

智慧箱泵集成供水行业引领者

 铭星供水设备  
MINGXING WATER SUPPLY



# EC Inline Circulation Pump 50Hz



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**江苏铭星供水设备有限公司**  
JIANGSU MINGXING WATER SUPPLY EQUIPMENT CO.,LTD

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## COMPANY PROFILE

### About Us

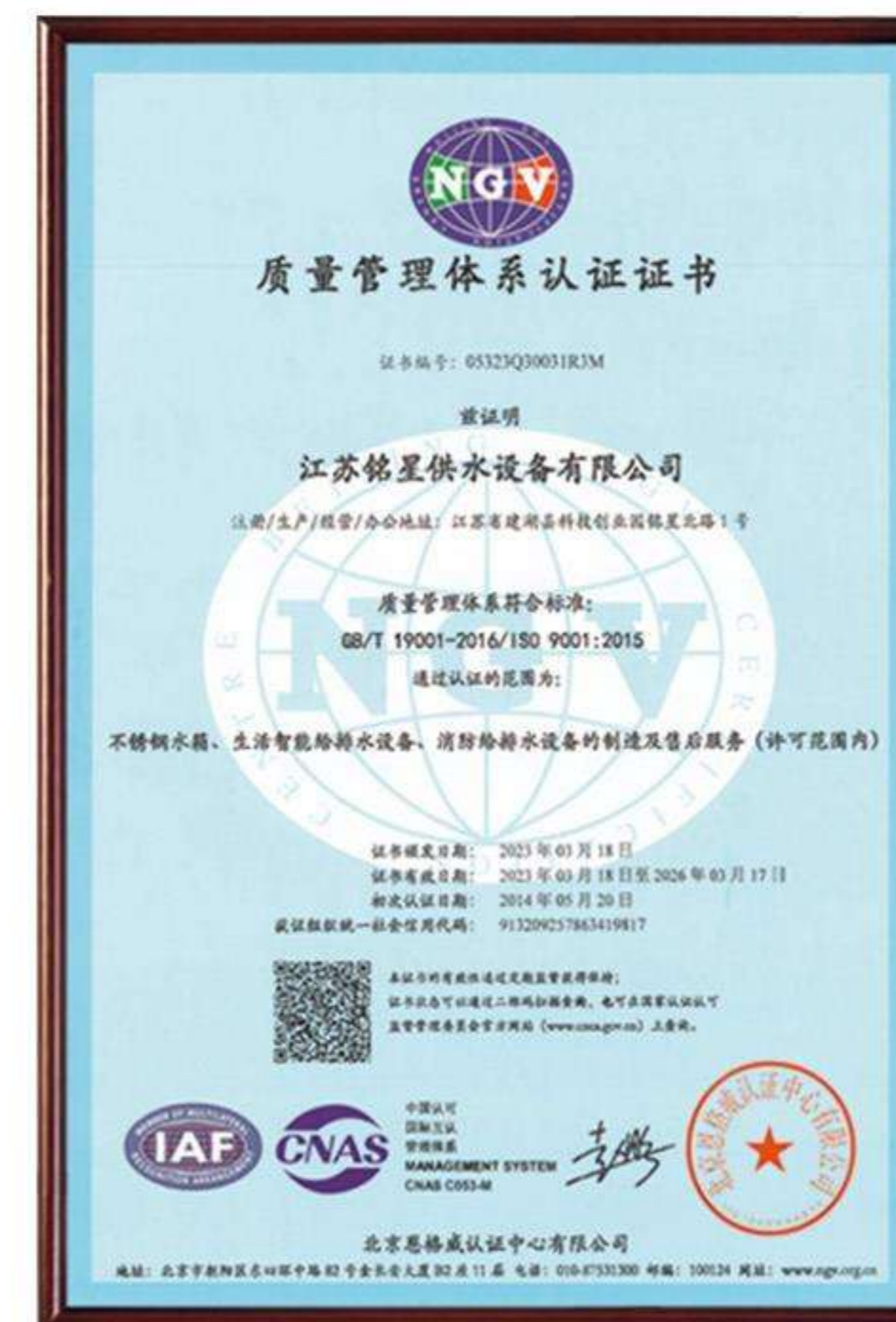
The company is product-oriented and has established long-term industry-university-research cooperation relationships with national key scientific research institutes. It has a provincial R&D platform, and has dozens of intellectual property rights such as invention patents, utility model patents, and copyrights. Many products such as floating pump station have been rated as provincial high-tech products and provincial new product and new technology appraisal. Editor-in-chief of "Selection and Installation of Prefabricated Tank Pump Integrated Fire Water Supply Pump Station - MX Smart Pump Station" 18CS01, "Technical Regulations of Prefabricated Tank Pump Integrated Fire Water Supply Pump Station" CECS623-2019, and participated in the compilation of "Inverter Frequency Modulation Selection and Installation of Quick Water Supply Equipment" 16S111, "Technical Regulations for the Application of Sewage Lifting Devices" CECS463-2017, "Practical Guidelines for Water Disposal Regulations" and other atlases, standards and technical documents.

Since its establishment in 2006, the company has unwaveringly adhered to product innovation, and has a broad customer base in government departments, hospitals, education and other fields.

The company has passed the three major certifications of ISO9001 quality management system, ISO14000 environmental management system and OHSAS occupational health and safety system. Fire protection products have passed 3C compulsory certification, established a perfect quality assurance system, and was rated as "AAA-level" credit unit in Jiangsu Province.

As a standard-setting enterprise for intelligent fire protection integrated pumping station, the company has an independent and mature software and hardware development team, independent research and development and production capacity is quite large, which has laid a solid foundation and strong guarantee for the intelligent fire protection industry.

The company's latest "smart fire protection" system, based on the design concept of smart city construction, applies a new generation of information technologies such as the Internet of Things, big data, cloud computing, mobile Internet, etc., which can fully realize the efficient operation of the fire alarm system and effectively improve the entire fire protection system. The efficiency of linkage and cooperation of the system truly achieves the perfect embodiment of prevention first and the combination of prevention and fire protection advocated by fire protection.



