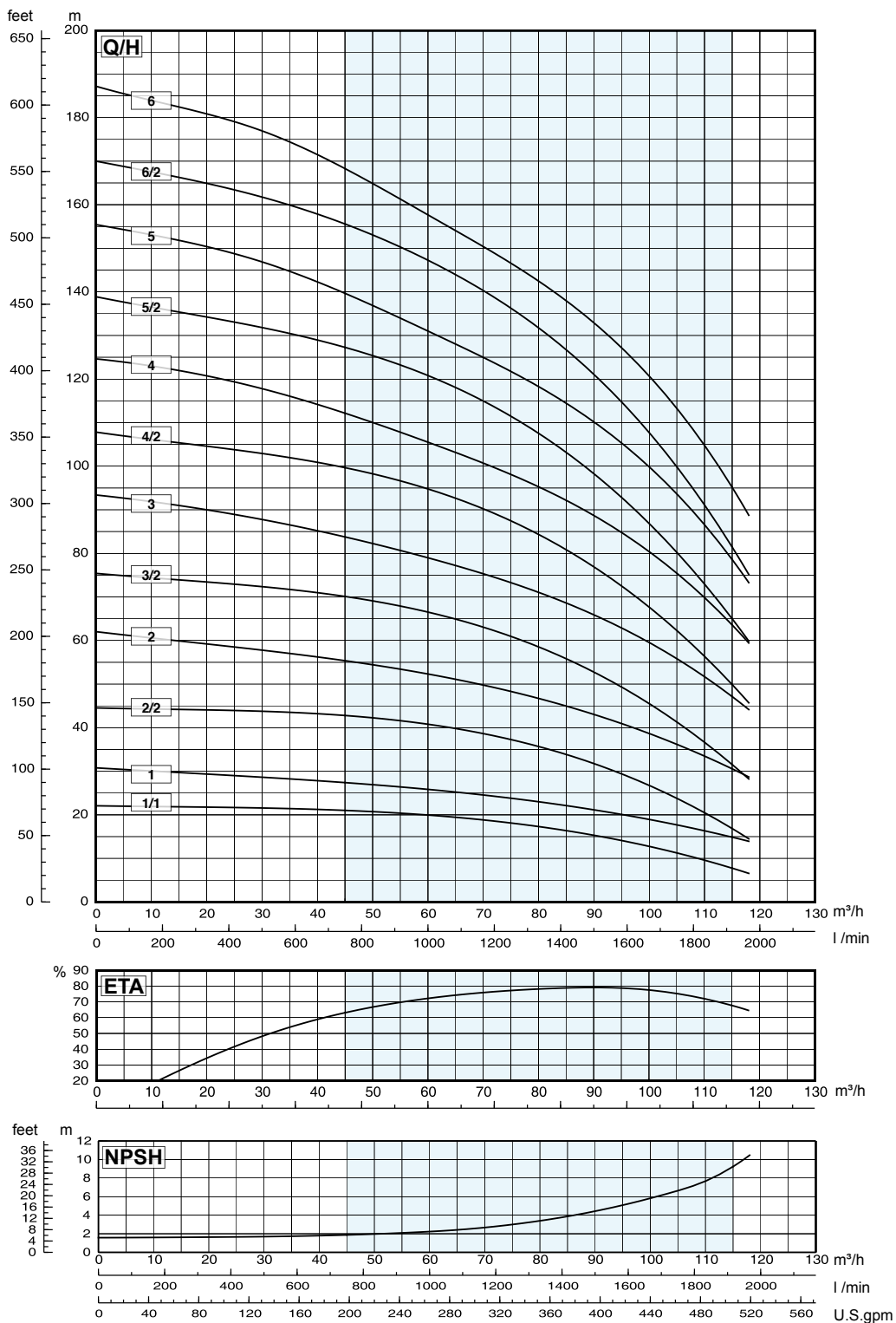


Type	Motor		Dimensions [mm]						Weight [kg]	
	kW	Size	L1	L1+L2	L2	D1	D2	M	Pump	Unit
HP 100-145.1/1/1	4	112	550,1	856,1	306	196	170	145	61	83,8
HP 100-145.1/1	5,5	132	737,1	1065,1	328	225	300	161	81	115
HP 100-145.1/2/2	7,5	132	829,2	1179,2	350	225	300	161	85,5	121,5
HP 100-145.1/2/1	11	160	849,2	1274,2	425	248	350	198	88,5	146,5
HP 100-145.1/2	11	160	849,2	1274,2	425	248	350	198	88,5	146,5
HP 100-145.1/3/2	15	160	941,3	1417,3	476	248	350	198	93	157
HP 100-145.1/3/1	15	160	941,3	1417,3	476	248	350	198	93	157
HP 100-145.1/3	18,5	160	941,3	1483,3	542	317	350	235	93	181,9
HP 100-145.1/4/2	18,5	160	1033,4	1575,4	542	317	350	235	97,5	186,4
HP 100-145.1/4/1	22	180	1033,4	1575,4	542	317	350	238	98	206,7
HP 100-145.1/4	22	180	1033,4	1575,4	542	317	350	238	98	206,7
HP 100-145.1/5/2	30	200	1130,5	1788,5	658	399	400	300	105,5	333,5
HP 100-145.1/5/1	30	200	1130,5	1788,5	658	399	400	300	105,5	333,5
HP 100-145.1/5	30	200	1130,5	1788,5	658	399	400	300	105,5	333,5
HP 100-145.1/6/2	30	200	1222,6	1880,6	658	399	400	300	110	338
HP 100-145.1/6/1	37	200	1222,6	1880,6	658	399	400	300	110	352
HP 100-145.1/6	37	200	1222,6	1880,6	658	399	400	300	110	352
HP 100-145.1/7/2	37	200	1314,7	1972,7	658	399	400	300	114,5	356,5
HP 100-145.1/7/1	37	200	1314,7	1972,7	658	399	400	300	114,5	356,5
HP 100-145.1/7	45	225	1314,7	2013,7	699	465	450	335	117,5	425,5
HP 100-145.1/8/2	45	225	1406,8	2105,8	699	465	450	335	122	430
HP 100-145.1/8/1	45	225	1406,8	2105,8	699	465	450	335	122	430
HP 100-145.1/8	45	225	1406,8	2105,8	699	465	450	335	122	430

Performance curve

Type HP 100-145.2

Speed 2900 rpm

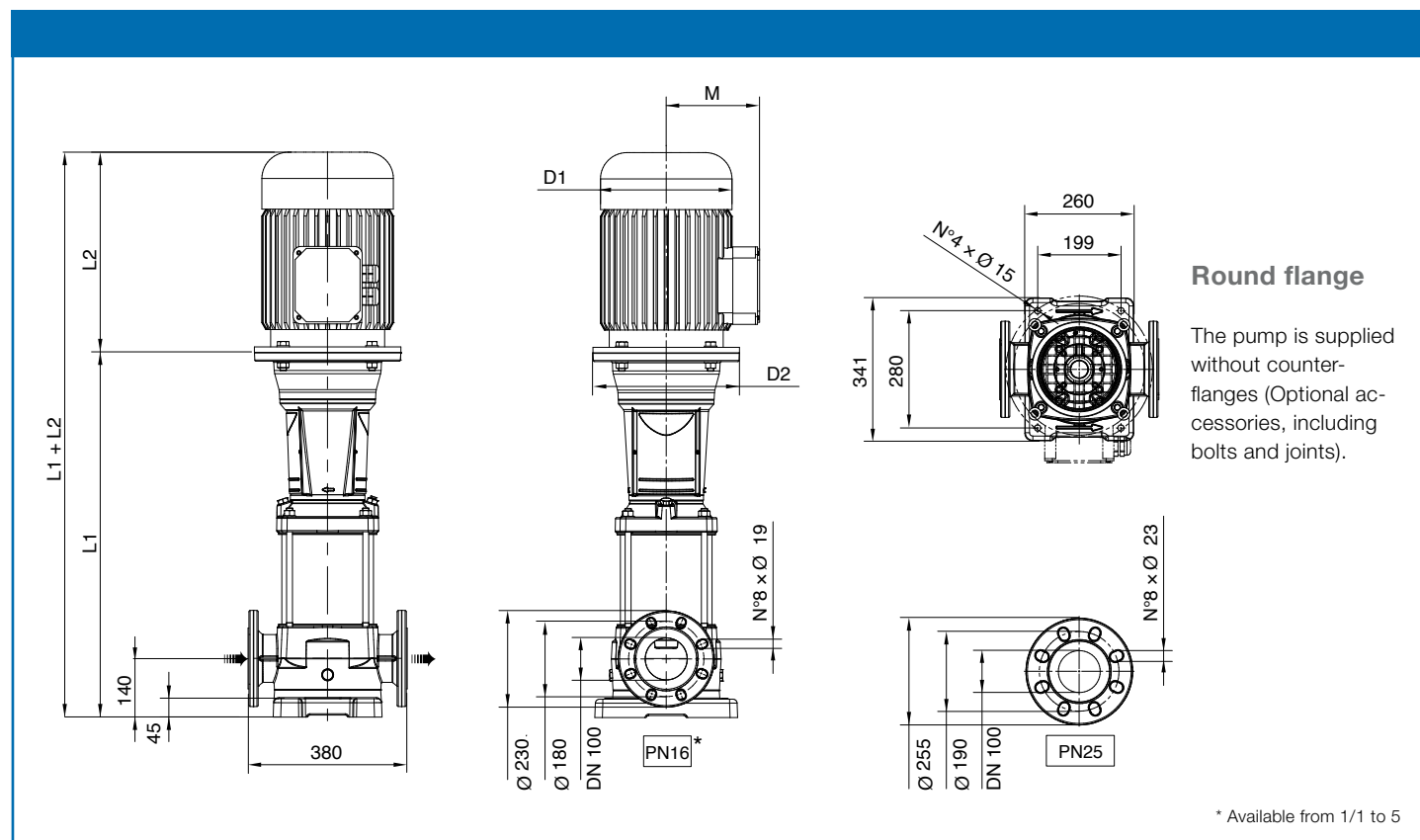


MEI ≥ 0,70

Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 100-145.2



Round flange

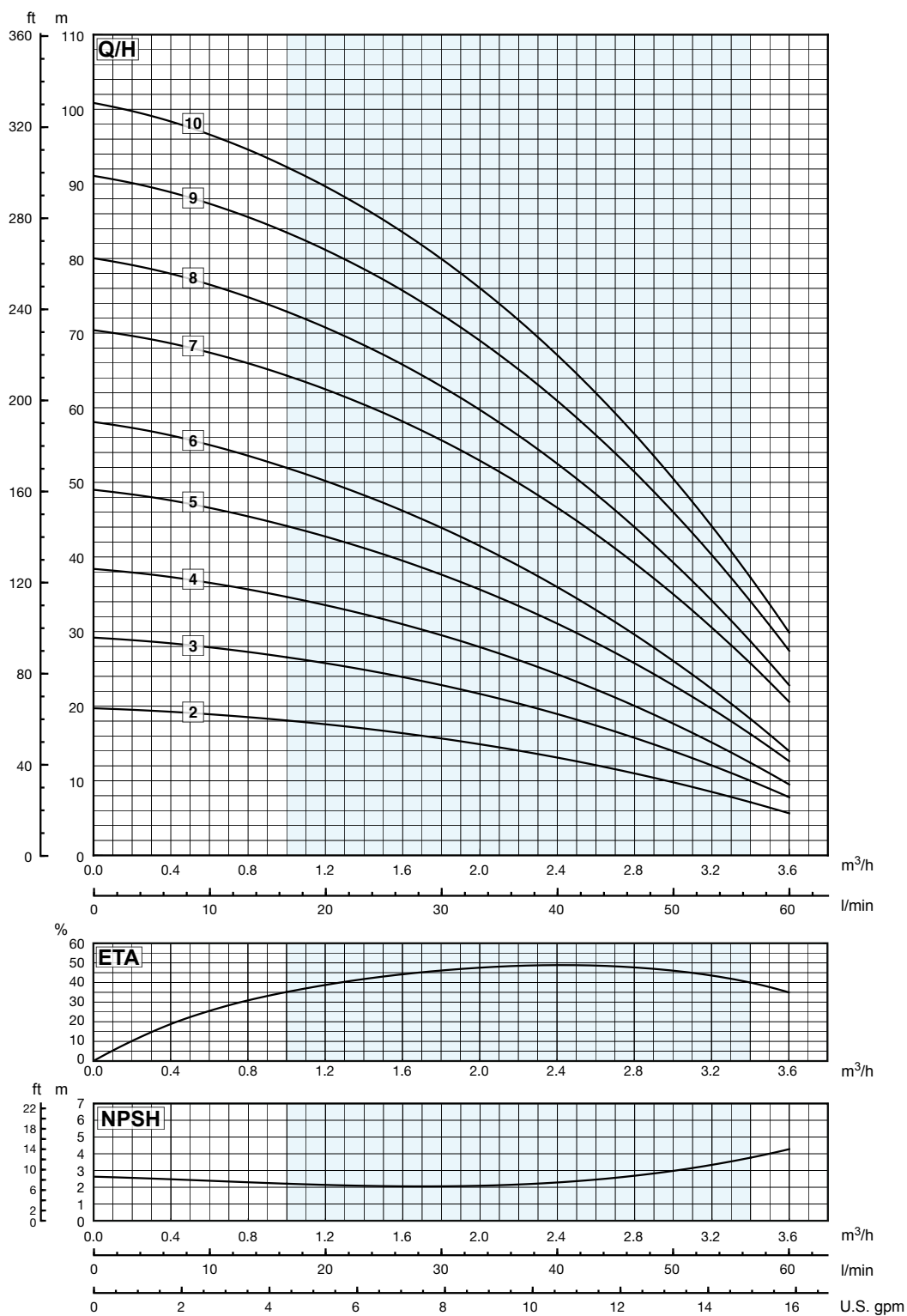
The pump is supplied without counter-flanges (Optional accessories, including bolts and joints).

Type	Motor		Dimensions [mm]						Weight [kg]	
	kW	Size	L1	L1+L2	L2	D1	D2	M	Pump	Unit
HP 100-145.2/1/1	5,5	132	737,1	1065,1	328	225	300	161	82,5	116,5
HP 100-145.2/1	7,5	132	737,1	1087,1	350	225	300	161	82,5	118,5
HP 100-145.2/2/2	11	160	849,2	1274,2	425	248	350	198	89	147
HP 100-145.2/2	15	160	849,2	1325,2	476	248	350	198	89	153
HP 100-145.2/3/2	18,5	160	941,3	1483,3	542	317	350	235	93	181,9
HP 100-145.2/3	22	180	941,3	1483,3	542	317	350	238	93	201,7
HP 100-145.2/4/2	30	200	1038,4	1696,4	658	399	400	300	100	328
HP 100-145.2/4	30	200	1038,4	1696,4	658	399	400	300	100	328
HP 100-145.2/5/2	37	200	1130,5	1788,5	658	399	400	300	104	346
HP 100-145.2/5	37	200	1130,5	1788,5	658	399	400	300	104	346
HP 100-145.2/6/2	45	225	1222,6	1921,6	699	465	450	335	110,5	418,5
HP 100-145.2/6	45	225	1222,6	1921,6	699	465	450	335	110,5	418,5

Performance curve

Type HP 25-80.1

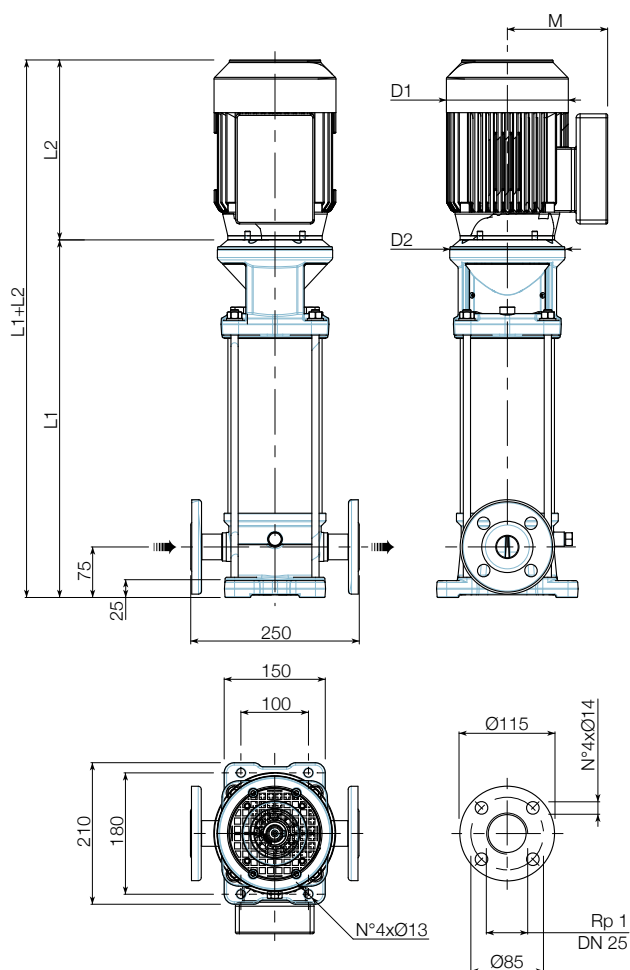
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 25-80.1



