

880EU/880RIEU 50Hz/60Hz

In-line circulation pump



Company Profile

HISTORY

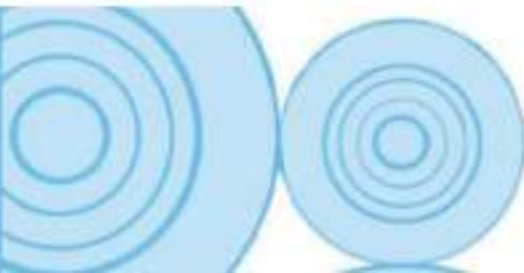
Flo Fab was established in 1981 by Denis Gauvreau who created and developed the products line and constantly being perfected by Marc Gauvreau, as well as by a team of professional engineers and designers. It's a combination of existing designs from several renowned products and the innovative ideas of a new generation professionals.

Through the years, Flo Fab has acquired several companies and service entities including : AQUA-PROFAB (ASME Tanks manufacturer), MÉNARD, LÉONARD ÉLECTRIQUE, PMA. , Furthermore Flo Fab purchased equipment, fabrication designs and patterns from IDEALCO, a manufacturer of shell and tube type heat exchangers.

The after sales services, sales, engineering, R&D, production, quality control, accounting and administration departments of all the above companies share the same location.

In December 2014, Marc Gauvreau, son of the founder, acquired all shares of The company. Flo Fab and is constantly investing in new state of the art innovations new product like the XRI series and Prefab Skid for Hydronic Heating & cooling system, pumping systems. This has allowed Flo Fab to retain competent and experienced staff of professionals with varied and specialized abilities that constantly work on improving our existing products and add new engineered solutions that exceeding customer's expectations .

Flo Fab has grown quite rapidly and now proudly offers of a wide range of products available directly from one manufacturer. This includes pumps & pump packages, tanks, heat exchangers & hydronic accessories. This allows each project stakeholders to enjoy economical savings, peace of mind, best value for their investment and optimized total cost of ownership.



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● Introduction

The type 880EU/880RIEU pumps are single stage in-line centrifugal pumps, equipped with standard motor and mechanical seal. Comparing with other pumps in similar structure, these pumps are less accessible to the impurity in the liquid.

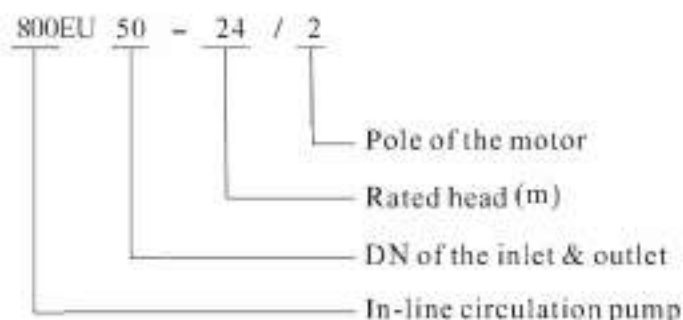
The pump is designed to be pulled out from the top when disassemble. It can be repaired without affecting the pipelines.

The mechanical seal for 800EU200 and above is cartridge mechanical seal. Motor needn't to be disassembled when replace mechanical seal.

800EU 125~800EU 150 products have two structures, one is easy maintenance structure, using a cartridge mechanical seal. And another is expansion shaft structure.

● Definition of Model

800EU 50 - 24 / 2

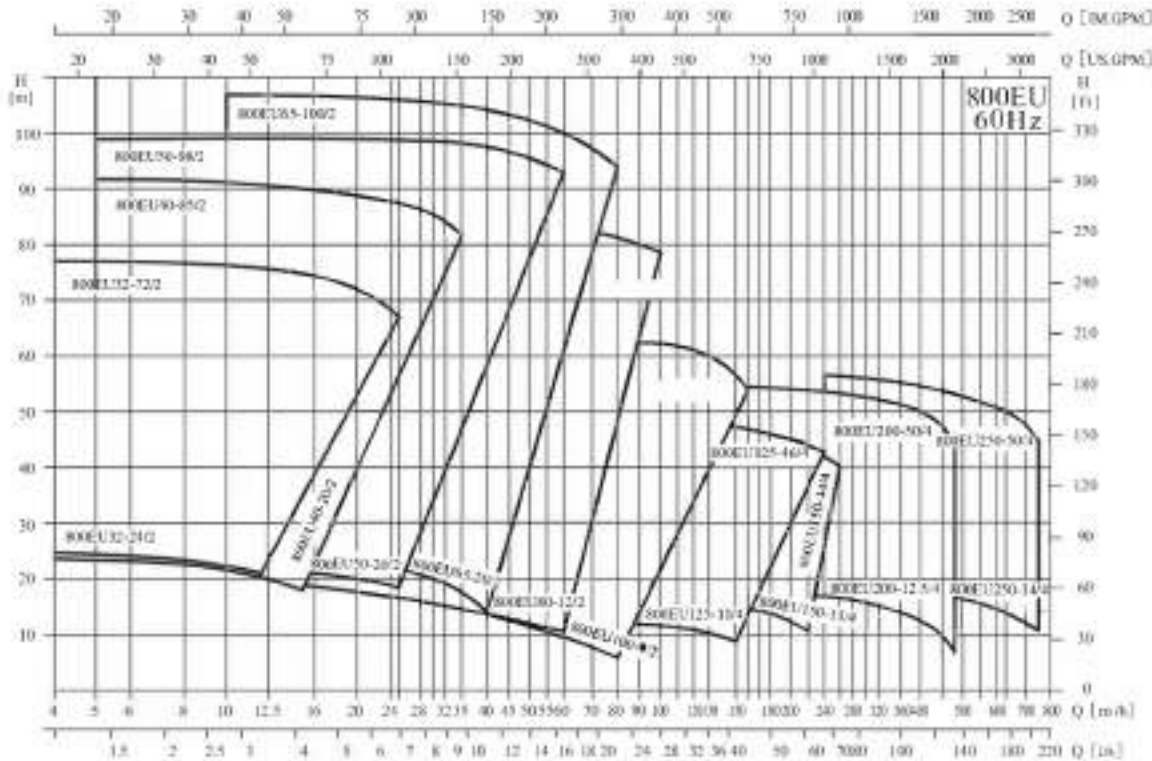
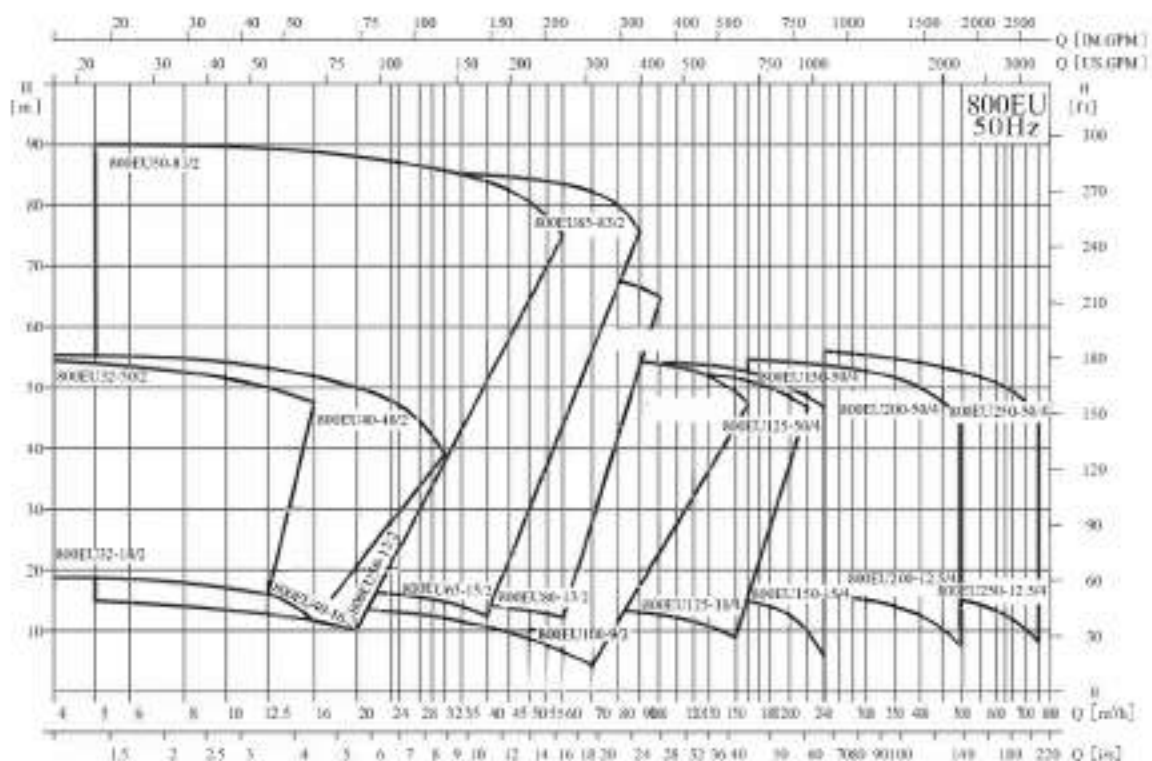


● Curve conditions

Following conditions are suitable for the performance curves shown above.

1. All curves are based on the measured value of motor 3×380V, 50Hz: under the constant speed of 2900rpm, 1450rpm or 1480rpm; 60Hz: under the constant speed of 3500rpm or 1750rpm;
2. Curve tolerance in conformity with ISO9906 Annex A.
3. Measurement is done with 20℃ air-free water, without impurities.
4. The operation of pump shall refer to the performance region indicated by the thickened curve to prevent overheating due to too small flow rate or overload of motor due to too large flow rate.
5. If the thickness and density of the pumped liquid is different from water, the motor power should be adjusted.

● Performance scope



Product range

table 1

50Hz

NO.	Model	Q (m ³ /h)	H (m)	n (r/min)	Standard voltage (V)	
					1×220V	3×380V
					P ₂ (kW)	P ₂ (kW)
1	800EU32-18/2	8	18	2900	1.1	1.1
2	800EU32-21/2	12.5	21		1.5	1.5
3	800EU-25/2	12.5	25		2.2	2.2
4	800EU-32/2	12.5	32			3
5	800EU-38/2	12.5	38			4
6	800EU-50/2	12.5	50			5.5
7	800EU-16/2	12.5	16		1.1	1.1
8	800EU-20/2	12.5	20		1.5	1.5
9	800EU-18/2	20	18		2.2	2.2
10	800EU-25/2	20	25			3
11	800EU-30/2	25	30			4
12	800EU-36/2	25	36			5.5
13	800EU-48/2	25	48			7.5
14	800EU-32/2	12.5	32			3
15	800EU-38/2	12.5	38			4
16	800EU-48/2	12.5	48			5.5
17	800EU-58/2	12.5	58			7.5
18	800EU-80/2	12.5	80			11
19	800EU-12/2	16	12		1.1	1.1
20	800EU-15/2	20	15		1.5	1.5
21	800EU-18/2	25	18		2.2	2.2
22	800EU-24/2	25	24			3
23	800EU-28/2	30	28			4
24	800EU-35/2	30	35			5.5
25	800EU-40/2	35	40			7.5
26	800EU-50/2	40	50			11
27	800EU-60/2	50	60			15
28	800EU-70/2	50	70			18.5
29	800EU-81/2	50	81			22
30	800EU-36/2	25	36			5.5
31	800EU-48/2	25	48			7.5
32	800EU-15/2	30	15		2.2	2.2
33	800EU-19/2	30	19			3
34	800EU-22/2	40	22			4
35	800EU-30/2	40	30			5.5
36	800EU-34/2	50	34			7.5
37	800EU-40/2	50	40			11
38	800EU-50/2	50	50			15
39	800EU-61/2	50	61			18.5
40	800EU-67/2	50	67			22
41	800EU-83/2	50	83			30

● Product range

table 1 (continued)

50Hz

NO.	Model	Q (m ³ /h)	H (m)	n (r/min)	Standard voltage (V)		
					1×220V	3×380V	
					P ₂ (kW)	P ₂ (kW)	
42	800EU80-13/2	50	13	2900		3	
43	800EU80-18/2	50	18			4	
44	800EU80-22/2	50	22			5.5	
45	800EU80-28/2	50	28			7.5	
46	800EU80-40/2	50	40			11	
47	800EU80-48/2	50	48			15	
48	800EU80-30/2	80	30			11	
49	800EU80-38/2	80	38			15	
50	800EU80-47/2	80	47			18.5	
51	800EU80-54/2	80	54			22	
52	800EU80-67/2	80	67			30	
53	800EU100-9/2	50	9			2.2	2.2
54	800EU100-15/2	60	15				4
55	800EU100-17/2	80	17				5.5
56	800EU100-22/2	80	22				7.5
57	800EU100-27/2	100	27				11
58	800EU100-33/2	100	33				15
59	800EU100-40/2	100	40				18.5
60	800EU100-48/2	100	48				22
61	800EU100-52/2	130	52				30
62	800EU125-11/4	120	11		1450		5.5
63	800EU125-14/4	120	14				7.5
64	800EU125-18/4*	160	18				11
65	800EU125-22/4*	160	22				15
66	800EU125-28/4*	160	28				18.5
67	800EU125-32/4*	160	32				22
68	800EU125-40/4*	160	40				30
69	800EU125-48/4*	160	48				37
70	800EU150-12.5/4*	200	12.5	1480		11	
71	800EU150-17/4*	200	17			15	
72	800EU150-21/4*	200	21			18.5	
73	800EU150-25/4*	200	25			22	
74	800EU150-33/4*	200	33			30	
75	800EU150-40/4*	200	40			37	
76	800EU150-50/4*	200	50			45	
77	800EU200-15/4	300	15			18.5	
78	800EU200-18/4	300	18			22	
79	800EU200-24/4	300	24			30	
80	800EU200-30/4	300	30			37	
81	800EU200-35/4	300	35			45	
82	800EU200-44/4	300	44			55	
83	800EU200-53/4	300	53			75	

● Product range

table I (continued)

50Hz

NO.	Model	Q (m ³ /h)	H (m)	n (r/min)	Standard voltage (V)	
					1×220V	3×380V
					P ₂ (kW)	P ₂ (kW)
84	800EU200-12.5/4	400	12.5	1480		22
85	800EU200-20/4	400	20			30
86	800EU200-23/4	400	23			37
87	800EU200-27/4	400	27			45
88	800EU200-32/4	400	32			55
89	800EU200-43/4	400	43			75
90	800EU200-50/4	400	50			90
91	800EU250-15/4	500	15			30
92	800EU250-18/4	500	18			37
93	800EU250-21/4	500	21			45
94	800EU250-27/4	500	27			55
95	800EU250-36/4	500	36			75
96	800EU250-44/4	500	44			90
97	800EU250-53/4	500	53			110
98	800EU250-12.5/4	630	12.5			30
99	800EU250-14/4	630	14			37
100	800EU250-17/4	630	17			45
101	800EU250-20/4	630	20			55
102	800EU250-26/4	630	26			75
103	800EU250-32/4	630	32			90
104	800EU250-40/4	630	40			110
105	800EU250-50/4	630	50			132

Type with “*” has two structures for selection, one is lengthening shaft type and the other is easy maintenance type.

● Product range

table 2

60Hz

NO.	Model	Q (m ³ /h)	H (m)	n (r/min)	Standard voltage (V)		
					1×220V	3×380V	
					P ₂ (kW)	P ₂ (kW)	
1	800EU32-24/2	7	24	3500	1.5	1.5	
2	800EU32-27/2	10	27		2.2	2.2	
3	800EU32-30/2	15	30			3	
4	800EU32-38/2	15	38			4	
5	800EU32-46/2	15	46			5.5	
6	800EU32-57/2	20	57			7.5	
7	800EU32-72/2	20	72			11	
8	800EU40-20/2	12	20			1.5	1.5
9	800EU40-24/2	15	24			2.2	2.2
10	800EU40-28/2	15	28				3
11	800EU40-32/2	20	32				4
12	800EU40-35/2	25	35				5.5
13	800EU40-42/2	25	42				7.5
14	800EU40-65/2	25	65				11
15	800EU40-76/2	25	76				15
16	800EU40-85/2	30	85				18.5
17	800EU50-20/2	20	20			2.2	2.2
18	800EU50-27/2	20	27				3
19	800EU50-34/2	20	34				4
20	800EU50-40/2	20	40				5.5
21	800EU50-42/2	30	42				7.5
22	800EU50-51/2	35	51				11
23	800EU50-62/2	45	62				15
24	800EU50-72/2	45	72				18.5
25	800EU50-84/2	45	84				22
26	800EU50-98/2	50	98				30
27	800EU65-20/2	30	20				3
28	800EU65-25/2	30	25				4
29	800EU65-32/2	30	32				5.5
30	800EU65-38/2	35	38				7.5
31	800EU65-46/2	35	46				11
32	800EU65-55/2	35	55				15
33	800EU65-60/2	50	60				18.5
34	800EU65-73/2	50	73				22
35	800EU65-85/2	60	85				30
36	800EU65-100/2	60	100				37
37	800EU80-12/2	50	12				3
38	800EU80-17/2	50	17				4
39	800EU80-20/2	60	20				5.5
40	800EU80-26/2	60	26				7.5
41	800EU80-30/2	80	30				11
42	800EU80-38/2	80	38				15
43	800EU80-47/2	80	47				18.5

Product range

table 2 (continued)

60Hz

NO.	Model	Q (m ³ /h)	H (m)	n (r/min)	Standard voltage (V)		
					1×220V	3×380V	
					P ₂ (kW)	P ₂ (kW)	
44	800EU80-52/2	80	52	3500		22	
45	800EU80-70/2	80	70			30	
46	800EU80-81/2	80	81			37	
47	800EU100-11/2	50	11			3	
48	800EU100-15/2	60	15			4	
49	800EU100-17/2	80	17			5.5	
50	800EU100-22/2	80	22			7.5	
51	800EU100-25/2	100	25			11	
52	800EU100-32/2	100	32			15	
53	800EU100-34/2	120	34			18.5	
54	800EU100-38/2	120	38			22	
55	800EU100-52/2	130	52			30	
56	800EU100-60/2	130	60			37	
57	800EU125-11/4	120	11		1750		5.5
58	800EU125-14/4	120	14				7.5
59	800EU125-20/4	120	20				11
60	800EU125-24/4	120	24			15	
61	800EU125-28/4	140	28			18.5	
62	800EU125-32/4	150	32			22	
63	800EU125-38/4	150	38			30	
64	800EU125-40/4	180	40			37	
65	800EU125-46/4	180	46			45	
66	800EU150-15/4	160	15			11	
67	800EU150-18/4	180	18			15	
68	800EU150-20/4	200	20			18.5	
69	800EU150-24/4	200	24			22	
70	800EU150-32/4	200	32			30	
71	800EU150-36/4	200	36			37	
72	800EU150-44/4	200	44			45	
73	800EU200-12.5/4	400	12.5		22		
74	800EU200-20/4	400	20		30		
75	800EU200-23/4	400	23		37		
76	800EU200-27/4	400	27		45		
77	800EU200-32/4	400	32		55		
78	800EU200-43/4	400	43		75		
79	800EU200-50/4	400	50		90		
80	800EU250-14/4	630	14		37		
81	800EU250-17/4	630	17		45		
82	800EU250-20/4	630	20		55		
83	800EU250-26/4	630	26		75		
84	800EU250-32/4	630	32		90		
85	800EU250-40/4	630	40		110		
86	800EU250-50/4	630	50		132		

● Minimum inlet pressure NPSH

In case that the pressure in pump is lower than the steam pressure used to convey liquid, the cavi-tations will occur. To avoid cavi-tations, a minimum pressure at the inlet side of the pump shall be gu-aranteed. The maximum suction can be calculated with following formula:

$$H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$$

H— Maximum suction head (m)

P_b—Atmosphere pressure (bar)

In a closed system, P_b means system pressure(bar)

NPSH—Net positive suction head (m)

It can be read from the point of Max. flow rate shown on NPSH curve.

H_f—Pipeline loss at the inlet (m)

It is in accordance with pipeline possible Max. flow.

H_v—Steam pressure (m)

It depends on liquid temperature and steam pressure value.

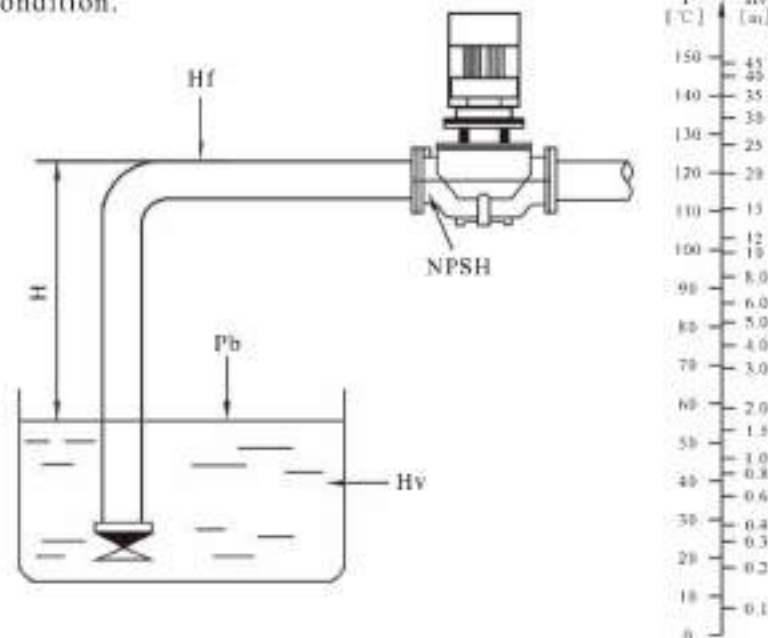
H_s—Safety margin (m)

Minimum 0.5m delivery head.

If the calculated result H is negative,the pump may run under the Max.suction head H. In case the calculated result H is negative, a delivery head of Min. inlet pressure is necessary.

Note: Normally, the above calculation will not be done. H is calculated in the following conditions:

- 1、 The liquid temperature is comparatively higher;
- 2、 Liquid flow exceeds rated value;
- 3、 Suction head is comparatively large or inlet pipeline long;
- 4、 System pressure is too low;
- 5、 Bad inlet condition.



● Applications

The pumped liquid is clean, thin, non-corrosive, non-flammable, and non-explosive liquid which shall not contain any solid grain and fibre that might damage the pump mechanically or chemically.

The detailed requirements on the liquid is in Table 3. If the liquid viscosity or density is beyond the required level, the performance curves will descend and energy consumption will be increased.

Liquid temperature: $-15^{\circ}\text{C} \sim 110^{\circ}\text{C}$

Max. Working pressure: Normal type: PN12 bar ; special type: PN 16 bar.

table 3

Liquid		Max. temperature	Liquid requirement	Application
Water	Groundwater	$< 90^{\circ}\text{C}$		TD pumps are applicable for urban water supply, industrial water, cooling system, and cold & hot water for regional heat supply system: 1) main circulation pump 2) mixed circuit pump 3) boiler mixed-flow pump 4) gas-fired freezer pump 5) filter pump 6) constant pressure system pump 7) urban hot water circulation
	Boiler feed water	$< 110^{\circ}\text{C}$		
	District feed water	$< 110^{\circ}\text{C}$		
	Condensate	$< 90^{\circ}\text{C}$		
	Softened water	$-15^{\circ}\text{C} \sim 110^{\circ}\text{C}$		
	Alkalescent water		Weak alkalescence	
	Cooling and cutting lubricant		Additive and little impurity may damage the shaft seal	
Coolants	Hydrocarbon based antifreeze	$< 50^{\circ}\text{C}$	Little rime may damage the shaft seal	TD pumps can be used in chemical industry, pharmaceutical industry, food processing and so on. 1) liquid feeding 2) system pressure boosting 3) mixed circuit circulation pump
	Alcoholised compound	$< 50^{\circ}\text{C}$ 50%		
	30% brine(NaCl, CaCl ₂ solution, etc)	$< 50^{\circ}\text{C}$	Little rime may damage the shaft seal	
Organic solvents	Isopropyl alcohol	$\leq 60^{\circ}\text{C}$	Flammable liquid	
	Propyl alcohol	$\leq 60^{\circ}\text{C}$		
Oxidants	Hydrogen peroxide	$\leq 60^{\circ}\text{C}$ 20%		

● Installation requirements

Some detailed requirement of installation is as below, The concrete request is as following:

1. If the system pipeline can support the pumps, pumps with 2.2kW motor power(including 2.2kW) can be hung in line; if the system pipeline cannot support the pumps or the pump motor power is higher than 2.2kW, the pumps must be installed in brackets or base.

2. Pumps with motor power lower than 2.2kW(including 2.2kW) can be installed horizontally or vertically to the pipeline. Pumps with motor power higher than 2.2kW, can only be installed vertically to the pipeline (see 2-A).

3. The pump installation shall not allow the system pipeline tensile force to be transferred to the pump body.

4. The pump should be installed in the environment with sufficient cooling and the cooling air shall not be above 40°C.

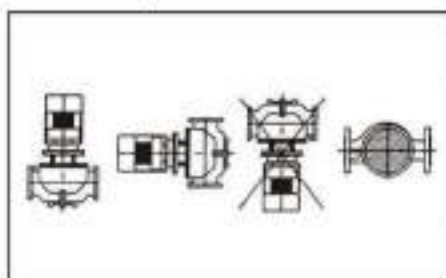
5. If the pumps are installed outdoors, there should be covers to protect electric components from water.

6. For the convenience of maintenance, there should be enough space above and below the pumps. Minimum 300mm shall be kept for pumps with motor power lower than 5.5kW, and minimum 1000mm for pumps with motor power higher than 5.5kW. (See 2-B)

7. To prevent noises and vibration and ensure the best operation, anti-vibration base shall be used in installation. Generally, cement base with the weight equal or bigger than $1.5 \times$ pump weight shall be adopted. (See 2-C).

8. For 800EU32 to 800EU150, pumps with bases or without bases are both available for customers requirements. (See appendix 800EU32-800EU150 for base dimensions).

For power ≤ 2.2 kW



For power > 2.2 kW

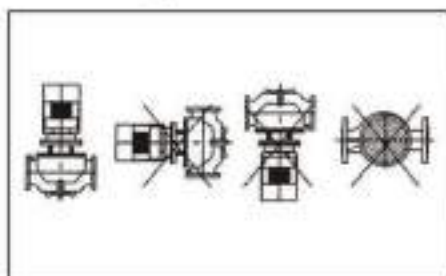
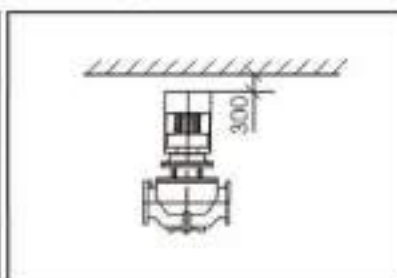


Figure 2-A

For power < 5.5 kW



For power ≥ 5.5 kW

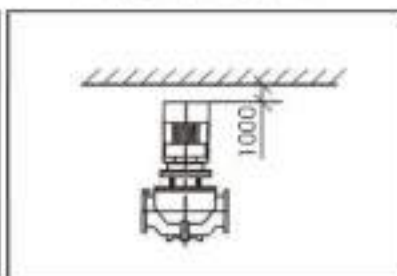


Figure 2-B

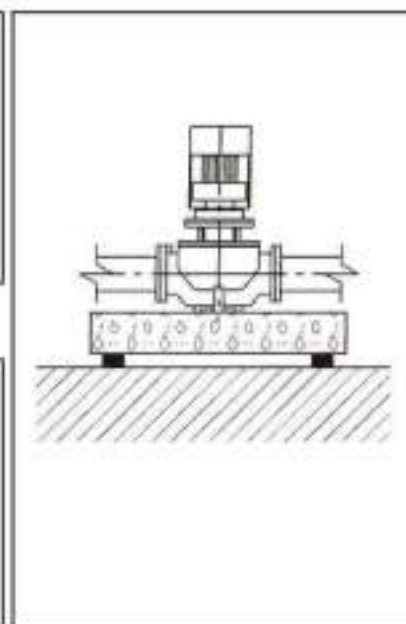


Figure 2-C

● Product structure and component material

The design of the pump is pump and motor. Pump part can be pulled out. The 800EU-880RIEU series are equipped with standard motor and mechanical seal. Motor is TEFC-standard motor. Its major dimensions are in conformity with JB/T8680 standard.

The pump body is equal to a section of pipeline. While in maintenance, blind flange can be used to seal to pump cover which enable the normal operation of pumps.

The flange connection dimension are in conformity with the related provisions PN16 in GB/T 17241.6 or ISO7005-2/DIN 2501.

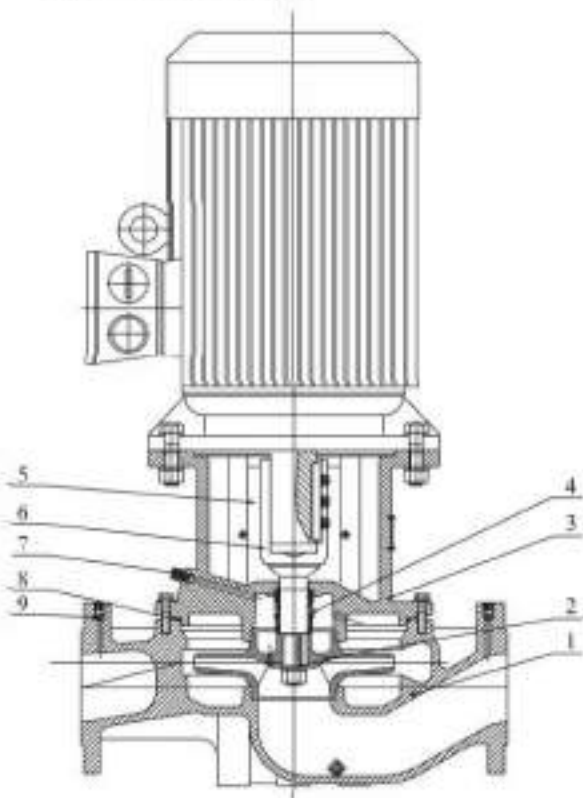
The inlet and outlet diameters are inconformity with related standard dimensions.