### Pump Introduction

EC series single-stage vertical pipeline centrifugal pump through the centrifugal force generated by the impeller of the rotating pump to drive the rotation of the fluid to complete the liquid transport, mainly by the main shaft, impeller, pump shell, mechanical seal combination of the pump body and the motor through the coupling. EC series can work under high temperature and pressure, mainly used in boilers, cooling towers, air conditioning systems, and can be used as booster pumps in water supply systems. Its tubular structure ensures that the pump is installed directly in a horizontal piping system with the same inlet and outlet level and the same pipe diameter. This design makes the pump structure and piping more compact.

### Pump Connection

- Pull-up design, motor and pump body for separate structure
- The pump head is used as a connecting device between the motor and the pump body, and the O-ring is used as a seal between the pump body and the motor
- The flange size conforms to the requirements of PN16 in GB/T17241.6 or ISO7005-2/DIN2501

### Pump liquid temperature

- Normal temperature pump: liquid temperature between -15 °C and +70°C
- Hot water pump: liquid temperature between -15 °C and +105 °C

### Max Working Pressure

- Standard Type: PN12bar
- High Pressure Type: PN16ba

### Minimum Inlet Pressure NPSH

Cavitation may occur if the pump is under any of the following conditions during operation:

- The water tank or pool is lower than the pump intake
- Excessive liquid temperature
- The actual flow rate is obviously higher than the rated flow rate
- The pressure in the pump is lower than the vaporization pressure of the delivered liquid

To avoid cavitation, ensure that there is a minimum pressure on the inlet side of the pump. The maximum suction H[m] can be calculated as follows:

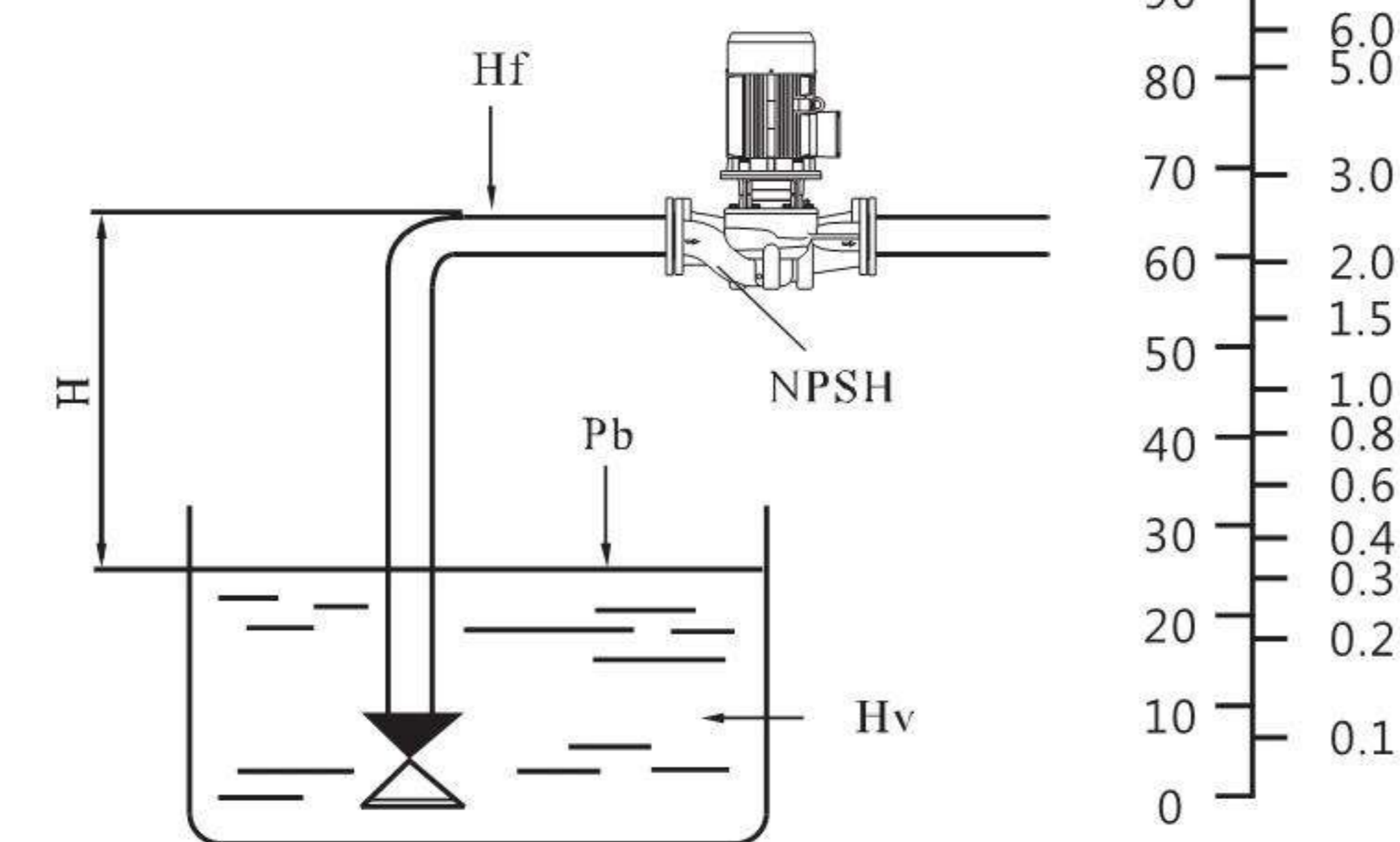
$$H = P_b \times 10.2 - NPSH - H_f - H_v - H_s$$

$P_b$  = Atmospheric pressure [bar]  
 (Atmospheric pressure can be set to 1bar)  
 In a closed system,  $P_b$  is the system pressure

$NPSH$  = net positive suction  
 (Can be read from the maximum possible flow of the pump on the NPSH curve)

$H_f$  = Line loss at inlet [m]  
 $H_v$  = Vaporization pressure [m]  
 $H_s$  = Safety margin = Min. 0.5m Head Check to ensure that the pump is not/is not in a cavitation state

if the calculated H is positive, the pump can be operated at maximum suction H.  
 If H is negative, there must be a head with a minimum inlet pressure H.