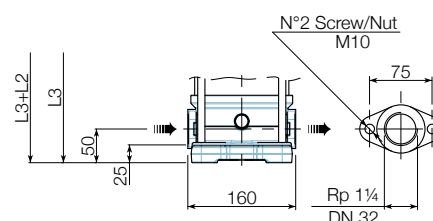
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 15 stages

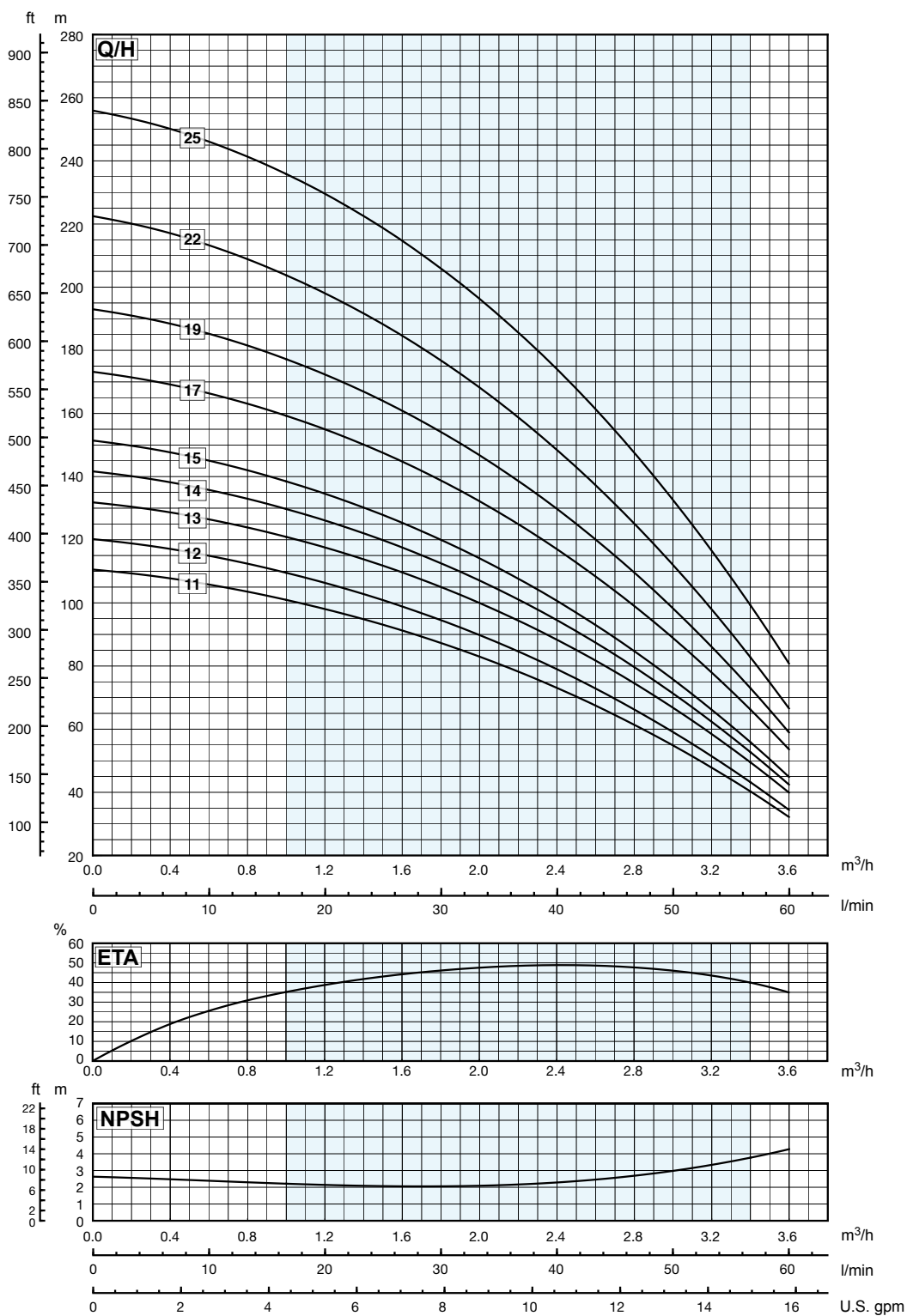


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L ₂	D ₁	D ₂	M	Pump	Unit
			L ₁	L ₁ +L ₂	L ₃	L ₃ +L ₂						
HP 25-80.1/2	0,37	71	312,5	527,5	287,5	502,5	215	142	170	112	15	20,8
HP 25-80.1/3	0,37	71	335	550	310	525	215	142	170	112	15	20,8
HP 25-80.1/4	0,37	71	357,5	572,5	332,5	547,5	215	142	170	112	15,5	21,3
HP 25-80.1/5	0,55	71	380	595	355	570	215	142	170	112	16	22,2
HP 25-80.1/6	0,55	71	402,5	617,5	377,5	592,5	215	142	170	112	16,5	22,7
HP 25-80.1/7	0,75	80	425	657	400	632	232	160	170	129	17	26,5
HP 25-80.1/8	0,75	80	447,5	679,5	422,5	654,5	232	160	170	129	17,5	27
HP 25-80.1/9	1,1	80	470	702	445	677	232	160	170	129	18	29,1
HP 25-80.1/10	1,1	80	492,5	724,5	467,5	699,5	232	160	170	129	18,5	29,6

Performance curve

Type HP 25-80.1

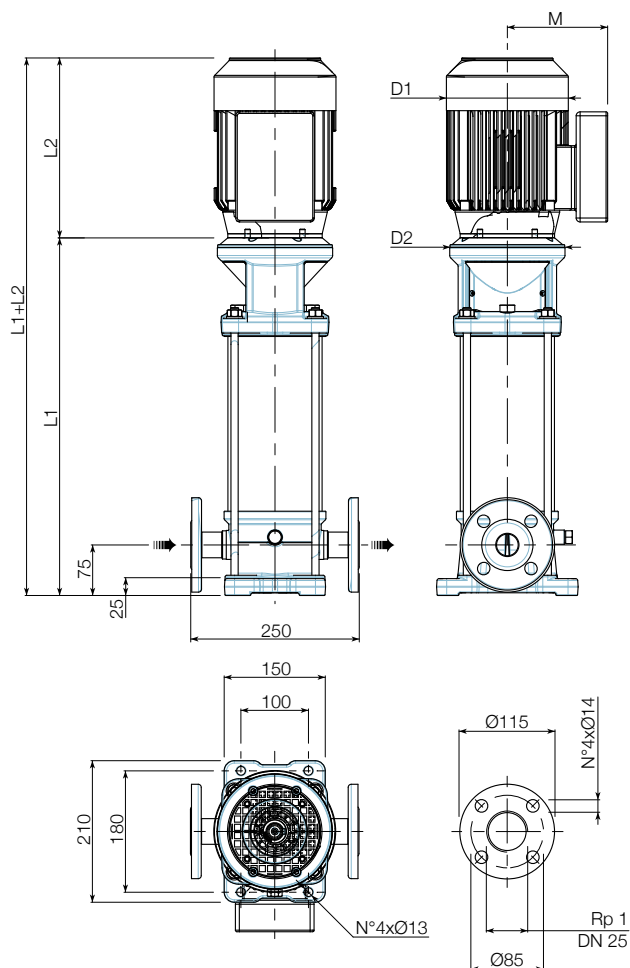
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 25-80.1



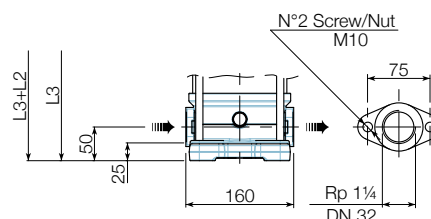
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 15 stages

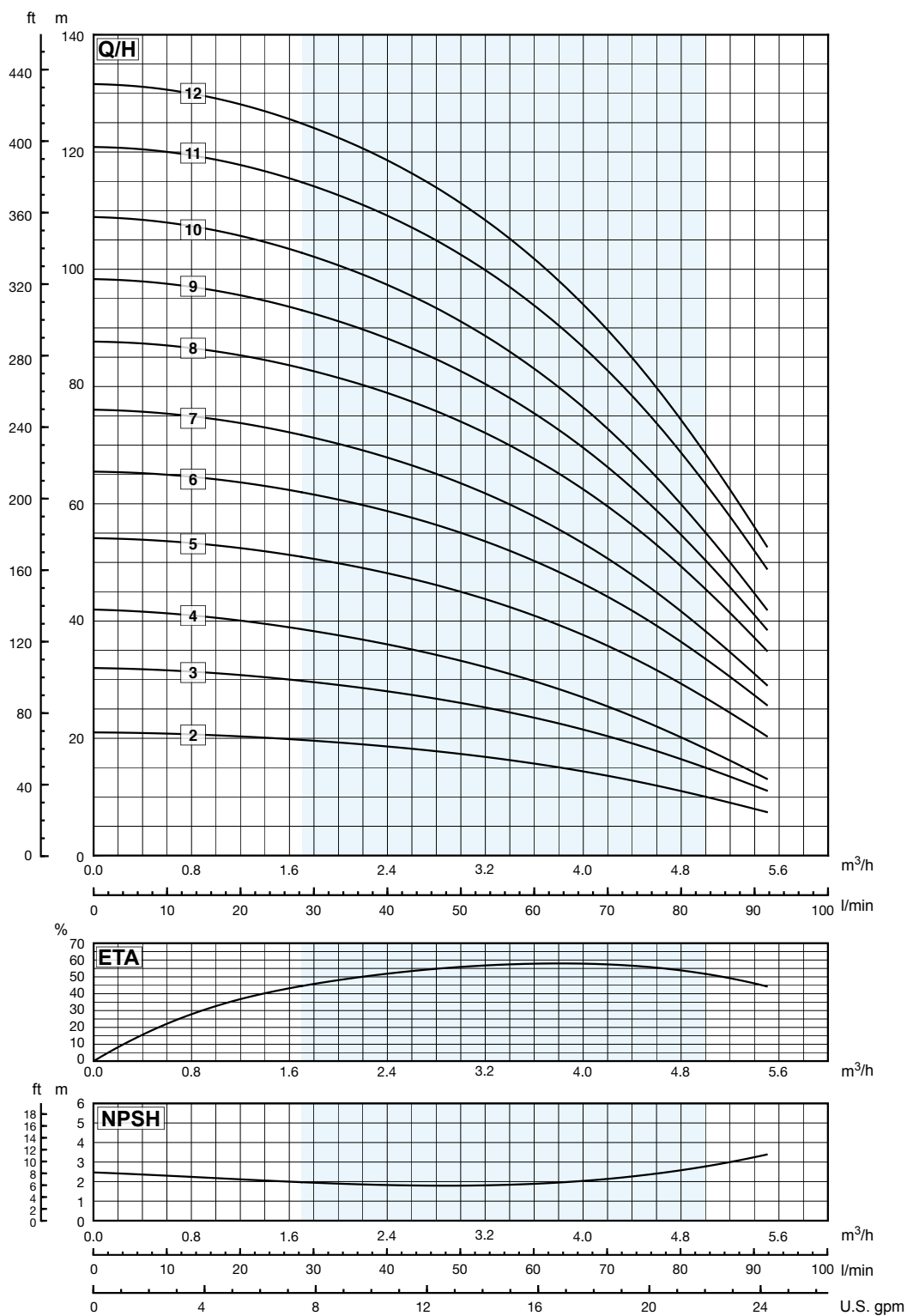


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L_2	D_1	D_2	M	Pump	Unit
L_1	L_1+L_2	L_3	L_3+L_2									
HP 25-80.1/11	1,1	80	515	747	490	722	232	160	170	129	19	30,1
HP 25-80.1/12	1,1	80	537,5	769,5	512,5	744,5	232	160	170	129	19,5	30,6
HP 25-80.1/13	1,5	90	570	837	545	812	267	180	170	138	20,5	34,5
HP 25-80.1/14	1,5	90	592,5	859,5	567,5	834,5	267	180	170	138	21	35
HP 25-80.1/15	1,5	90	615	882	590	857	267	180	170	138	21,5	35,5
HP 25-80.1/17	2,2	90	660	927	-	-	267	180	170	138	22	38
HP 25-80.1/19	2,2	90	705	972	-	-	267	180	170	138	23	39
HP 25-80.1/22	2,2	90	772,5	1039,5	-	-	267	180	170	138	24,5	40,5
HP 25-80.1/25	3	100	850	1156	-	-	306	196	170	145	26,5	49,3

Performance curve

Type HP 25-80.2

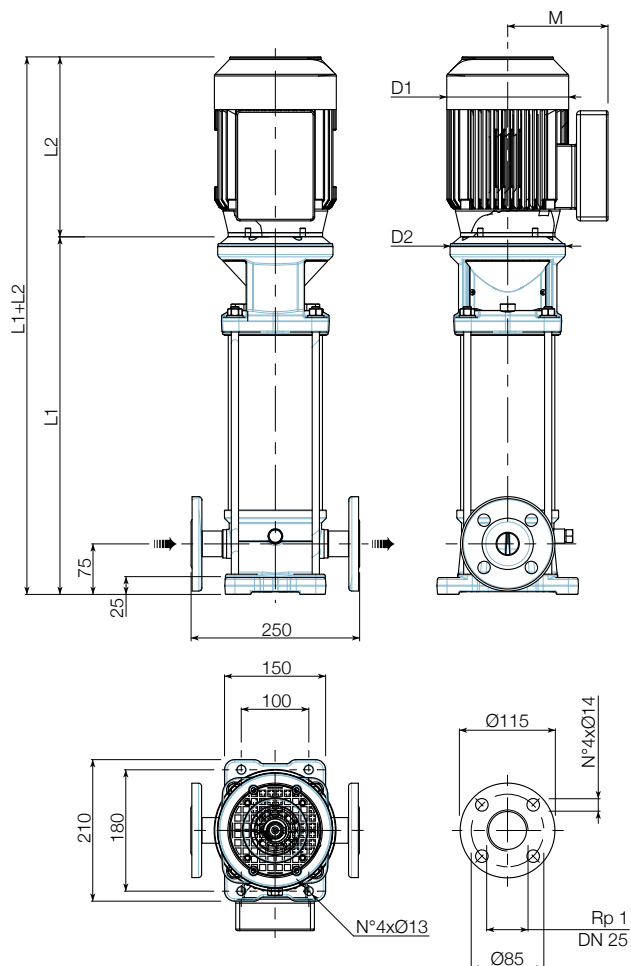
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 25-80.2



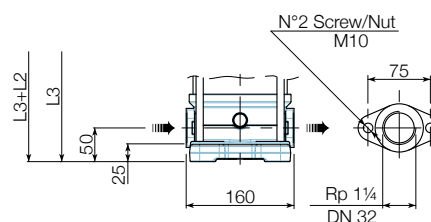
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 14 stages

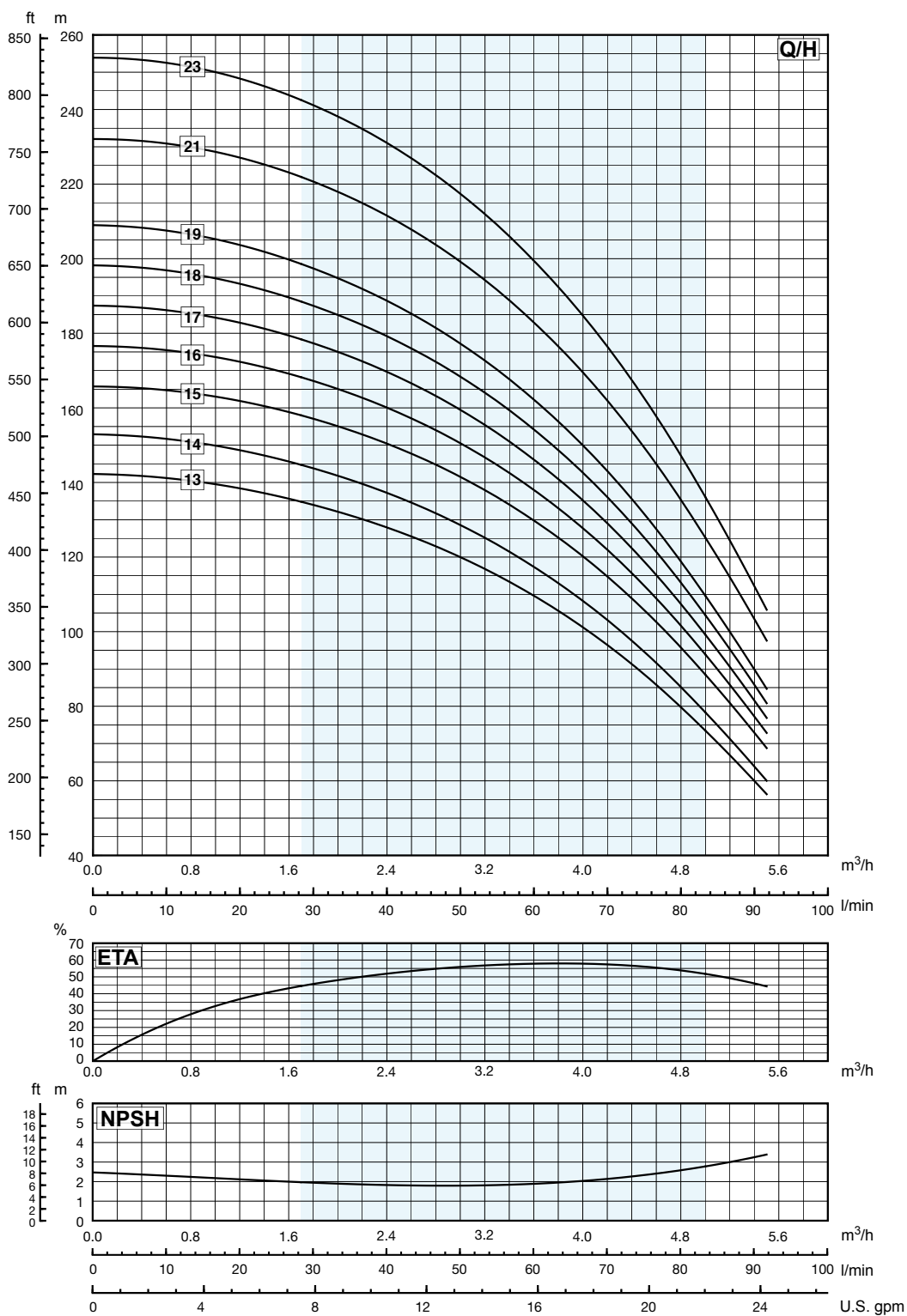


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 25-80.2/2	0,37	71	312,5	528,5	287,5	503,5	216	142	170	112	15	20,8
HP 25-80.2/3	0,55	71	335	551	310	526	216	142	170	112	15	21,2
HP 25-80.2/4	0,55	71	357,5	573,5	332,5	548,5	216	142	170	112	15,5	21,7
HP 25-80.2/5	0,75	80	380	612	355	587	232	160	170	129	16	25,5
HP 25-80.2/6	1,1	80	402,5	634,5	377,5	609,5	232	160	170	129	16,5	27,6
HP 25-80.2/7	1,1	80	425	657	400	632	232	160	170	129	17	28,1
HP 25-80.2/8	1,5	90	457,5	724,5	432,5	699,5	267	180	170	138	18	32
HP 25-80.2/9	1,5	90	480	747	455	722	267	180	170	138	18,5	32,5
HP 25-80.2/10	1,5	90	502,5	769,5	477,5	744,5	267	180	170	138	19	33
HP 25-80.2/11	2,2	90	525	792	500	767	267	180	170	138	19,5	35,5
HP 25-80.2/12	2,2	90	547,5	814,5	522,5	789,5	267	180	170	138	20	36