The pump head is to connect motor and the pump. "O" ring is used to seal the pump head and the pump.

See Table 4 for component materials.

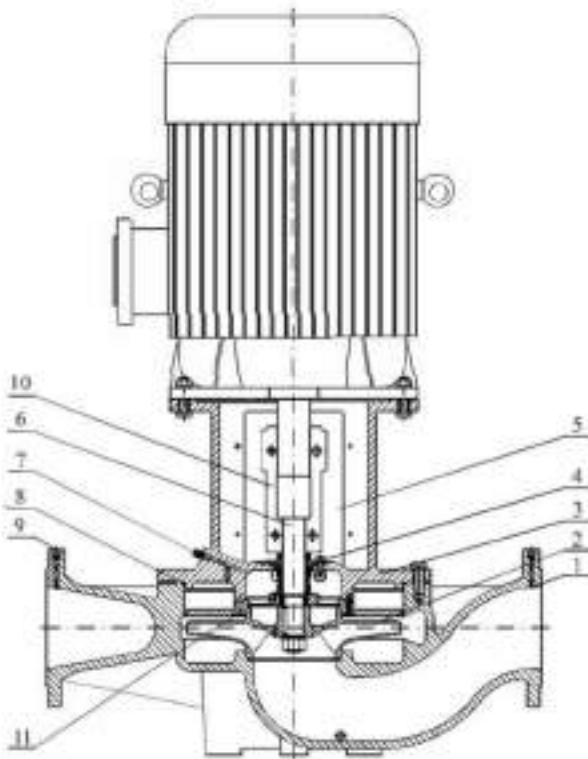
● Section drawing 880EU32 ~ 880EU150 Extension Shaft

● Material 880EU32 ~ 880EU150 Extension Shaft



NO.	Parts	Material
1	Pump body	HT200
2	Impeller	HT200/0Cr18Ni9
3	Pump head	HT200
4	Mechanical seal	Carbon /Silicon Carbide
5	Guard plate	0Cr18Ni9
6	Shaft	2Cr13
7	Air release bolt	Brass H62
8	Ring	NBR
9	Plug	0Cr18Ni9

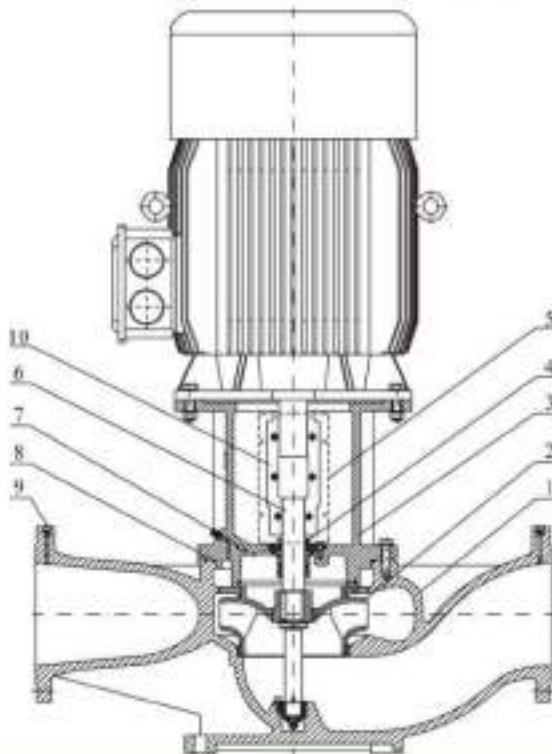
● Section drawing 880RIEU125 ~ 880RIEU150 easy maintenance structure



● Material 880RIEU125 ~ 880RIEU150 easy maintenance structure

NO.	Parts	Material
1	Pump body	HT200
2	Impeller	HT200/0Cr18Ni9
3	Pump head	HT200
4	Mechanical seal	Carbon/Silicon Carbide
5	Guard plate	0Cr18Ni9
6	Shaft	2Cr13
7	Air release valve	Brass H62
8	O ring	NBR
9	Plug	0Cr18Ni9
10	Coupling	Cast Steel ZG270-500
11	Bearing ring	HT200

● Section drawing 880RIEU200 ~ 880RIEU250 easy maintenance structure



● Material 880RIEU200 ~ 880RIEU250 easy maintenance structure

NO.	Parts	Material
1	Pump body	HT200
2	Impeller	HT200
3	Pump head	HT200
4	Mechanical seal	Carbon /Silicon Carbide
5	Guard plate	0Cr18Ni9
6	Shaft	2Cr13
7	Air release valve	Brass H62
8	O ring	NBR
9	Plug	0Cr18Ni9
10	Coupling	Cast Steel ZG270-500

Appendix-Base plate

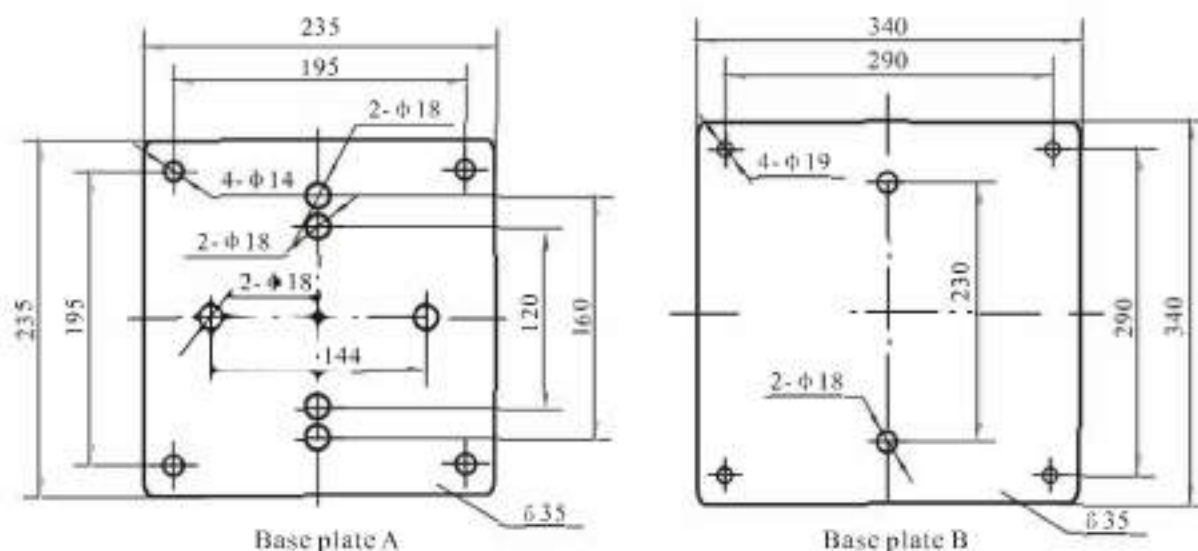


table 4

50Hz

NO.	Product model	Base plate type	NO.	Product model	Base plate type	NO.	Product model	Base plate type
1	800EU32-18/2	A	27	800EU50-60/2	A	53	800EU100-9/2	A
2	800EU32-21/2	A	28	800EU50-70/2	A	54	800EU100-15/2	A
3	800EU32-25/2	A	29	800EU50-81/2	A	55	800EU100-17/2	A
4	800EU32-32/2	A	30	800EU65-36/2	A	56	800EU100-22/2	A
5	800EU32-38/2	A	31	800EU65-48/2	A	57	800EU100-27/2	A
6	800EU32-50/2	A	32	800EU65-15/2	A	58	800EU100-33/2	A
7	800EU40-16/2	A	33	800EU65-19/2	A	59	800EU100-40/2	B
8	800EU40-20/2	A	34	800EU65-22/2	A	60	800EU100-48/2	B
9	800EU40-18/2	A	35	800EU65-30/2	A	61	800EU100-52/2	B
10	800EU40-25/2	A	36	800EU65-34/2	A	62	800EU125-11/4	B
11	800EU40-30/2	A	37	800EU65-40/2	A	63	800EU125-14/4	B
12	800EU40-36/2	A	38	800EU65-50/2	A	64	800EU125-18/4	B
13	800EU40-48/2	A	39	800EU65-61/2	A	65	800EU125-22/4	B
14	800EU50-32/2	A	40	800EU65-67/2	A	66	800EU125-28/4	B
15	800EU50-38/2	A	41	800EU65-83/2	A	67	800EU125-32/4	B
16	800EU50-48/2	A	42	800EU80-13/2	A	68	800EU125-40/4	B
17	800EU50-58/2	A	43	800EU80-18/2	A	69	800EU125-48/4	B
18	800EU50-80/2	A	44	800EU80-22/2	A	70	800EU150-12.5/4	B
19	800EU50-12/2	A	45	800EU80-28/2	A	71	800EU150-17/4	B
20	800EU50-15/2	A	46	800EU80-40/2	A	72	800EU150-21/4	B
21	800EU50-18/2	A	47	800EU80-48/2	A	73	800EU150-25/4	B
22	800EU50-24/2	A	48	800EU80-30/2	A	74	800EU150-33/4	B
23	800EU50-28/2	A	49	800EU80-38/2	A	75	800EU150-40/4	B
24	800EU50-35/2	A	50	800EU80-47/2	A	76	800EU150-50/4	B
25	800EU50-40/2	A	51	800EU80-54/2	A			
26	800EU50-50/2	A	52	800EU80-67/2	A			

table 5

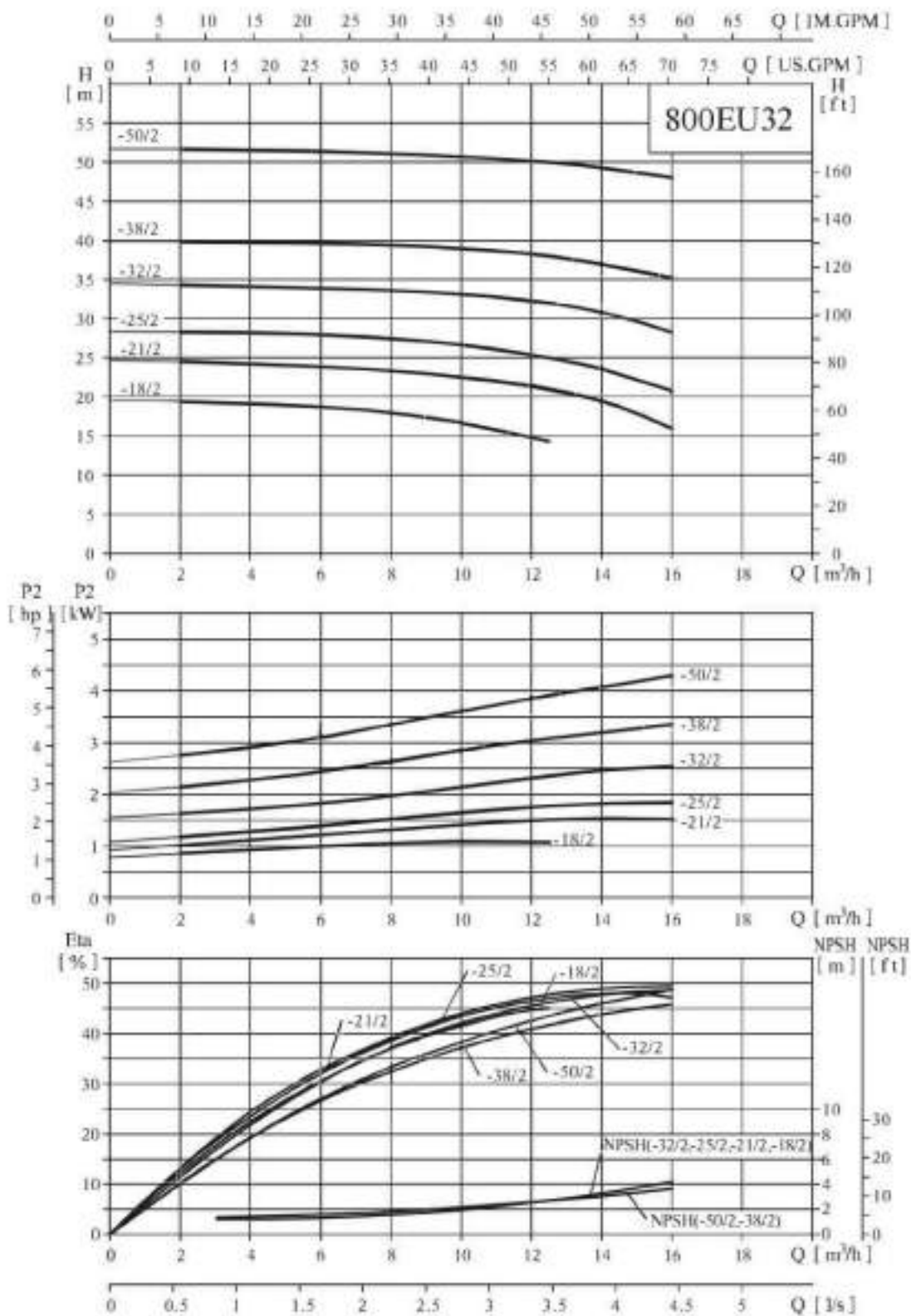
60Hz

NO.	Product model	Base plate type	NO.	Product model	Base plate type	NO.	Product model	Base plate type
1	800EU32-24/2	A	25	800EU50-84/2	A	49	800EU100-17/2	A
2	800EU32-27/2	A	26	800EU50-98/2	A	50	800EU100-22/2	A
3	800EU32-30/2	A	27	800EU65-20/2	A	51	800EU100-25/2	B
4	800EU32-38/2	A	28	800EU65-25/2	A	52	800EU100-32/2	B
5	800EU32-46/2	A	29	800EU65-32/2	A	53	800EU100-34/2	B
6	800EU32-57/2	A	30	800EU65-38/2	A	54	800EU100-38/2	B
7	800EU32-72/2	A	31	800EU65-46/2	A	55	800EU100-52/2	B
8	800EU40-20/2	A	32	800EU65-55/2	A	56	800EU100-60/2	B
9	800EU40-24/2	A	33	800EU65-60/2	A	57	800EU125-11/4	B
10	800EU40-28/2	A	34	800EU65-73/2	A	58	800EU125-14/4	B
11	800EU40-32/2	A	35	800EU65-85/2	A	59	800EU125-20/4	B
12	800EU40-35/2	A	36	800EU65-100/2	A	60	800EU125-24/4	B
13	800EU40-42/2	A	37	800EU80-12/2	A	61	800EU125-28/4	B
14	800EU40-65/2	A	38	800EU80-17/2	A	62	800EU125-32/4	B
15	800EU40-76/2	A	39	800EU80-20/2	A	63	800EU125-38/4	B
16	800EU40-85/2	A	40	800EU80-26/2	A	64	800EU125-40/4	B
17	800EU50-20/2	A	41	800EU80-30/2	A	65	800EU125-46/4	B
18	800EU50-27/2	A	42	800EU80-38/2	A	66	800EU150-15/4	B
19	800EU50-34/2	A	43	800EU80-47/2	A	67	800EU150-18/4	B
20	800EU50-40/2	A	44	800EU80-52/2	A	68	800EU150-20/4	B
21	800EU50-42/2	A	45	800EU80-70/2	A	69	800EU150-24/4	B
22	800EU50-51/2	A	46	800EU80-81/2	A	70	800EU150-32/4	B
23	800EU50-62/2	A	47	800EU100-11/2	A	71	800EU150-36/4	B
24	800EU50-72/2	A	48	800EU100-15/2	A	72	800EU150-44/4	B

Remark: Base plate is optional part, need to note when order.

● Performance curve

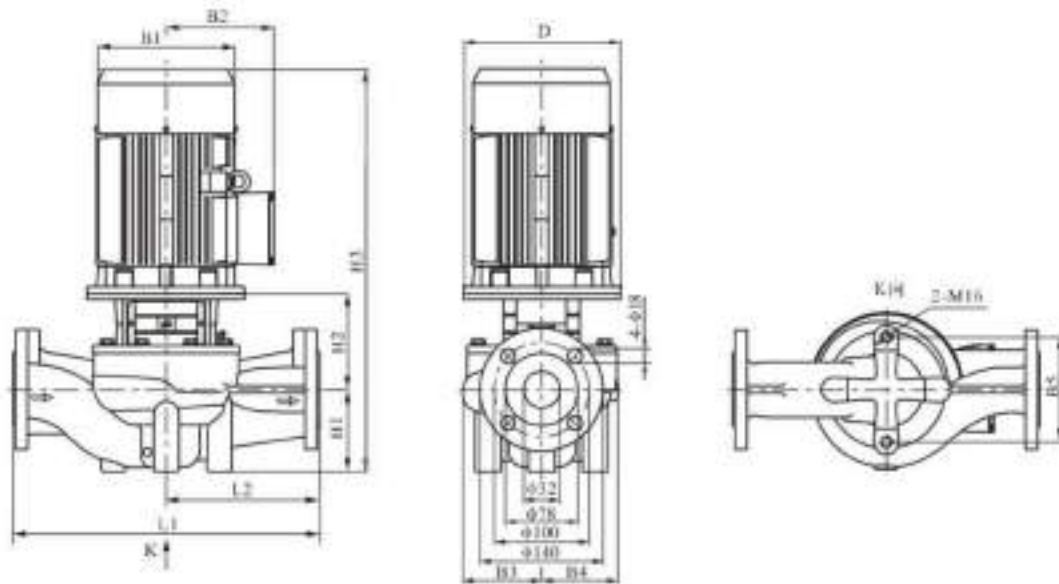
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	2	4	6	8	10	12.5	14	16
	(kW)	(hp)									
800EU32-18/2	1.1	1.5	H (m)	19.4	19.1	18.7	18	16.7	14.3		
800EU32-21/2	1.5	2		24.5	24.2	23.9	23.3	22.5	21	19.4	15.9
800EU32-25/2	2.2	3		28.3	28.2	28	27.5	26.7	25	23.6	20.7
800EU32-32/2	3	4		34.3	34.2	33.9	33.6	33.1	32	30.8	28.2
800EU32-38/2	4	5.5		39.8	39.8	39.7	39.4	39	38	37	35.2
800EU32-50/2	5.5	7.5		51.7	51.6	51.4	51.1	50.7	50	49.3	48

● Installation sketch

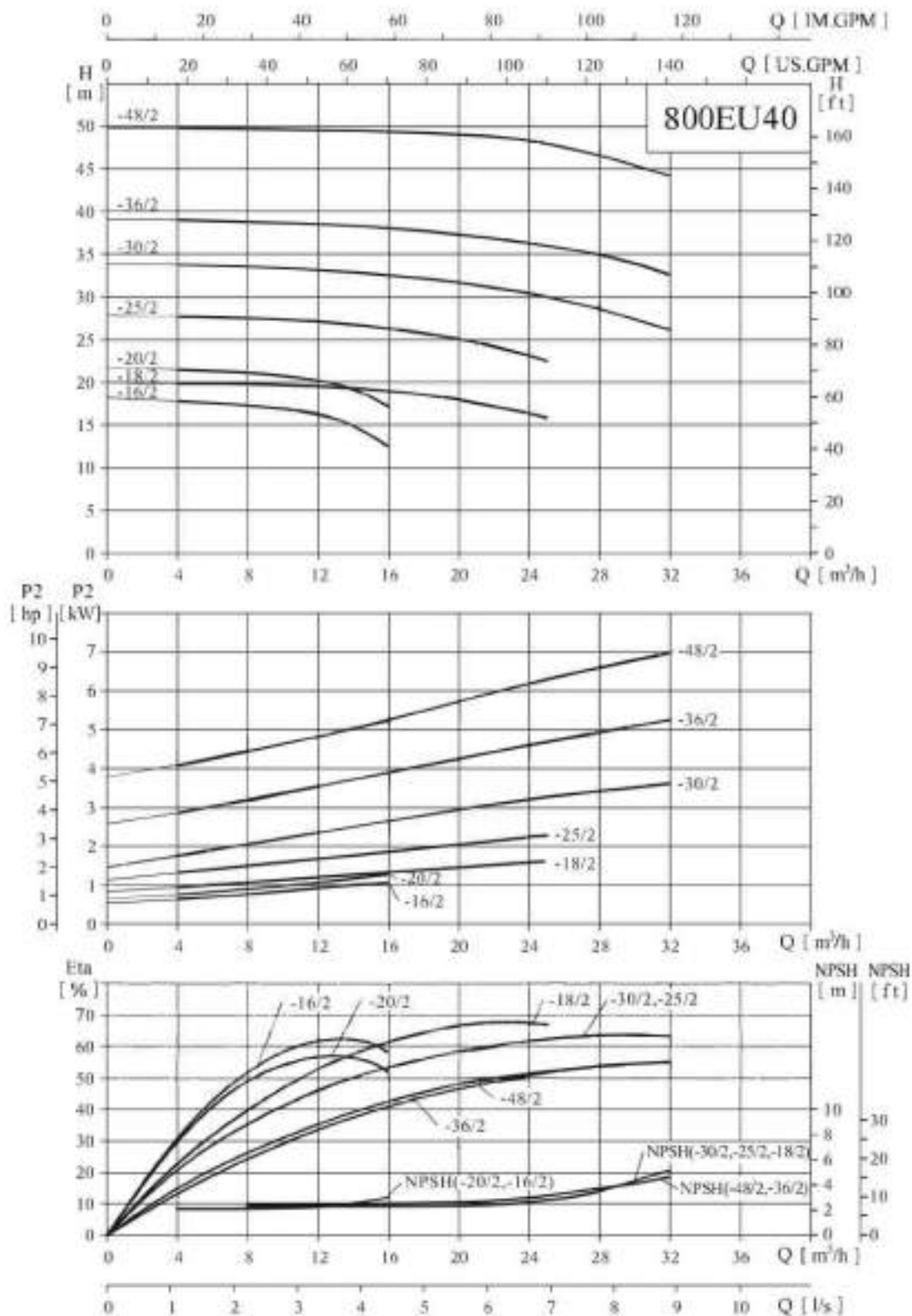


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU32-18/2	120	170	142	125	117	144	100	166	511	340	170	50
800EU32-21/2	140	190	155	125	117	144	100	166	556	340	170	56
800EU32-25/2	140	190	155	125	117	144	100	166	556	340	170	59
800EU32-32/2	160	197	165	125	117	144	100	185	630	340	170	68
800EU32-38/2	160	230	188	144	144	144	100	185	640	440	220	79
800EU32-50/2	200	260	208	144	144	144	100	213	703	440	220	104

● Performance curve

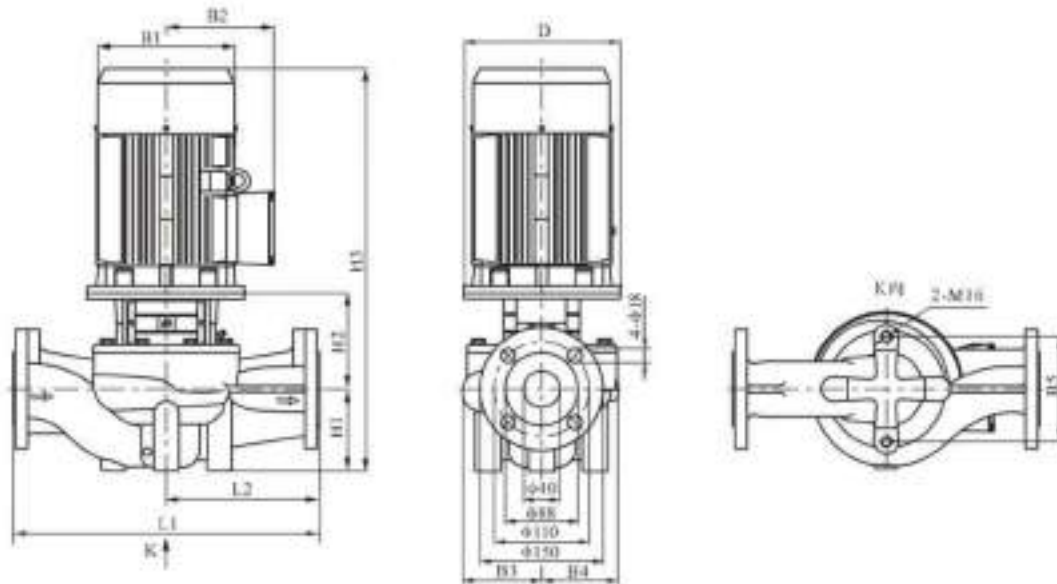
ISO9906 Annex A



Performance table

Model	Driving motor		Q (m ³ /h)	4	8	12.5	16	20	25	28	32
	(kW)	(hp)									
800EU40-16/2	1.1	1.5	H (m)	17.8	17.3	16	12.5				
800EU40-20/2	1.5	2		21.5	21.1	20	17.2				
800EU40-18/2	2.2	3		19.9	19.8	19.5	19	18	15.8		
800EU40-25/2	3	4		27.7	27.5	27.1	26.4	25	22.5		
800EU40-30/2	4	5.5		33.8	33.6	33.1	32.6	31.7	30	28.6	26.1
800EU40-36/2	5.5	7.5		39	38.8	38.5	38.1	37.3	36	35	32.6
800EU40-48/2	7.5	10		49.8	49.7	49.5	49.4	49	48	46.6	44.2

Installation sketch

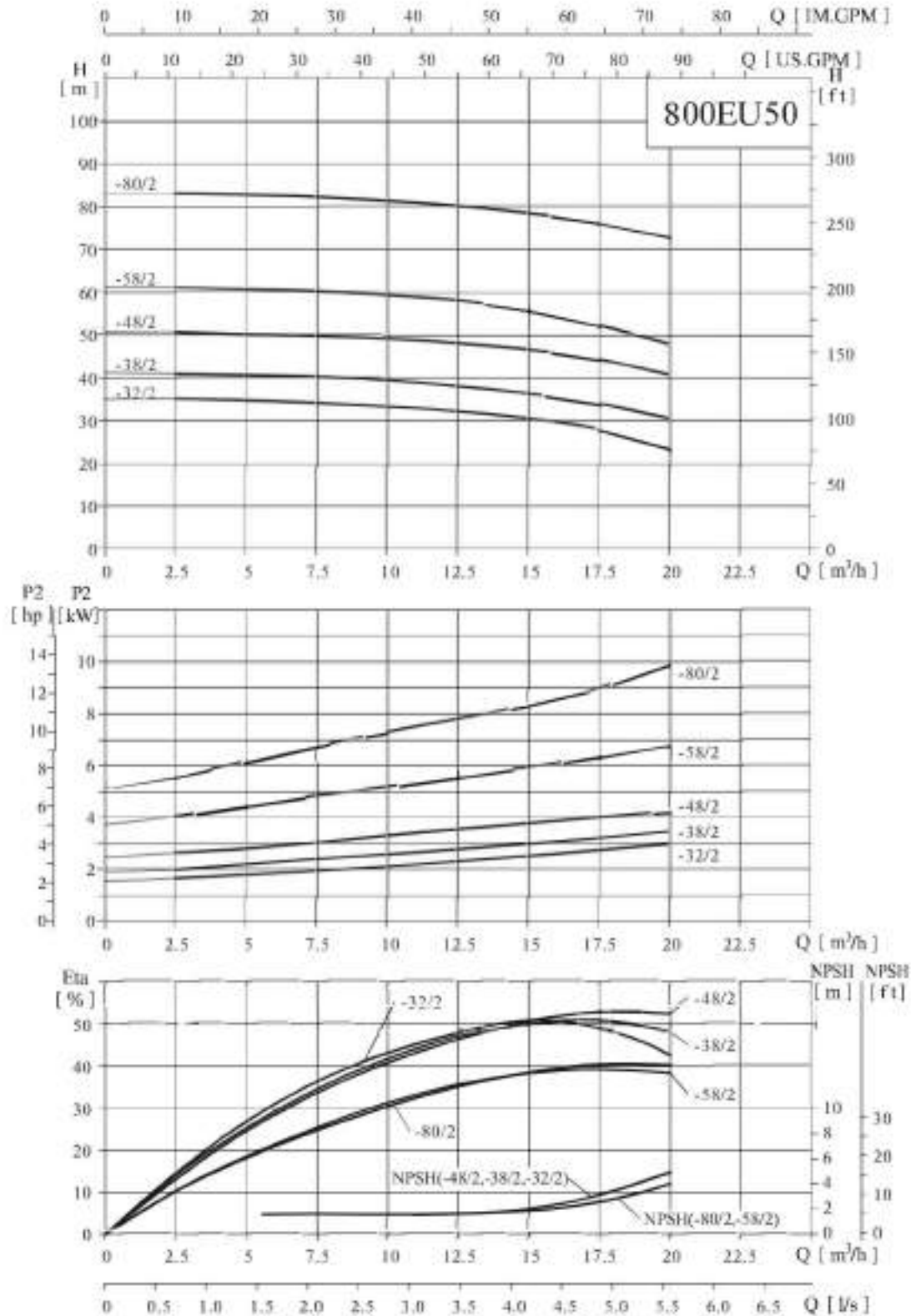


Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU40-16/2	120	170	142	97	96	120	68	150	463	320	160	40
800EU40-20/2	140	190	155	97	96	120	68	160	518	320	160	46
800EU40-18/2	140	190	155	110	95	144	100	167	557	340	170	53
800EU40-25/2	160	197	165	127	115	144	100	185	630	340	170	70
800EU40-30/2	160	230	188	127	115	144	100	185	640	340	170	77
800EU40-36/2	200	260	208	138	125	144	110	213	713	440	220	106
800EU40-48/2	200	260	208	138	125	144	110	213	713	440	220	110