Check to make sure the pump is not/is not in a cavitation state

### Motor

- Squirrel-cage fully enclosed air-cooled IEC motors are suitable for continuous operation
- Protection Grade: IP55
- Insulation Grade: F
- Standard Voltage: 3x220-240/380-415V  
1x220-240V
- Single phase motors are available from 0.37kW-2.2kW

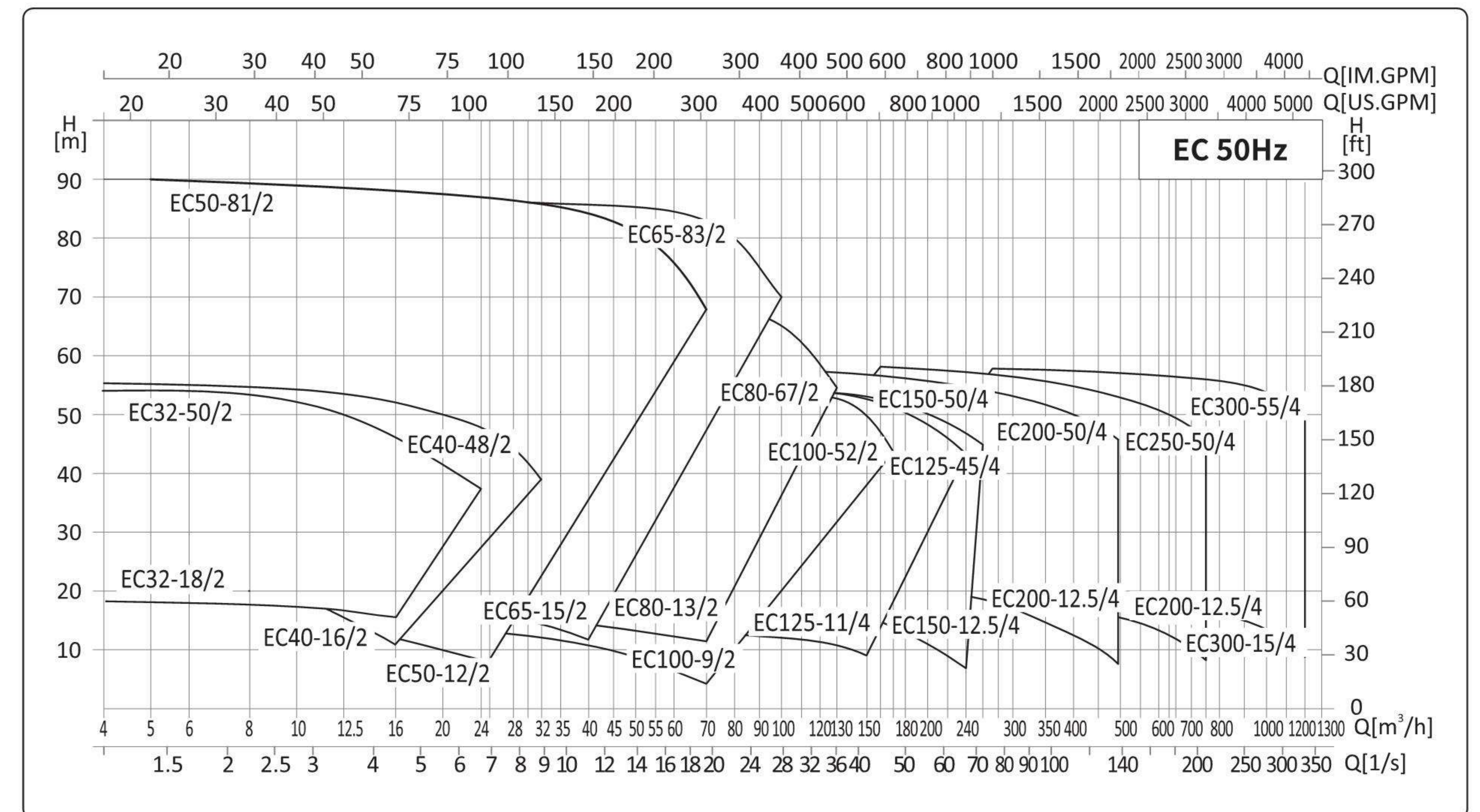
### Performance Curve

- All curves are based on 3 × 380V motor measurements at a constant speed of 2900rpm, 1480rpm or 1450rpm
- Curve tolerance in line with ISO9906.
- Test medium of clean water temperature is 20°C, does not contain any solid impurities and air .
- The use of the pump refers to the performance range of the thick line to prevent the flow rate from overheating the motor, or the flow rate from overloading the motor.