Performance curve

Type HP 25-80.2

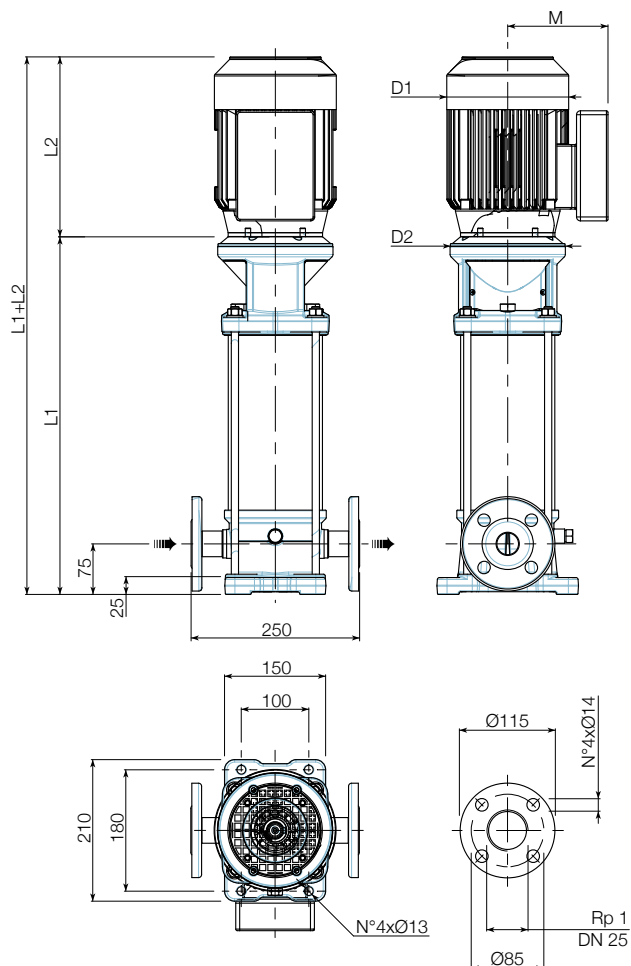
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 25-80.2



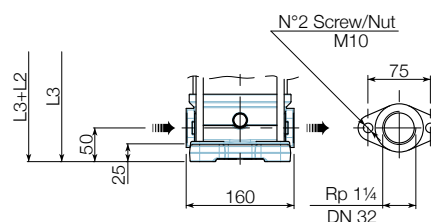
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 14 stages

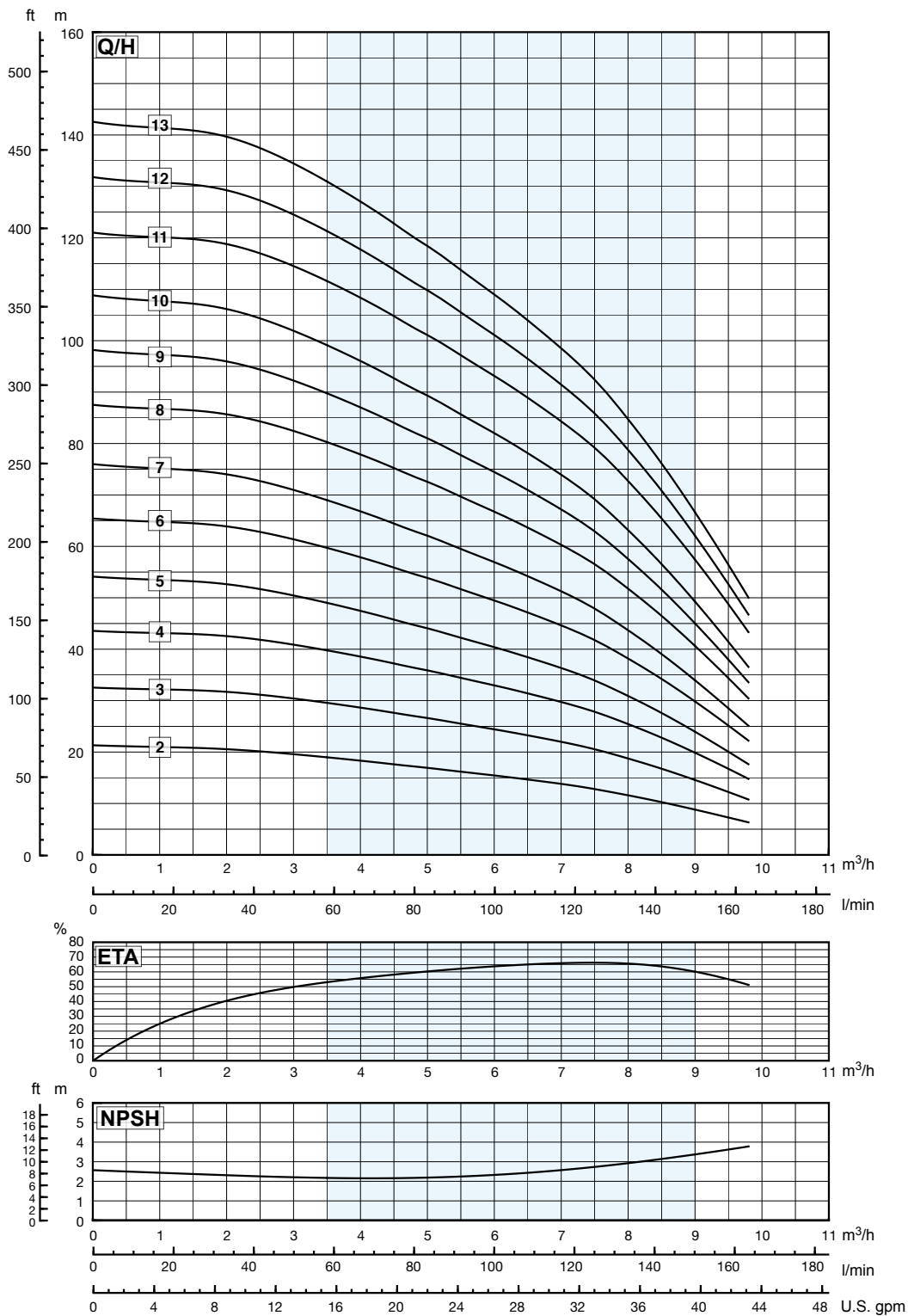


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 25-80.2/13	2,2	90	570	837	545	812	267	180	170	138	20,5	36,5
HP 25-80.2/14	2,2	90	592,5	859,5	567,5	834,5	267	180	170	138	21	37
HP 25-80.2/15	2,2	90	615	882	-	-	267	180	170	138	21,5	37,5
HP 25-80.2/16	3	100	647,5	953,5	-	-	306	196	170	145	22,5	45,3
HP 25-80.2/17	3	100	670	976	-	-	306	196	170	145	23	45,8
HP 25-80.2/18	3	100	692,5	998,5	-	-	306	196	170	145	23,5	46,3
HP 25-80.2/19	3	100	715	1021	-	-	306	196	170	145	24	46,8
HP 25-80.2/21	4	112	760	1066	-	-	306	196	170	145	25	51,5
HP 25-80.2/23	4	112	805	1111	-	-	306	196	170	145	25,5	52

Performance curve

Type HP 32-80.1

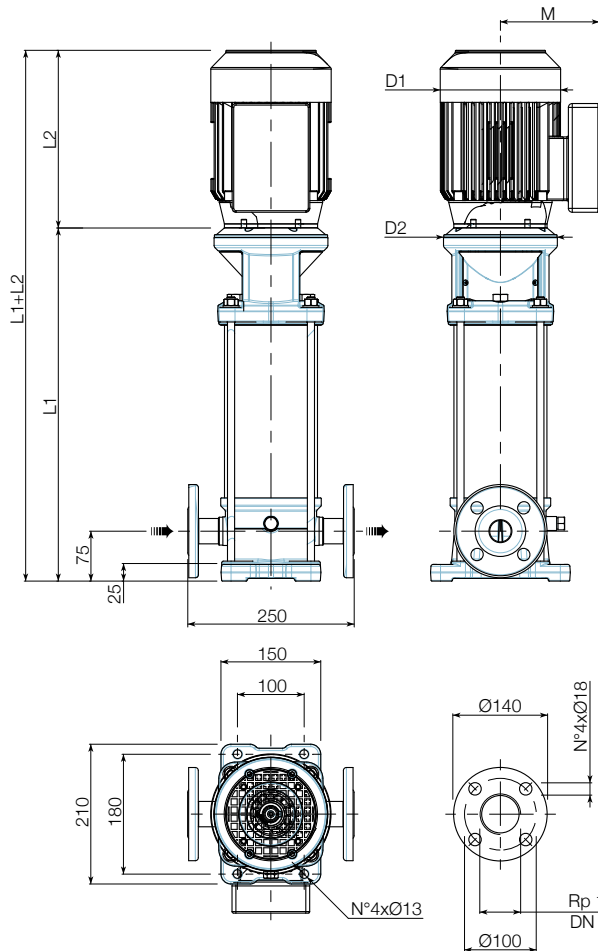
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 32-80.1



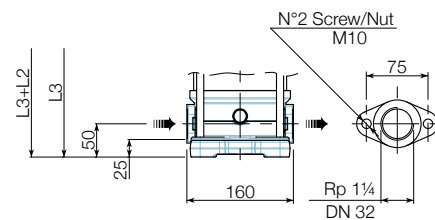
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 14 stages

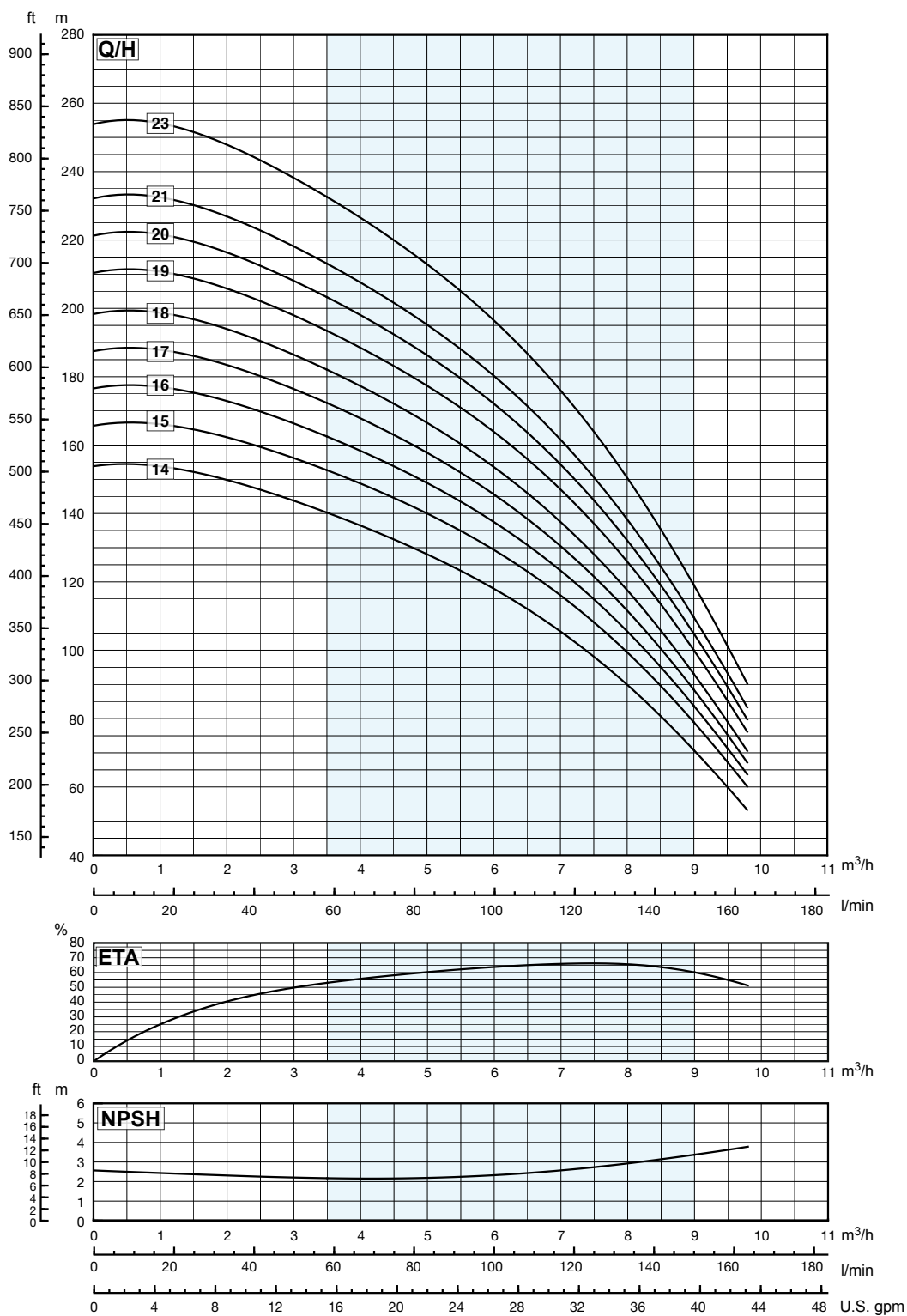


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 32-80.1/2	0,55	71	319,5	535,5	294,5	510,5	216	142	170	112	15	21,2
HP 32-80.1/3	0,75	80	345,5	577,5	320,5	552,5	232	160	170	129	15,5	25
HP 32-80.1/4	1,1	80	371,5	603,5	346,5	578,5	232	160	170	129	16	27,1
HP 32-80.1/5	1,1	80	397,5	629,5	372,5	604,5	232	160	170	129	16,5	27,6
HP 32-80.1/6	1,5	90	433,5	700,5	408,5	675,5	267	180	170	138	17,5	31,5
HP 32-80.1/7	1,5	90	459,5	726,5	434,5	701,5	267	180	170	138	18,5	32,5
HP 32-80.1/8	2,2	90	485,5	752,5	460,5	727,5	267	180	170	138	19	35
HP 32-80.1/9	2,2	90	511,5	778,5	486,5	753,5	267	180	170	138	19,5	35,5
HP 32-80.1/10	2,2	90	537,5	804,5	512,5	779,5	267	180	170	138	20	36
HP 32-80.1/11	3	100	573,5	879,5	548,5	854,5	306	196	170	145	21	43,8
HP 32-80.1/12	3	100	599,5	905,5	574,5	880,5	306	196	170	145	21,5	44,3
HP 32-80.1/13	3	100	625,5	931,5	600,5	906,5	306	196	170	145	22	44,8