● Performance curve

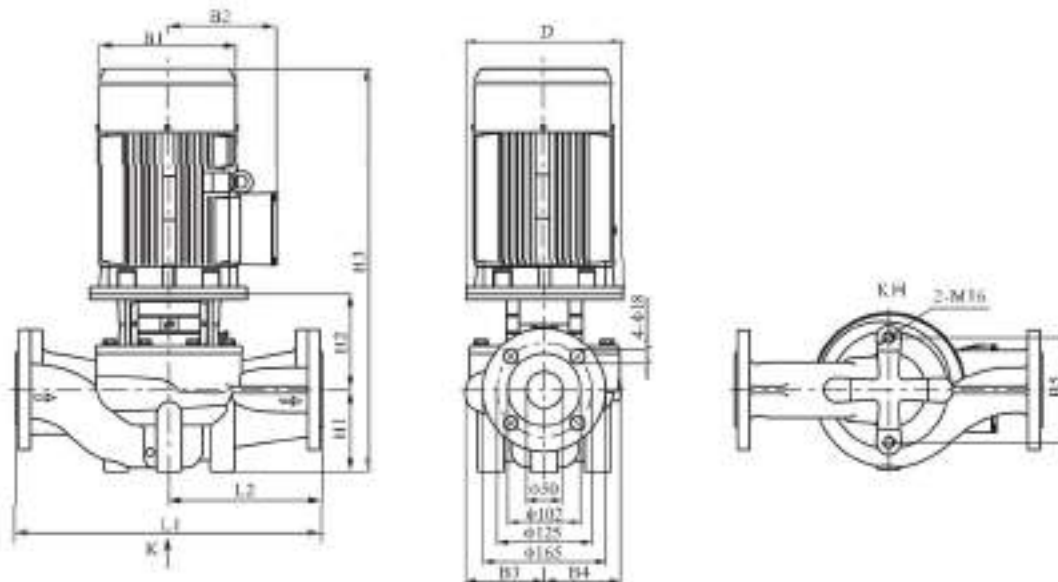
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	2.5	5	7.5	10	12.5	15	17.5	20
	(kW)	(hp)									
800EU50-32/2	3	4	H (m)	35	34.6	34	33.2	32	30.5	27.9	23.3
800EU50-38/2	4	5.5		40.8	40.6	40.2	39.2	38	36.2	33.9	30.4
800EU50-48/2	5.5	7.5		50.5	50	49.7	49	48	46.5	44.2	40.7
800EU50-58/2	7.5	10		61	60.6	60.1	59.2	58	55.7	52.2	47.8
800EU50-80/2	11	15		82.9	82.6	82.2	81.2	80	78.4	76.1	73

● Installation sketch

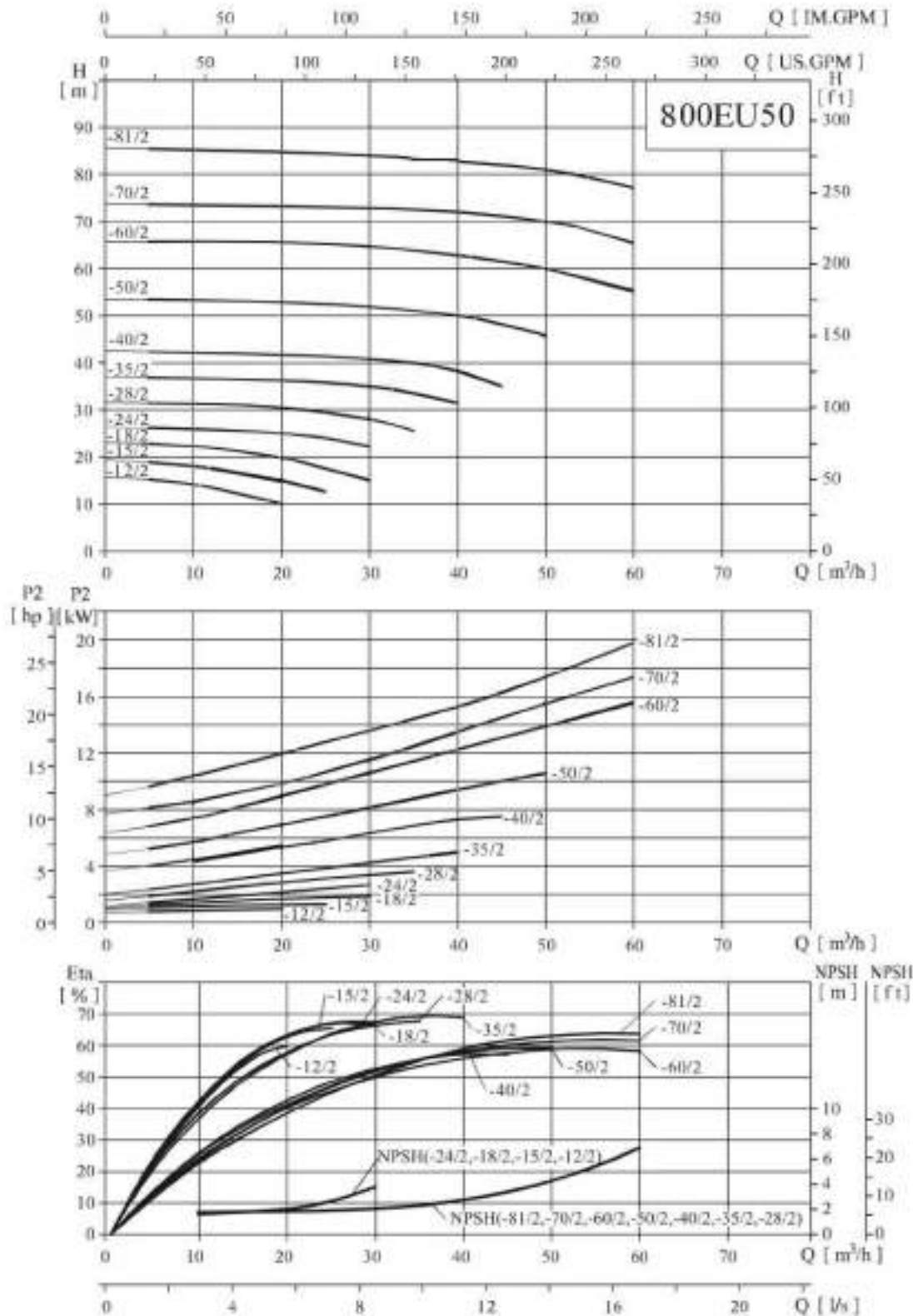


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU50-32/2	160	197	165	128	128	144	105	162	612	400	200	65
800EU50-38/2	160	230	188	128	128	144	105	162	622	400	200	71
800EU50-48/2	200	260	208	128	128	144	105	186	681	400	200	85
800EU50-58/2	200	260	208	163	163	144	105	196	692	440	220	110
800EU50-80/2	350	330	255	163	163	144	105	196	852	440	220	185

Performance curve

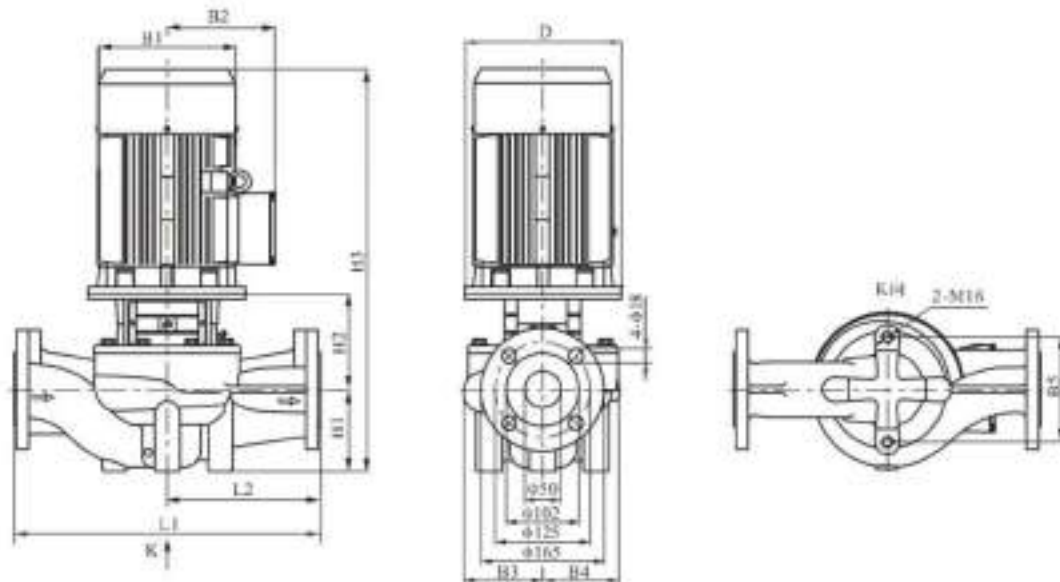
ISO9906 Annex A



Performance table

Model	Driving motor		Q (m ³ /h)	H (m)												
	(kW)	(hp)		5	10	16	20	25	30	35	40	45	50	60		
800EU 50-12/2	1.1	1.5		15.2	14.2	12	10									
800EU 50-15/2	1.5	2		18.9	18	16.5	15	12.6								
800EU 50-18/2	2.2	3		22.8	22.3	21	19.8	18	15							
800EU 50-24/2	3	4		26.2	26	25.5	25	24	22.3							
800EU 50-28/2	4	5.5		31.5	31.3	31	30.5	29.5	28	25.5						
800EU 50-35/2	5.5	7.5		36.9	36.7	36.5	36.2	35.8	35	33.7	31.5					
800EU 50-40/2	7.5	10		42.3	42.2	41.9	41.7	41.3	40.8	40	38.3	35				
800EU 50-50/2	11	15		53.5	53.4	53.1	52.9	52.5	51.9	51.1	50	48.4	45.8			
800EU 50-60/2	15	20		65.7	65.8	65.7	65.6	65.3	64.7	63.9	62.8	61.6	60	55.4		
800EU 50-70/2	18.5	25		73.7	73.6	73.4	73.3	73.1	72.9	72.5	72	71.2	70	65.4		
800EU 50-81/2	22	30		85.5	85.3	85	84.8	84.5	84	83.5	82.8	82.1	81	77.1		

Installation sketch

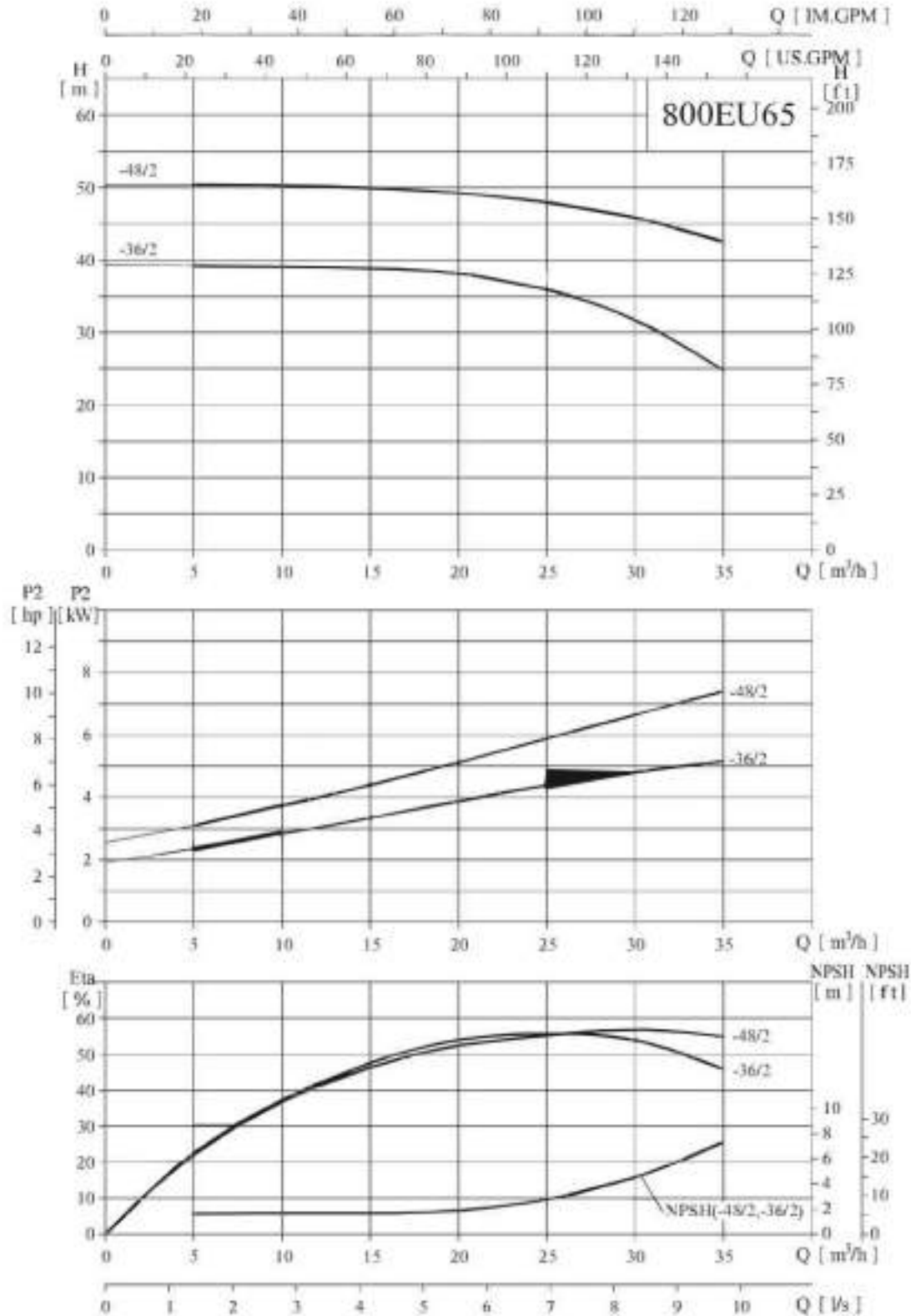


Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU 50-12/2	120	170	142	117	115	144	115	153	513	340	170	56
800EU 50-15/2	140	190	155	117	115	144	115	153	558	340	170	62
800EU 50-18/2	140	190	155	117	115	144	115	153	558	340	170	65
800EU 50-24/2	160	197	165	117	115	144	115	172	632	340	170	74
800EU 50-28/2	160	230	188	129	115	144	115	175	645	340	170	79
800EU 50-35/2	200	260	208	129	115	144	115	197	702	340	170	103
800EU 50-40/2	200	260	208	171	158	144	115	187	692	440	220	118
800EU 50-50/2	350	330	255	171	158	144	115	250	865	440	220	181
800EU 50-60/2	350	330	255	171	158	144	115	250	865	440	220	191
800EU 50-70/2	350	330	255	171	158	144	115	250	915	440	220	209
800EU 50-81/2	350	360	285	171	158	144	115	250	940	440	220	245

● Performance curve

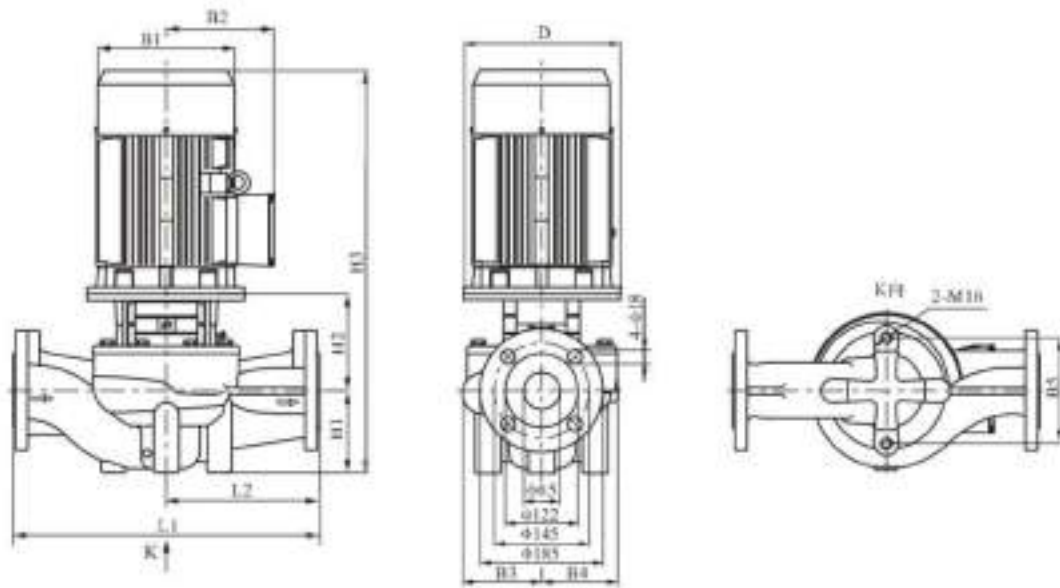
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	5	10	15	20	25	30	35
	(kW)	(hp)								
800EU 65-36/2	5.5	7.5	H (m)	39.2	39.1	38.9	38.2	36	31.8	24.8
800EU 65-48/2	7.5	10		50.4	50.3	50	49.3	48	45.9	42.5

● Installation sketch

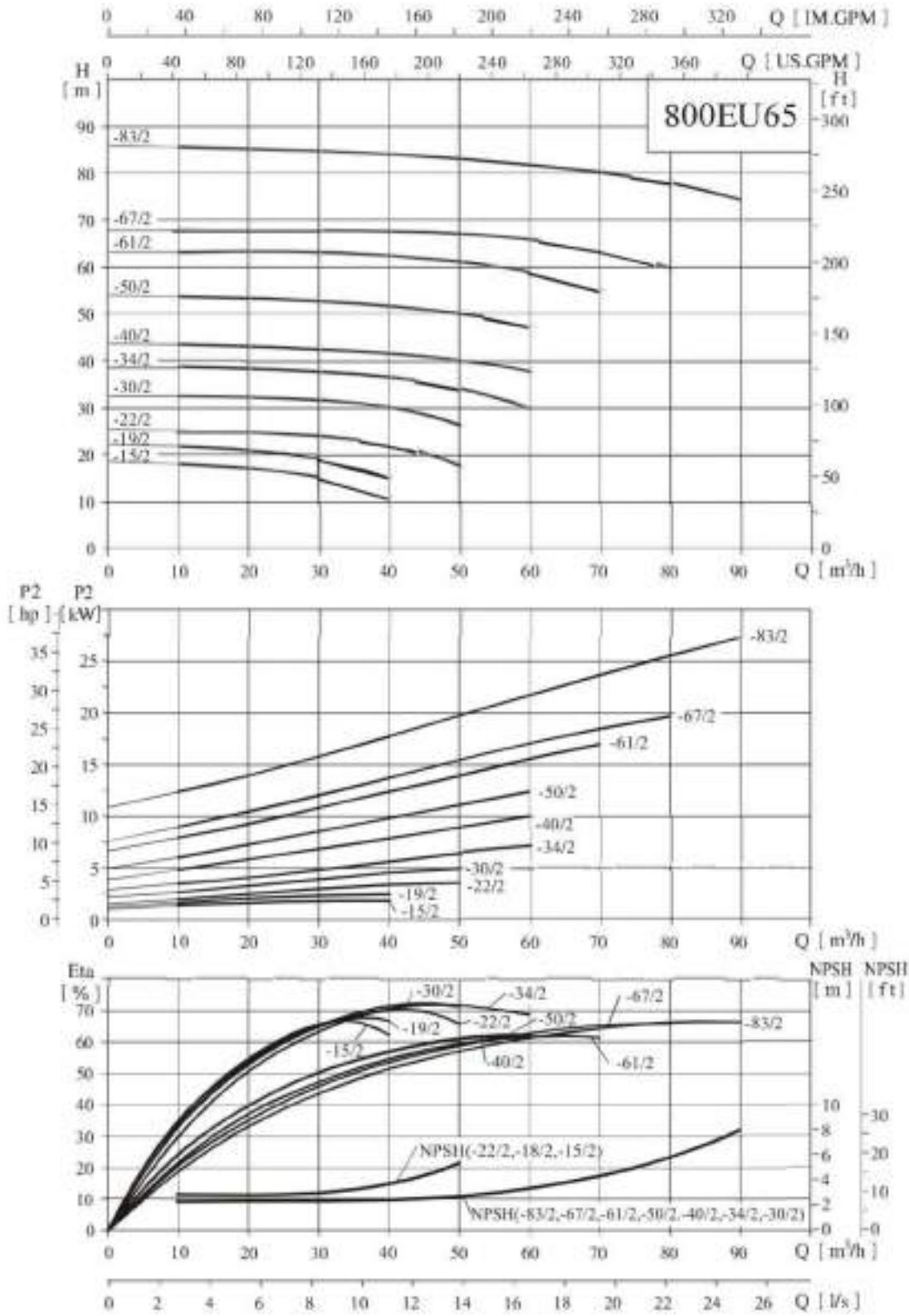


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU 65-36/2	200	260	208	128	128	144	105	194	689	400	200	87
800EU 65-48/2	200	260	208	128	128	144	105	194	689	400	200	91

● Performance curve

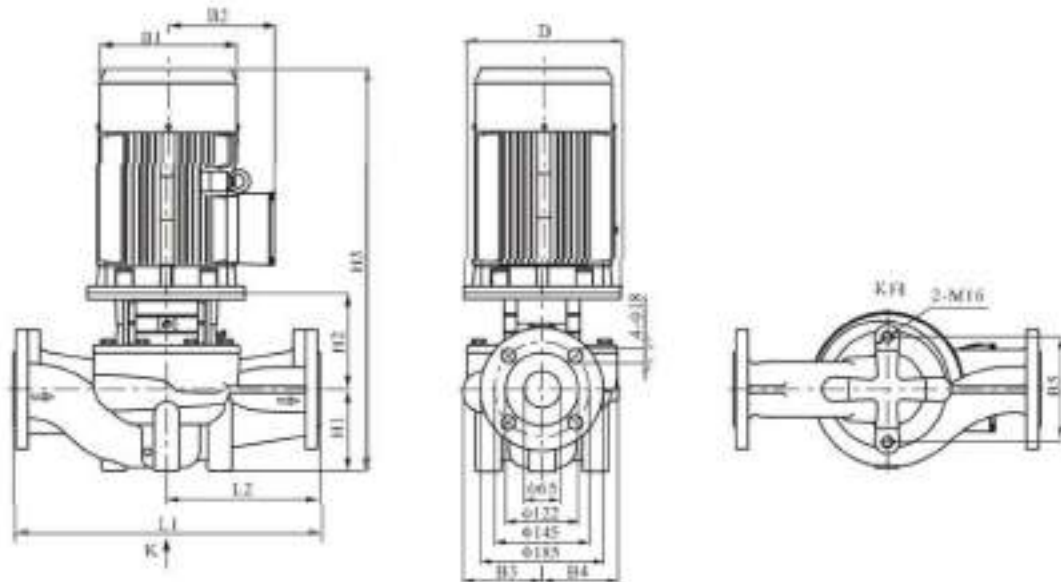
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	H (m)										
	(kW)	(hp)		10	20	30	40	50	60	70	80	90		
800EU/65-15/2	2.2	3		17.9	17	15	10.7							
800EU/65-19/2	3	4		21.7	20.8	19	15.2							
800EU/65-22/2	4	5.5		25.1	24.7	23.9	22	17.5						
800EU/65-30/2	5.5	7.5		32.4	32.1	31.5	30	26.1						
800EU/65-34/2	7.5	10		38.6	38.2	37.6	36.4	34	29.6					
800EU/65-40/2	11	15		43.4	42.9	42.3	41.4	40	37.6					
800EU/65-50/2	15	20		53.6	53.3	52.7	51.6	50	47.3					
800EU/65-61/2	18.5	25		63.1	63.2	63	62.3	61	58.8	54.8				
800EU/65-67/2	22	30		68	67.8	67.7	67.5	67	65.8	63.4	59.7			
800EU/65-83/2	30	40		85.4	85.1	84.6	83.9	83	81.7	80	77.8	74.2		

● Installation sketch

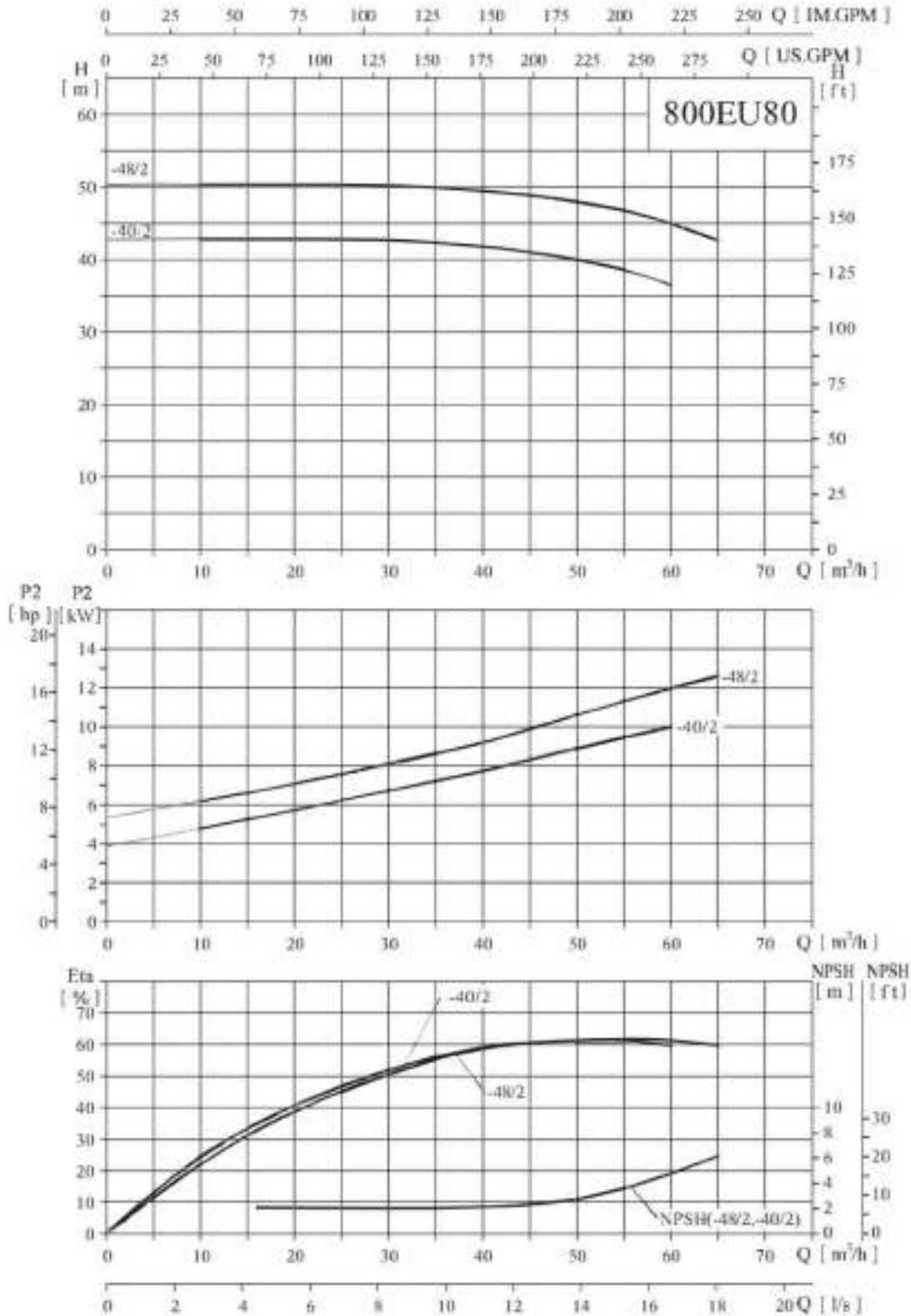


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU/65-15/2	140	190	155	142	124	144	105	172	567	360	180	65
800EU/65-19/2	160	197	165	142	124	144	105	191	641	360	180	74
800EU/65-22/2	160	230	188	142	124	144	105	191	651	360	180	81
800EU/65-30/2	200	260	208	142	124	144	105	213	708	360	180	105
800EU/65-34/2	200	260	208	142	124	144	105	213	708	360	180	108
800EU/65-40/2	350	330	255	179	167	144	125	262	887	475	238	183
800EU/65-50/2	350	330	255	179	167	144	125	262	887	475	238	193
800EU/65-61/2	350	330	255	179	167	144	125	262	937	475	238	210
800EU/65-67/2	350	330	255	179	167	144	125	262	962	475	238	248
800EU/65-83/2	400	400	310	179	167	144	125	262	1037	475	238	309

● Performance curve

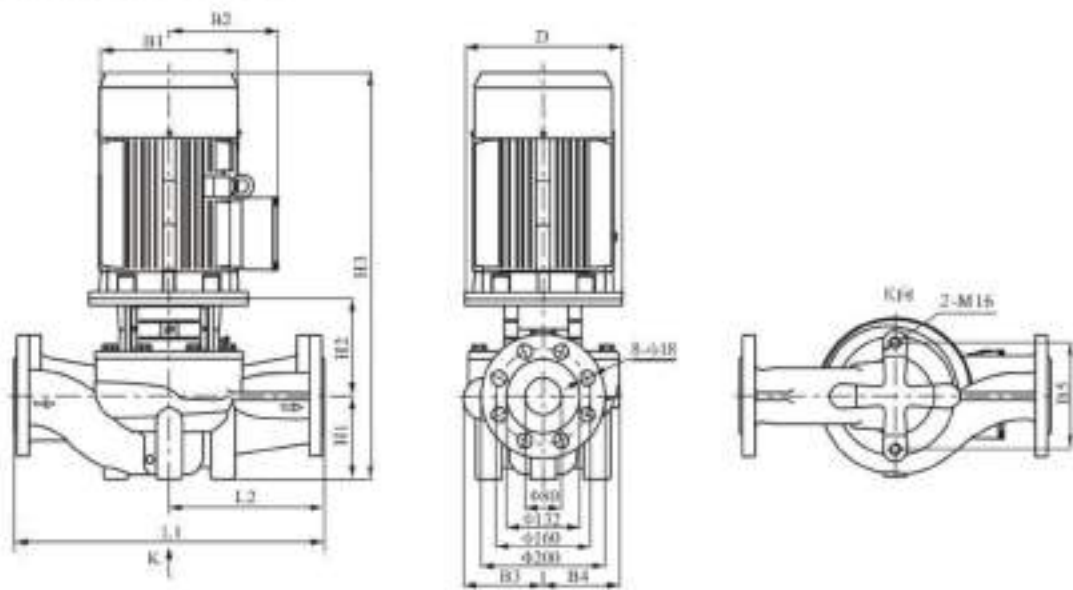
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	10	20	30	40	50	60	65
	(kW)	(hp)		H (m)						
800EU/80-40/2	11	15		42.8	42.8	42.7	41.8	40	36.5	
800EU/80-48/2	15	20		50.4	50.4	50.2	49.5	48	45	42.6