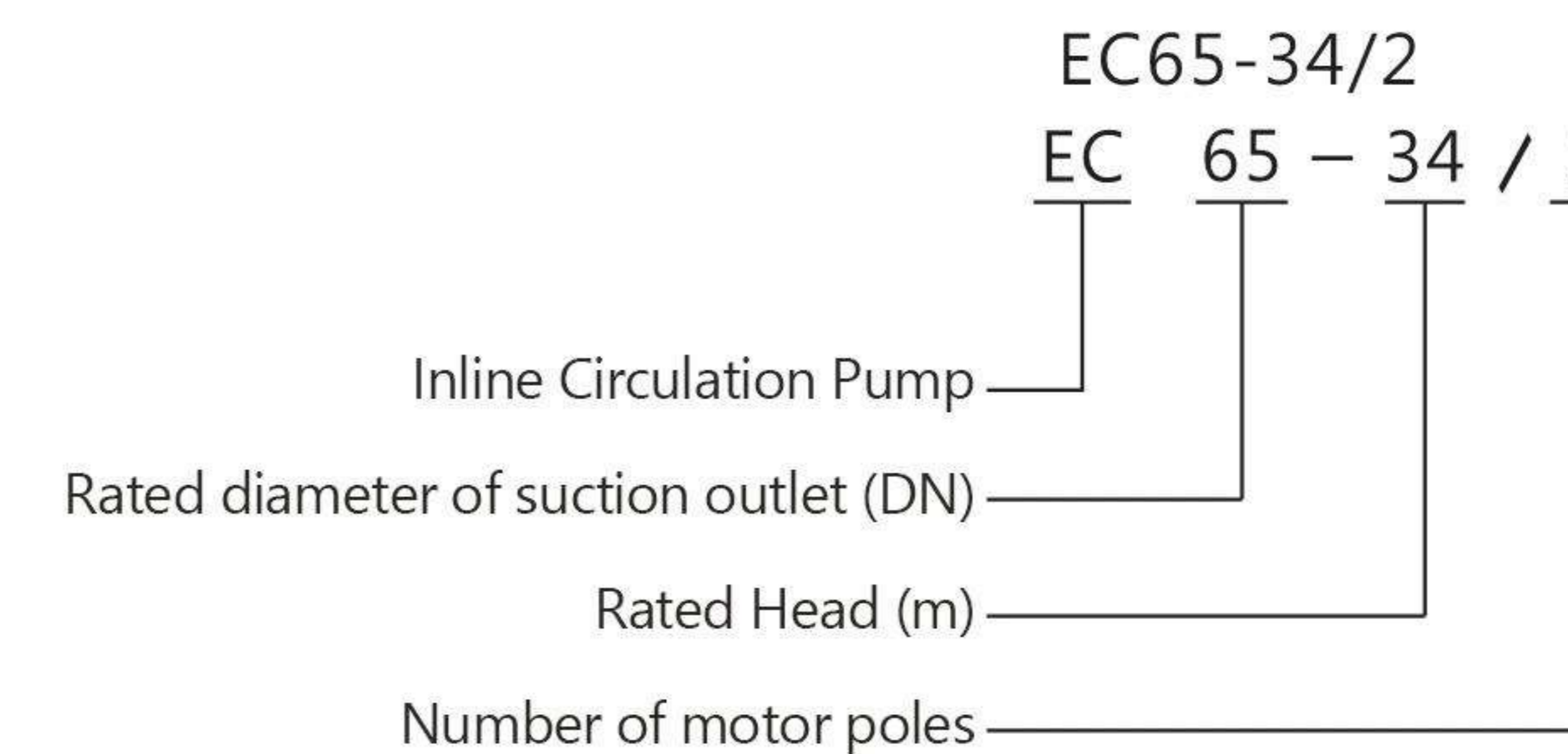
### Pump operating condition

- Liquid of thin, clean, non-flammable or explosive, and does not contain particles or fibers
- Ambient temperature: no more than +40 °C
- Altitude: no more than 1000m

### Performance Range



### Model Definition



### Typical applications

- District heating system
- HVAC air conditioning system
- Cooling system
- Domestic hot water system
- Industrial liquid transport
- Water supply system

Products Overview

Chart 1

S/N	Pump Model	Q [m <sup>3</sup> /h]	H [m]	n [r/min]	Standard Motor Voltage[V]	
					1×220V	3×380V
					P2 [kW]	P2 [kW]
1	EC32-18/2	8	18	2900	1.1	1.1
2	EC32-21/2	12.5	21		1.5	1.5
3	EC32-25/2	12.5	25		2.2	2.2
4	EC32-32/2	12.5	32			3
5	EC32-38/2	12.5	38			4
6	EC32-50/2	12.5	50			5.5
7	EC40-16/2	12.5	16		1.1	1.1
8	EC40-20/2	12.5	20		1.5	1.5
9	EC40-18/2	20	18		2.2	2.2
10	EC40-25/2	20	25			3
11	EC40-30/2	25	30			4
12	EC40-36/2	25	36			5.5
13	EC40-48/2	25	48			7.5
14	EC50-32/2	12.5	32			3
15	EC50-38/2	12.5	38			4
16	EC50-48/2	12.5	48			5.5
17	EC50-12/2	16	12		1.1	1.1
18	EC50-15/2	20	15		1.5	1.5
19	EC50-18/2	25	18		2.2	2.2
20	EC50-24/2	25	24			3
21	EC50-28/2	30	28			4
22	EC50-35/2	30	35			5.5
23	EC50-40/2	35	40			7.5
24	EC50-50/2	40	50			11
25	EC50-60/2	50	60			15
26	EC50-70/2	50	70			18.5
27	EC50-81/2	50	81			22
28	EC65-36/2	25	36			5.5
29	EC65-48/2	25	48			7.5
30	EC65-15/2	30	15		2.2	2.2
31	EC65-19/2	30	19			3
32	EC65-22/2	40	22			4
33	EC65-30/2	40	30			5.5
34	EC65-34/2	50	34			7.5
35	EC65-40/2	50	40			11
36	EC65-50/2	50	50			15
37	EC65-61/2	50	61			18.5
38	EC65-67/2	50	67			22
39	EC65-83/2	50	83			30
40	EC80-13/2	50	13			3
41	EC80-18/2	50	18			4