Performance curve

Type HP 32-80.1

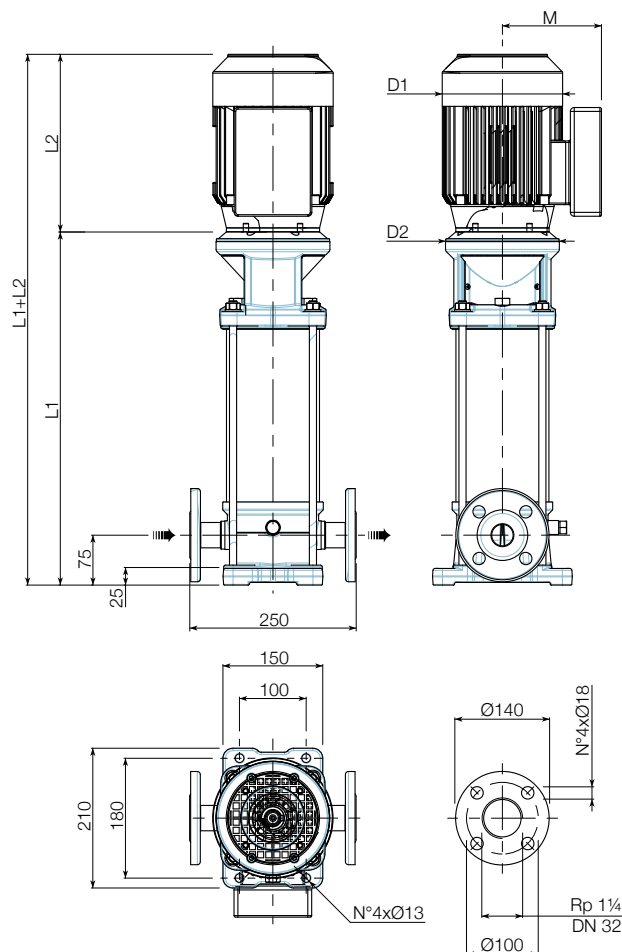
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 32-80.1



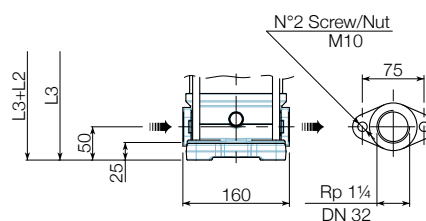
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 14 stages

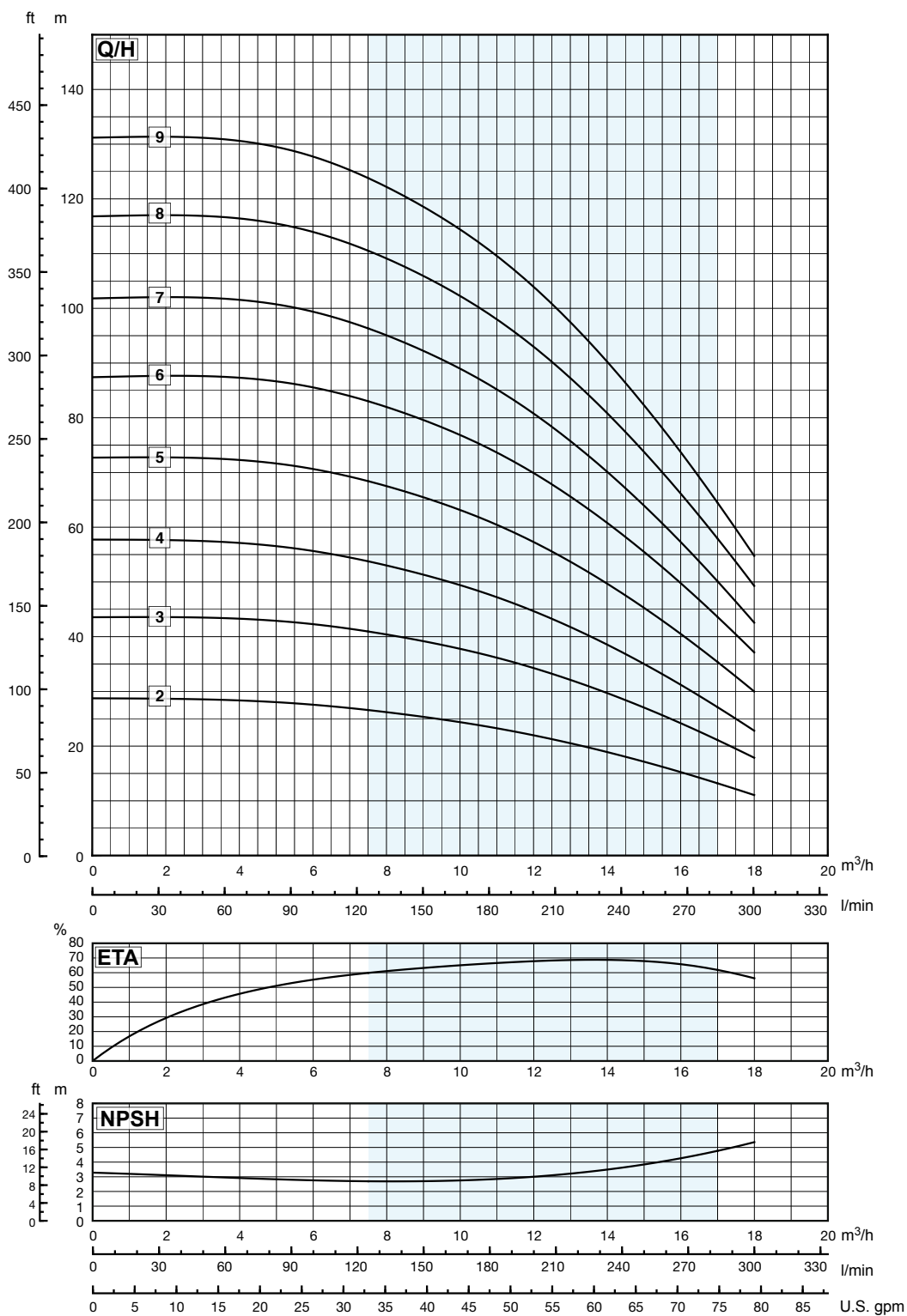


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 32-80.1/14	3	100	651,5	957,5	626,5	932,5	306	196	170	145	22,5	45,3
HP 32-80.1/15	4	112	677,5	983,5	-	-	306	196	170	145	23	49,5
HP 32-80.1/16	4	112	703,5	1009,5	-	-	306	196	170	145	23,5	50
HP 32-80.1/17	4	112	729,5	1035,5	-	-	306	196	170	145	24	50,5
HP 32-80.1/18	4	112	755,5	1061,5	-	-	306	196	170	145	24,5	51
HP 32-80.1/19	5,5	132	957	1285	-	-	328	225	300	160	44,5	78,1
HP 32-80.1/20	5,5	132	983	1311	-	-	328	225	300	160	45	78,6
HP 32-80.1/21	5,5	132	1009	1337	-	-	328	225	300	160	45,5	79,1
HP 32-80.1/23	5,5	132	1061	1389	-	-	328	225	300	160	46,5	80,1

Performance curve

Type HP 40-95.1

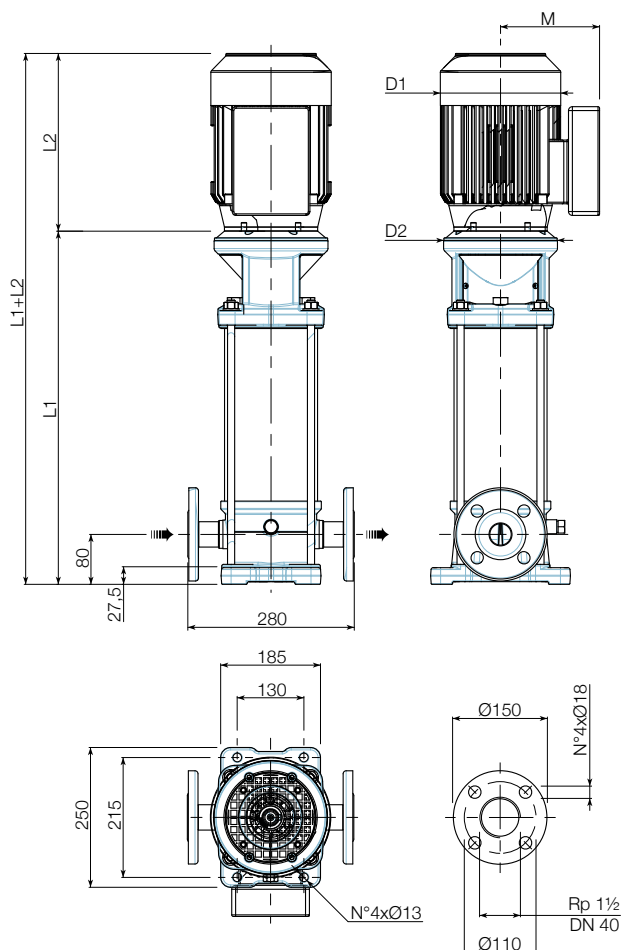
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 40-95.1



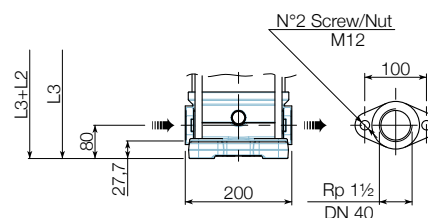
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from
2 to 10 stages

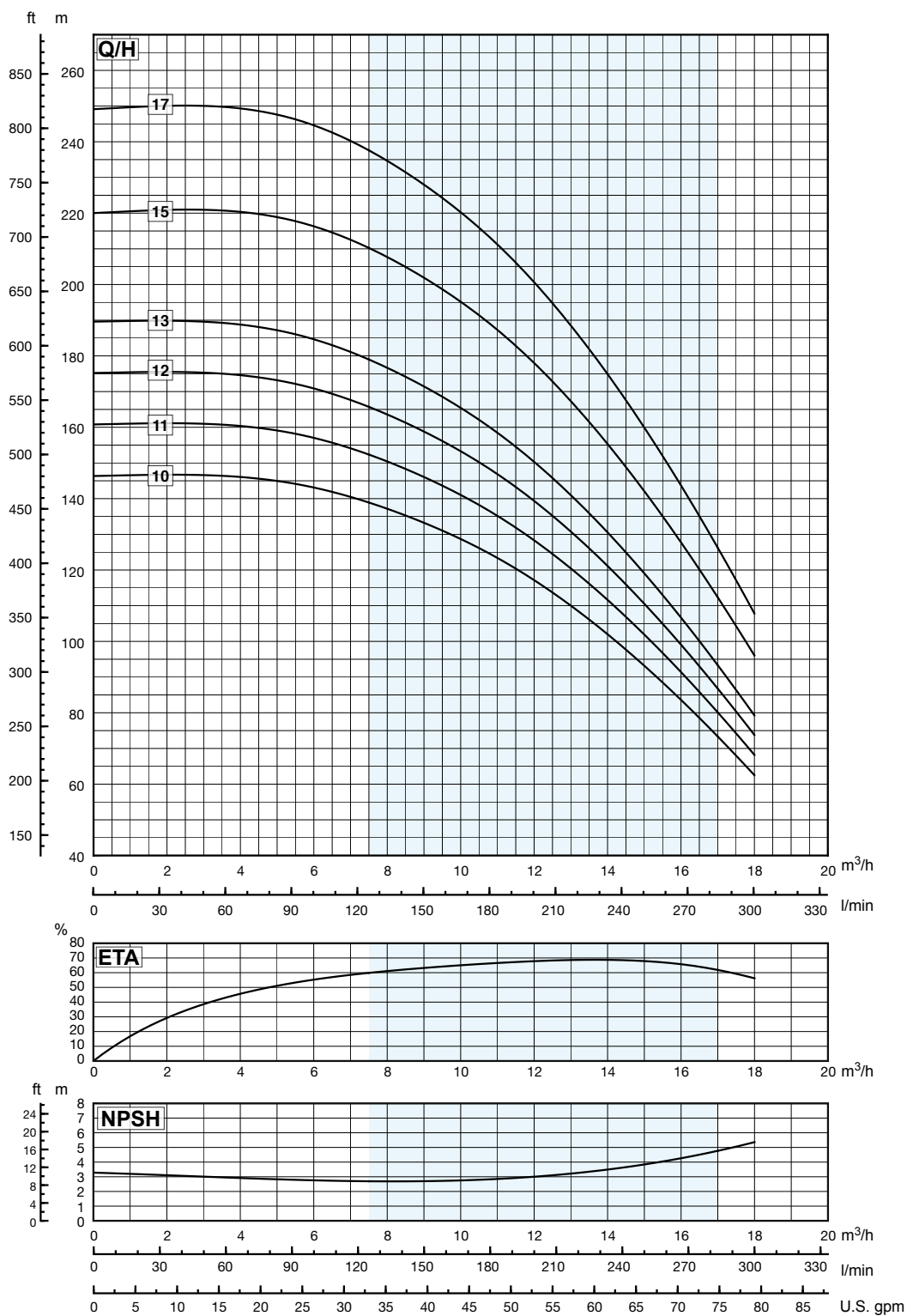


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 40-95.1/2	1,1	80	347,5	579,5	347,5	579,5	232	160	170	129	17,5	28,6
HP 40-95.1/3	2,2	90	387,5	654,5	387,5	654,5	267	180	170	138	18,5	34,5
HP 40-95.1/4	2,2	90	417,5	684,5	417,5	684,5	267	180	170	138	19,5	35,5
HP 40-95.1/5	3	100	457,5	763,5	457,5	763,5	306	196	170	145	20,5	43,3
HP 40-95.1/6	4	112	487,5	793,5	487,5	793,5	306	196	170	145	21	47,5
HP 40-95.1/7	4	112	517,5	823,5	517,5	823,5	306	196	170	145	22	48,5
HP 40-95.1/8	5,5	132	723	1051	723	1051	328	225	300	160	42	75,6
HP 40-95.1/9	5,5	132	753	1081	753	1081	328	225	300	160	42,5	76,1

Performance curve

Type HP 40-95.1

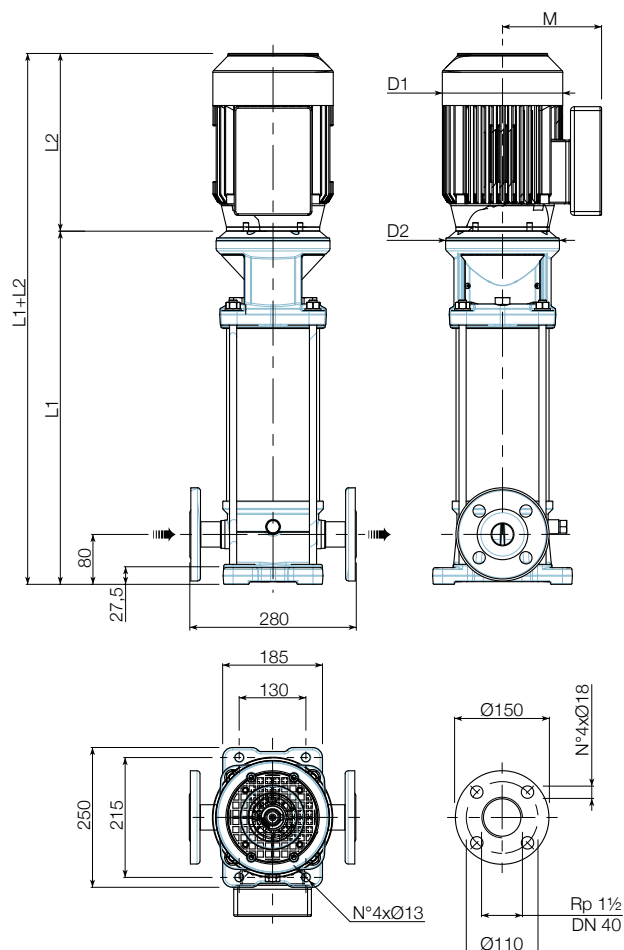
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 40-95.1



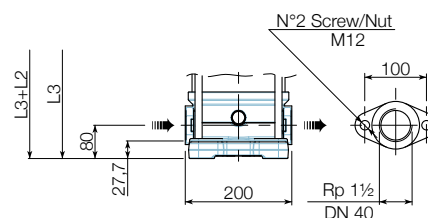
Round flange

Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints).