● Installation sketch

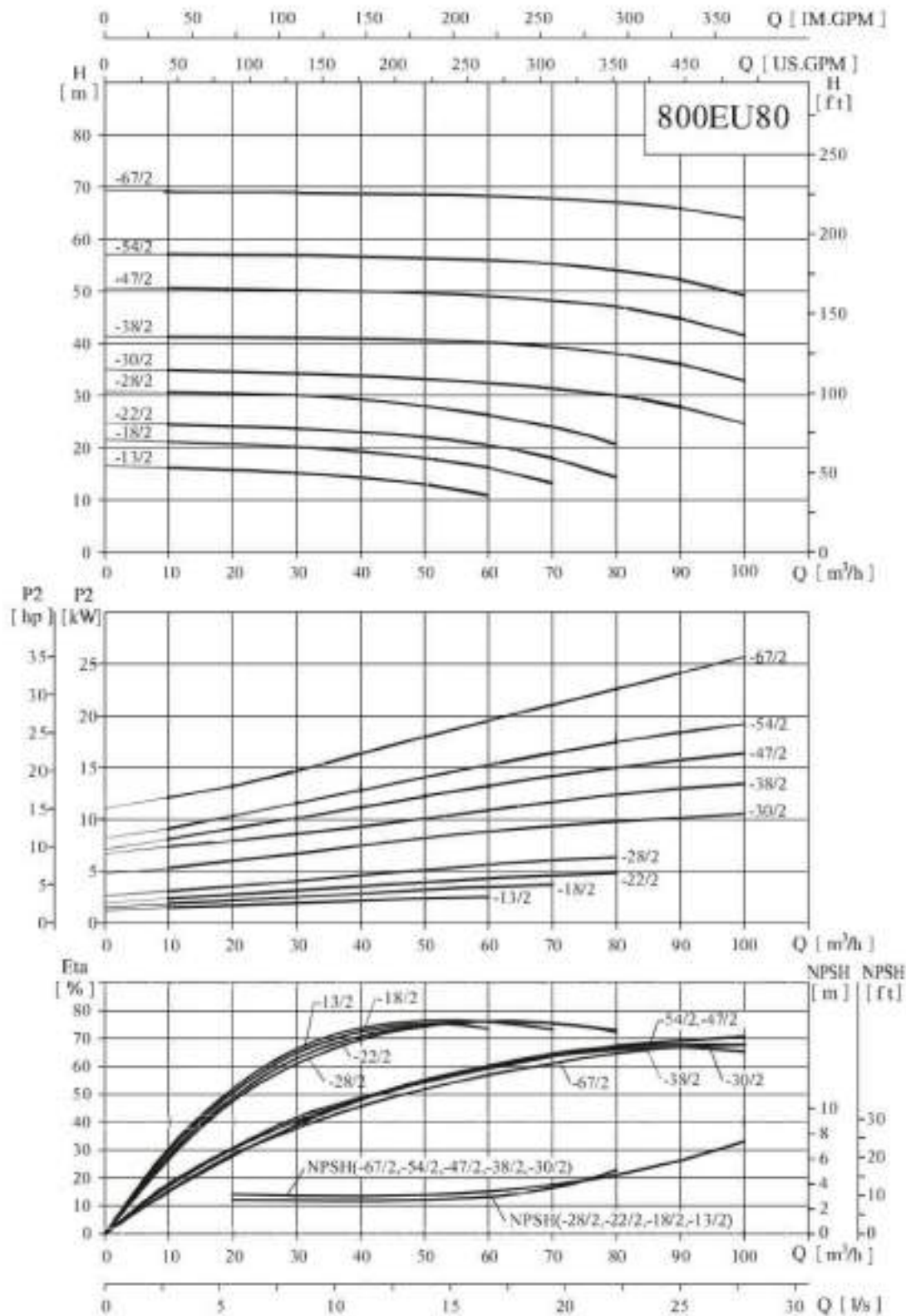


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU/80-40/2	350	330	255	137	128	144	115	240	855	500	250	170
800EU/80-48/2	350	330	255	137	128	144	115	240	855	500	250	181

● Performance curve

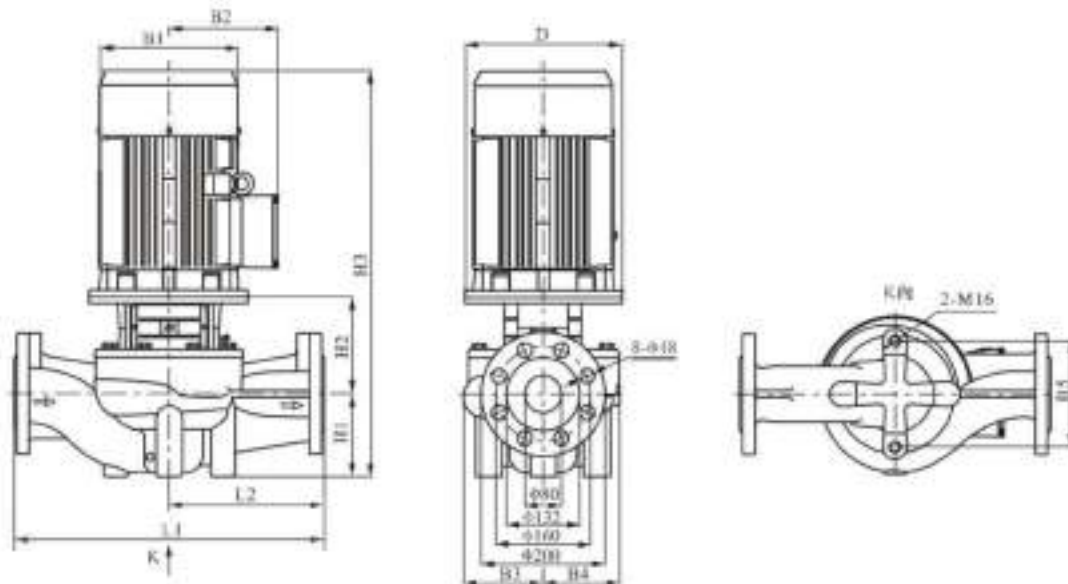
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	H (m)											
	(kW)	(hp)		10	20	30	40	50	60	70	80	90	100		
800EU80-13/2	3	4		16.1	15.8	15.2	14.3	13	10.9						
800EU80-18/2	4	5.5		21.1	20.8	20.2	19.2	18	16.2	13.2					
800EU80-22/2	5.5	7.5		24.4	24.1	23.7	23	22	20.5	18	14.3				
800EU80-28/2	7.5	10		30.6	30.4	30	29.3	28	26.3	24	20.6				
800EU80-30/2	11	15		34.8	34.5	34.2	33.8	33.2	32.4	31.3	30	27.8	24.7		
800EU80-38/2	15	20		41.2	41.2	41.1	40.9	40.6	40.1	39.3	38	36	32.9		
800EU80-47/2	18.5	25		50.6	50.4	50	49.8	49.6	49.1	48.3	47	44.8	41.4		
800EU80-54/2	22	30		57	57	56.8	56.6	56.3	56	55.3	54	52.2	49.2		
800EU80-67/2	30	40		69.2	69	68.8	68.7	68.6	68.3	67.8	67	65.9	63.9		

● Installation sketch

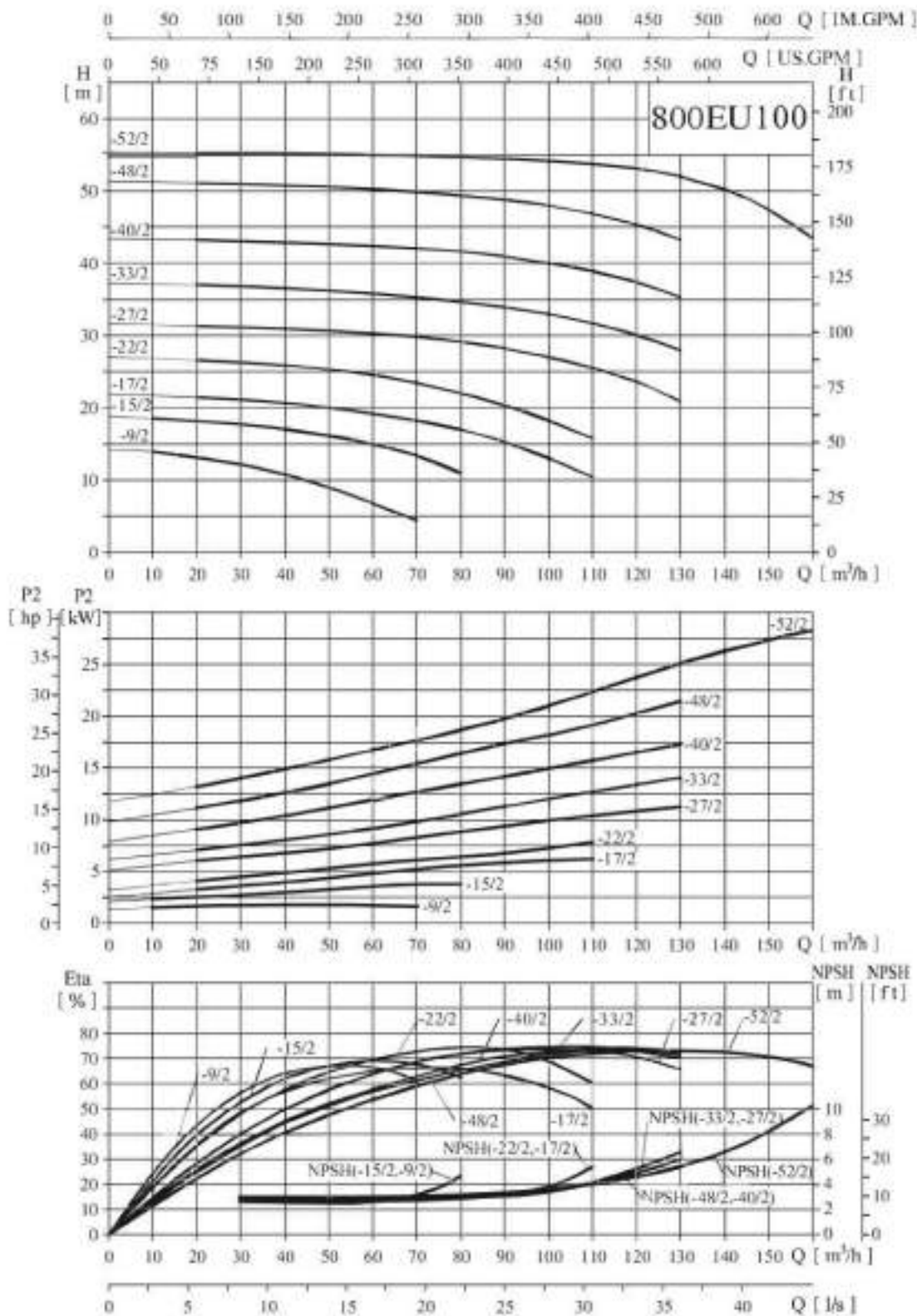


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU80-13/2	160	197	165	142	124	160	97	219	661	450	225	84
800EU80-18/2	160	230	188	142	124	160	97	219	671	450	225	91
800EU80-22/2	200	260	208	142	124	160	97	241	728	450	225	114
800EU80-28/2	200	260	208	142	124	160	97	241	728	450	225	117
800EU80-30/2	350	330	255	182	163	144	115	279	894	500	250	194
800EU80-38/2	350	330	255	182	163	144	115	279	894	500	250	204
800EU80-47/2	350	330	255	182	163	144	115	279	944	500	250	222
800EU80-54/2	350	330	255	182	163	144	115	279	969	500	250	258
800EU80-67/2	400	400	310	182	163	144	115	279	1044	500	250	319

● Performance curve

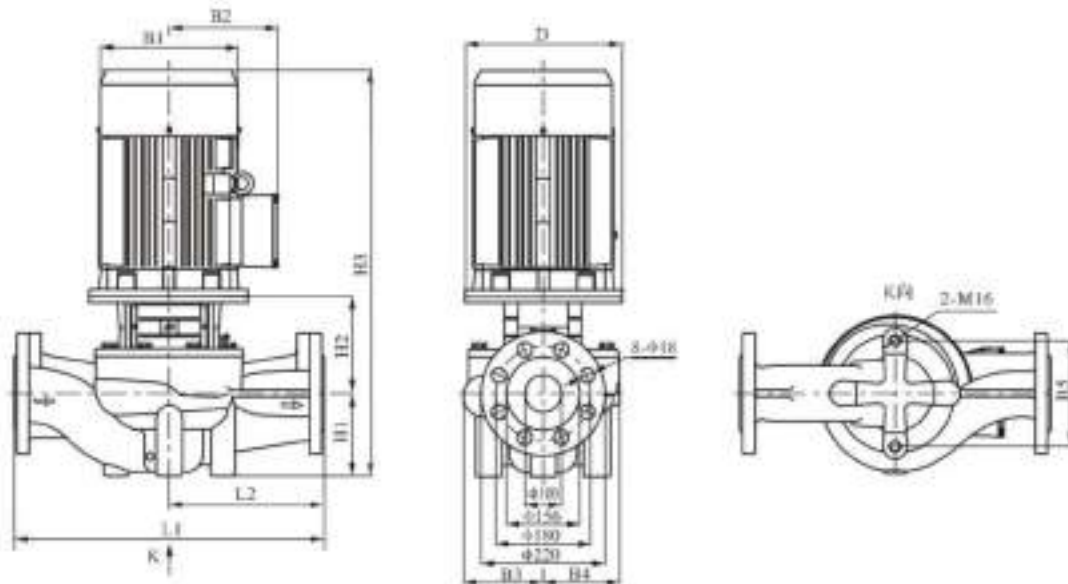
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	H (m)															
	(kW)	(hp)		10	20	30	40	50	60	70	80	90	100	110	120	130	145	160	
800EU 100-9/2	2.2	3		13.9	13.2	12.2	10.8	9	6.8	4.4									
800EU 100-15/2	4	5.5		18.6	18.2	17.7	17.1	16.2	15	13.4	11								
800EU 100-17/2	5.5	7.5		21.7	21.5	21.1	20.7	20	19.2	18.3	17	15.3	13	10.4					
800EU 100-22/2	7.5	10		26.8	26.6	26.3	25.9	25.3	24.5	23.4	22	20.3	18.2	15.8					
800EU 100-27/2	11	15		31.5	31.3	31.1	30.9	30.7	30.3	29.8	29.2	28.2	27	25.5	23.6	20.8			
800EU 100-33/2	15	20		37.1	37	36.8	36.6	36.2	35.8	35.3	34.7	33.9	33	31.7	30.1	27.9			
800EU 100-40/2	18.5	25		43.3	43.2	43.1	42.9	42.7	42.4	42.1	41.6	40.9	40	38.9	37.4	35.3			
800EU 100-48/2	22	30		51.2	51.1	51	50.8	50.6	50.3	49.9	49.4	48.8	48	46.9	45.3	43.2			
800EU 100-52/2	30	40		55.3	55.3	55.3	55.3	55.2	55.1	54.8	54.6	54.4	54.2	53.8	53.1	52	49	43.5	

● Installation sketch

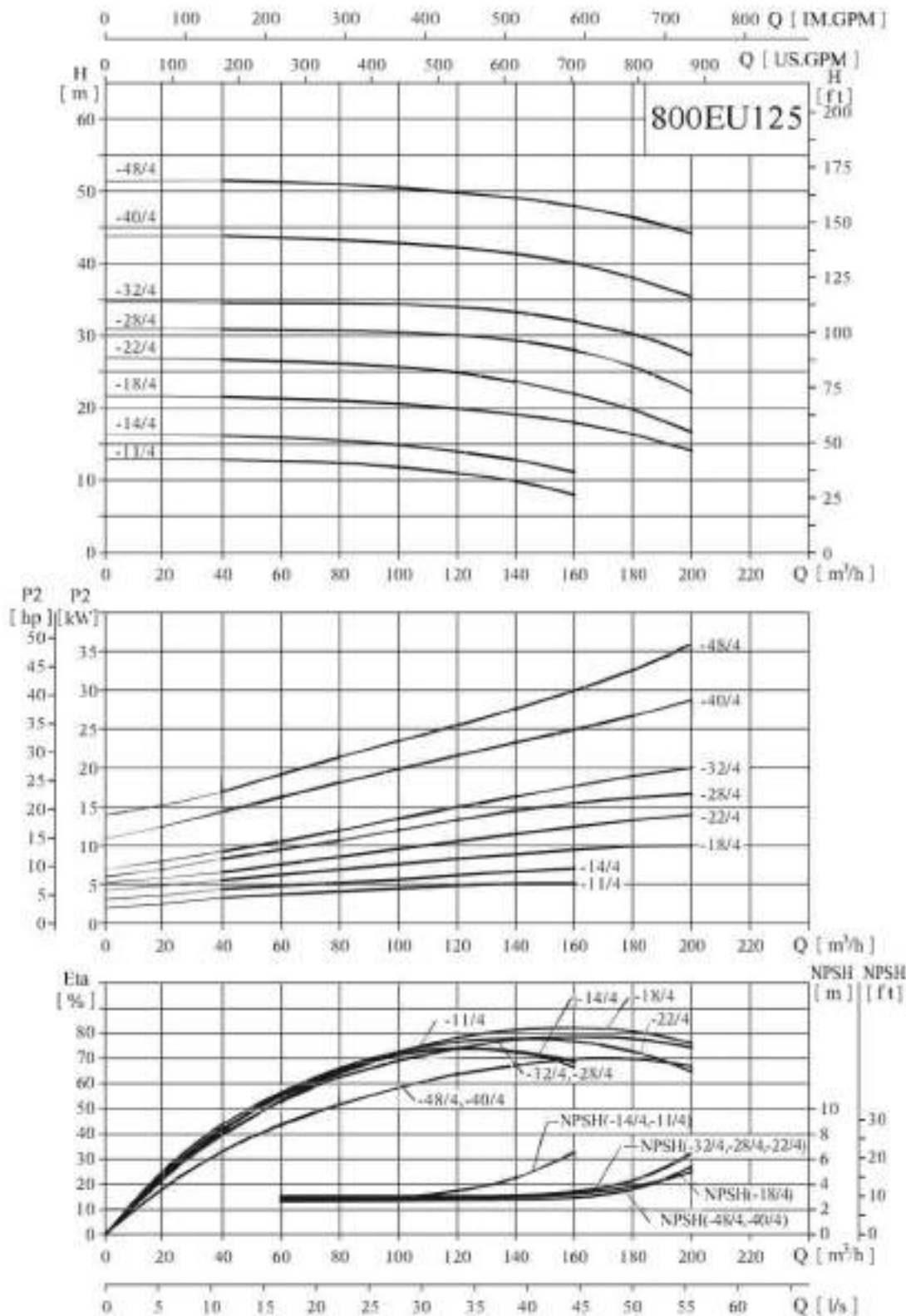


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU 100-9/2	140	175	155	134	101	160	105	178	573	450	225	65
800EU 100-15/2	160	215	190	134	101	160	105	190	650	450	225	83
800EU 100-17/2	200	260	205	150	117	144	140	215	745	500	250	119
800EU 100-22/2	200	260	205	150	117	144	140	215	745	500	250	122
800EU 100-27/2	350	350	245	147	123	144	140	260	900	550	275	183
800EU 100-33/2	350	350	265	147	123	144	140	260	900	550	275	194
800EU 100-40/2	350	350	265	181	152	230	140	270	960	550	275	224
800EU 100-48/2	350	350	280	181	152	230	140	270	985	550	275	260
800EU 100-52/2	400	400	305	181	152	230	140	270	1060	550	275	318

● Performance curve

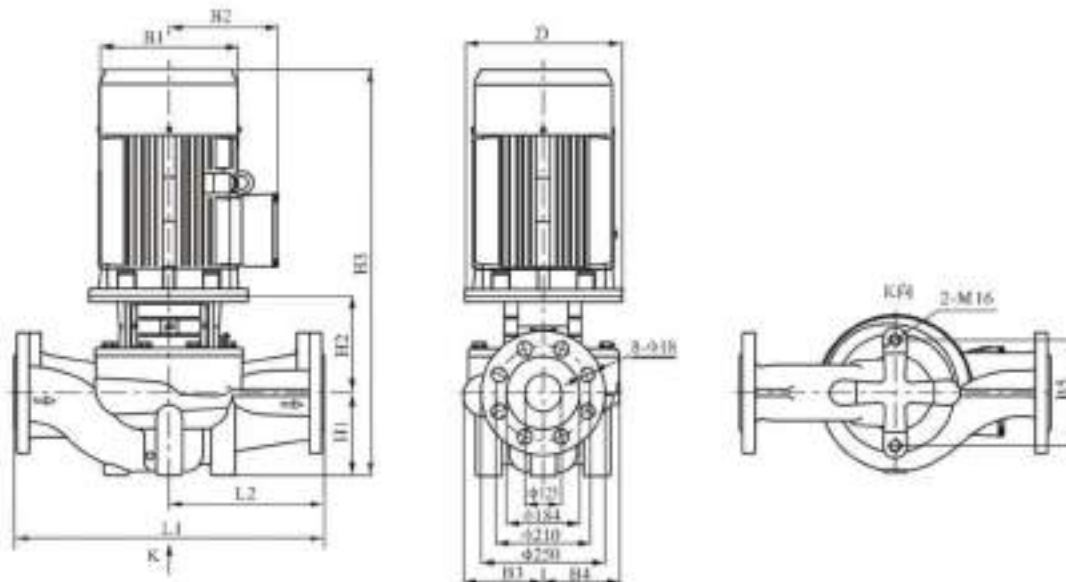
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	40	60	80	100	120	140	160	180	200
	(kW)	(hp)										
800EU125-1 1/4	5.5	7.5	H (m)	12.9	12.7	12.4	11.8	11	9.9	8		
800EU125-14/4	7.5	10		16.2	15.9	15.5	14.9	14	12.8	11.2		
800EU125-1 8/4	11	15		21.5	21.3	21	20.6	19.9	19.1	18	16.4	14.1
800EU125-22/4	15	20		26.7	26.5	26.2	25.7	24.9	23.7	22	19.8	16.7
800EU125-28/4	18.5	25		30.9	30.8	30.7	30.5	30.1	29.3	28	25.8	22.2
800EU125-32/4	22	30		34.6	34.6	34.5	34.4	34	33.3	32	30.2	27.3
800EU125-40/4	30	40		43.9	43.6	43.3	42.9	42.2	41.3	40	38	35.4
800EU125-48/4	37	50		51.5	51.3	51	50.5	49.9	49.1	48	46.4	44.2

● Installation sketch



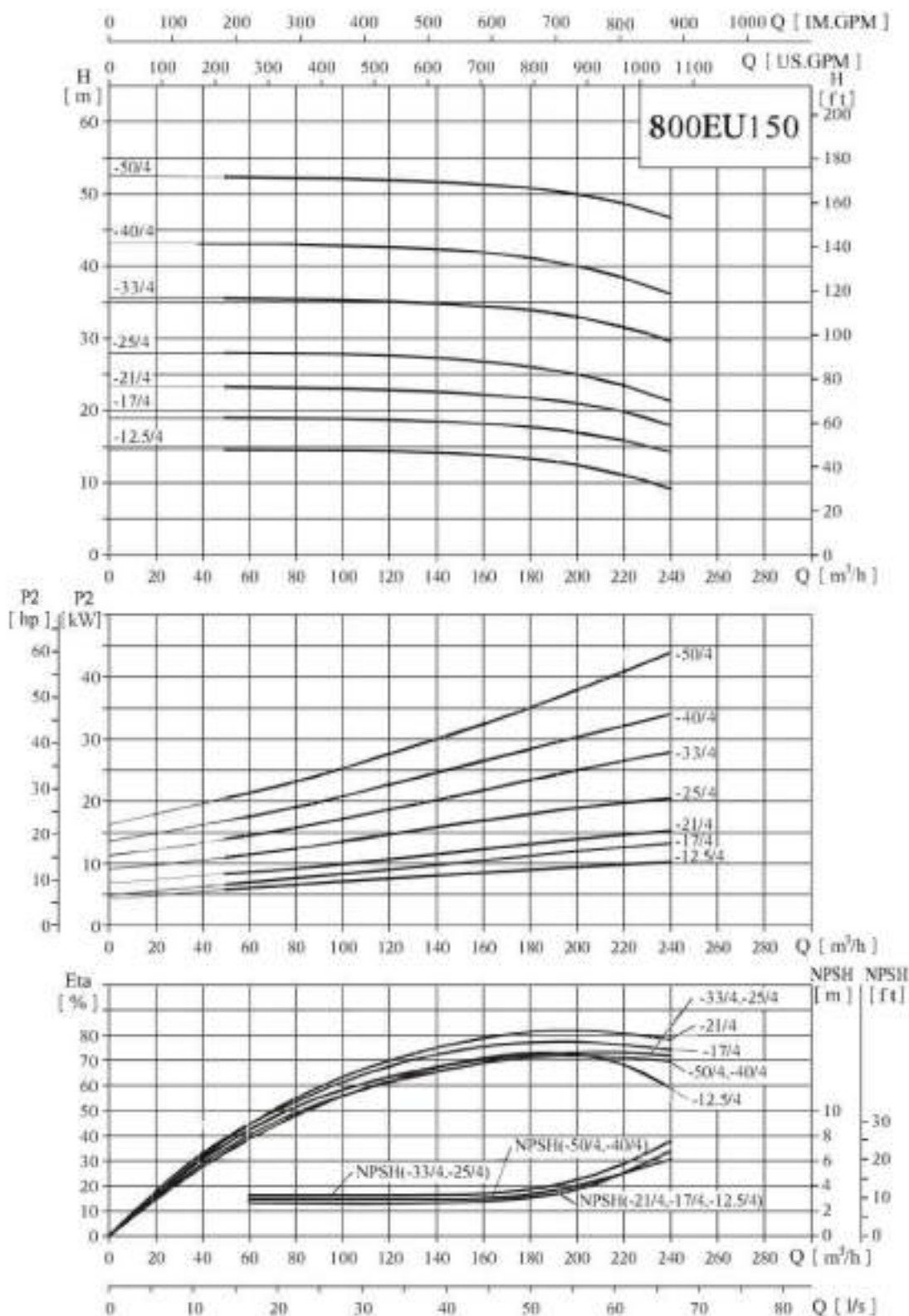
● Size and weight

Model	Size (mm)													Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H2*	H3	H3*	L1	L2	
800EU125-1 1/4	200	260	208	216	176	230	215	228	--	873	--	620	310	166(-)
800EU125-14/4	200	260	208	216	176	230	215	228	--	873	--	620	310	169(-)
800EU125-1 8/4	350	330	255	211	177	230	215	276	376	989	1089	800	400	257(265)
800EU125-22/4	350	330	255	236	208	230	215	292	395	1047	1150	800	400	302(314)
800EU125-28/4	350	330	255	236	208	230	215	292	395	1084	1187	800	400	321(348)
800EU125-32/4	350	330	255	236	208	230	215	292	395	1122	1225	800	400	356(362)
800EU125-40/4	400	400	310	272	248	230	215	315	411	1179	1275	800	400	442(460)
800EU125-48/4	450	450	325	272	248	230	215	315	442	1204	1331	800	400	498(528)

Attention: The size with "*" in the data is Easy-disassembled in-line pump size.
The weight in the braces is the weight of Easy-disassembled in-line pump.