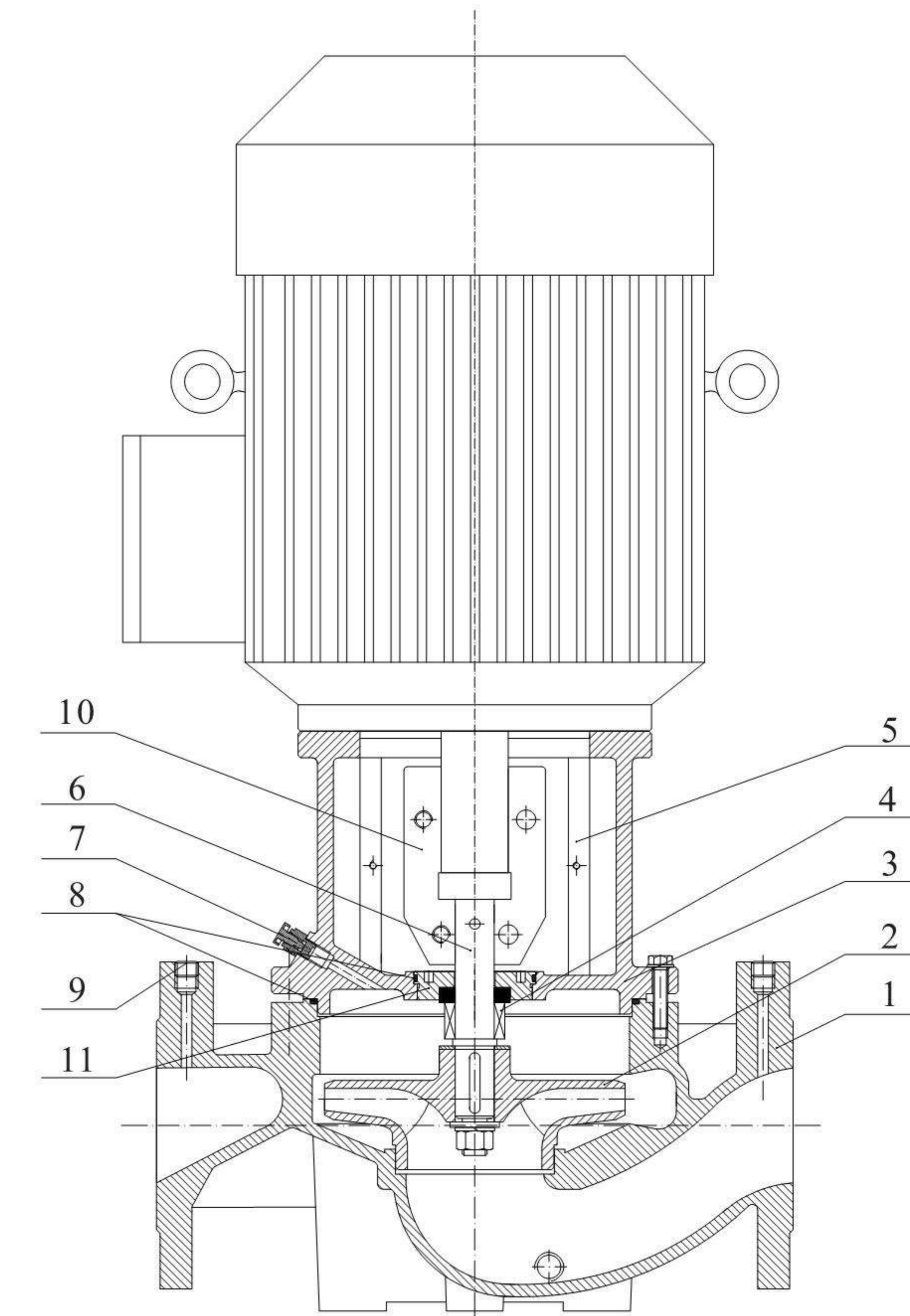
Continued Chart 1

S/N	Pump Model	Q [m <sup>3</sup> /h]	H [m]	n [r/min]	Standard Motor Voltage[V]		
					1×220V	3×380V	
					P2 [kW]	P2 [kW]	
42	EC80-22/2	50	22	2900		5.5	
43	EC80-28/2	50	28				7.5
44	EC80-40/2	50	40				11
45	EC80-48/2	50	48				15
46	EC80-30/2	80	30				11
47	EC80-38/2	80	38				15
48	EC80-47/2	80	47				18.5
49	EC80-54/2	80	54				22
50	EC80-67/2	80	67				30
51	EC100-9/2	50	9			2.2	2.2
52	EC100-15/2	60	15				4
53	EC100-17/2	80	17				5.5
54	EC100-22/2	80	22				7.5
55	EC100-27/2	100	27				11
56	EC100-33/2	100	33				15
57	EC100-40/2	100	40				18.5
58	EC100-48/2	100	48				22
59	EC100-52/2	130	52			30	
60	EC125-11/4	120	11	1450		5.5	
61	EC125-14/4	120	14				7.5
62	EC125-18/4	160	18	1480		11	
63	EC125-22/4	160	22				15
64	EC125-28/4	160	28				18.5
65	EC125-32/4	160	32				22
66	EC125-40/4	160	40				30
67	EC125-48/4	160	48				37
68	EC150-13/4	200	13				11
69	EC150-18.5/4	200	18.5				15
70	EC150-21/4	200	21				18.5
71	EC150-26/4	200	26				22
72	EC150-33/4	200	33				30
73	EC150-43/4	200	43				37
74	EC150-50/4	200	50				45
75	EC200-15/4	300	15				18.5
76	EC200-18/4	300	18				22
77	EC200-24/4	300	24			30	
78	EC200-30/4	300	30			37	
79	EC200-35/4	300	35			45	
80	EC200-44/4	300	44			55	
81	EC200-53/4	300	53			75	
82	EC200-12.5/4	400	12.5			22	
83	EC200-20/4	400	20			30	

Continued Chart 2

S/N	Pump Model	Q [m <sup>3</sup> /h]	H [m]	n [r/min]	Standard Motor Voltage[V]	
					1×220V	3×380V
					P2 [kW]	P2 [kW]
84	EC200-23/4	400	23	1480		37
85	EC200-29/4	400	29		45	
86	EC200-32/4	400	32		55	
87	EC200-38/4	400	38		55	
88	EC200-47/4	400	47		75	
89	EC200-50/4	400	50		90	
90	EC250-15/4	500	15		30	
91	EC250-18/4	500	18		37	
92	EC250-21/4	500	21		45	
93	EC250-27/4	500	27		55	
94	EC250-36/4	500	36		75	
95	EC250-44/4	500	44		90	
96	EC250-53/4	500	53	110		
97	EC250-12.5/4	630	12.5	30		
98	EC250-14/4	630	14	37		
99	EC250-17/4	630	17	45		
100	EC250-20/4	630	20	55		
101	EC250-30/4	630	30	75		
102	EC250-32/4	630	32	90		
103	EC250-38/4	630	38	90		
104	EC250-45/4	630	45	110		
105	EC250-50/4	630	50	132		
106	EC300-15/4	900	15	55		
107	EC300-20/4	900	20	75		
108	EC300-25/4	900	25	90		
109	EC300-30/4	900	30	110		
110	EC300-35/4	900	35	132		
111	EC300-44/4	900	44	160		
112	EC300-55/4	900	55	200		