Available from 2 to 10 stages

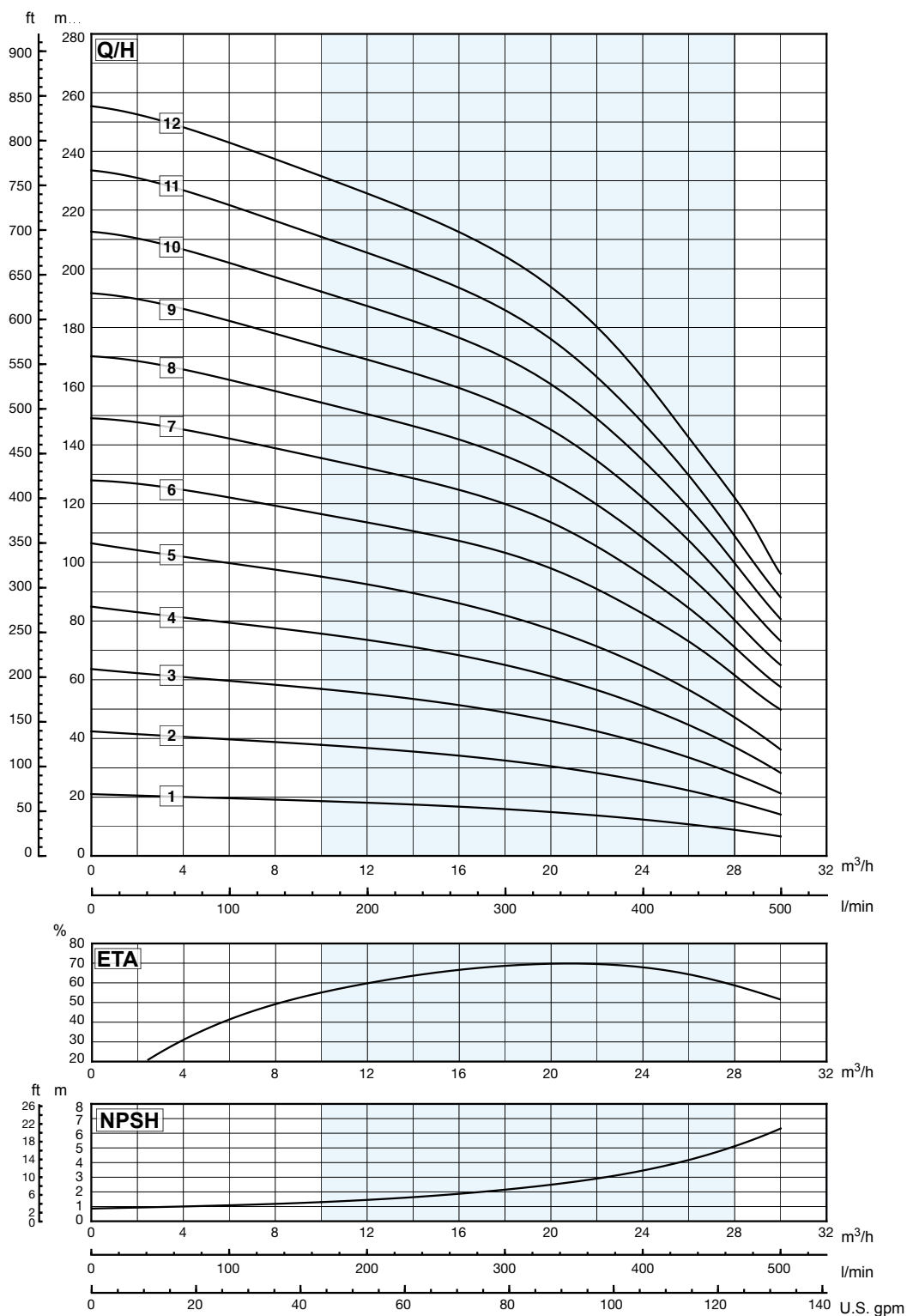


Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 40-95.1/10	7,5	132	783	1111	783	1111	328	225	300	160	43,5	77,1
HP 40-95.1/11	7,5	132	813	1163	-	-	350	225	300	160	44	80
HP 40-95.1/12	7,5	132	843	1193	-	-	350	225	300	160	44,5	80,5
HP 40-95.1/13	7,5	132	873	1223	-	-	350	225	300	160	45,5	81,5
HP 40-95.1/15	11	160	953	1378	-	-	425	248	350	194	49	111
HP 40-95.1/17	11	160	1013	1438	-	-	425	248	350	194	50,5	112,5

Performance curve

Type HP 50-110.1

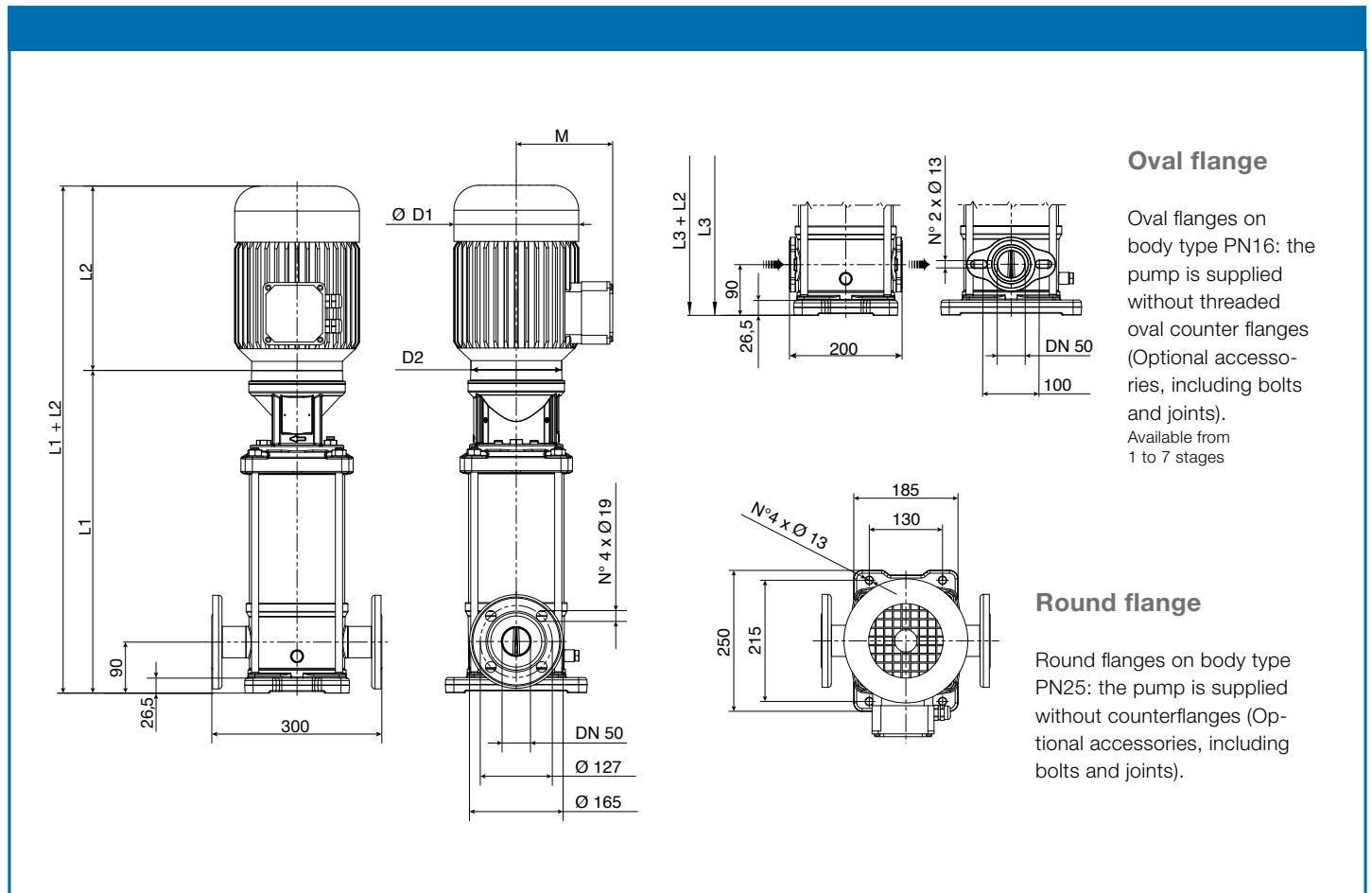
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 50-110.1



Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints). Available from 1 to 7 stages

Round flange

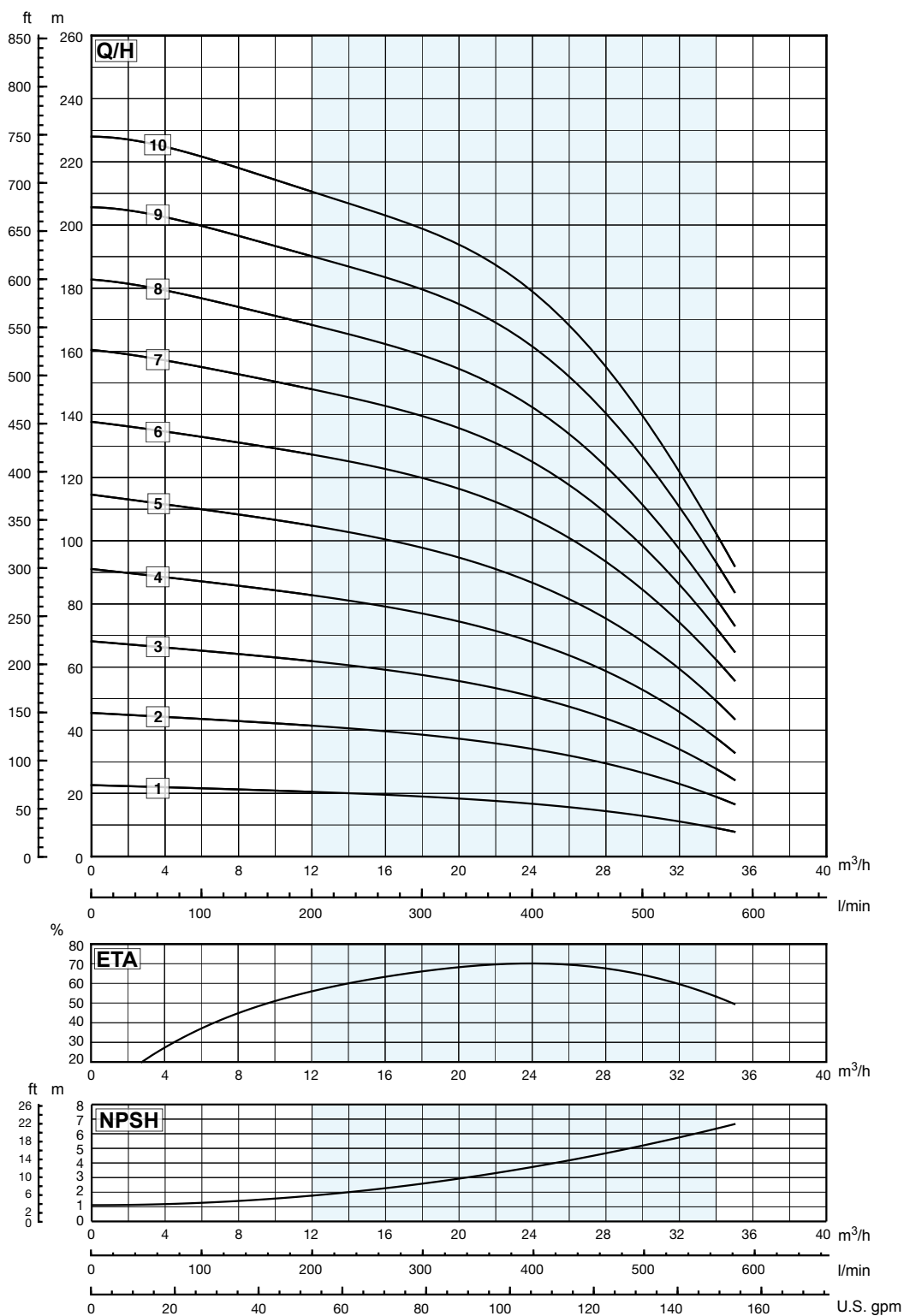
Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 50-110.1/1	1,5	90	415	682	415	682	267	180	170	138	24	38,0
HP 50-110.1/2	3	100	425	715	425	715	290	180	170	138	26	44
HP 50-110.1/3	4	112	473	779	473	779	306	196	170	145	27	49,8
HP 50-110.1/4	5,5	132	707,9	1035,9	707,9	1035,9	328	225	300	161	49	83
HP 50-110.1/5	7,5	132	755,9	1105,9	755,9	1105,9	350	225	300	161	50,5	86,5
HP 50-110.1/6	11	160	823,9	1248,9	823,9	1248,9	425	248	350	198	54,5	112,5
HP 50-110.1/7	11	160	871,9	1296,9	871,9	1296,9	425	248	350	198	56	114
HP 50-110.1/8	11	160	919,9	1344,9	-	-	425	248	350	198	57,5	115,5
HP 50-110.1/9	15	160	967,9	1443,9	-	-	476	248	350	198	59	123
HP 50-110.1/10	15	160	1015,9	1491,9	-	-	476	248	350	198	60,5	124,5
HP 50-110.1/11	15	160	1063,9	1539,9	-	-	476	248	350	198	61,5	125,5
HP 50-110.1/12	18,5	160	1111,9	1653,9	-	-	542	317	350	238	63	161

Performance curve

Type HP 50-110.2

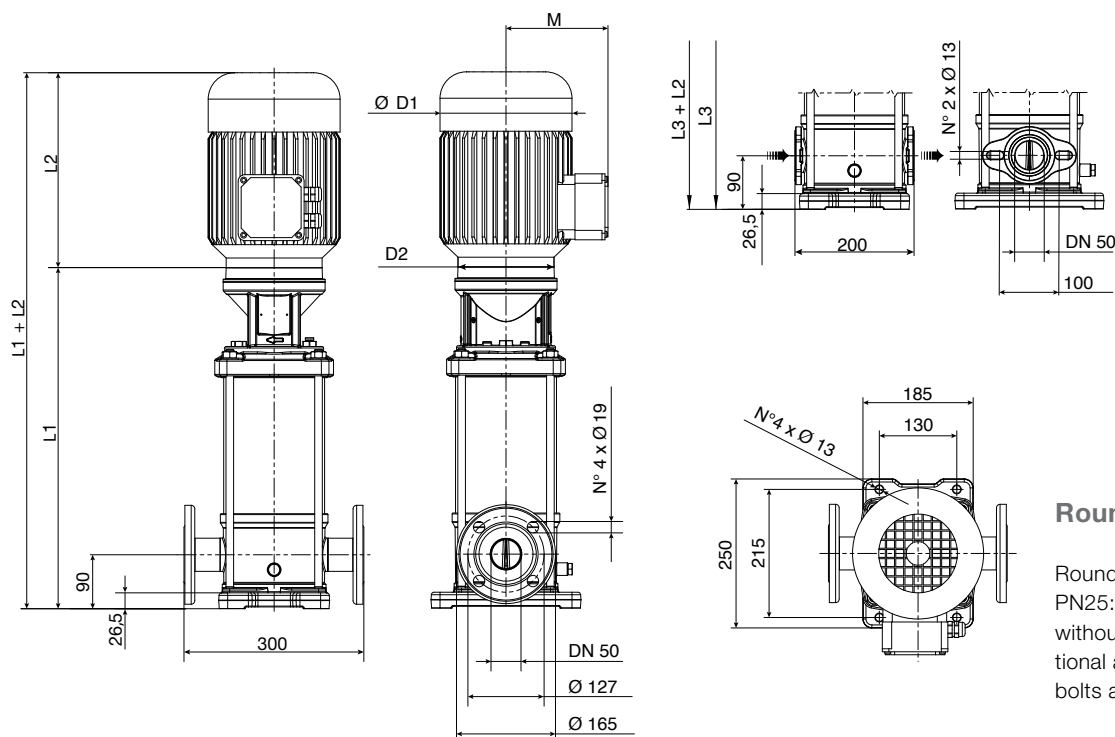
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 50-110.2



Oval flange

Oval flanges on body type PN16: the pump is supplied without threaded oval counter flanges (Optional accessories, including bolts and joints). Available from 1 to 7 stages