Performance curve

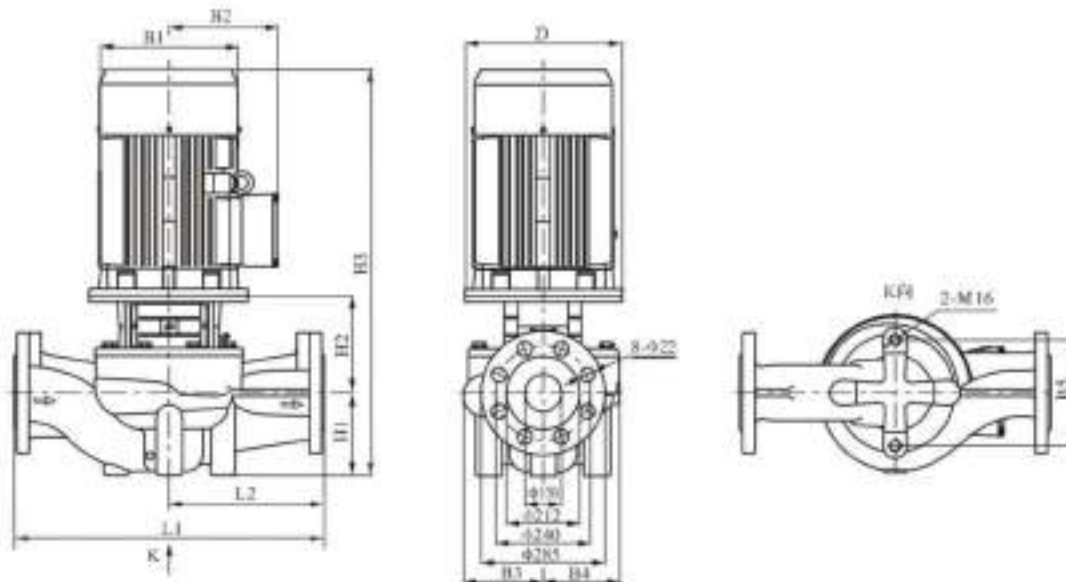
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	50	80	110	140	170	200	220	240
	(kW)	(hp)									
800EU150-12.5/4	11	15	H (m)	14.6	14.5	14.4	14.2	13.7	12.5	11.1	9.2
800EU150-17/4	15	20		18.8	18.8	18.7	18.5	18	17	16.1	15
800EU150-21/4	18.5	25		23.3	23.1	22.9	22.6	22	21	19.8	17.9
800EU150-25/4	22	30		28	28	27.8	27.3	26.5	25	23.5	21.3
800EU150-33/4	30	40		35.5	35.4	35.2	34.8	34.2	33	31.5	29.6
800EU150-40/4	37	50		43.1	43	42.8	42.4	41.6	40	38.4	36.2
800EU150-50/4	45	60		52.4	52.4	52	51.7	51.1	50	48.7	46.7

● Installation sketch



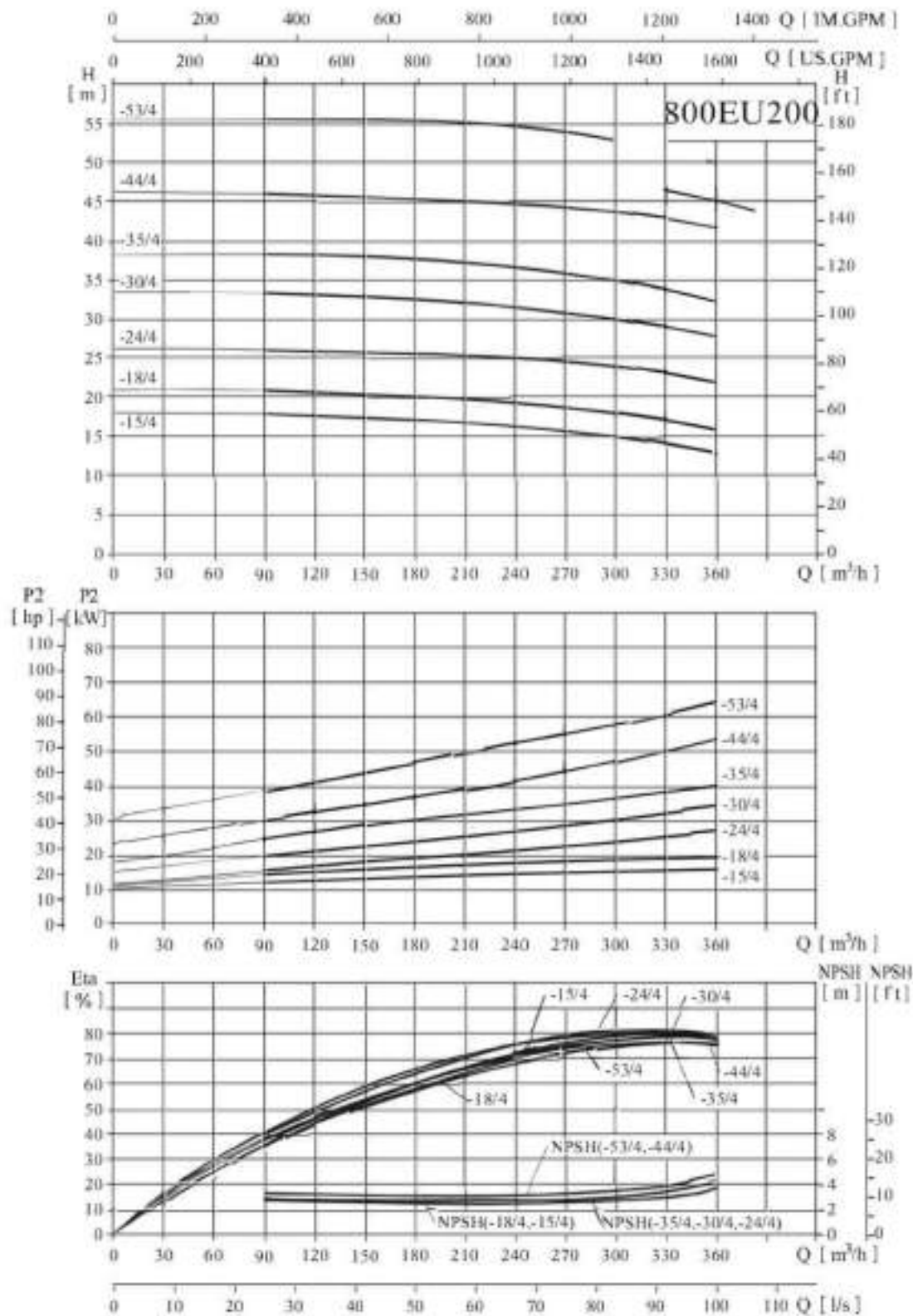
● Size and weight

Model	Size (mm)													Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H2*	H3	H3*	L1	L2	
800EU150-12.5/4	350	315	250	217	180	230	215	272	372	985	1085	800	400	257(271)
800EU150-17/4	350	315	250	217	180	230	215	272	372	1027	1127	800	400	278(291)
800EU150-21/4	350	360	275	217	180	230	215	272	372	1064	1164	800	400	313(325)
800EU150-25/4	350	360	275	238	208	230	215	269	372	1099	1202	800	400	354(373)
800EU150-33/4	400	400	305	238	208	230	215	269	385	1133	1249	800	400	406(425)
800EU150-40/4	450	450	325	267	248	230	230	288	416	1188	1316	900	450	511(537)
800EU150-50/4	450	450	325	267	248	230	230	288	416	1215	1343	900	450	548(573)

Attention: The size with "*" in the data is Easy-disassembled in-line pump size.
The weight in the braces is the weight of Easy-disassembled in-line pump.

● Performance curve

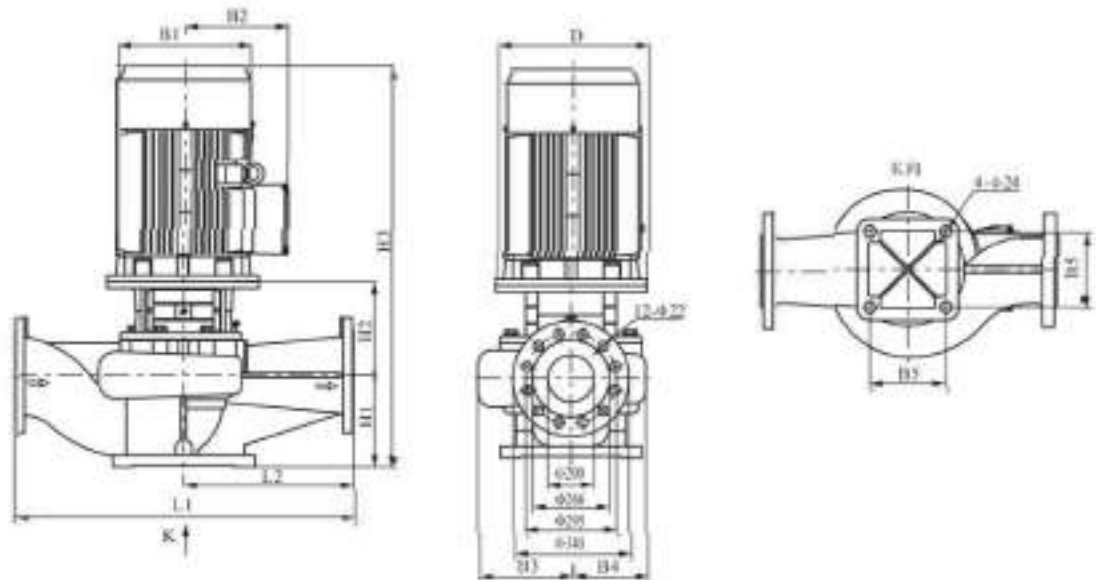
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	90	120	150	180	210	240	270	300	330	360
	(kW)	(hp)											
800EU200-15/4	18.5	25	H (m)	18	17.7	17.5	17.2	16.8	16.4	15.8	15	14.1	12.9
800EU200-18/4	22	30		21	20.7	20.5	20.2	19.8	19.4	18.8	18	17.1	15.8
800EU200-24/4	30	40		26.1	26	25.8	25.7	25.4	25.1	24.6	24	23.1	21.9
800EU200-30/4	37	50		33.4	33.2	33	32.6	32.2	31.6	30.9	30	29	27.7
800EU200-35/4	45	60		38.3	38.3	38.1	37.8	37.3	36.7	35.9	35	33.8	32.2
800EU200-44/4	55	75		46.3	46.1	45.9	45.6	45.4	45	44.6	44	43.1	41.9
800EU200-53/4	75	100		55.7	55.7	55.7	55.5	55.3	54.8	54	53	51.6	50

● Installation sketch

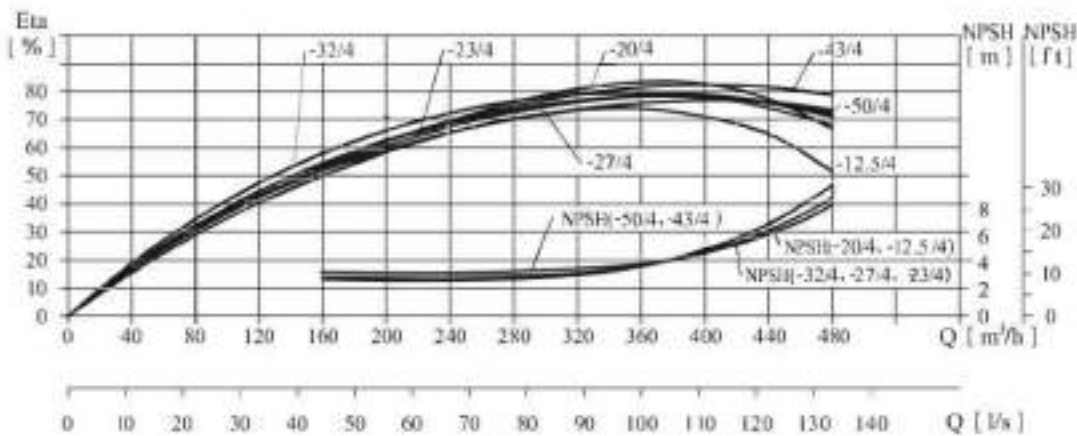
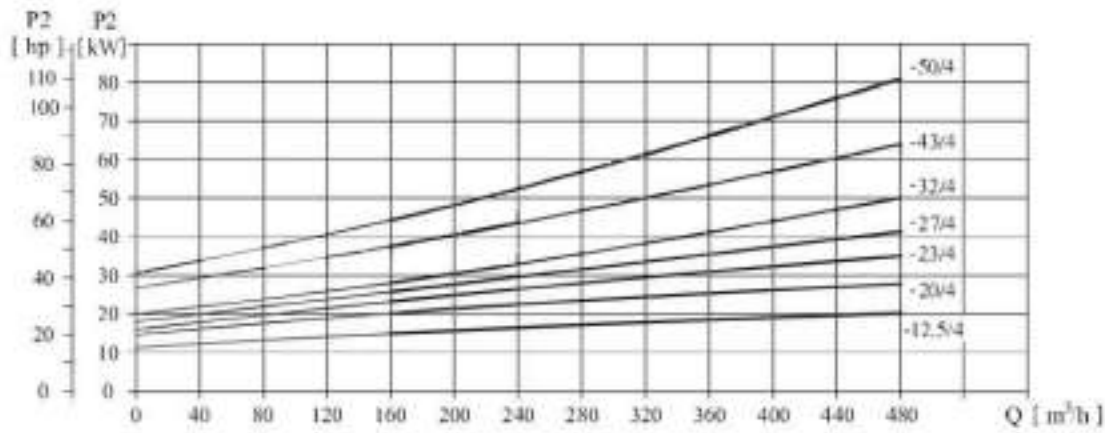
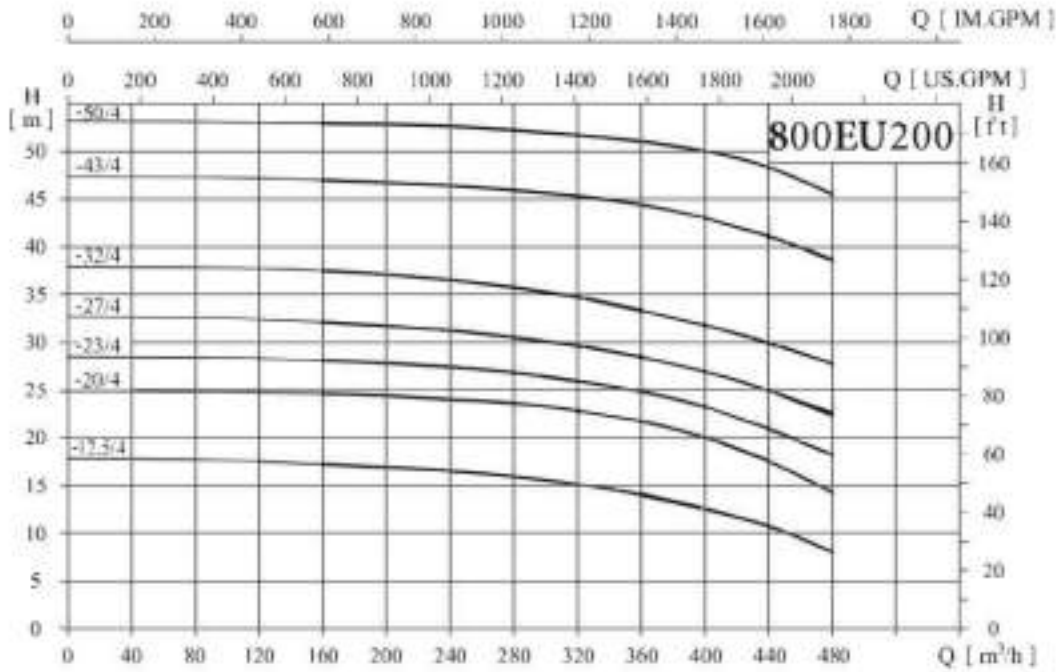


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU200-15/4	350	360	280	278	219	360	270	415	1262	1000	500	418
800EU200-18/4	350	360	280	278	219	360	270	415	1300	1000	500	435
800EU200-24/4	400	400	305	303	252	360	270	415	1334	1100	550	537
800EU200-30/4	450	450	335	303	252	360	270	445	1389	1100	550	603
800EU200-35/4	450	450	335	303	252	360	270	445	1412	1100	550	649
800EU200-44/4	550	490	365	315	269	360	270	457	1500	1100	550	751
800EU200-53/4	550	550	400	315	269	360	270	457	1556	1100	550	884

● Performance curve

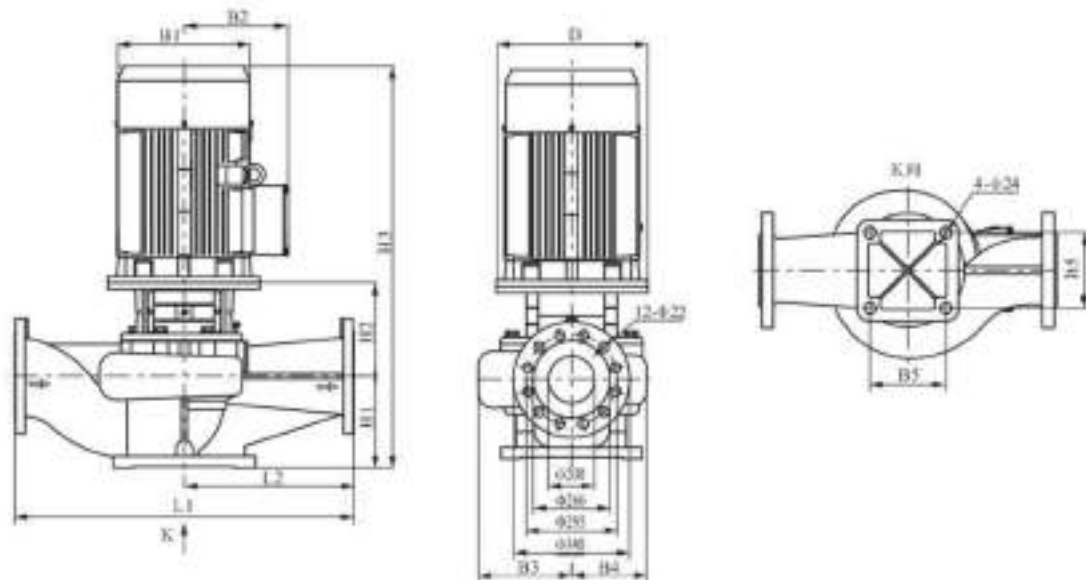
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● Performance table

Model	Driving motor		Q (m ³ /h)	160	200	240	280	320	360	400	440	480
	(kW)	(hp)										
800EU200-12.5/4	22	30	H (m)	17.2	16.9	16.5	15.9	15.1	14	12.5	10.7	8
800EU200-20/4	30	40		24.6	24.4	24	23.6	22.8	21.7	20	17.5	14.2
800EU200-23/4	37	50		28.1	27.8	27.4	26.8	25.9	24.8	23	20.9	18.2
800EU200-27/4	45	60		32.1	31.7	31.2	30.5	29.6	28.4	27	24.9	22.5
800EU200-32/4	55	75		37.5	37.1	36.5	35.7	34.7	33.3	32	29.9	27.7
800EU200-43/4	75	100		47	46.7	46.4	45.9	45.3	44.4	43	41.1	38.6
800EU200-50/4	90	120		52.9	52.8	52.6	52.2	51.7	51	50	48.3	45.5

● Installation sketch

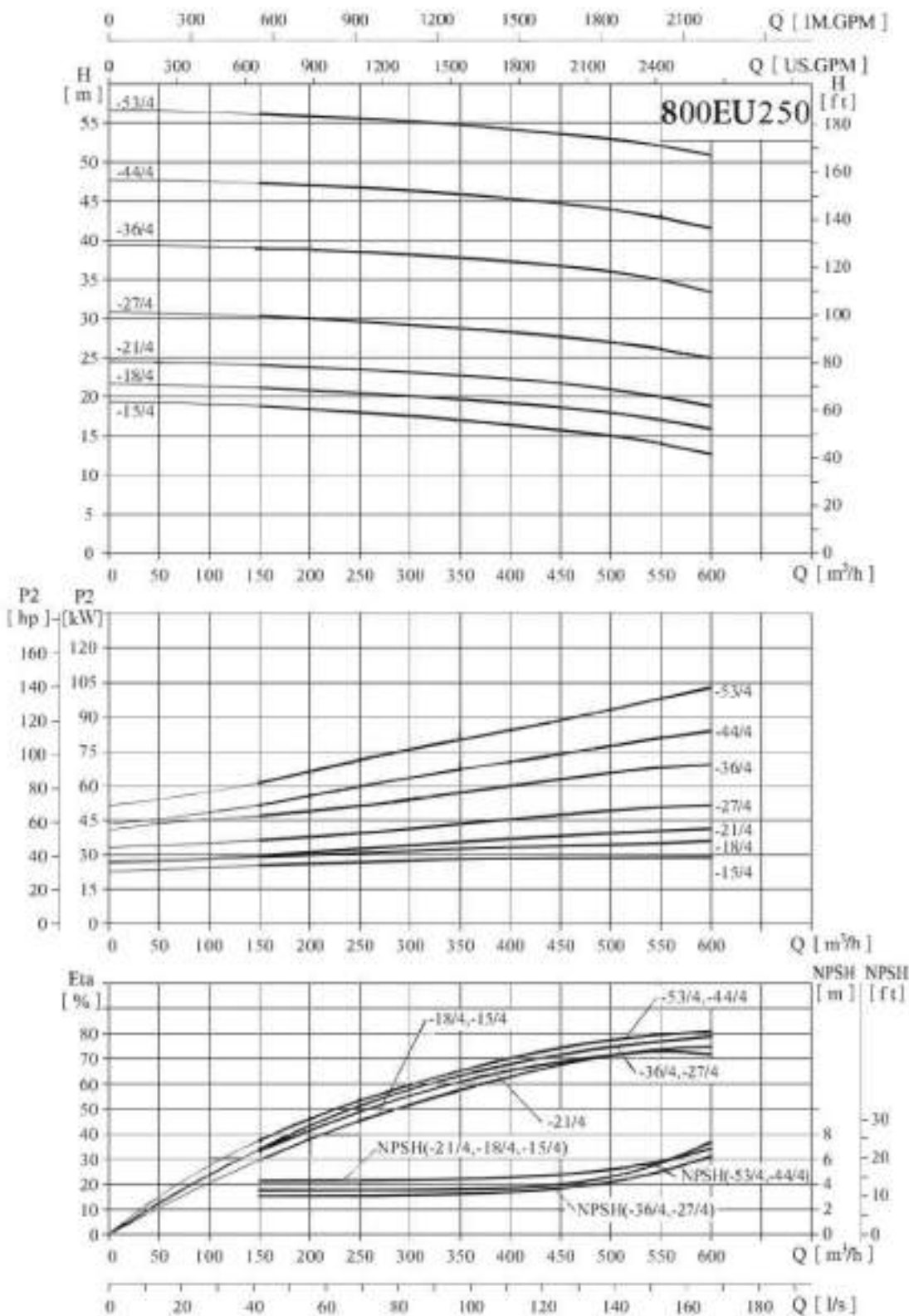


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU200-12.5/4	350	360	280	278	219	360	270	415	1300	1000	500	432
800EU200-20/4	400	400	305	278	219	360	270	415	1334	1000	500	492
800EU200-23/4	450	450	335	303	252	360	270	445	1389	1100	550	602
800EU200-27/4	450	450	335	303	252	360	270	445	1412	1100	550	638
800EU200-32/4	550	490	365	303	252	360	270	445	1488	1100	550	710
800EU200-43/4	550	550	400	315	269	360	270	457	1556	1100	550	883
800EU200-50/4	550	550	400	315	269	360	270	457	1607	1100	550	975

● Performance curve

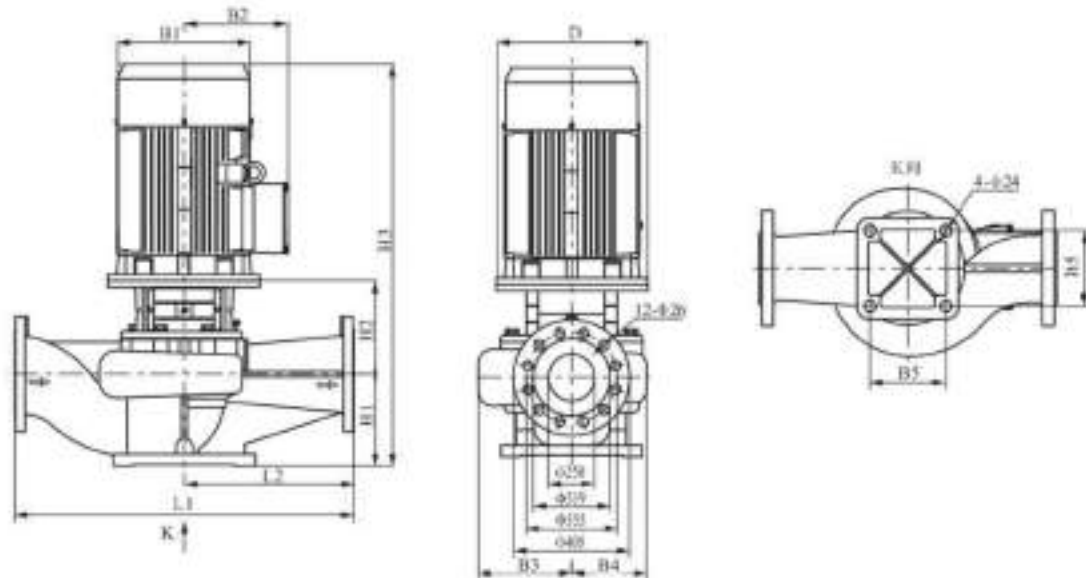
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● Performance table

Model	Driving motor		Q (m ³ /h)	150	200	250	300	350	400	450	500	550	600
	(kW)	(hp)											
800EU250-15/4	30	40	H (m)	18.8	18.4	18	17.6	17.1	16.4	15.8	15	14.1	12.7
800EU250-18/4	37	50		21.2	20.9	20.5	20.1	19.7	19.2	18.7	18	17.1	15.9
800EU250-21/4	45	60		24.1	23.8	23.5	23.1	22.8	22.3	21.8	21	20	18.8
800EU250-27/4	55	75		30.3	30	29.6	29.2	28.8	28.3	27.7	27	26.1	24.9
800EU250-36/4	75	100		39.1	38.8	38.5	38.2	37.8	37.3	36.8	36	35	33.4
800EU250-44/4	90	120		47.4	47.1	46.8	46.4	45.9	45.4	44.8	44	43	41.6
800EU250-53/4	110	150		56.2	55.9	55.6	55.3	54.8	54.3	53.7	53	52.1	50.9

● Installation sketch

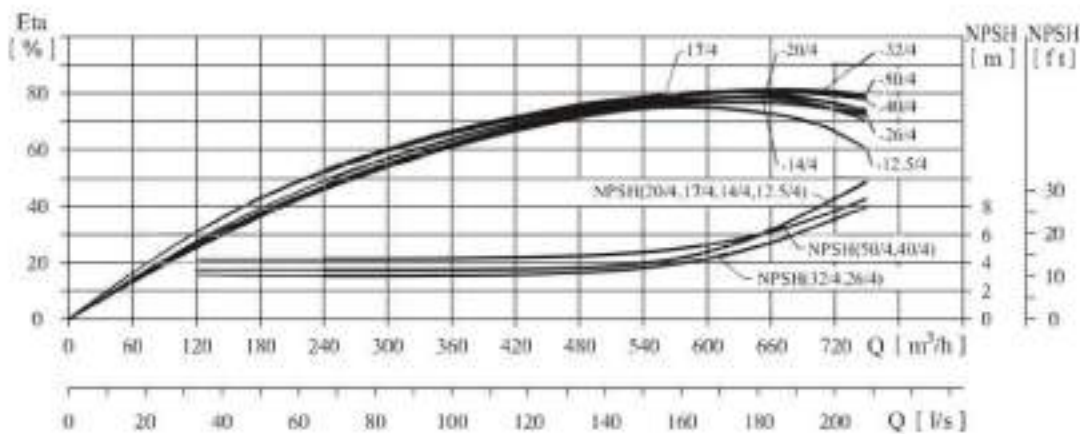
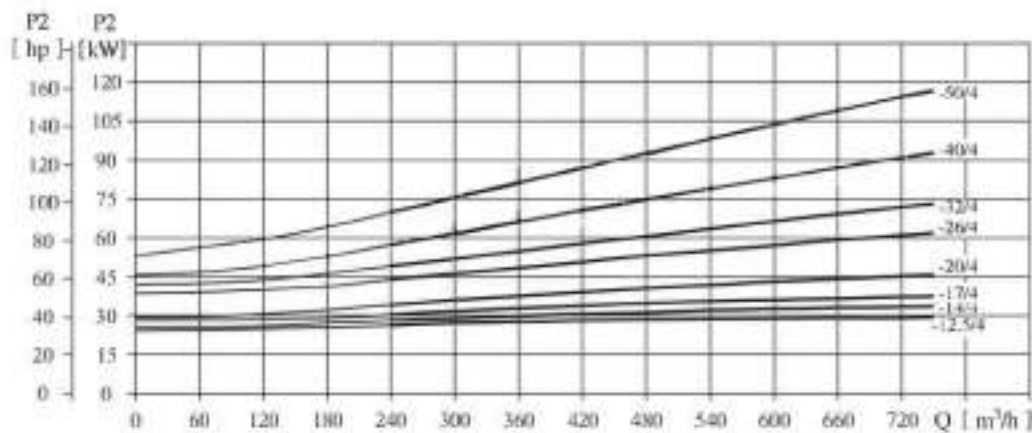
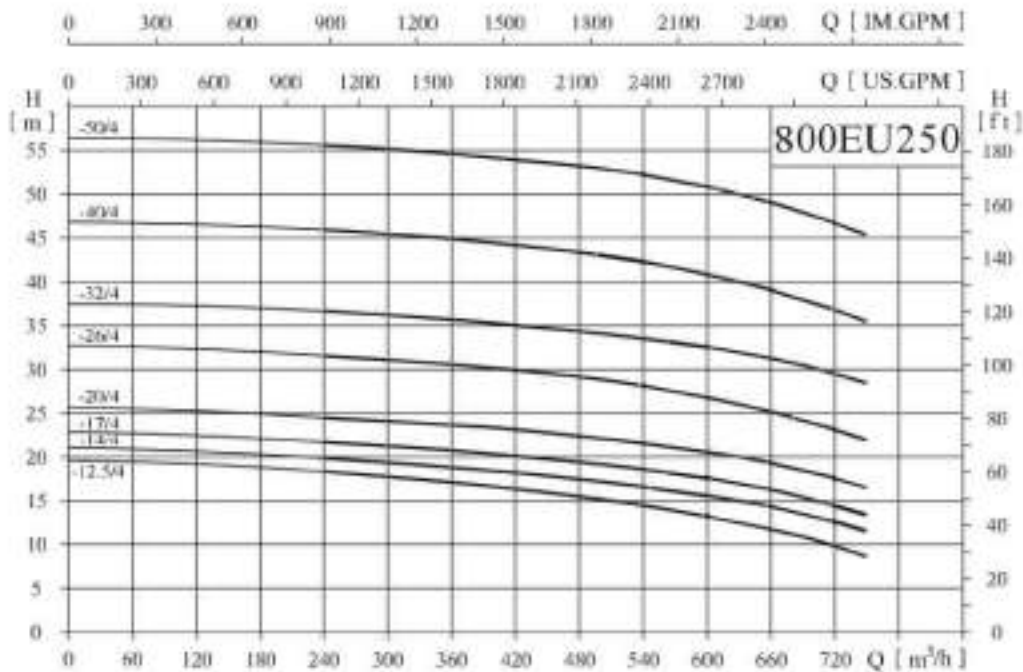


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU250-15/4	400	400	305	316	243	390	300	465	1414	1100	550	553
800EU250-18/4	450	450	335	316	243	390	300	495	1469	1100	550	614
800EU250-21/4	450	450	335	316	243	390	300	495	1492	1100	550	650
800EU250-27/4	550	490	365	329	264	440	300	507	1580	1100	550	780
800EU250-36/4	550	550	400	329	264	440	300	507	1636	1100	550	909
800EU250-44/4	550	550	400	347	292	440	305	485	1670	1200	600	1032
800EU250-53/4	660	625	555	347	292	440	305	525	1840	1200	600	1391