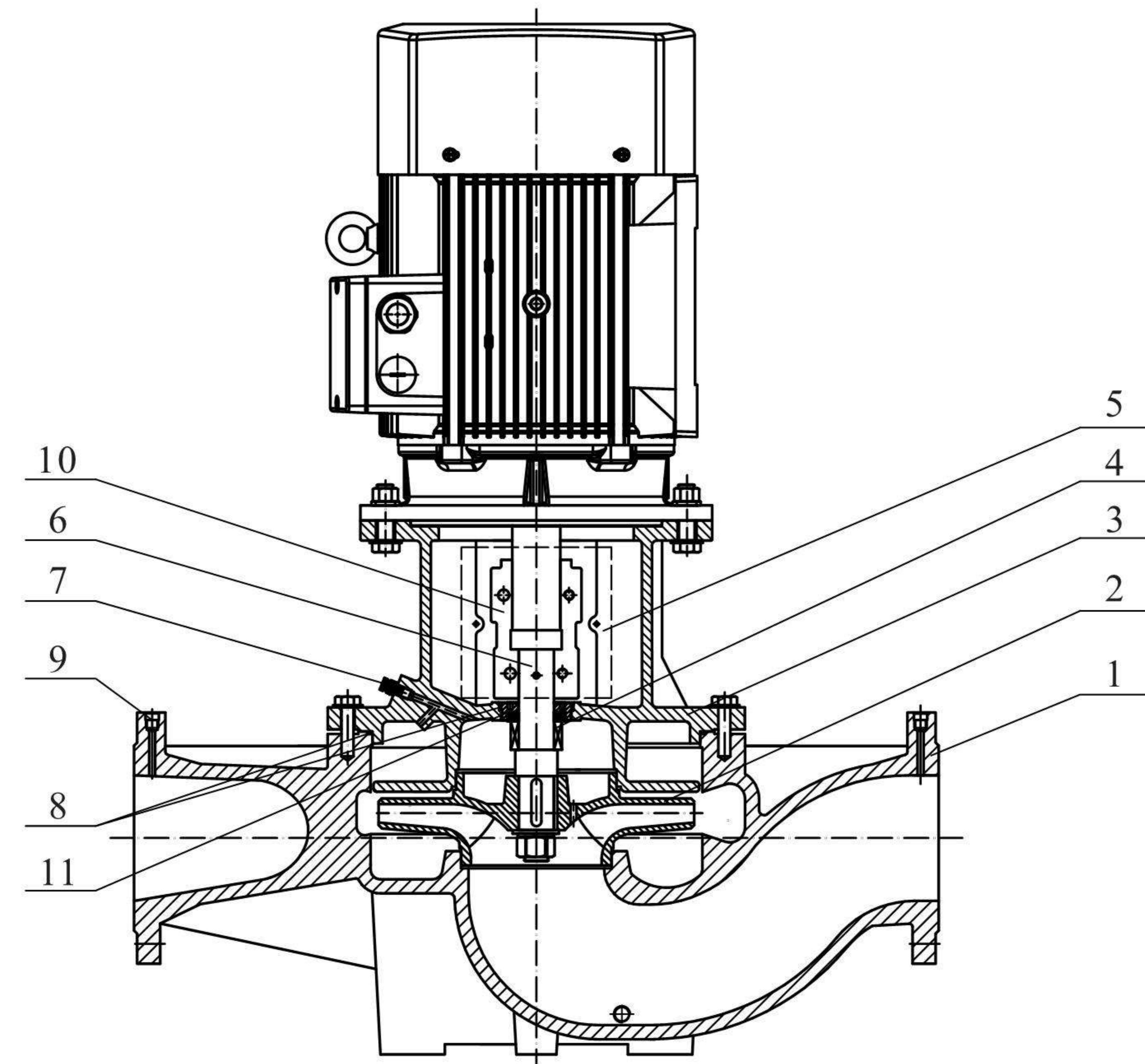
Structure chart EC32-18/2-EC125-14/4



Materials EC32-18/2-EC125-14/4

S/N	Components	Materials	GB	EN DIN	AISI/ASTM
1	Pump casing	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B
2	Impeller	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B
		Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
3	Pump head	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B
4	Mechanical seal	/	/	/	/
5	Cover plate	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
6	Pump shaft	Stainless steel	GB/T20878-20Cr13	EN10088-1.4021	AISI420
7	Air vent assembly	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
8	Rubber ring	EPDM	/	/	/
9	Plug	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
10	Coupling	Cast iron	GB 1348-QT500-7	EN1563 EN-GJS-500-7	ASTM 65-45-12
11	Sealing base	Carbon steel	45#	C45	ASTM1045