Round flange

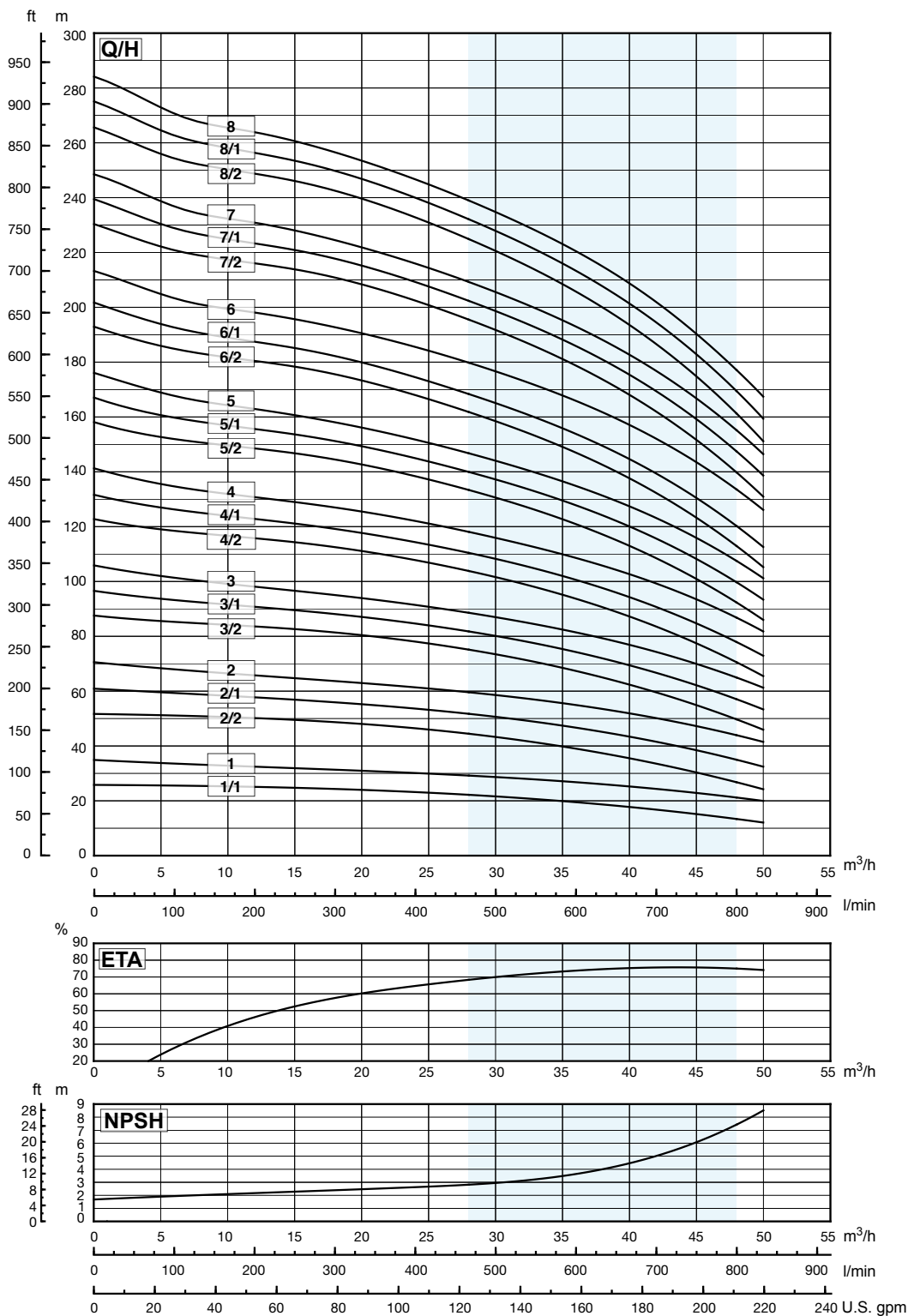
Round flanges on body type PN25: the pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Type	Motor		Dimensions [mm]								Weight [kg]	
	kW	Size	Round flange		Oval flange		L2	D1	D2	M	Pump	Unit
			L1	L1+L2	L3	L3+L2						
HP 50-110.2/1	2,2	90	415	682	415	682	267	180	170	138	24	40,0
HP 50-110.2/2	4	112	425	731	425	731	306	196	170	145	26	48,8
HP 50-110.2/3	5,5	132	659,9	987,9	659,9	987,9	328	225	300	161	47,5	81,5
HP 50-110.2/4	7,5	132	707,9	1057,9	707,9	1057,9	350	225	300	161	49	85
HP 50-110.2/5	11	160	775,9	1200,9	775,9	1200,9	425	248	350	198	53	111
HP 50-110.2/6	11	160	823,9	1248,9	823,9	1248,9	425	248	350	198	54,5	112,5
HP 50-110.2/7	15	160	871,9	1347,9	871,9	1347,9	476	248	350	198	56	120
HP 50-110.2/8	15	160	919,9	1395,9	-	-	476	248	350	198	57,5	121,5
HP 50-110.2/9	18,5	160	967,9	1509,9	-	-	542	317	350	238	59	157
HP 50-110.2/10	18,5	160	1015,9	1557,9	-	-	542	317	350	238	60,5	158,5

Performance curve

Type HP 65-135.1

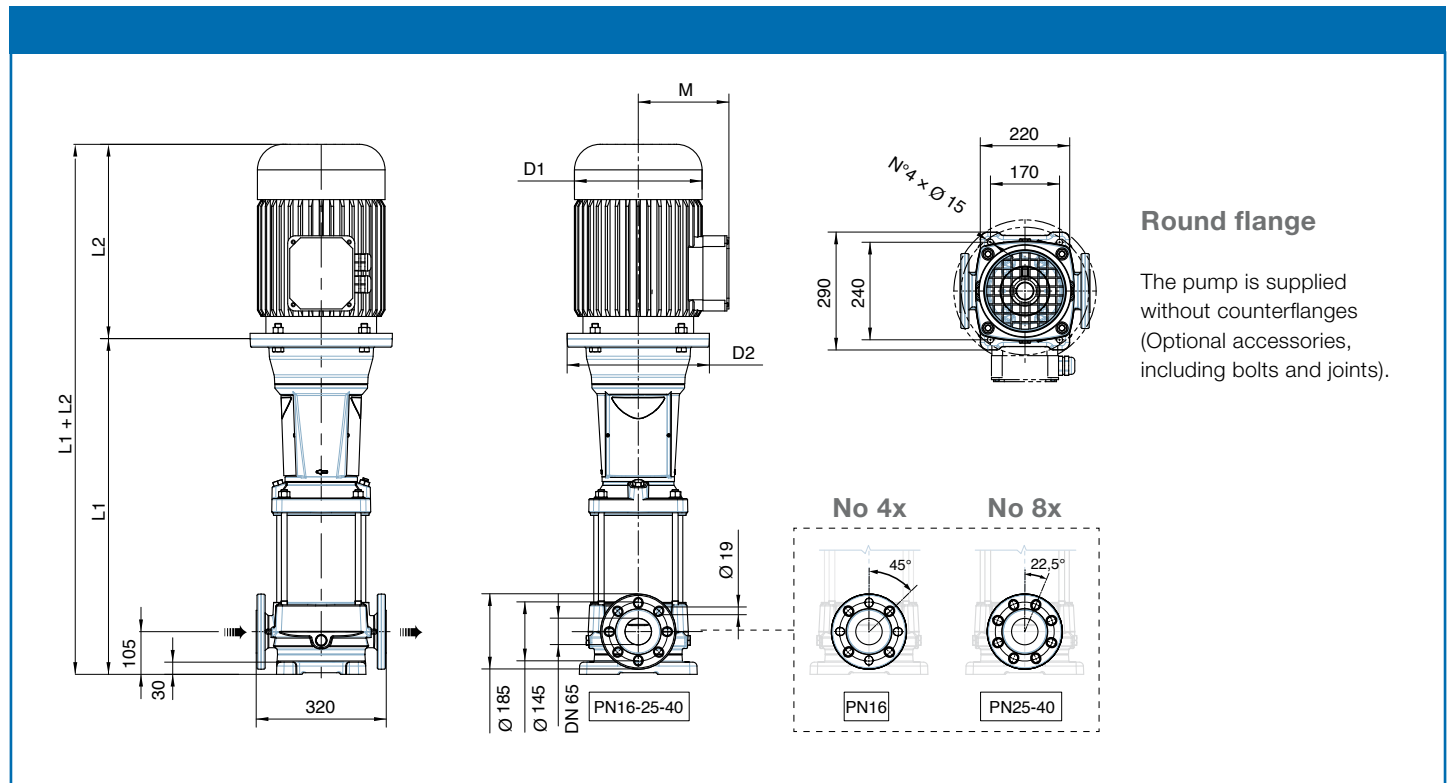
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 65-135.1

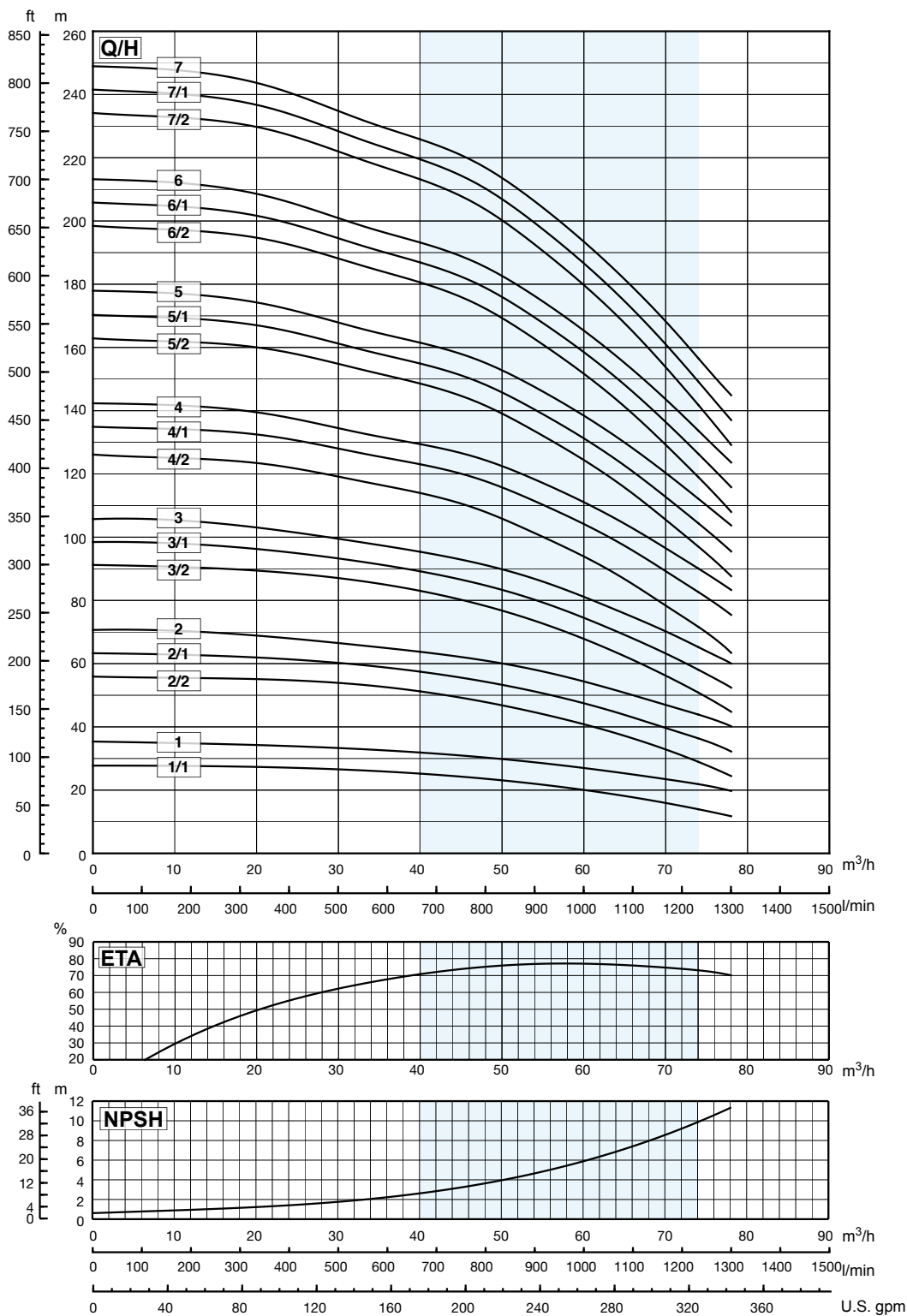


Type	Motor		Dimensions [mm]						Weight [kg]	
	kW	Size	L1	L1+L2	L2	D1	D2	M	Pump	Unit
HP 65-135.1/1/1	3	100	455	745	290	180	170	138	53	71
HP 65-135.1/1	4	112	455	761	306	196	170	145	53	75,8
HP 65-135.1/2/2	5,5	132	724	1052	328	225	300	161	74,5	108,5
HP 65-135.1/2/1	7,5	132	724	1074	350	225	300	161	74,5	110,5
HP 65-135.1/2	11	160	744	1169	425	248	350	198	77,5	135,5
HP 65-135.1/3/2	11	160	826	1251	425	248	350	198	81,5	139,5
HP 65-135.1/3/1	11	160	826	1251	425	248	350	198	81,5	139,5
HP 65-135.1/3	15	160	826	1302	476	248	350	198	81,5	145,5
HP 65-135.1/4/2	15	160	908	1384	476	248	350	198	85,5	149,5
HP 65-135.1/4/1	15	160	908	1384	476	248	350	198	85,5	149,5
HP 65-135.1/4	18,5	160	908	1450	542	317	350	238	85,5	183,5
HP 65-135.1/5/2	18,5	160	990	1532	542	317	350	238	89,5	187,5
HP 65-135.1/5/1	18,5	160	990	1532	542	317	350	238	89,5	187,5
HP 65-135.1/5	22	180	990	1532	542	317	350	238	89,5	198,5
HP 65-135.1/6/2	22	180	1072	1614	542	317	350	238	93,5	202,5
HP 65-135.1/6/1	22	180	1072	1614	542	317	350	238	93,5	202,5
HP 65-135.1/6	30	200	1077	1735	658	399	400	300	96,5	324,5
HP 65-135.1/7/2	30	200	1159	1817	658	399	400	300	100,5	328,5
HP 65-135.1/7/1	30	200	1159	1817	658	399	400	300	100,5	328,5
HP 65-135.1/7	30	200	1159	1817	658	399	400	300	100,5	328,5
HP 65-135.1/8/2	30	200	1241	1899	658	399	400	300	104,5	332,5
HP 65-135.1/8/1	37	200	1241	1899	658	399	400	300	104,5	346,5
HP 65-135.1/8	37	200	1241	1899	658	399	400	300	104,5	346,5

Performance curve

Type HP 80-135.1

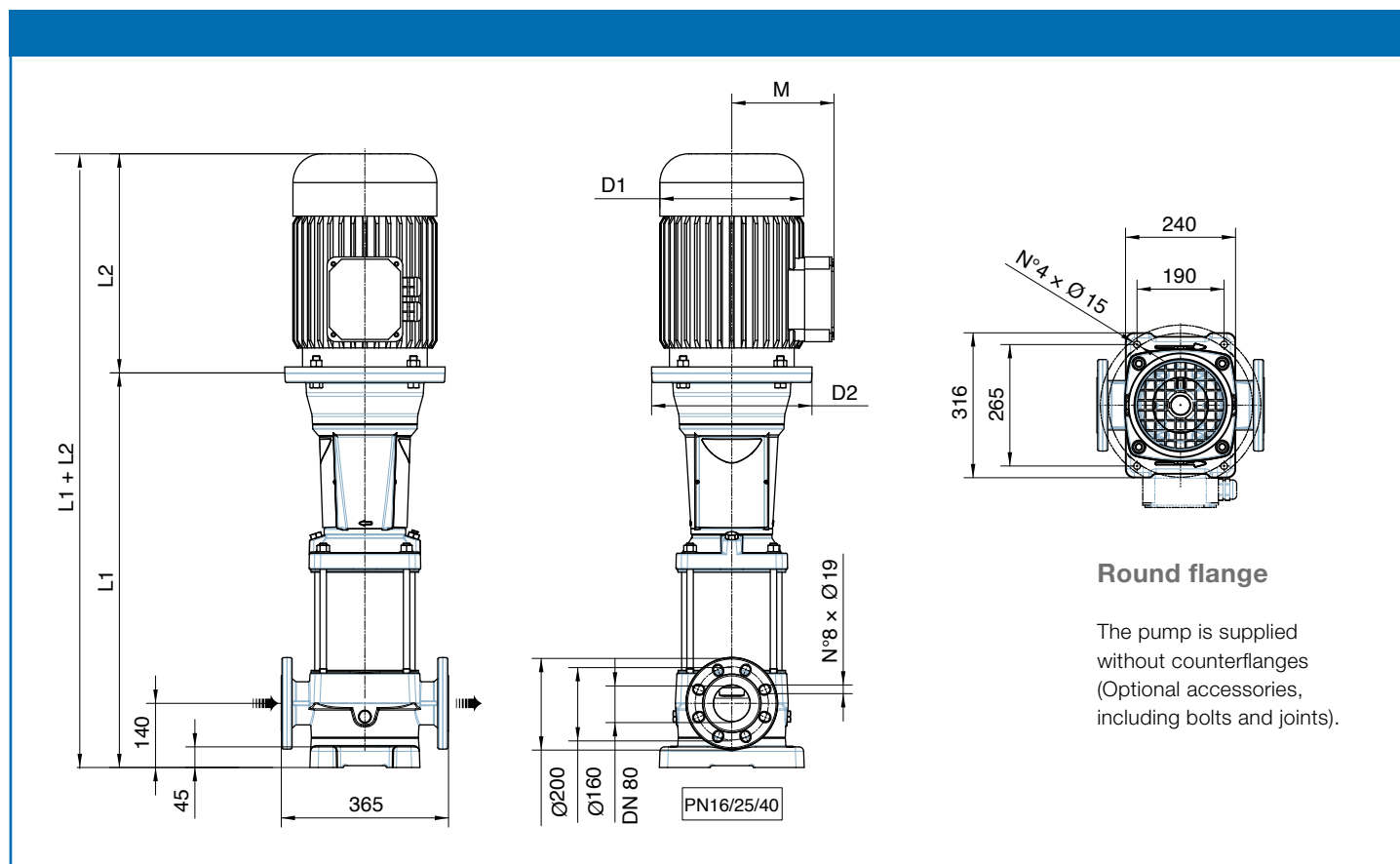
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 80-135.1