Performance curve

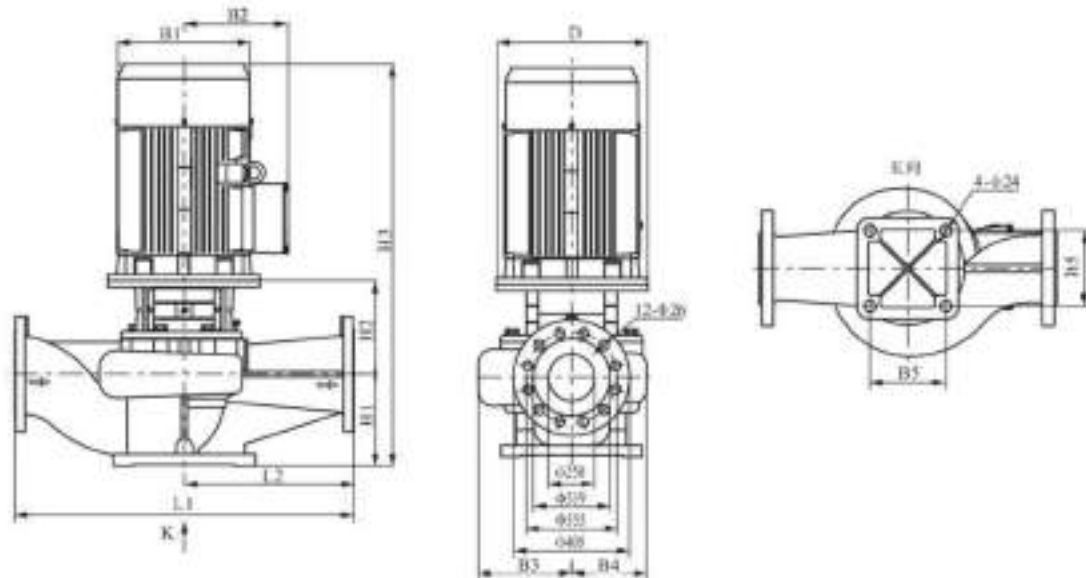
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Performance table

Model	Driving motor		Q (m ³ /h)	H (m)										
	(kW)	(hp)		240	300	360	420	480	540	600	630	660	720	750
800EU250-12.5/4	30	40		18.4	17.9	17.2	16.4	15.5	14.5	13.2	12.5	11.8	9.9	8.7
800EU250-14/4	37	50		20	19.5	18.9	18.2	17.5	16.6	15.6	14	13.4	12.6	11.6
800EU250-17/4	45	60		21.8	21.3	20.8	20.1	19.4	18.6	17.6	17	16.3	14.4	13.4
800EU250-20/4	55	75		24.5	24.1	23.7	23.1	22.4	21.5	20.5	20	19.3	17.6	16.5
800EU250-26/4	75	100		31.7	31.1	30.6	29.9	29.1	28.2	26.8	26	25.2	23.1	21.9
800EU250-32/4	90	120		36.7	36.3	35.7	35.1	34.3	33.5	32.6	32	31.3	29.5	28.4
800EU250-40/4	110	150		46	45.5	44.9	44.2	43.4	42.3	40.8	40	39.1	36.8	35.5
800EU250-50/4	132	180		55.6	55.2	54.6	53.9	53.2	52.3	50.9	50	49	46.7	45.4

Installation sketch

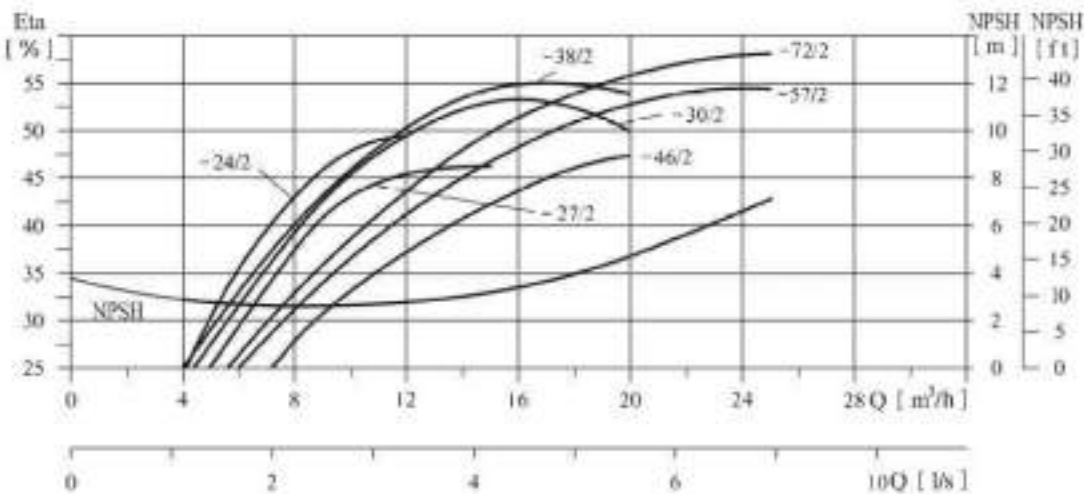
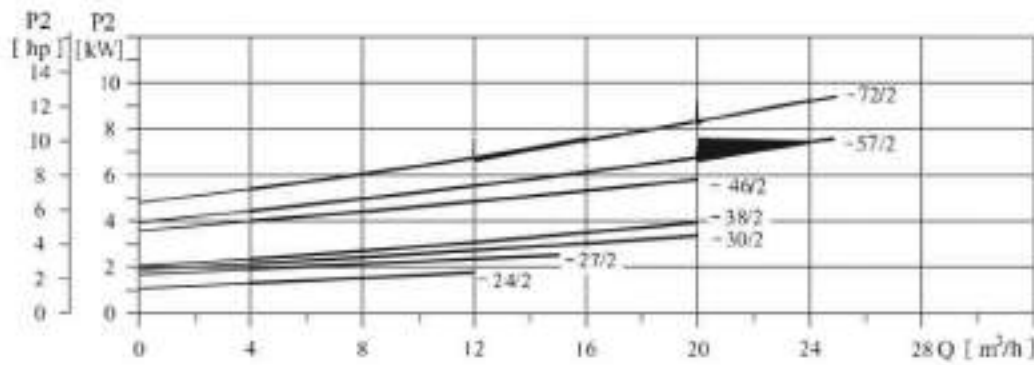
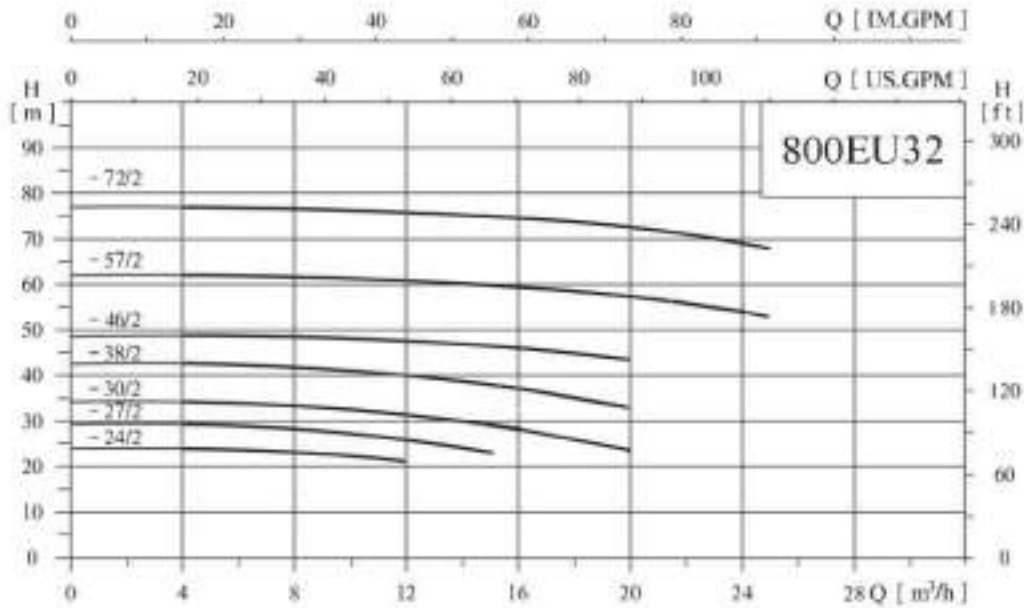


Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU250-12.5/4	400	400	305	316	243	390	300	465	1414	1100	550	552
800EU250-14/4	450	450	335	316	243	390	300	495	1469	1100	550	613
800EU250-17/4	450	450	335	316	243	390	300	495	1492	1100	550	649
800EU250-20/4	550	490	365	316	243	390	300	495	1568	1100	550	722
800EU250-26/4	550	550	400	329	264	440	300	507	1636	1100	550	909
800EU250-32/4	550	550	400	329	264	440	300	507	1687	1100	550	999
800EU250-40/4	660	625	555	347	292	440	305	525	1840	1200	600	1389
800EU250-50/4	660	625	555	347	292	440	305	525	1990	1200	600	1473

● Performance curve

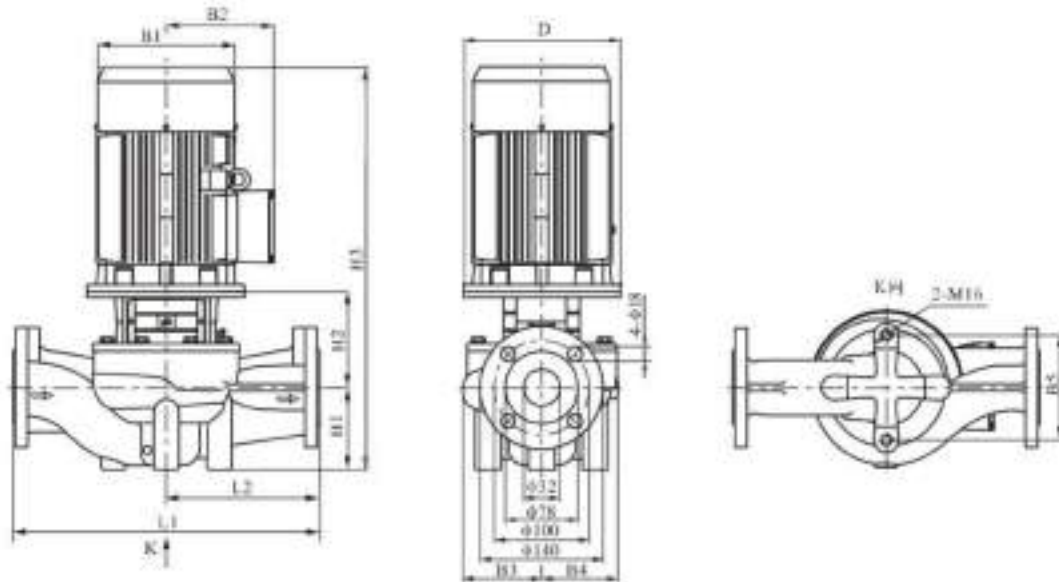
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● Performance table

Model	Driving motor		Q (m ³ /h)	4	7	8	10	12	15	20	25
	(kW)	(hp)									
800EU32-24/2	1.5	2	H (m)	24.5	24	23		21			
800EU32-27/2	2.2	3		29		28	27	26	23		
800EU32-30/2	3	4		35		34		32	30	23	
800EU32-38/2	4	5.5		43		42		40	38	33	
800EU32-46/2	5.5	7.5		49		49		48	46	44	
800EU32-57/2	7.5	10		62		62		61	59	57	53
800EU32-72/2	11	15		77		77		76	75	72	67

● Installation sketch

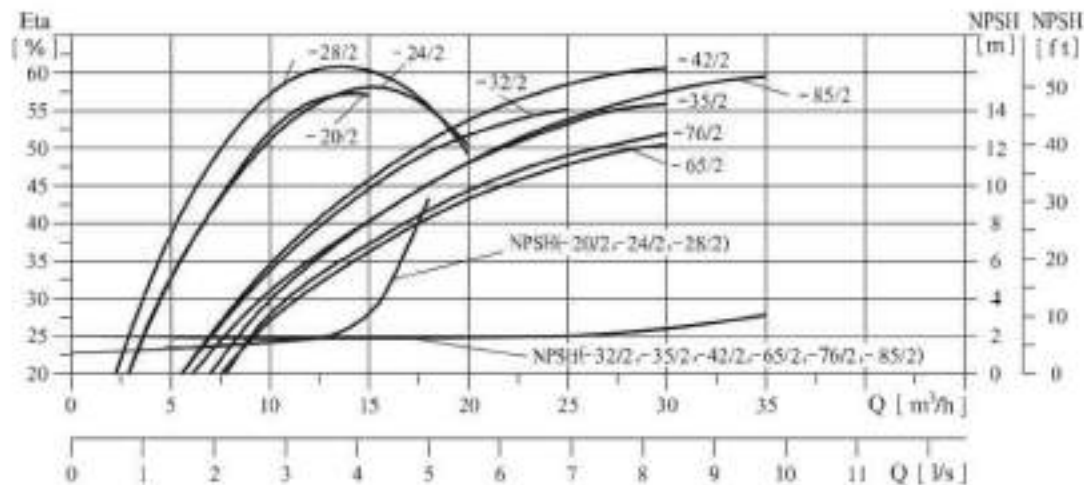
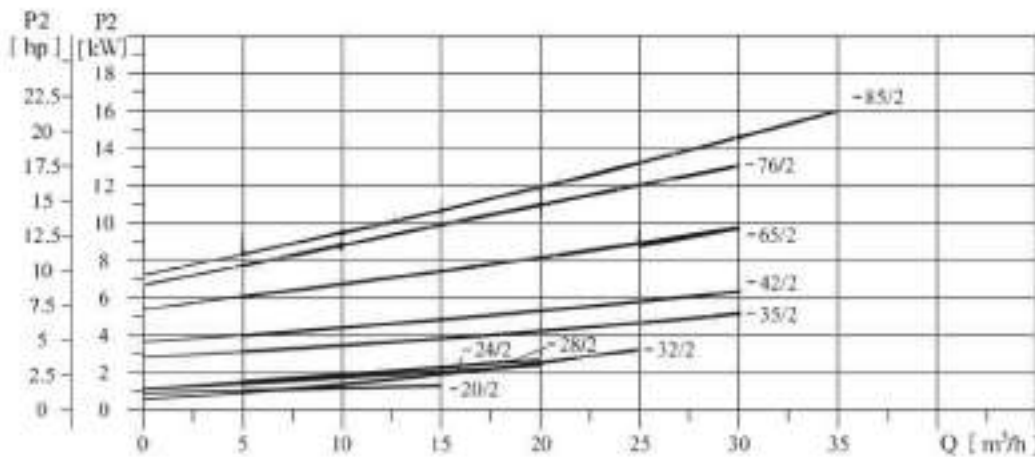
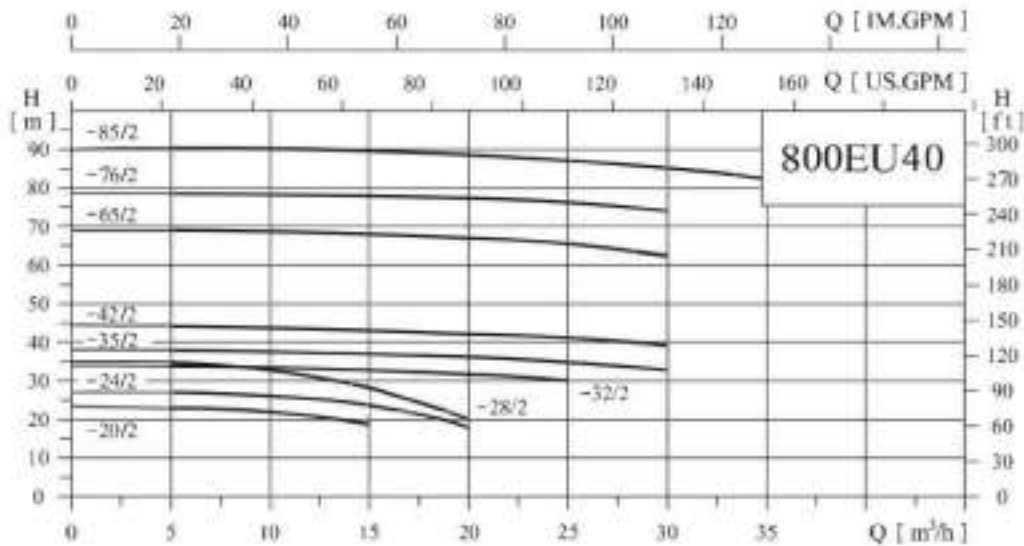


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU32-24/2	140	190	155	115	115	144	100	166	556	340	170	56
800EU32-27/2	140	190	155	115	115	144	100	166	556	340	170	59
800EU32-30/2	160	197	165	115	115	144	100	185	630	340	170	68
800EU32-38/2	160	230	188	129	129	144	100	185	640	440	220	79
800EU32-46/2	200	260	208	129	129	144	100	213	703	440	220	104
800EU32-57/2	200	260	208	129	129	144	100	213	703	440	220	107
800EU32-72/2	350	330	255	129	129	144	100	262	862	440	220	167

Performance curve

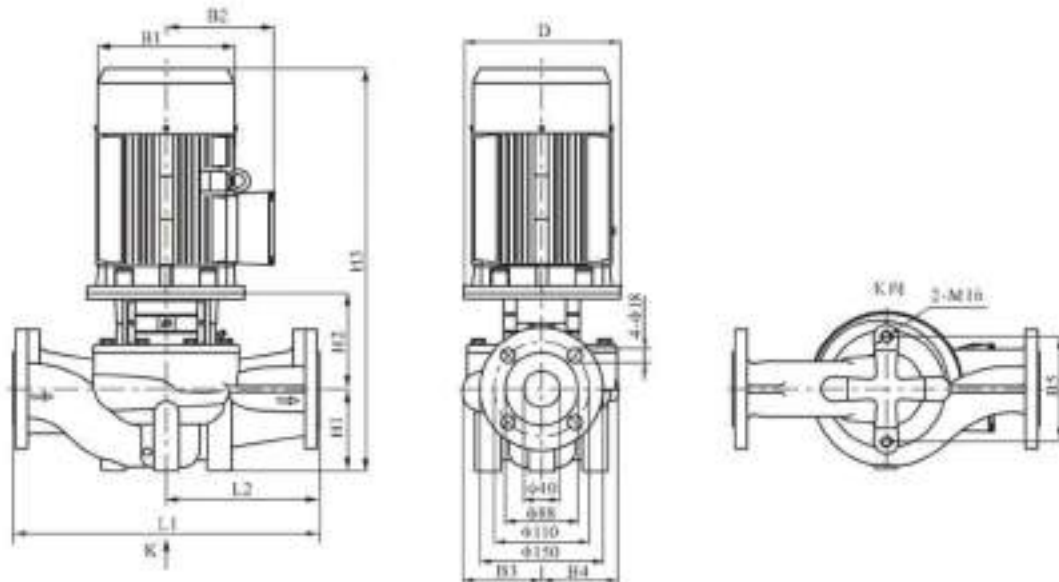
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Performance table

Model	Driving motor		Q (m ³ /h)	5	10	12	15	20	25	30	35
	(kW)	(hp)									
800EU40-20/2	1.5	2	H (m)	23	22	20	18				
800EU40-24/2	2.2	3		27	26		24	18			
800EU40-28/2	3	4		35	33		28	20			
800EU40-32/2	4	5.5		34	34		33	32	30		
800EU40-35/2	5.5	7.5		38	38		37	36	35	33	
800EU40-42/2	7.5	10		45	45		44	43	42	40	
800EU40-65/2	11	15		69	69		68	67	65	63	
800EU40-76/2	15	20		79	79		78	77	76	73	
800EU40-85/2	18.5	25		91	91		90	89	87	85	82

Installation sketch

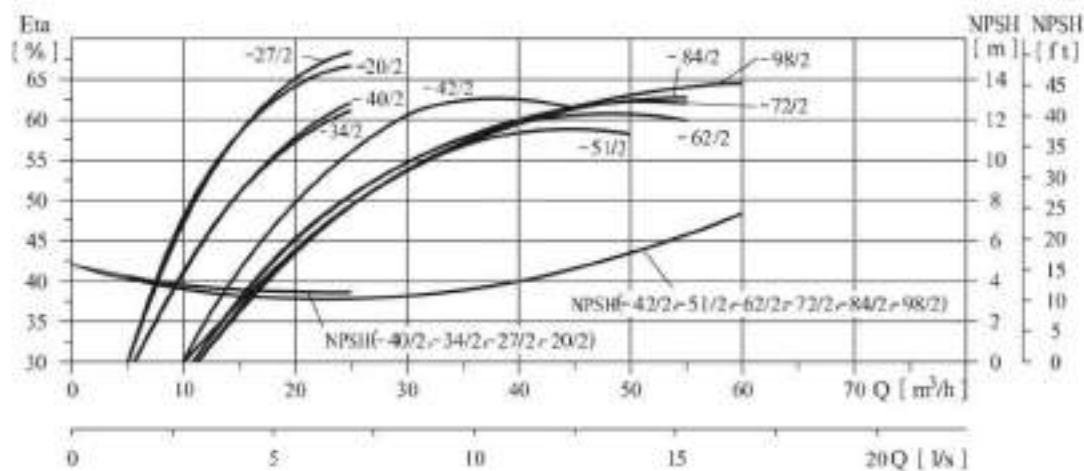
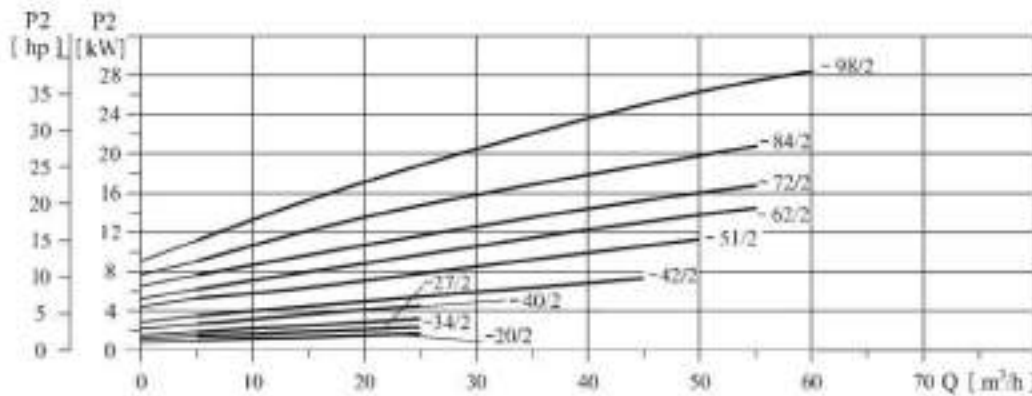
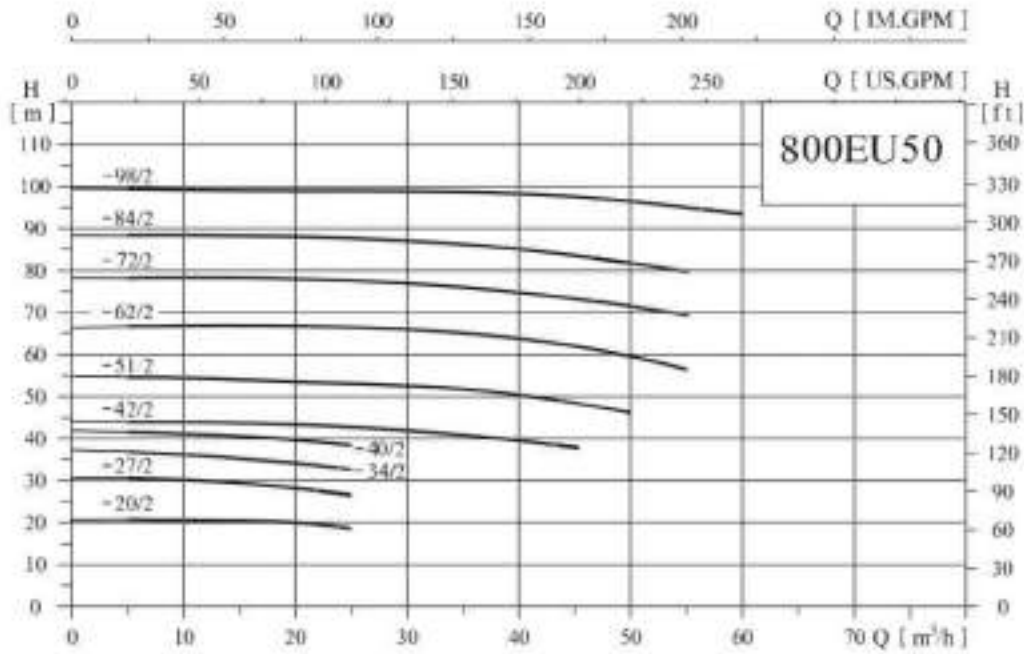


Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU40-20/2	140	190	155	97	95	120	68	160	518	320	160	46
800EU40-24/2	140	190	155	97	95	120	68	160	518	320	160	53
800EU40-28/2	160	197	165	97	95	120	68	178	591	320	160	70
800EU40-32/2	160	230	188	138	128	144	110	185	650	440	220	77
800EU40-35/2	200	260	208	138	128	144	110	213	713	440	220	106
800EU40-42/2	200	260	208	138	128	144	110	213	713	440	220	110
800EU40-65/2	350	330	255	138	128	144	110	262	872	440	220	167
800EU40-76/2	350	330	255	140	138	144	110	262	872	440	220	178
800EU40-85/2	350	330	255	140	138	144	110	262	922	440	220	196

● Performance curve

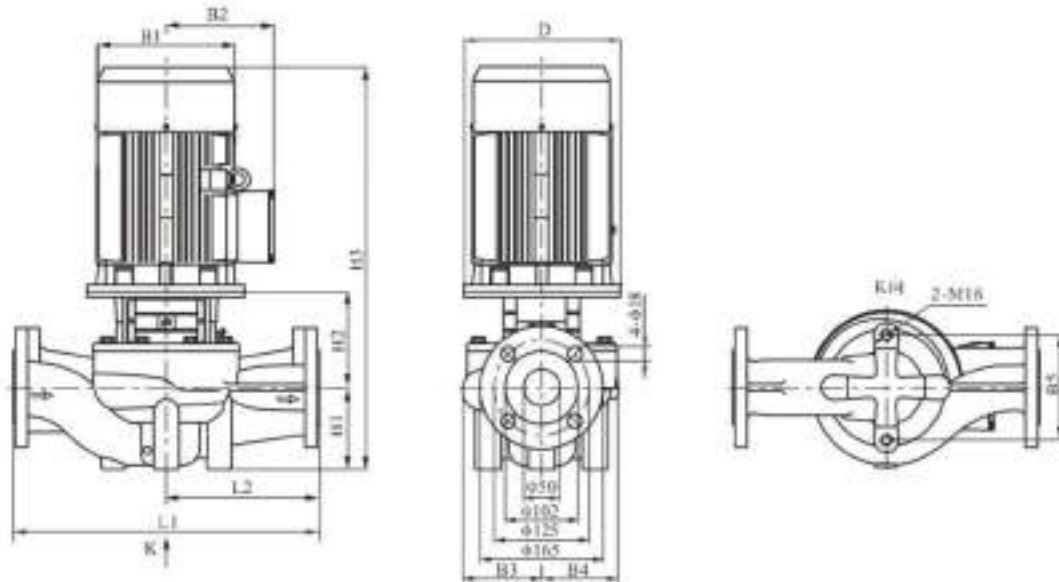
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	H (m)											
	(kW)	(hp)		5	10	15	20	25	30	35	40	45	50	55	60
800EU50-20/2	2.2	3		21	20.5	20.3	20	18.5							
800EU50-27/2	3	4		31	30	28.8	27	26							
800EU50-34/2	4	5.5		37	36.2	35.3	34	32.7							
800EU50-40/2	5.5	7.5		41.5	41.2	41	40	39							
800EU50-42/2	7.5	10		45.5	44		43		42		40	39			
800EU50-51/2	11	15		54	53.5		52.5		52	51	50		47		
800EU50-62/2	15	20		66.5	66.6		66		65		63	62	59	56	
800EU50-72/2	18.5	25		77	77		77.2		76		73	72	71	69	
800EU50-84/2	22	30		88	88		88		87		85	84	83	82	
800EU50-98/2	30	40		99.1	99.4		99.6		99		98.5		98		93