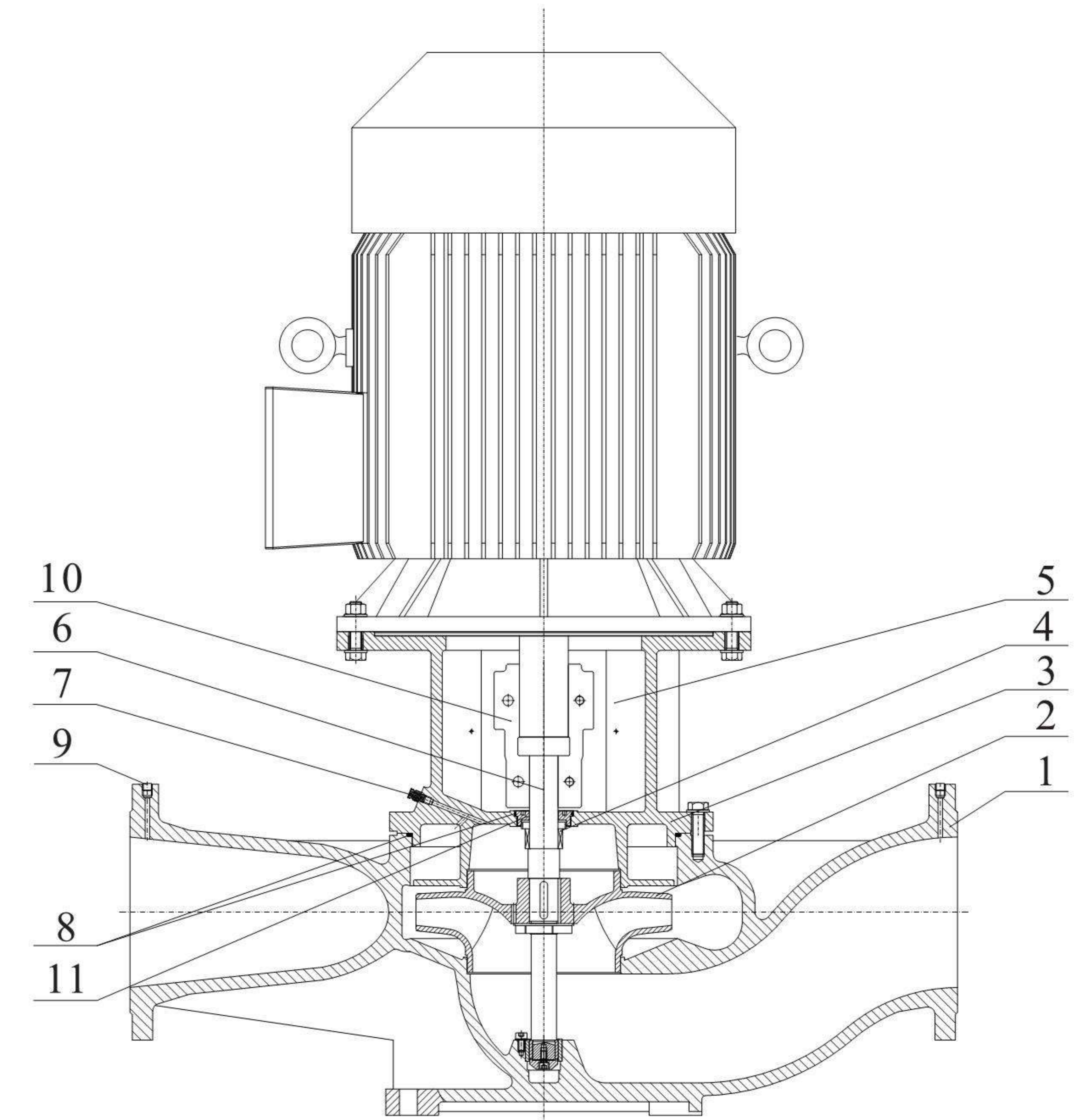
Structure chart EC125-18/4-EC150-50/4



Materials EC125-18/4-EC150-50/4

S/N	Components	Materials	GB	EN DIN	AISI/ASTM
1	Pump casing	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B
2	Impeller	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B
		Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
3	Pump head	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B
4	Mechanical seal	/	/	/	/
5	Cover plate	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
6	Pump shaft	Stainless steel	GB/T20878-20Cr13	EN10088-1.4021	AISI420
7	Air vent assembly	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
8	Rubber ring	EPDM	/	/	/
9	Plug	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
10	Coupling	Cast iron	GB 1348-QT500-7	EN1563 EN-GJS-500-7	ASTM 65-45-12
11	Sealing base	Carbon steel	45#	C45	ASTM1045