Round flange

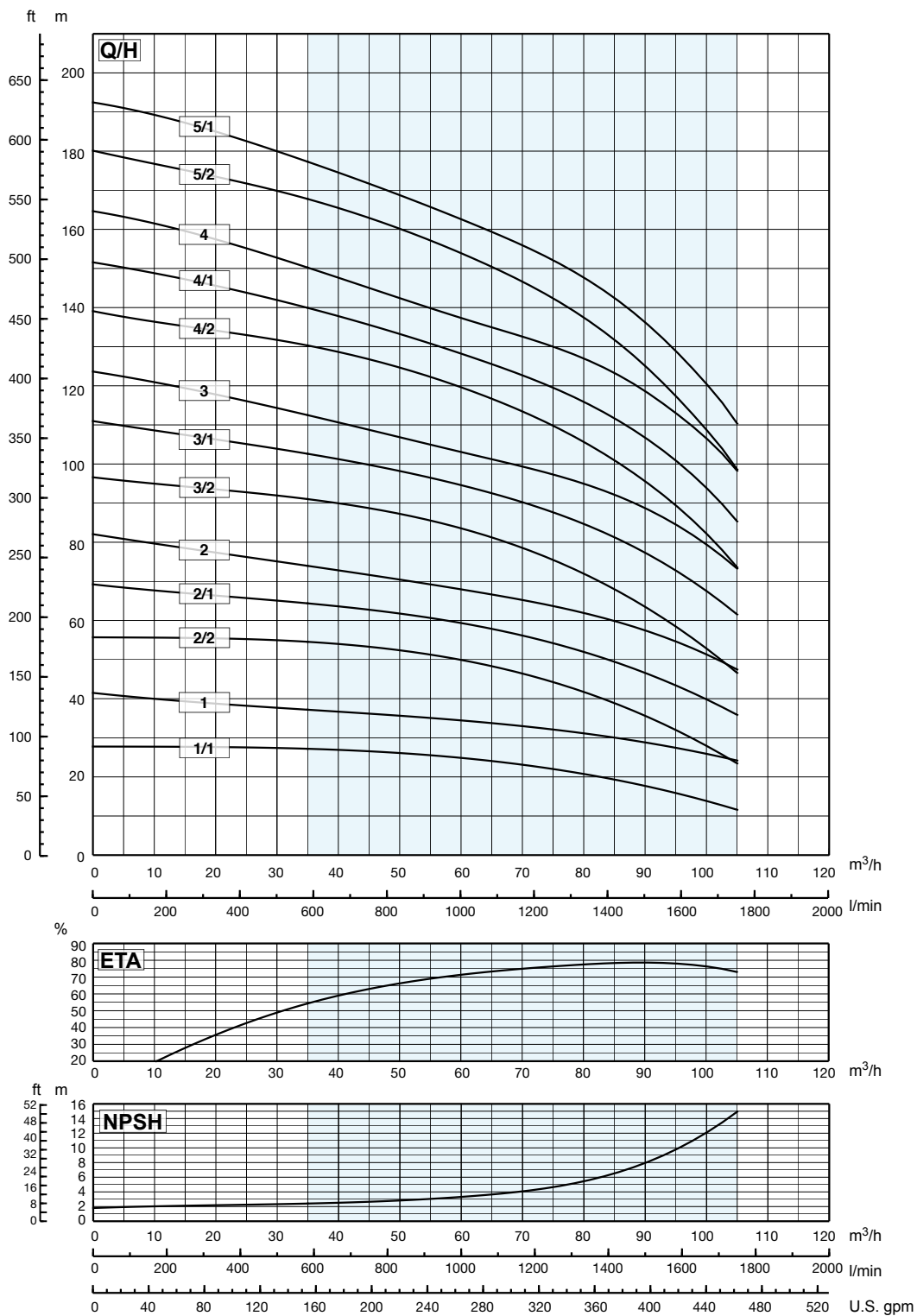
The pump is supplied without counterflanges (Optional accessories, including bolts and joints).

Type	Motor		Dimensions [mm]						Weight [kg]	
	kW	Size	L1	L1+L2	L2	D1	D2	M	Pump	Unit
HP 80-135.1/1/1	5,5	132	677	1005	328	225	300	161	76,5	110,5
HP 80-135.1/1	7,5	132	677	1027	350	225	300	161	76,5	112,5
HP 80-135.1/2/2	11	160	779	1204	425	248	350	198	83,5	141,5
HP 80-135.1/2/1	11	160	779	1204	425	248	350	198	83,5	141,5
HP 80-135.1/2	15	160	779	1255	476	248	350	198	83,5	147,5
HP 80-135.1/3/2	18,5	160	861	1403	542	317	350	238	87,5	185,5
HP 80-135.1/3/1	18,5	160	861	1403	542	317	350	238	87,5	185,5
HP 80-135.1/3	18,5	160	861	1403	542	317	350	238	87,5	185,5
HP 80-135.1/4/2	22	180	943	1485	542	317	350	238	91	200
HP 80-135.1/4/1	30	200	948	1606	658	399	400	300	94	322
HP 80-135.1/4	30	200	948	1606	658	399	400	300	94	322
HP 80-135.1/5/2	30	200	1030	1688	658	399	400	300	98	326
HP 80-135.1/5/1	30	200	1030	1688	658	399	400	300	98	326
HP 80-135.1/5	37	200	1030	1688	658	399	400	300	98	340
HP 80-135.1/6/2	37	200	1112	1770	658	399	400	300	102	344
HP 80-135.1/6/1	37	200	1112	1770	658	399	400	300	102	344
HP 80-135.1/6	37	200	1112	1770	658	399	400	300	102	344
HP 80-135.1/7/2	45	225	1194	1893	699	465	450	335	109	417
HP 80-135.1/7/1	45	225	1194	1893	699	465	450	335	109	417
HP 80-135.1/7	45	225	1194	1893	699	465	450	335	109	417

Performance curve

Type HP 100-145.1

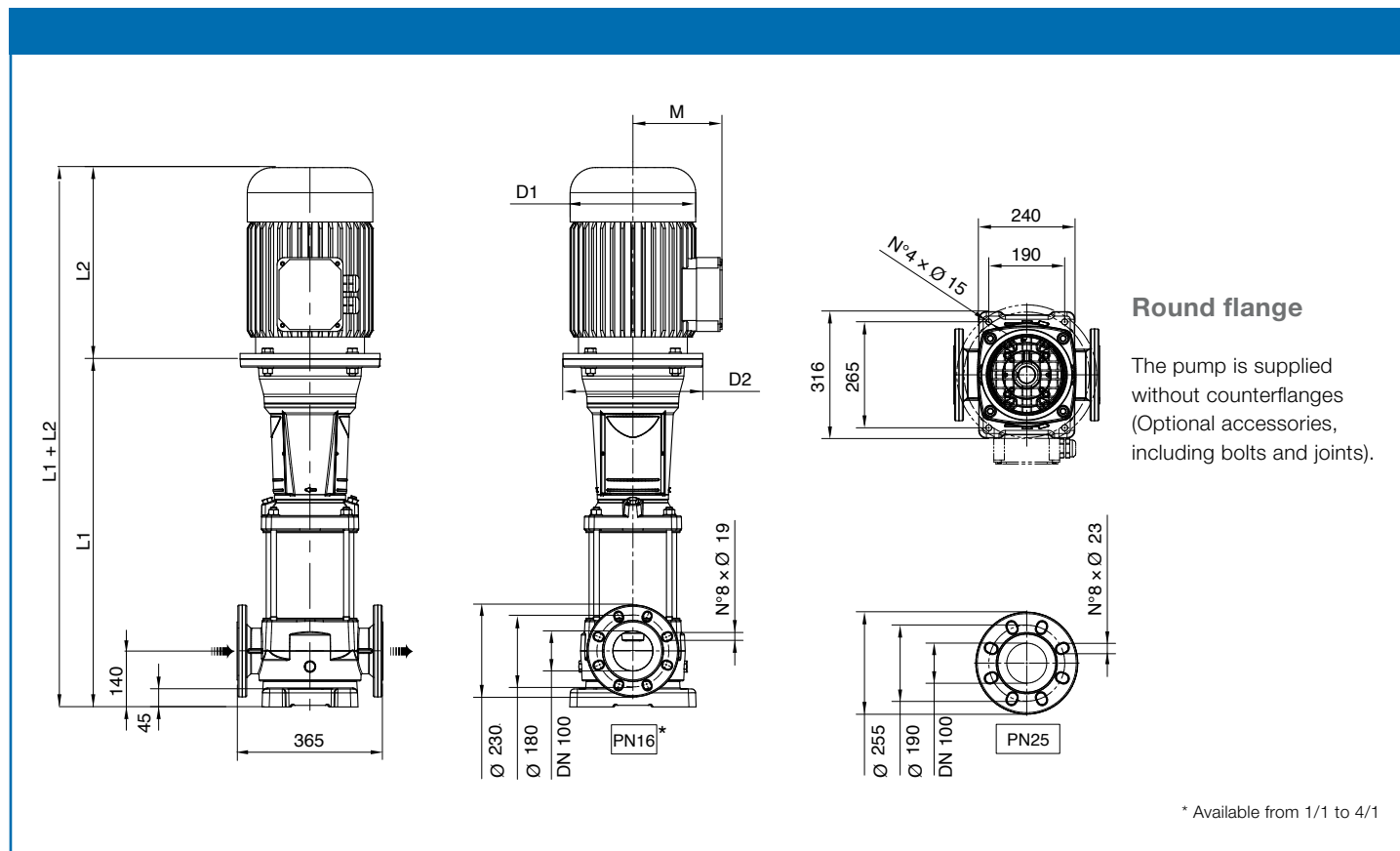
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 100-145.1

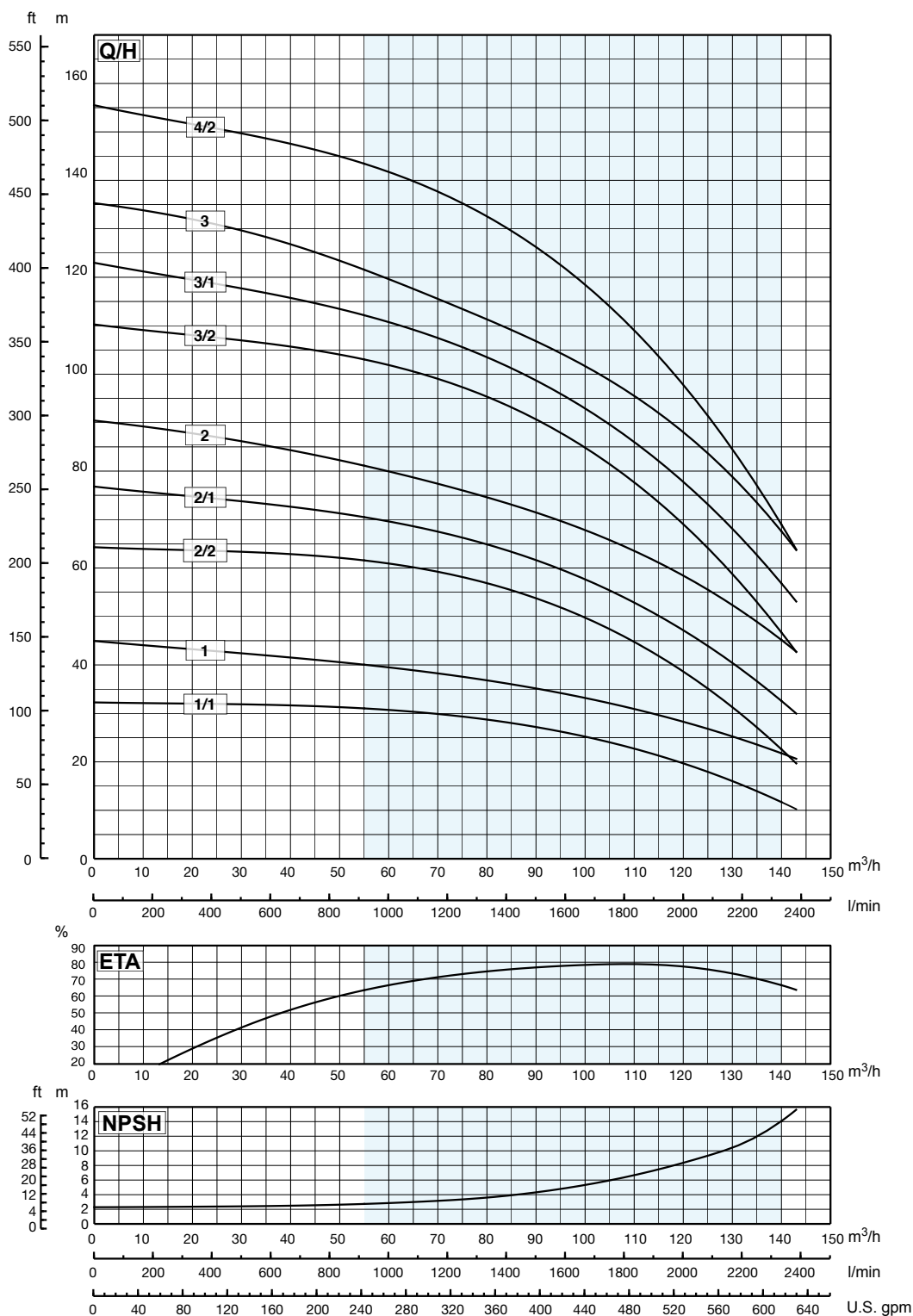


Type	PN	Motor		Dimensions [mm]						Weight [kg]	
		kW	Size	L1	L1+L2	L2	D1	D2	M	Pump	Unit
HP 100-145.1/1/1	16	7,5	132	737,1	1087,1	350	225	300	161	81	117
HP 100-145.1/1	16	11	160	757,1	1182,1	425	248	350	198	84	142
HP 100-145.1/2/2	16	15	160	849,2	1325,2	476	248	350	198	88,5	152,5
HP 100-145.1/2/1	16	18,5	160	849,2	1391,2	542	317	350	238	88,5	186,5
HP 100-145.1/2	16	22	180	849,2	1391,2	542	317	350	238	89	198
HP 100-145.1/3/2	16	22	180	941,3	1483,3	542	317	350	238	93,5	202,5
HP 100-145.1/3/1	16	30	200	946,3	1604,3	658	399	400	300	96,5	324,5
HP 100-145.1/3	16	30	200	946,3	1604,3	658	399	400	300	96,5	324,5
HP 100-145.1/4/2	16	37	200	1038,4	1696,4	658	399	400	300	101	343
HP 100-145.1/4/1	16	37	200	1038,4	1696,4	658	399	400	300	101	343
HP 100-145.1/4	16	45	225	1038,4	1737,4	699	465	450	335	104	412
HP 100-145.1/5/2	25	45	225	1130,5	1829,5	699	465	450	335	108,5	416,5
HP 100-145.1/5/1	25	45	225	1130,5	1829,5	699	465	450	335	108,5	416,5

Performance curve

Type HP 100-145.2

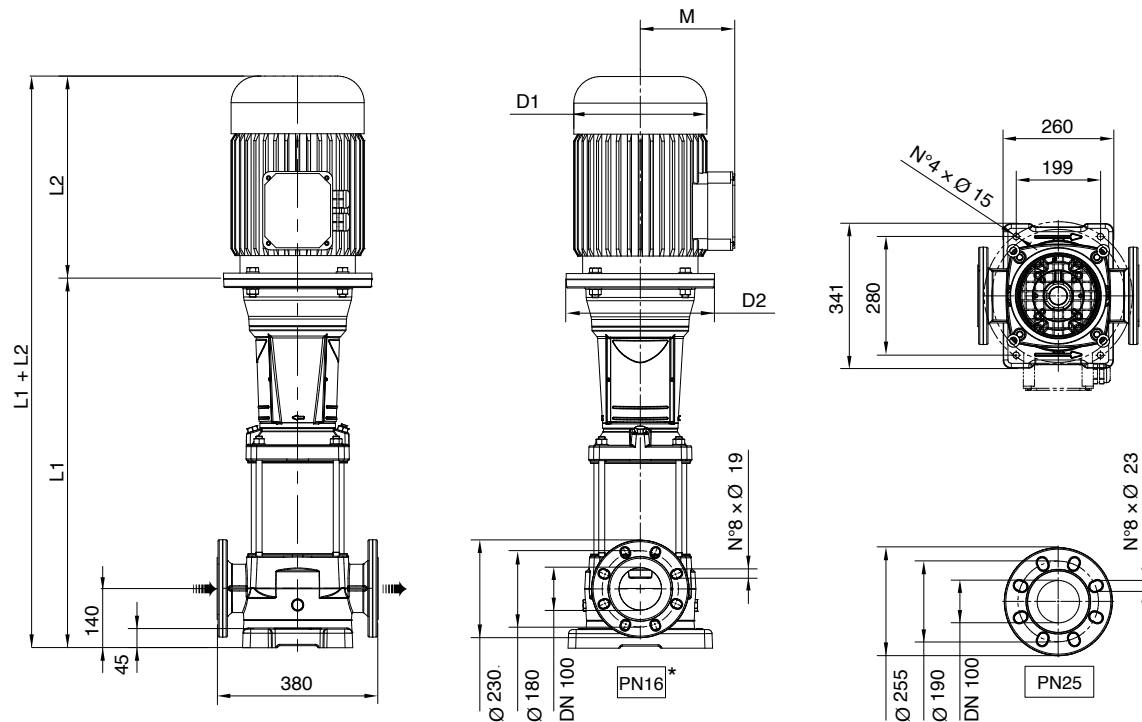
Speed 3500 rpm



Notes to performance curves: Curves valid according to DIN EN ISO 9906/3B.

Dimensions and weights

Type HP 100-145.2



Round flange

The pump is supplied without counter-flanges (Optional accessories, including bolts and joints).