● Installation sketch

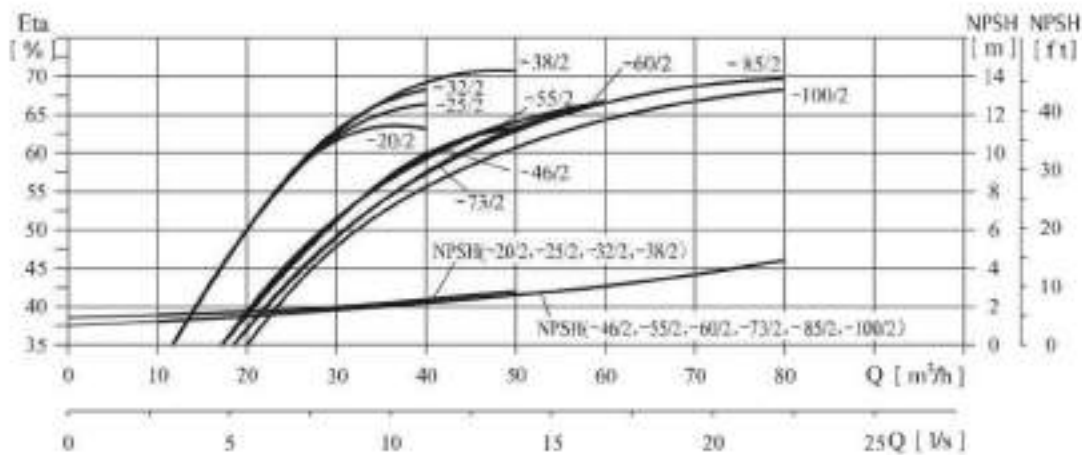
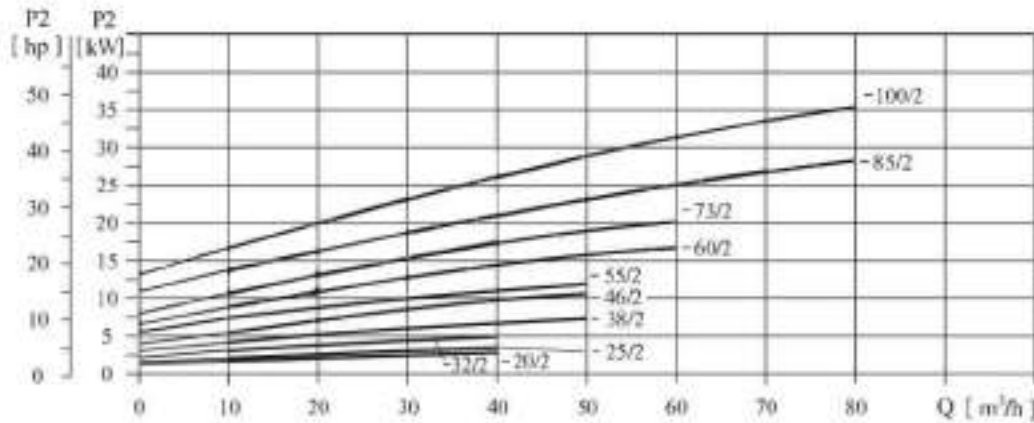
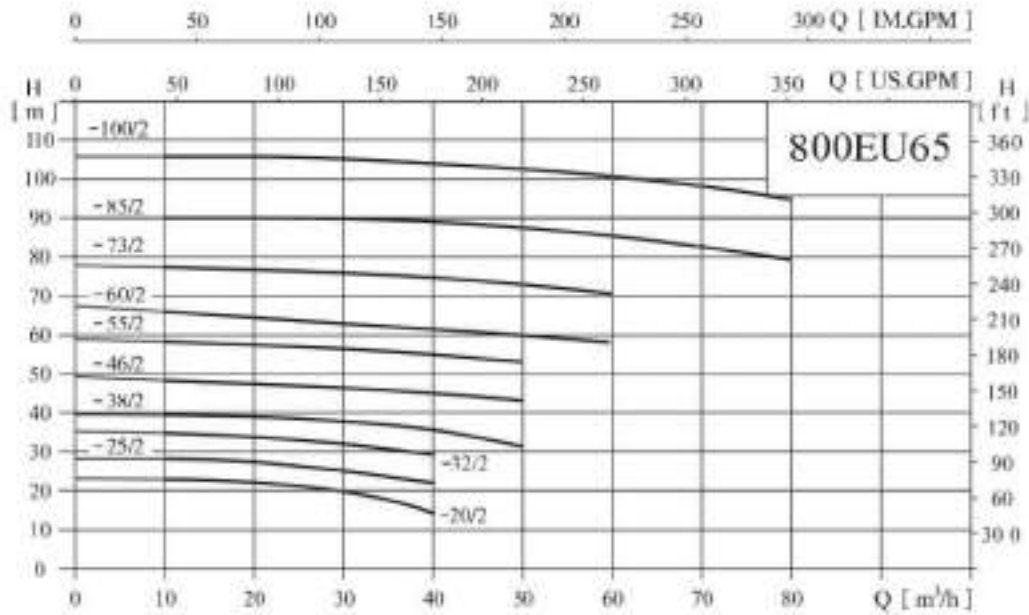


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU50-20/2	140	190	155	117	115	144	115	153	558	340	170	65
800EU50-27/2	160	197	165	117	115	144	115	172	632	340	170	74
800EU50-34/2	160	230	188	129	115	144	115	172	642	340	170	79
800EU50-40/2	200	260	208	129	115	144	115	197	702	340	170	103
800EU50-42/2	200	260	208	171	158	144	115	197	702	440	220	118
800EU50-51/2	350	330	255	171	158	144	115	250	865	440	220	181
800EU50-62/2	350	330	255	171	158	144	115	250	865	440	220	191
800EU50-72/2	350	330	255	171	158	144	115	250	915	440	220	209
800EU50-84/2	350	360	285	171	158	144	115	250	940	440	220	245
800EU50-98/2	400	400	310	171	158	144	115	250	1015	440	220	296

● Performance curve

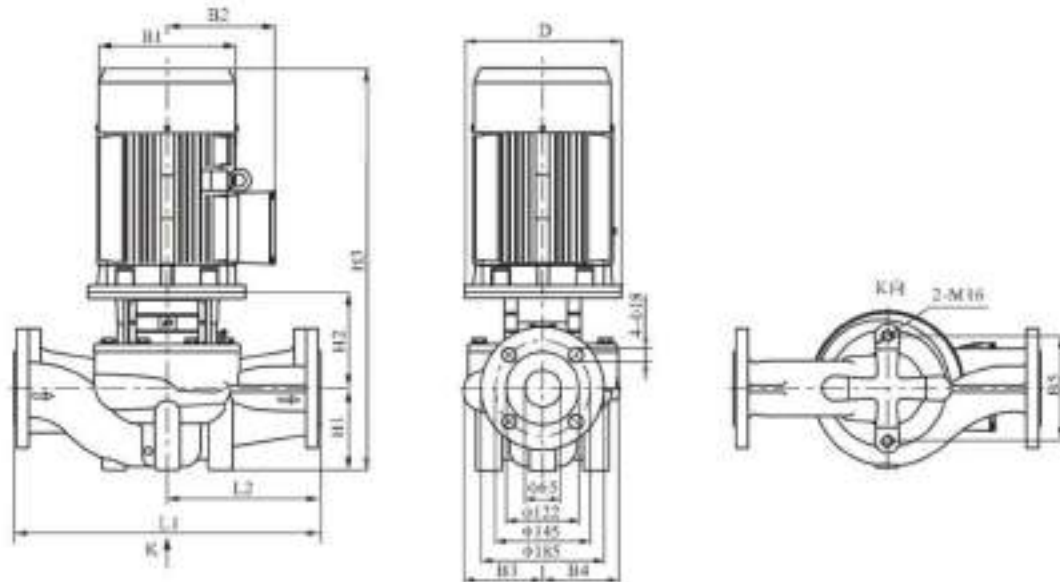
ISO9906 Annex A



Performance table

Model	Driving motor		Q (m ³ /h)	10	20	30	35	40	50	60	70	80
	(kW)	(hp)										
800EU65-20/2	3	4	H (m)	22.2	22	20	18	14.3				
800EU65-25/2	4	5.5		28	27	25	24	21				
800EU65-32/2	5.5	7.5		35	33.5	32	31	29.5				
800EU65-38/2	7.5	10		39.5	38.7	38.5	38	36	31.5			
800EU65-46/2	11	15		48	47	46.5	46	45	44			
800EU65-55/2	15	20		57.3	56.5	56.2	55	54	52			
800EU65-60/2	18.5	25		64	63.8	62	61.8	60.5	60	56		
800EU65-73/2	22	30		78	77	76.5	76	75.5	73	71		
800EU65-85/2	30	40		87.8	88	90	90.5	89.5	88.5	85	83	79
800EU65-100/2	37	50		107.6	106	105	104	103	102	100	99.5	94

Installation sketch

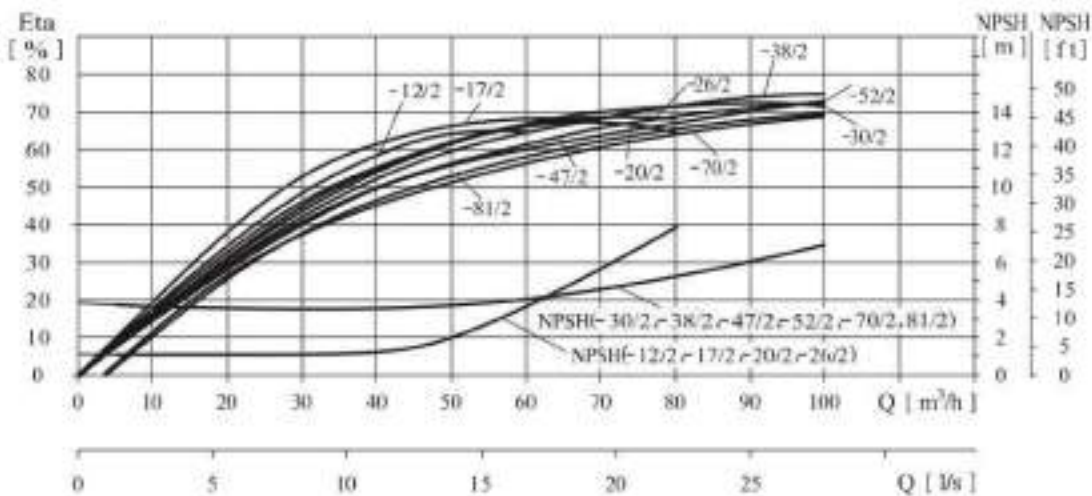
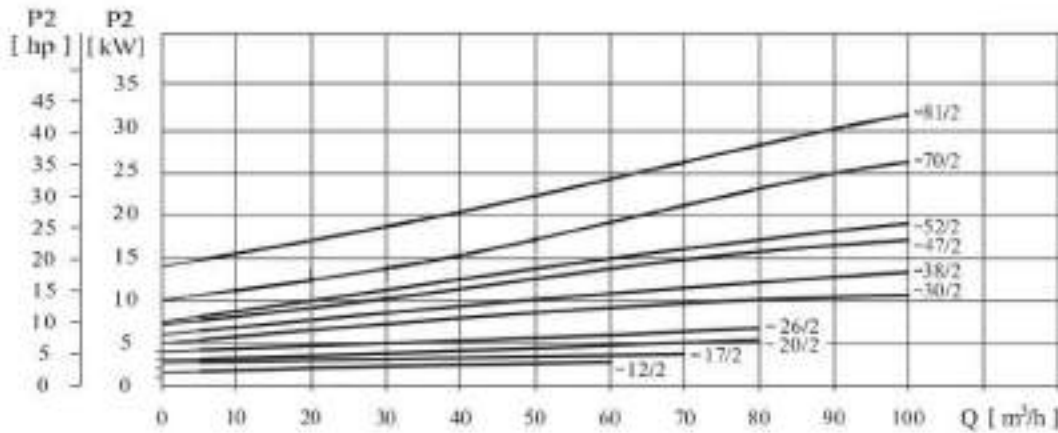
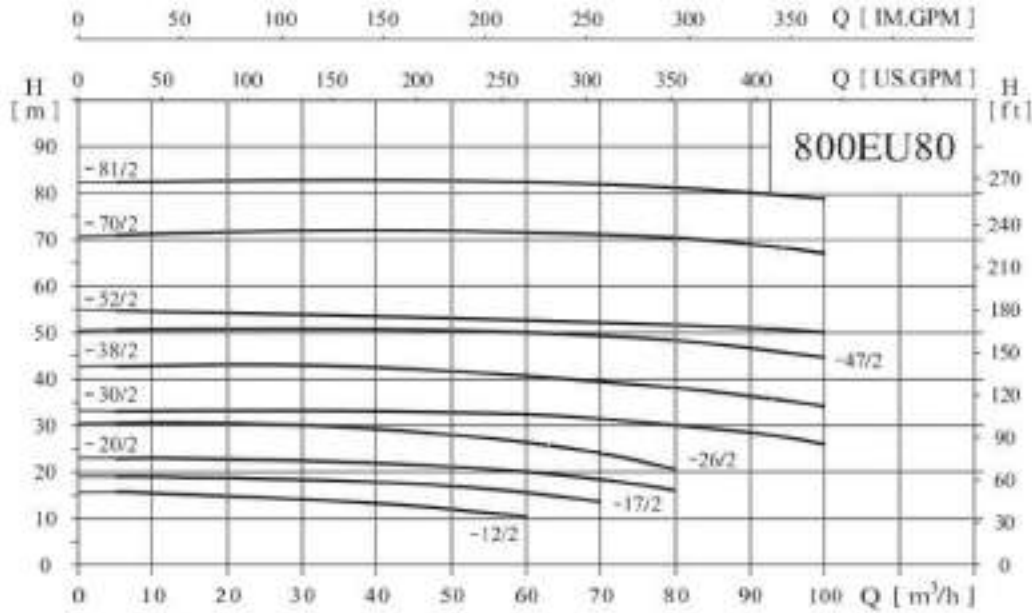


Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU65-20/2	160	197	165	142	124	144	105	191	641	360	180	74
800EU65-25/2	160	230	188	142	124	144	105	191	651	360	180	81
800EU65-32/2	200	260	208	142	124	144	105	213	708	360	180	105
800EU65-38/2	200	260	208	142	124	144	105	213	708	360	180	108
800EU65-46/2	350	330	255	179	167	144	125	262	887	475	238	183
800EU65-55/2	350	330	255	179	167	144	125	262	887	475	238	193
800EU65-60/2	350	330	255	179	167	144	125	262	937	475	238	210
800EU65-73/2	350	330	255	179	167	144	125	262	962	475	238	248
800EU65-85/2	400	400	310	179	167	144	125	262	1037	475	238	309
800EU65-100/2	400	400	310	179	167	144	125	262	1037	475	238	328

● Performance curve

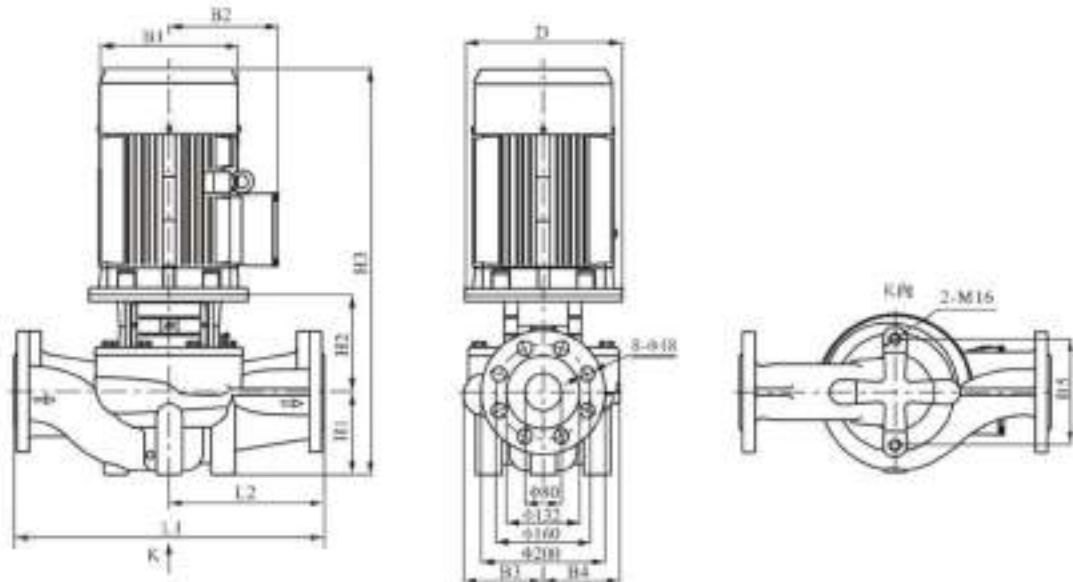
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Performance table

Model	Driving motor		Q (m ³ /h)	H (m)											
	(kW)	(hp)		5	10	20	30	40	50	60	70	80	90	100	
800E U80-12/2	3	4		15.2	15.6	15	14.5	13.5	12	10.5					
800E U80-17/2	4	5.5		18.5	19	18.6	18.1	17.5	17	15.8	13.5				
800E U80-20/2	5.5	7.5		22.5	23	23.6	22.8	22	21.2	20	19	16			
800E U80-26/2	7.5	10		30.3	30.6	30.4	30	29	28	26	25	21			
800E U80-30/2	11	15		36.8	36.8	36.7	35.8	35.3	34.2	33.1	32.4	30	27.8	23.5	
800E U80-38/2	15	20		42.9	43	43.1	43	42.6	42	40.5	39.5	38	36.2	32.3	
800E U80-47/2	18.5	25		51.3	51.5	50.9	50.5	50.3	50.2	50	49.4	47	46.5	44.6	
800E U80-52/2	22	30		54.7	55.5	55.2	55	54.8	54.5	54.3	53.4	52	50.5	50	
800E U80-70/2	30	40		70.9		71.4		72	71.9	71.6	71	70	69.3	65	
800E U80-8 1/2	37	50		81.9		82.8		82.9		82.5	82.4	81	80	78	

Installation sketch

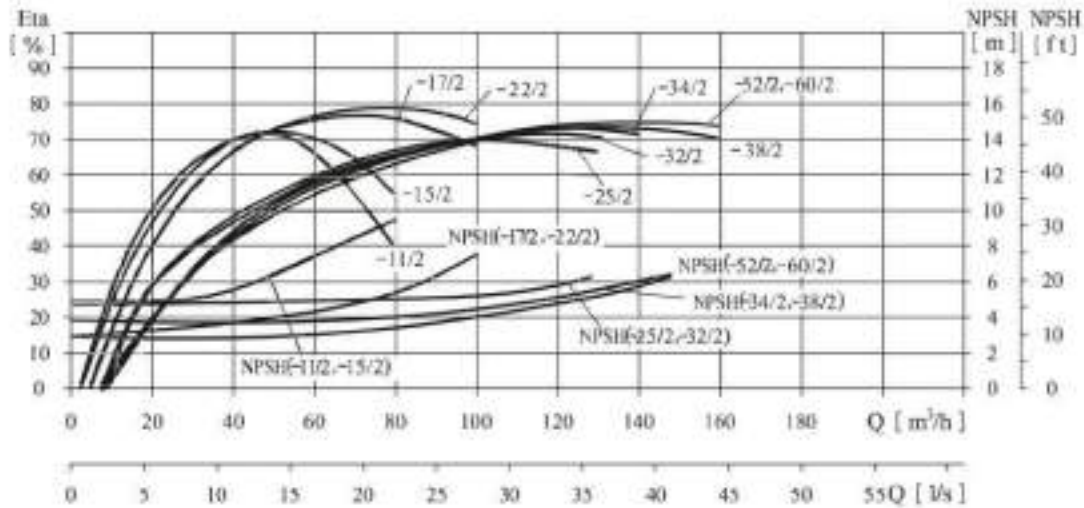
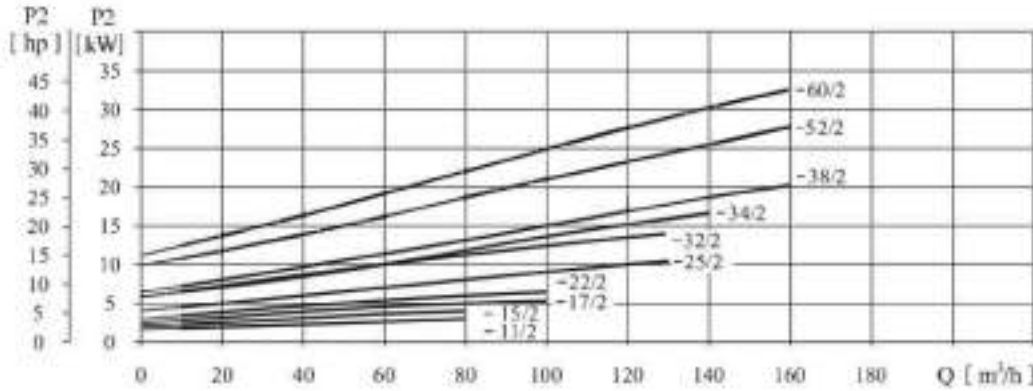
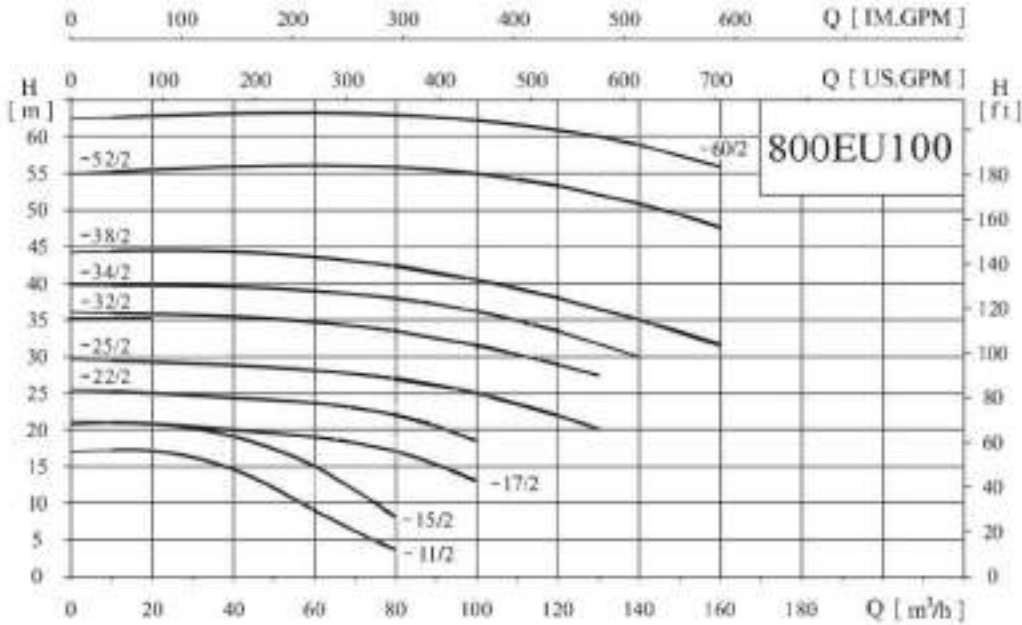


Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800E U80-12/2	160	197	165	142	124	160	97	219	661	450	225	84
800E U80-17/2	160	230	188	142	124	160	97	219	671	450	225	91
800E U80-20/2	160	260	210	142	124	160	97	241	728	450	225	114
800E U80-26/2	160	260	210	142	124	160	97	241	728	450	225	117
800E U80-30/2	350	330	255	182	163	144	115	279	894	500	250	194
800E U80-38/2	350	330	255	182	163	144	115	279	894	500	250	204
800E U80-47/2	350	330	255	182	163	144	115	279	944	500	250	222
800E U80-52/2	350	330	255	182	163	144	115	279	969	500	250	258
800E U80-70/2	400	400	310	182	163	144	115	279	1044	500	250	319
800E U80-8 1/2	400	400	310	182	163	144	115	279	1044	500	250	338

Performance curve

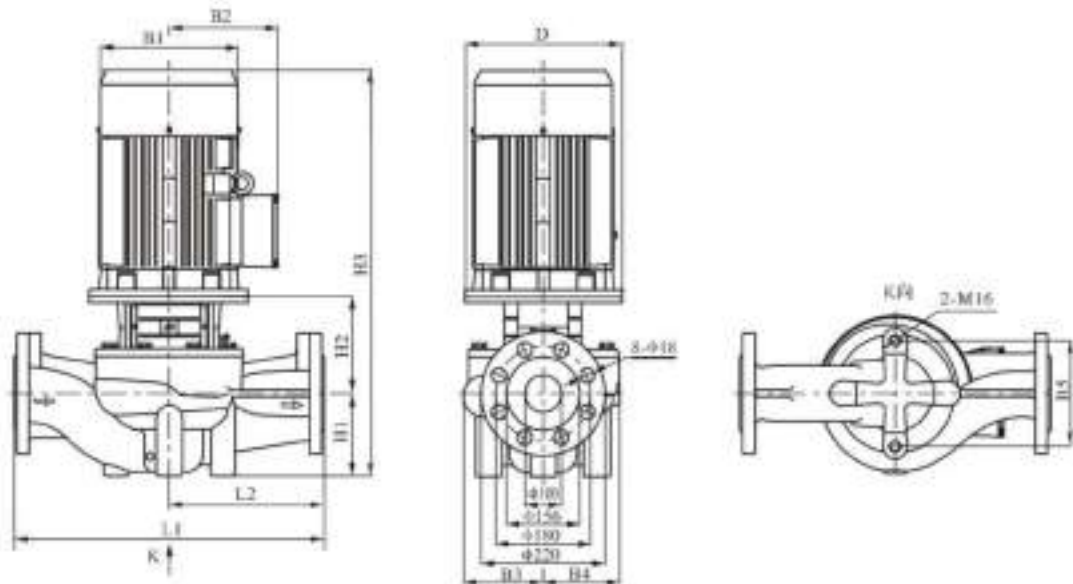
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Performance table

Model	Driving motor		Q (m ³ /h)	H (m)												
	(kW)	(hp)		10	20	40	50	60	80	100	120	130	140	160		
800EU 100-11/2	3	4		17.2	17.1	14.6	11	9	6.3							
800EU 100-15/2	4	5.5		20.7	20.8	17.9		15	8							
800EU 100-17/2	5.5	7.5		21.1	20.8	20		19.2	17	13						
800EU 100-22/2	7.5	10		25.6	25.4	24.4		23.5	22	18.4						
800EU 100-25/2	11	15		29.1	29.5	28.8		27.8	26.6	25	19.8	19.4				
800EU 100-32/2	15	20		36	36.6	35.6		34.6	33.5	32	28.9	25.5				
800EU 100-34/2	18.5	25		39.4	39.4	39.5		39	37.8	36.2	34	33.4	31			
800EU 100-38/2	22	30		43.7	44.5	44.2		43.8	42.5	40.5	38	36.4	35	30.8		
800EU 100-52/2	30	40		55	55.8	55.9		55.9	55.5	55	53.6	52	50.9	47.6		
800EU v100-60/2	37	50		62	62.9	63.3		63.2	63	62	60.6	60	57.6	54		

Installation sketch

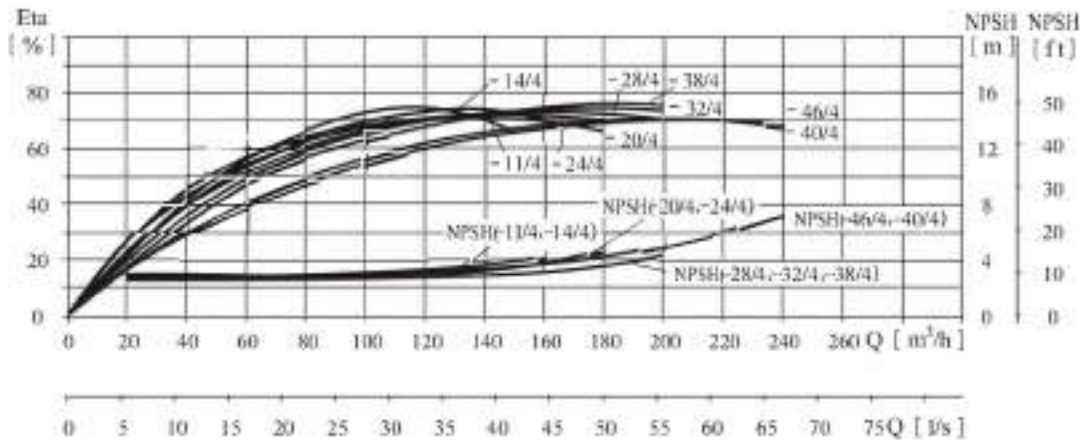
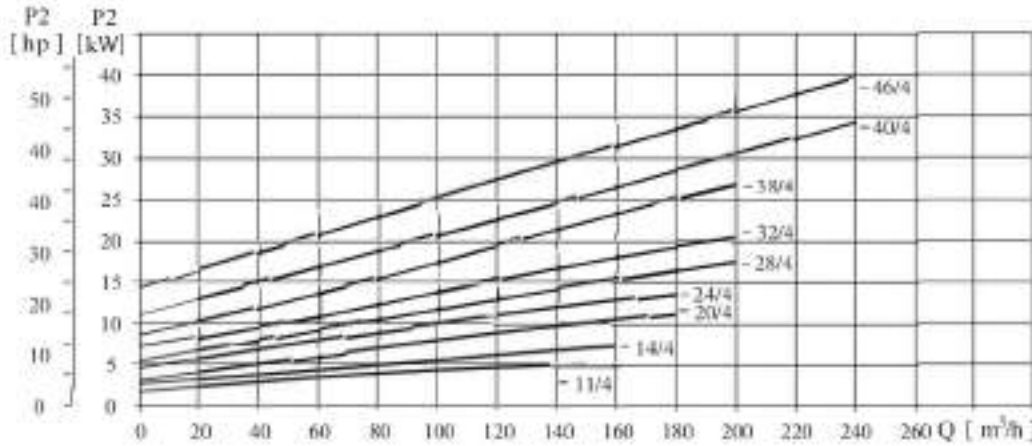
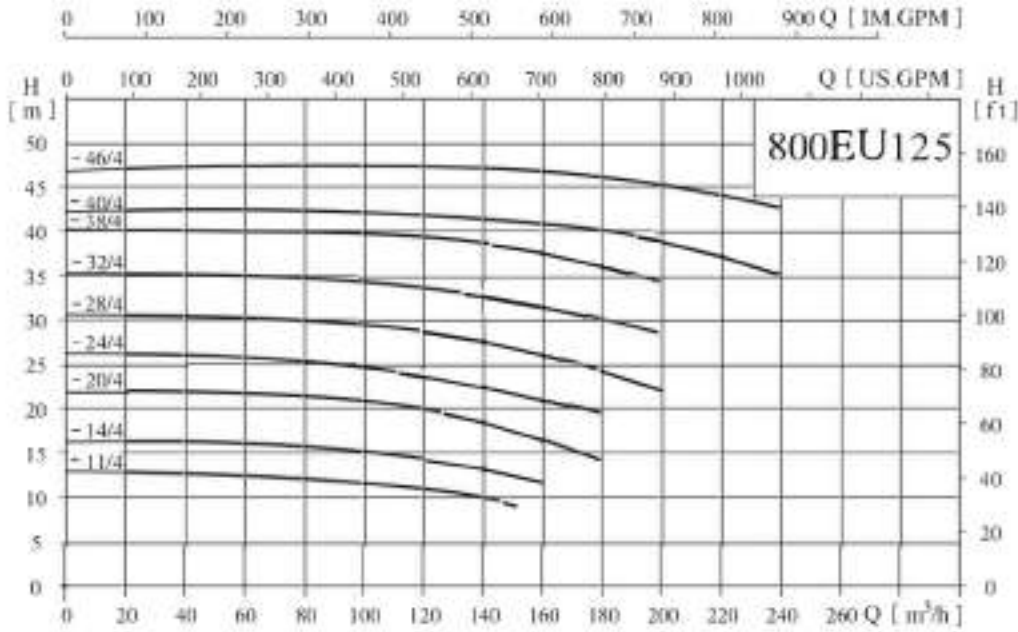


Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU 100-11/2	160	215	190	134	101	160	105	190	640	450	225	65
800EU 100-15/2	160	215	190	134	101	160	105	190	650	450	225	83
800EU 100-17/2	200	260	205	150	117	144	140	215	745	500	250	119
800EU 100-22/2	200	260	205	150	117	144	140	215	745	500	250	122
800EU 100-25/2	350	350	245	181	152	230	140	270	910	550	275	197
800EU 100-32/2	350	350	265	181	152	230	140	270	910	550	275	207
800EU 100-34/2	350	350	265	181	152	230	140	270	960	550	275	224
800EU 100-38/2	350	350	280	181	152	230	140	270	985	550	275	260
800EU 100-52/2	400	400	305	181	152	230	140	270	1060	550	275	318
800EU 100-60/2	400	400	305	181	152	230	140	270	1060	550	275	337

Performance curve

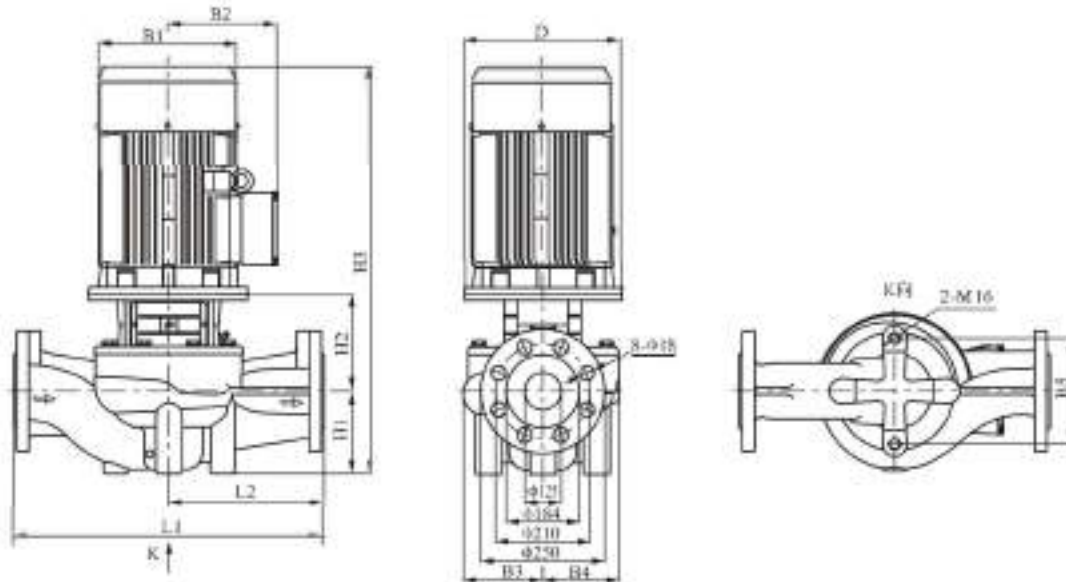
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● Performance table

Model	Driving motor		Q (m ³ /h)	20	40	60	80	100	120	140	150	160	180	200	220	240
	(kW)	(hp)														
800EU125-11/4	5.5	7.5	H (m)	12.9	12.7	12.6	12.2	11.6	11	10	9					
800EU125-14/4	7.5	10		16.2	16.1	16	15.9	15.3	14	13.8		12.5				
800EU125-20/4	11	15		21.8	21.4	21.2	21	20.6	20	18		16.4	14.5			
800EU125-24/4	15	20		26.2	25.9	25.7	25.5	24.8	24	22.9		21.2	19.8			
800EU125-28/4	18.5	25		30.4	30.2	30.1	29.9	29.4	28.6	28		26.6	24.5	22.5		
800EU125-32/4	22	30		35.2	34.9	34.8	34.5	34.2	33.5	32.7	32	31.3	30.1	27.8		
800EU125-38/4	30	40		40.2	40.1	40	39.9	39.8	39.5	38.6	38	37.8	36.2	33.8		
800EU125-40/4	37	50		42.6	42.8	42.9	42.7	42.4	41.9	41.3		40.7	40	38.9	37.4	35.6
800EU125-46/4	45	60		47.2	47.4	47.6	47.7	47.6	47.5	47.2		46.7	46	45.1	44.1	42.8

● Installation sketch

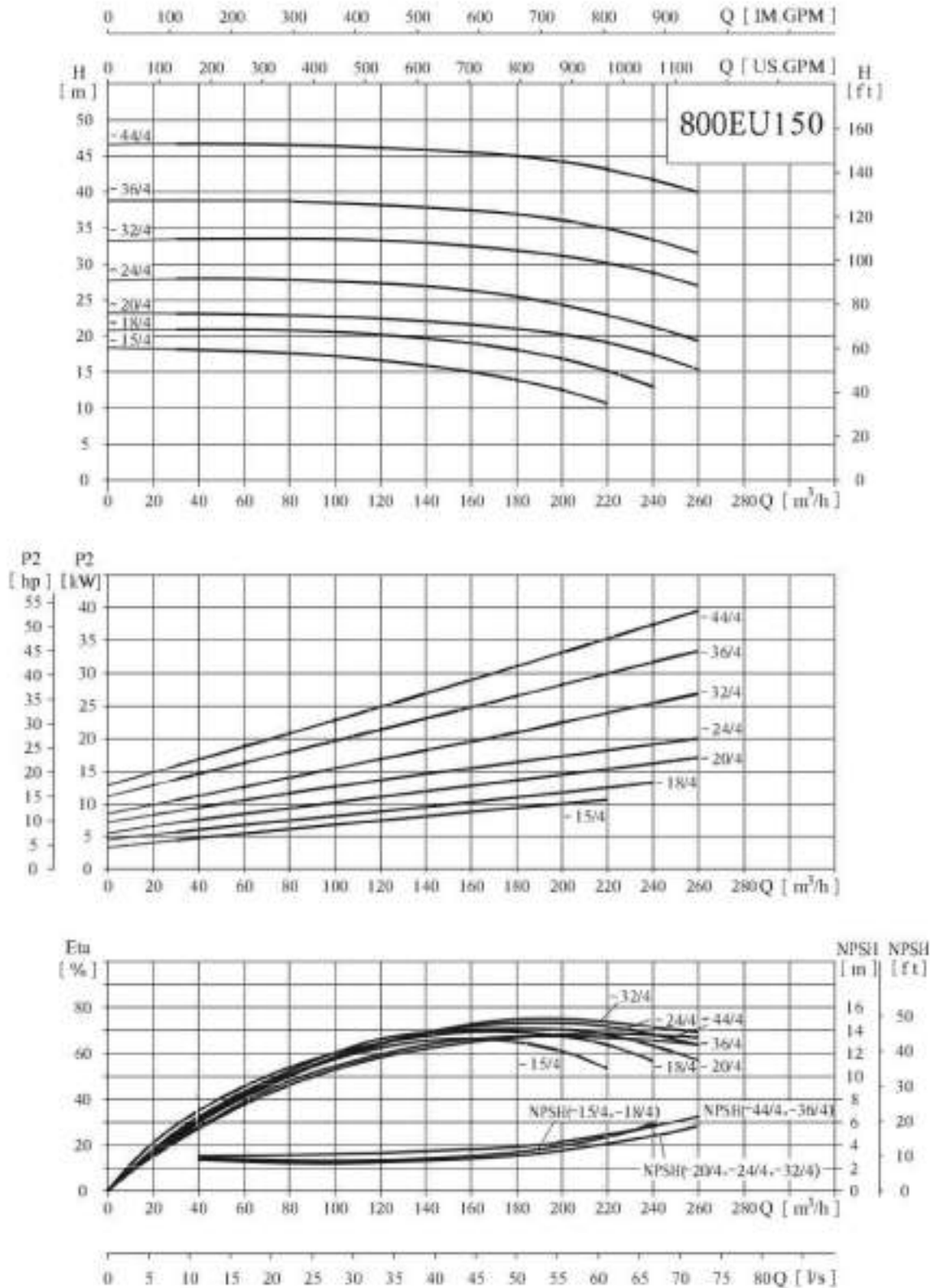


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU125-11/4	200	260	208	216	176	230	215	228	832	620	310	166
800EU125-14/4	200	260	208	216	176	230	215	228	832	620	310	169
800EU125-20/4	350	330	255	236	208	230	215	298	1011	800	400	292
800EU125-24/4	350	330	255	236	208	230	215	298	1053	800	400	302
800EU125-28/4	350	330	255	236	208	230	215	298	1090	800	400	321
800EU125-32/4	350	330	255	236	208	230	215	298	1128	800	400	356
800EU125-38/4	400	400	310	236	208	230	215	298	1162	800	400	416
800EU125-40/4	450	450	325	272	248	230	215	314	1203	800	400	499
800EU125-46/4	450	450	325	272	248	230	215	314	1226	800	400	536

● Performance curve

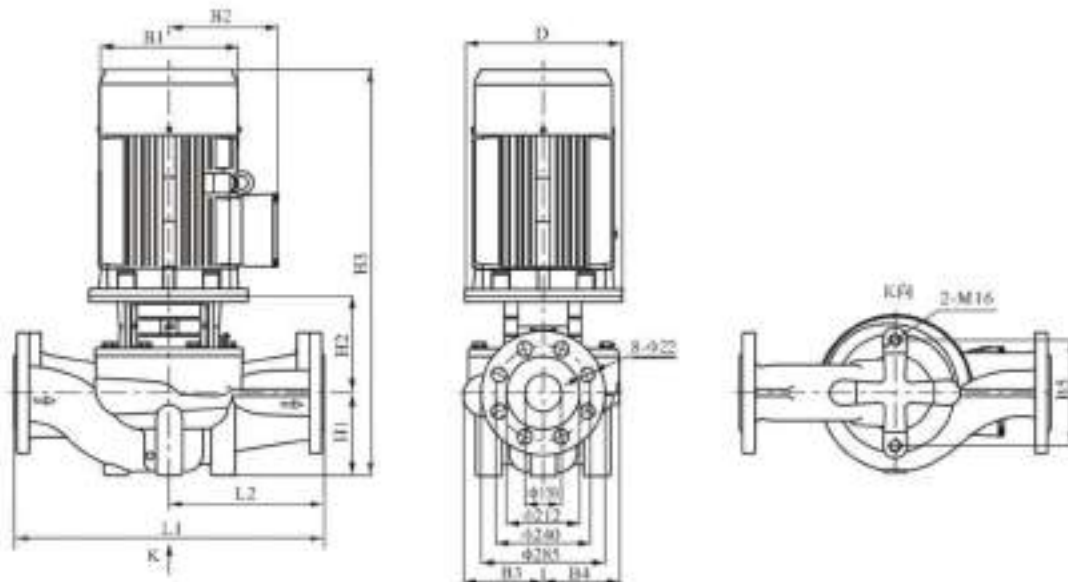
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● Performance table

Model	Driving motor		Q (m ³ /h)	H (m)										
	(kW)	(hp)		30	60	90	120	140	160	180	200	220	240	260
800EU150-15/4	11	15		19.1	18.4	17.6	16.7	15.9	15	14.1	12.7	10.5		
800EU150-18/4	15	20		21.6	21.3	20.8	20.1	19.5	18.8	18	16.9	15.4	12.6	
800EU150-20/4	18.5	25		24	23.6	23.3	22.9	22.4	21.7	20.9	20	18.9	17.4	15.6
800EU150-24/4	22	30		27	27.2	27.1	26.8	26.3	25.8	24.9	24	22.8	21.5	19.9
800EU150-32/4	30	40		34.2	34.4	34.6	34.4	34	33.5	32.8	32	30.9	29.4	27.3
800EU150-36/4	37	50		39.7	39.3	38.8	38.2	37.8	37.3	36.7	36	34.9	33.6	31.9
800EU150-44/4	45	60		47.3	47.4	47.2	46.8	46.4	45.8	45	44	42.9	41.7	40.2

● Installation sketch

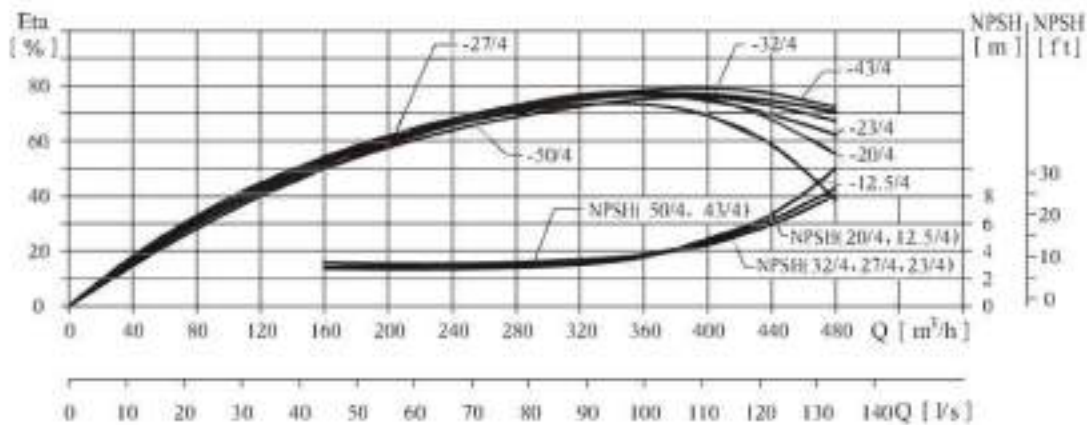
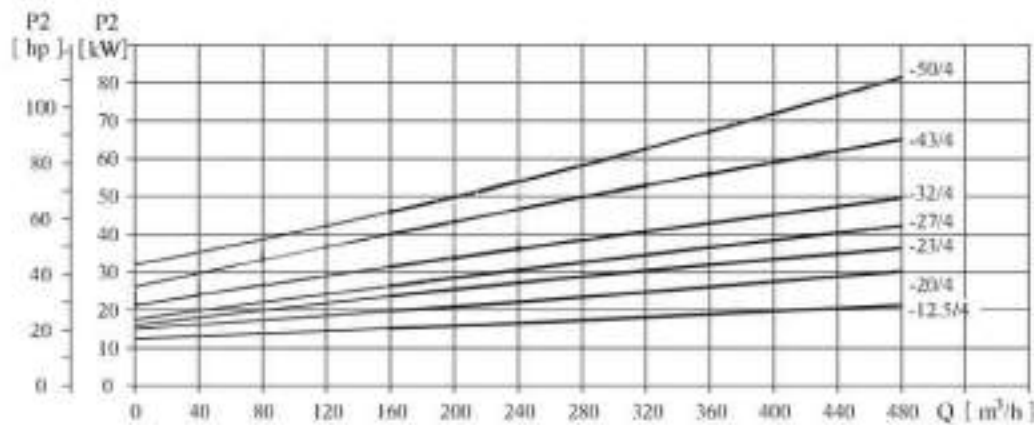
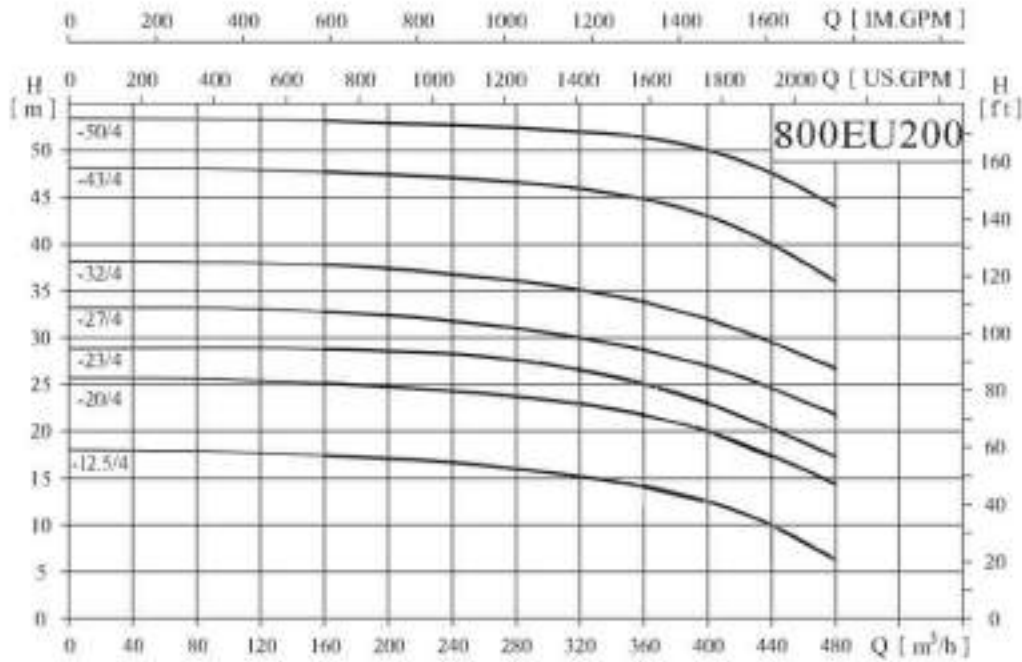


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU150-15/4	350	315	250	238	208	230	215	269	982	800	400	280
800EU150-18/4	350	315	250	238	208	230	215	269	1024	800	400	300
800EU150-20/4	350	360	275	238	208	230	215	269	1061	800	400	336
800EU150-24/4	350	360	275	238	208	230	215	269	1099	800	400	352
800EU150-32/4	400	400	305	238	208	230	215	269	1133	800	400	403
800EU150-36/4	450	450	325	267	248	230	230	288	1192	900	450	508
800EU150-44/4	450	450	325	267	248	230	230	288	1215	900	450	545

● Performance curve

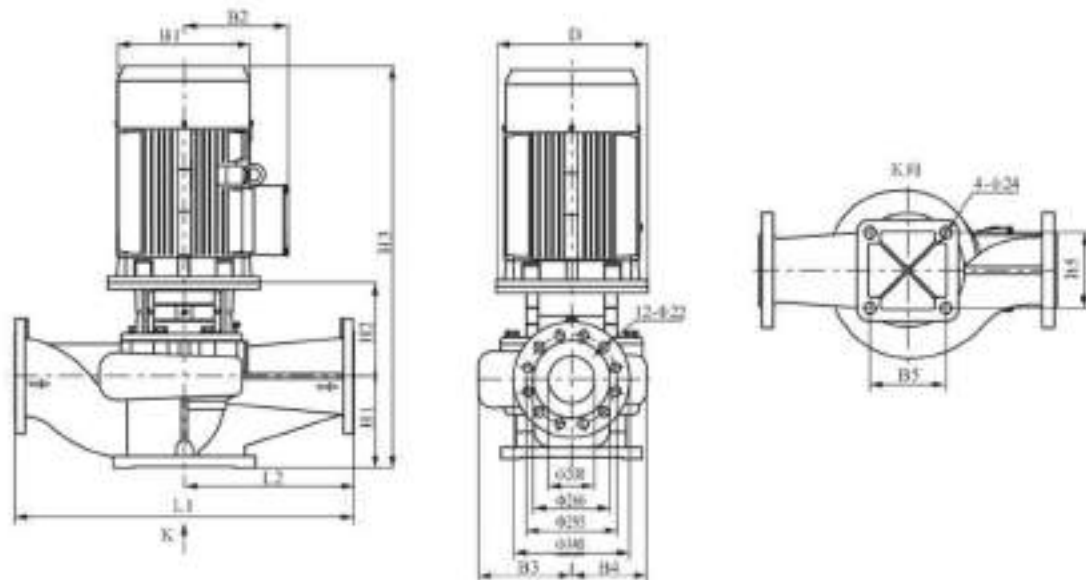
ISO9906 Annex A



● Performance table

Model	Driving motor		Q (m ³ /h)	160	200	240	280	320	360	400	440	480
	(kW)	(hp)										
800EU200-12.5/4	22	30	H (m)	17.4	17.1	16.7	16	15.2	14.1	12.5	10	6.3
800EU200-20/4	30	40		25.1	24.8	24.3	23.8	23	21.8	20	17.5	14.9
800EU200-23/4	37	50		28.8	28.6	28.3	27.6	26.6	25.1	23	20.3	17.3
800EU200-27/4	45	60		32.8	32.4	31.8	31	30	28.7	27	24.6	21.8
800EU200-32/4	55	75		37.8	37.4	36.8	36.1	35.1	33.8	32	29.5	26.7
800EU200-43/4	75	100		47.7	47.4	47.1	46.6	45.9	44.8	43	40	36
800EU200-50/4	90	120		53.2	52.9	52.7	52.4	52	51.4	50	47.6	44

● Installation sketch

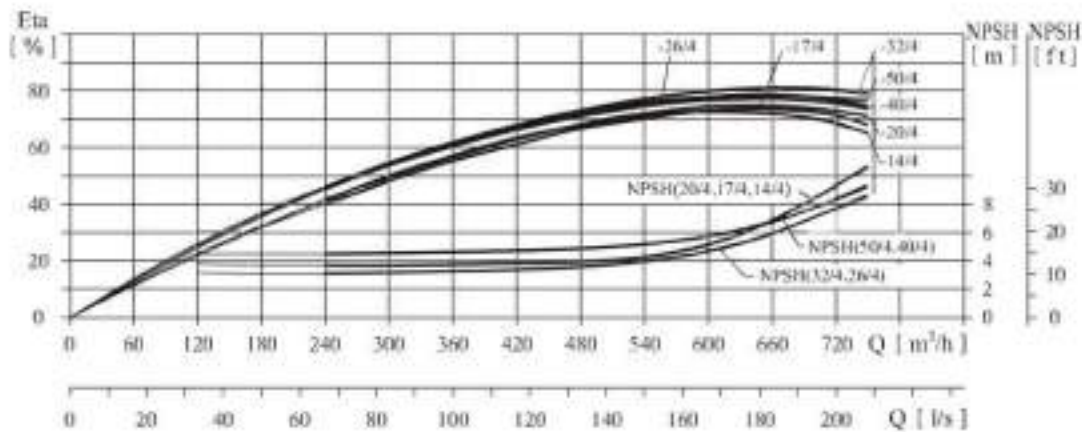
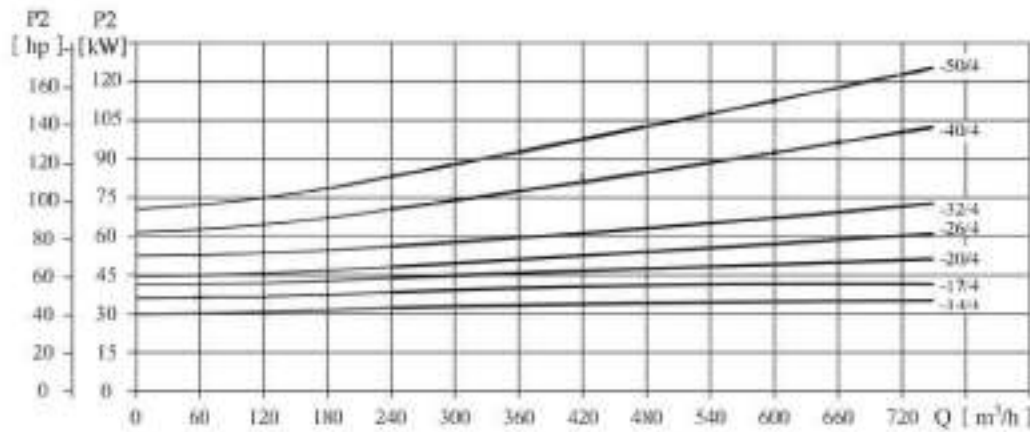
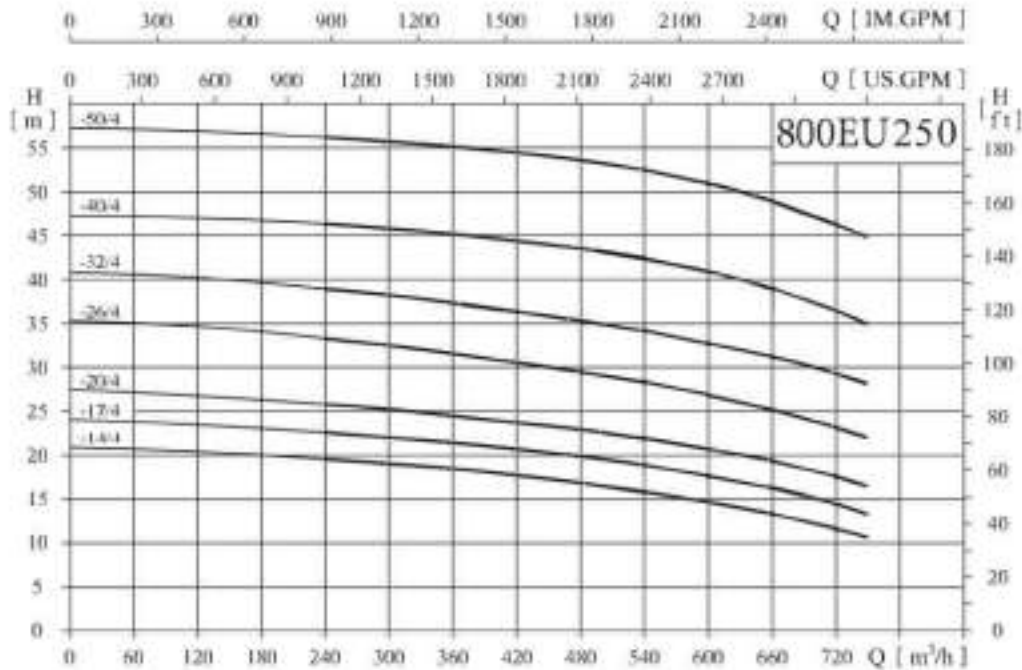


● Size and weight

Model	Size (mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
800EU200-12.5/4	350	360	280	278	219	360	270	415	1300	1000	500	431
800EU200-20/4	400	400	305	278	219	360	270	415	1334	1000	500	490
800EU200-23/4	450	450	335	303	252	360	270	445	1389	1100	550	600
800EU200-27/4	450	450	335	303	252	360	270	445	1412	1100	550	636
800EU200-32/4	550	490	365	303	252	360	270	445	1488	1100	550	707
800EU200-43/4	550	550	400	315	269	360	270	457	1556	1100	550	880
800EU200-50/4	550	550	400	315	269	360	270	457	1607	1100	550	971

● Performance curve

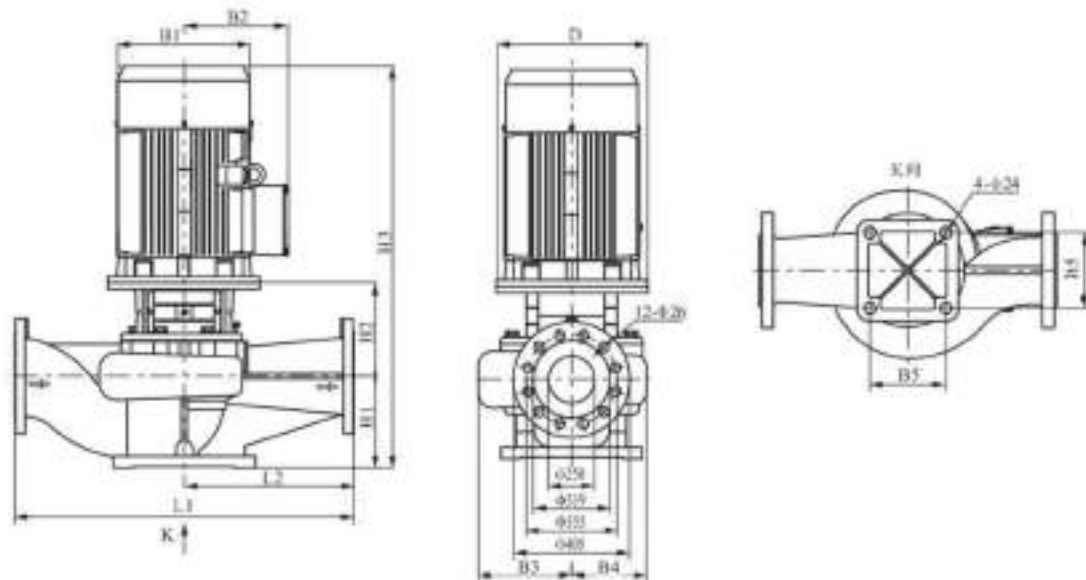
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Performance table

Model	Driving motor		Q (m ³ /h)	H (m)										
	(kW)	(hp)		240	300	360	420	480	540	600	630	660	720	750
800EU250-14/4	37	50	H (m)	19.6	19.1	18.4	17.7	16.8	15.9	14.7	14	13.3	11.6	10.7
800EU250-17/4	45	60		22.5	22.1	21.4	20.7	19.9	18.9	17.6	17	16.3	14.4	13.2
800EU250-20/4	55	75		25.8	25.2	24.5	23.7	22.9	21.9	20.7	20	19.3	17.6	16.5
800EU250-26/4	75	100		33.3	32.5	31.5	30.6	29.5	28.2	26.8	26	25.2	23.1	21.9
800EU250-32/4	90	120		38.9	38.2	37.3	36.3	35.3	34.2	32.8	32	31.2	29.3	28.2
800EU250-40/4	110	150		46.4	45.8	45.2	44.4	43.6	42.4	40.9	40	39	36.5	34.9
800EU250-50/4	132	180		56.1	55.7	55.1	54.4	53.6	52.5	50.9	50	48.9	46.3	44.8

Installation sketch



Size and weight

Model	Size (mm)										Weight (kg)	
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1		L2
800EU250-14/4	450	450	335	316	243	390	300	495	1469	1100	550	610
800EU250-17/4	450	450	335	316	243	390	300	495	1492	1100	550	647
800EU250-20/4	550	490	365	316	243	390	300	495	1568	1100	550	720
800EU250-26/4	550	550	400	329	264	440	300	507	1636	1100	550	906
800EU250-32/4	550	550	400	329	264	440	300	507	1687	1100	550	997
800EU250-40/4	660	625	555	347	292	440	305	525	1840	1200	600	1386
800EU250-50/4	660	625	555	347	292	440	305	525	1990	1200	600	1469

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A series of horizontal dashed lines for writing.

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