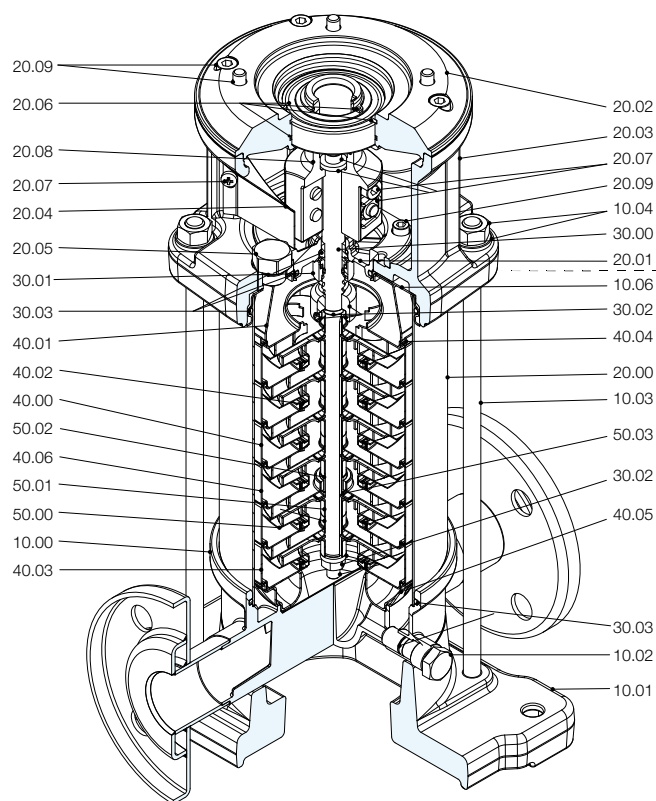
* Available from 1/1 to 4/2

Type	PN	Motor		Dimensions [mm]						Weight [kg]	
		kW	Size	L1	L1+L2	L2	D1	D2	M	Pump	Unit
HP 100-145.2/1/1	16	11	132	737,1	1162,1	425	248	300	198	82,5	140,5
HP 100-145.2/1	16	15	160	757,1	1233,1	476	248	350	198	85,5	149,5
HP 100-145.2/2/2	16	18,5	160	849,2	1391,2	542	317	350	238	89	187
HP 100-145.2/2/1	16	22	180	849,2	1391,2	542	317	350	238	89,5	198,5
HP 100-145.2/2	16	30	200	854,2	1512,2	658	399	400	300	92,5	320,5
HP 100-145.2/3/2	16	37	200	946,3	1604,3	658	399	400	300	96,5	338,5
HP 100-145.2/3/1	16	37	200	946,3	1604,3	658	399	400	300	96,5	338,5
HP 100-145.2/3	16	45	225	946,3	1645,3	699	465	450	335	99,5	407,5
HP 100-145.2/4/2	16	45	225	1038,4	1737,4	699	465	450	335	103	411

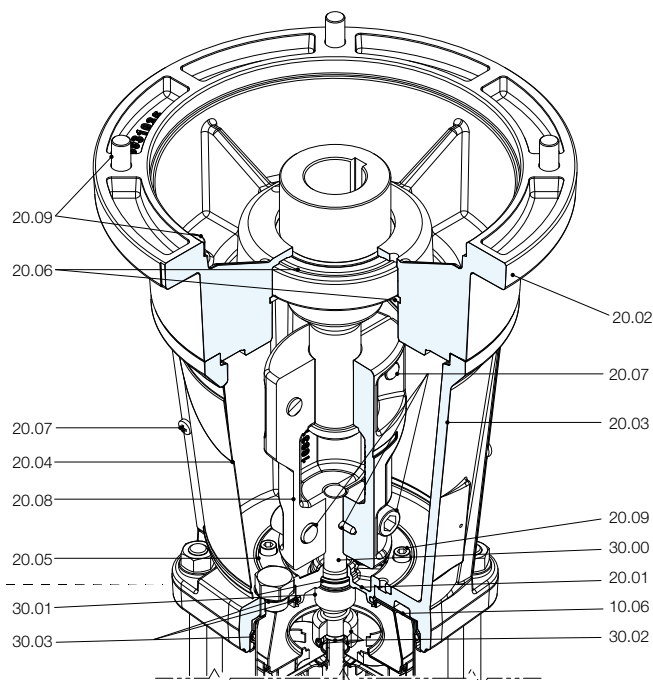
Cross section and part list

HP 25-80, HP 32-80, HP 40-95

Cross section



(Configuration up to 4kW)



(Configuration from 5,5kW)

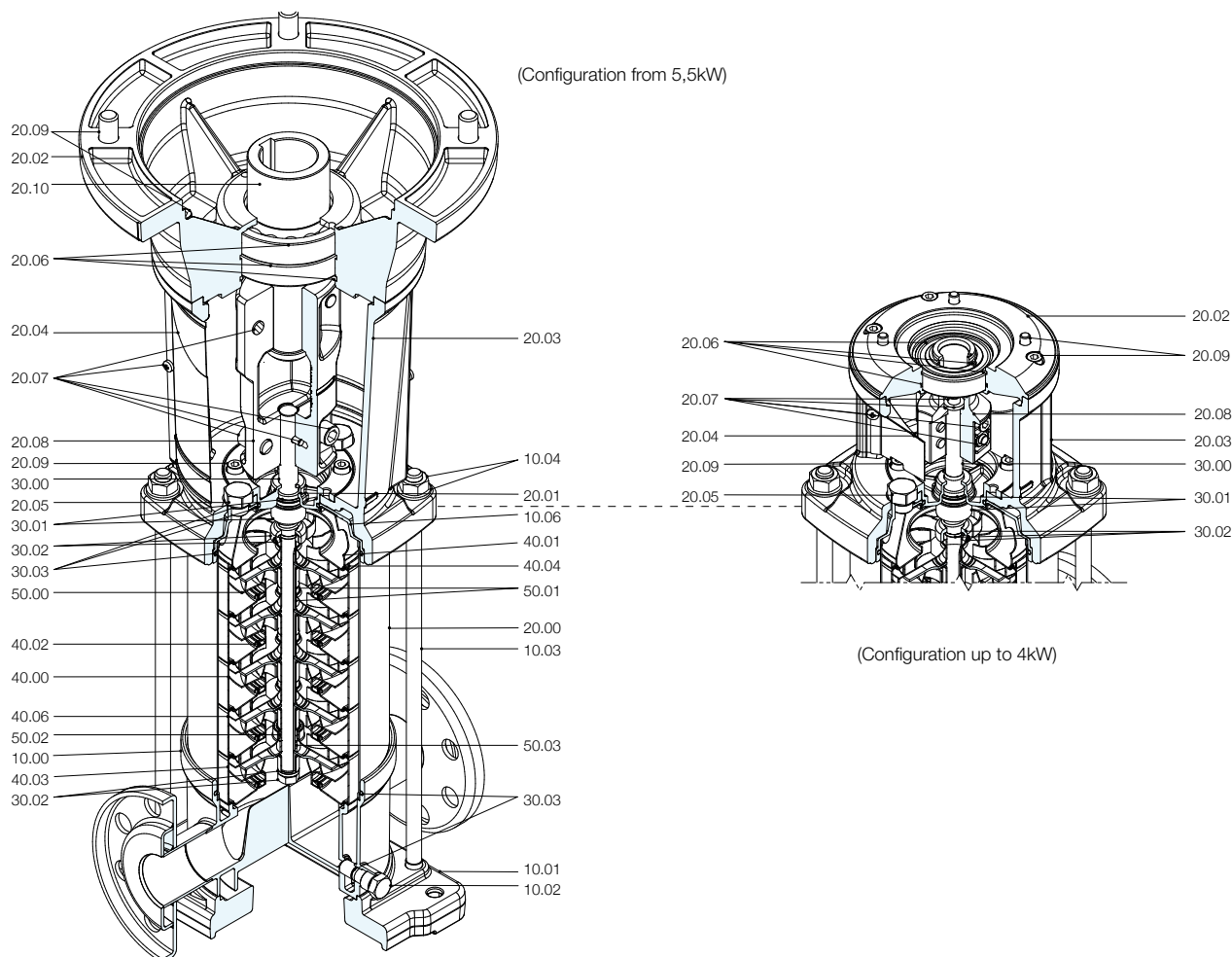
Part list	Description
10.00	Pump casing
10.01	Pump fixing plate
10.02	Filling and draining plug
10.03	Tie bolt
10.04	Kit nuts and washers
10.06	Upper flange
20.00	Outer Case
20.01	Mechanical seal housing
20.02	Motor flange
20.03	Motor bracket
20.04	Coupling guard
20.05	Filling plugs
20.06	Circlips and bearings, and O-ring
20.07	Coupling fasteners
20.08	Coupling
20.09	Kit motor screws

Part list	Description
30.00	Pump shaft
30.01	Kit Mechanical seal
30.02	Mechanical seal fastening kit
30.03	Kit O-rings
40.00	Stage housing and diffuser
40.01	Stage Centering outlet
40.02	Floating neck ring
40.03	Initial stage housing
40.04	Last Stage with diffuser
40.05	Stage Centering inlet
40.06	Stage housing and diffuser with bearing
50.00	Impeller
50.01	Impeller spacer
50.02	Intermediary sleeve
50.03	Intermediary sleeve spacer

Cross section and part list

HP 50-110

Cross section



Part list	Description
10.00	Pump casing
10.01	Pump fixing plate
10.02	Filling and draining plug
10.03	Tie bolt
10.04	Kit nuts and washers
10.06	Upper Flange
20.00	Outer Case
20.01	Mechanical seal housing
20.02	Motor flange
20.03	Motor bracket
20.04	Coupling guard
20.05	Filling plugs
20.06	Circlips and bearings, and O-ring
20.07	Coupling fasteners
20.08	Coupling
20.09	Kit motor screws

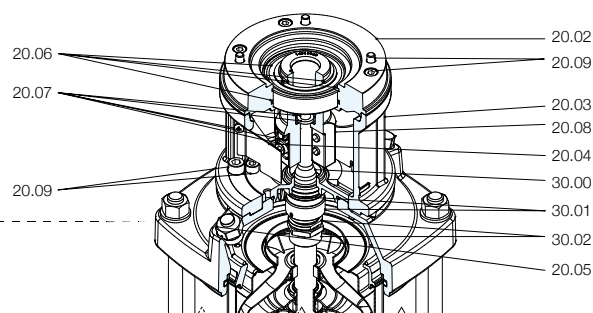
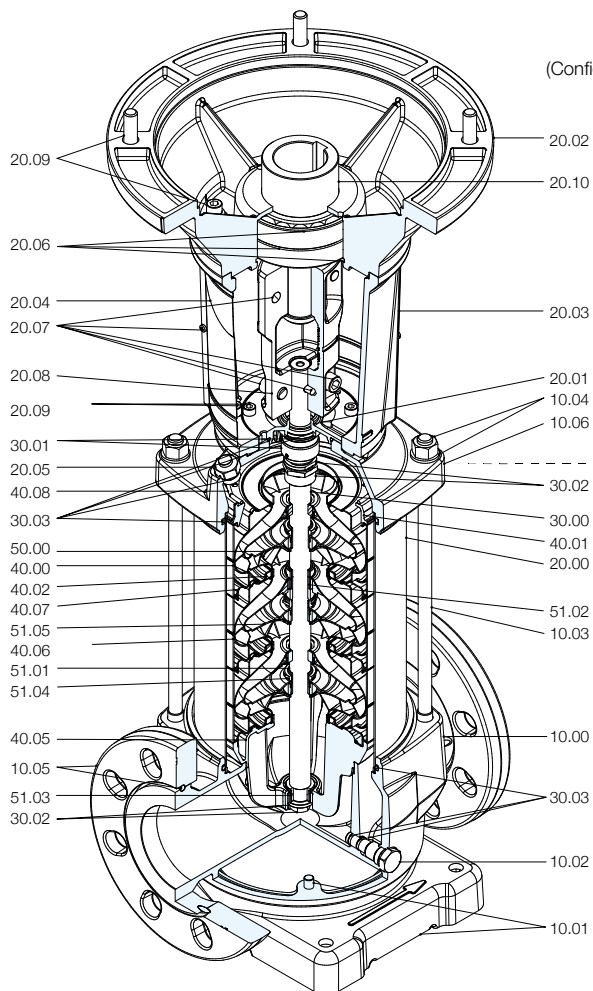
Part list	Description
20.10	Motor shaft adapter
30.00	Pump shaft
30.01	Kit Mechanical seal
30.02	Mechanical seal fastening kit
30.03	Kit O-rings
40.00	Stage housing and diffuser
40.01	Stage Centering outlet
40.02	Floating neck ring
40.03	Initial stage housing
40.04	Last Stage with diffuser
40.06	Stage housing and diffuser with bearing
50.00	Impeller
50.01	Impeller spacer
50.02	Intermediary sleeve
50.03	Intermediary sleeve spacer

Cross section and part list

HP 65-135, HP 80-135, HP 100-145

Cross section

(Configuration from 5,5kW)

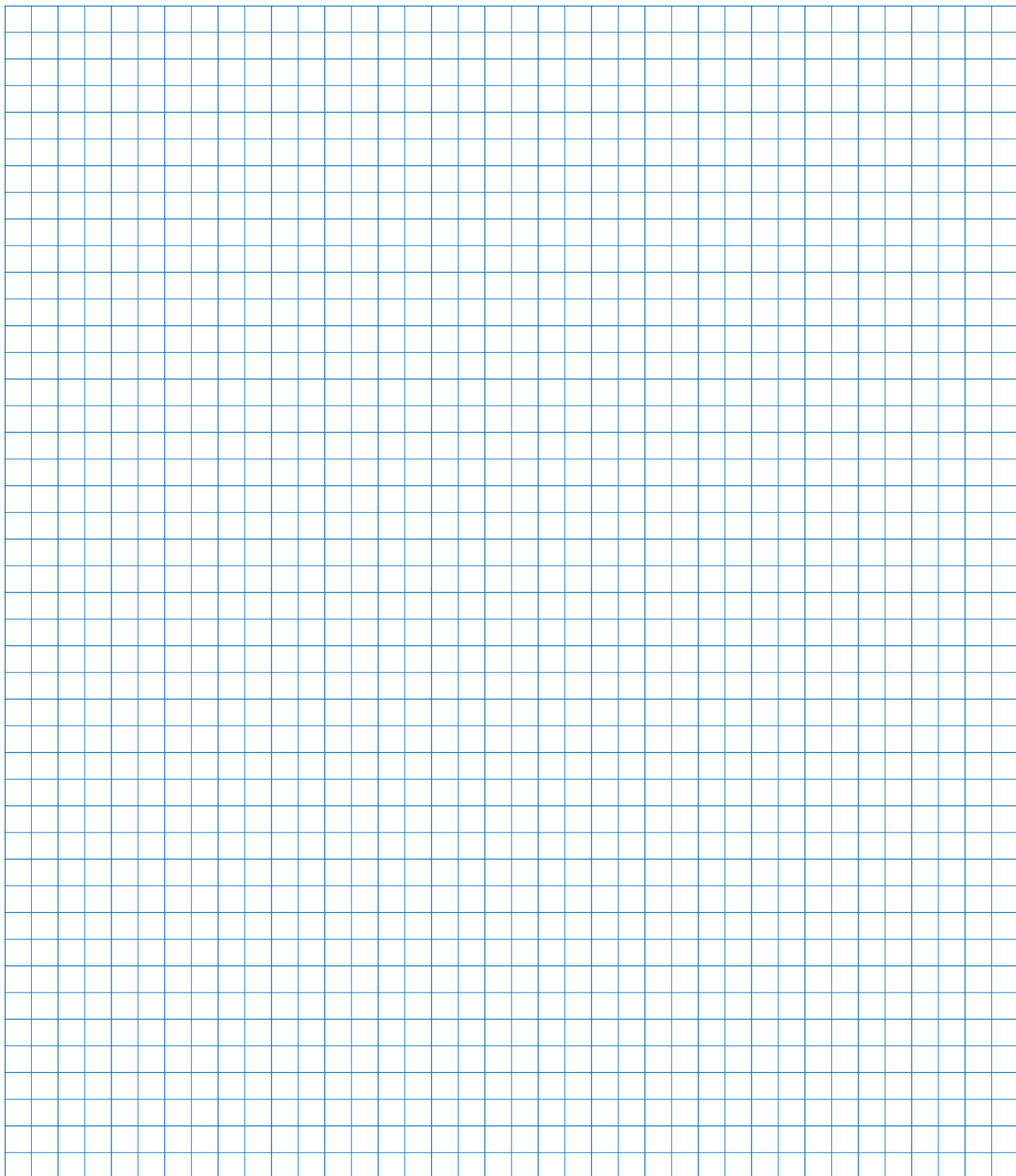


(Configuration up to 4kW)

Part list	Description
10.00	Pump casing
10.01	Pump fixing plate
10.02	Draining plug
10.03	Tie bolt
10.04	Kit nuts and washers
10.05	Kit flanges ring
10.06	Upper Flange
20.00	Outer Case
20.01	Mechanical seal housing
20.02	Motor flange
20.03	Motor bracket
20.04	Coupling guard
20.05	Filling plugs
20.06	Circlips and bearings, and O-ring
20.07	Coupling fasteners
20.08	Coupling
20.09	Kit motor screws
20.10	Motor shaft adapter

Part list	Description
30.00	Pump shaft
30.01	Kit Mechanical seal
30.02	Mechanical seal fastening kit
30.03	Kit O-rings
40.00	Stage housing and diffuser
40.01	Stage Centering outlet (only on HP 100-145)
40.02	Floating neck ring
40.05	Stage Centering inlet
40.06	Stage housing and diffuser with bearing
40.07	Flange clamping neck ring
40.08	Spring ring
50.00	Impeller
51.01	Split cone
51.02	Intermediary sleeve nut
51.03	Journal sleeve
51.04	Split cone nut
51.05	Intermediate impeller with screw

For your notes



Close to our customers



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