Structure chart EC200-EC250



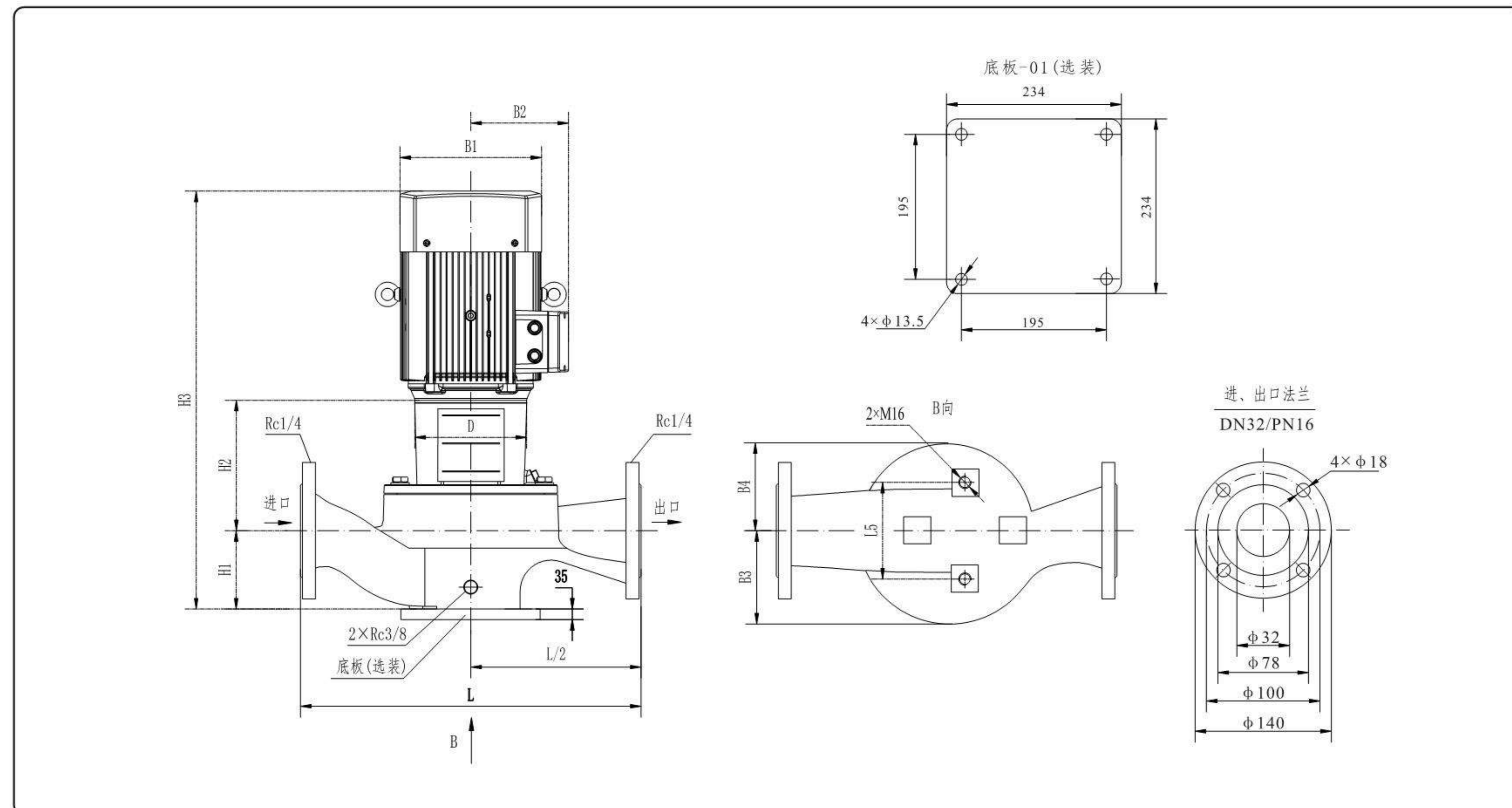
Materials EC200-EC250

S/N	Components	Materials	GB	EN DIN	AISI/ASTM
1	Pump casing	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B
2	Impeller	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B
		Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
3	Pump head	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B
4	Mechanical seal	/	/	/	/
5	Cover plate	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
6	Pump shaft	Stainless steel	GB/T20878-20Cr13	EN10088-1.4021	AISI420
7	Air vent assembly	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
8	Rubber ring	EPDM	/	/	/
9	Plug	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
10	Coupling	Cast iron	GB 1348-QT500-7	EN1563 EN-GJS-500-7	ASTM 65-45-12
11	Sealing base	Carbon steel	45#	C45	ASTM1045

Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)							
	(kW)	(HP)		2	4	6	8	10	12.5	14	16
EC32-18/2	1.1	1.5		19.3	19.1	18.7	18	16.7	14.3		
EC32-21/2	1.5	2.0		24.4	24.2	23.9	23.3	22.5	21	19.4	15.8
EC32-25/2	2.2	3.0		28.2	28.2	28	27.5	26.7	25	23.6	20.6
EC32-32/2	3	4.0		34.2	34.2	33.9	33.6	33.1	32	30.8	28.1
EC32-38/2	4	5.5		39.7	39.8	39.7	39.4	39	38	37	35.1
EC32-50/2	5.5	7.5		51.6	51.6	51.4	51.1	50.7	50	49.3	47.9

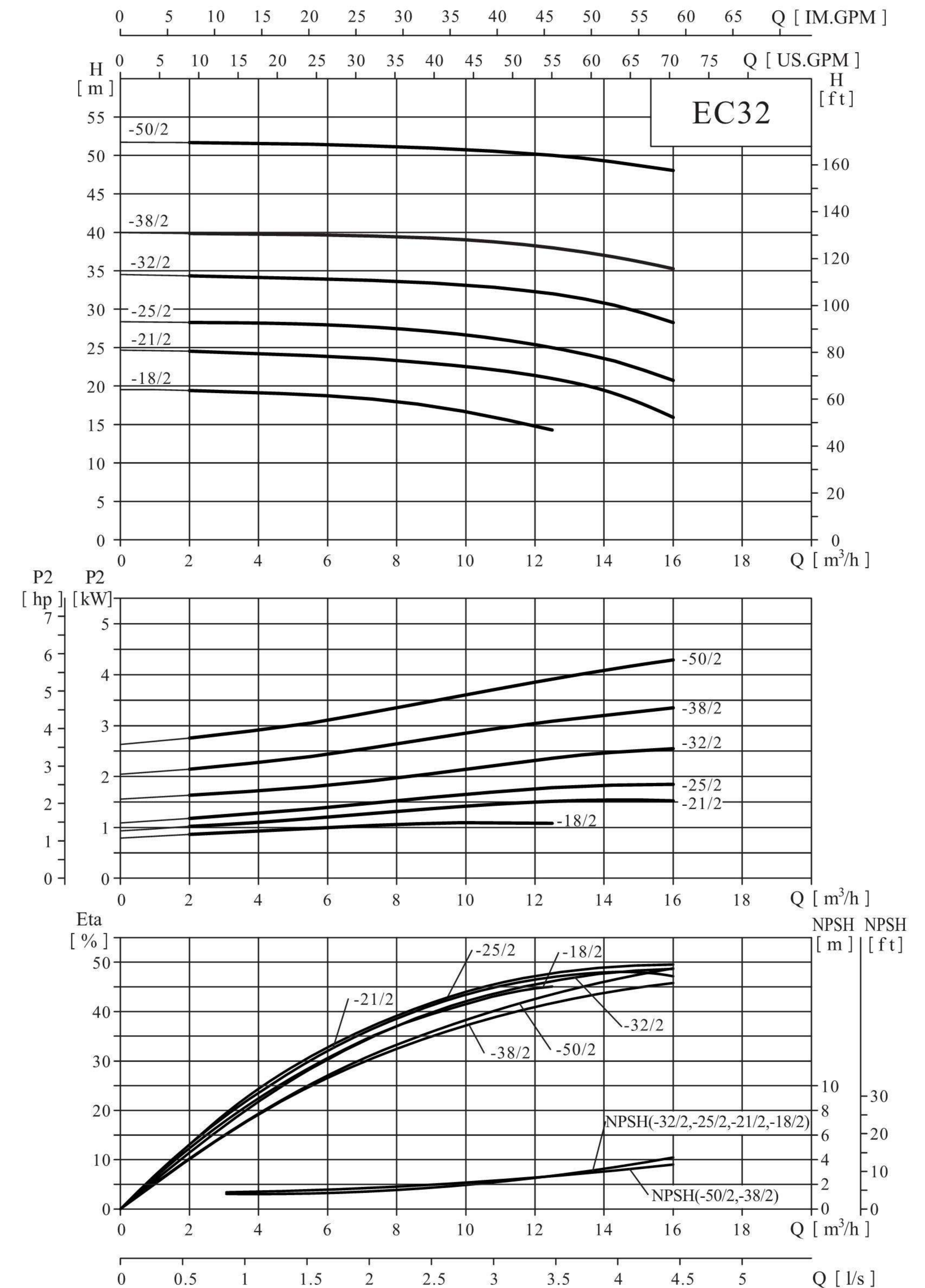
Mounting dimensions and product weight



Pump Model	Size[mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC32-18/2	120	170	142	124	116	144	100	189	540	340	36
EC32-21/2	140	190	155	124	116	144	100	199	592	340	40
EC32-25/2	140	190	155	124	116	144	100	199	592	340	42
EC32-32/2	160	197	165	124	116	144	100	205	619	340	48
EC32-38/2	160	230	188	142	142	144	100	207	642	440	64
EC32-50/2	200	260	208	142	142	144	100	227	737	440	85

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

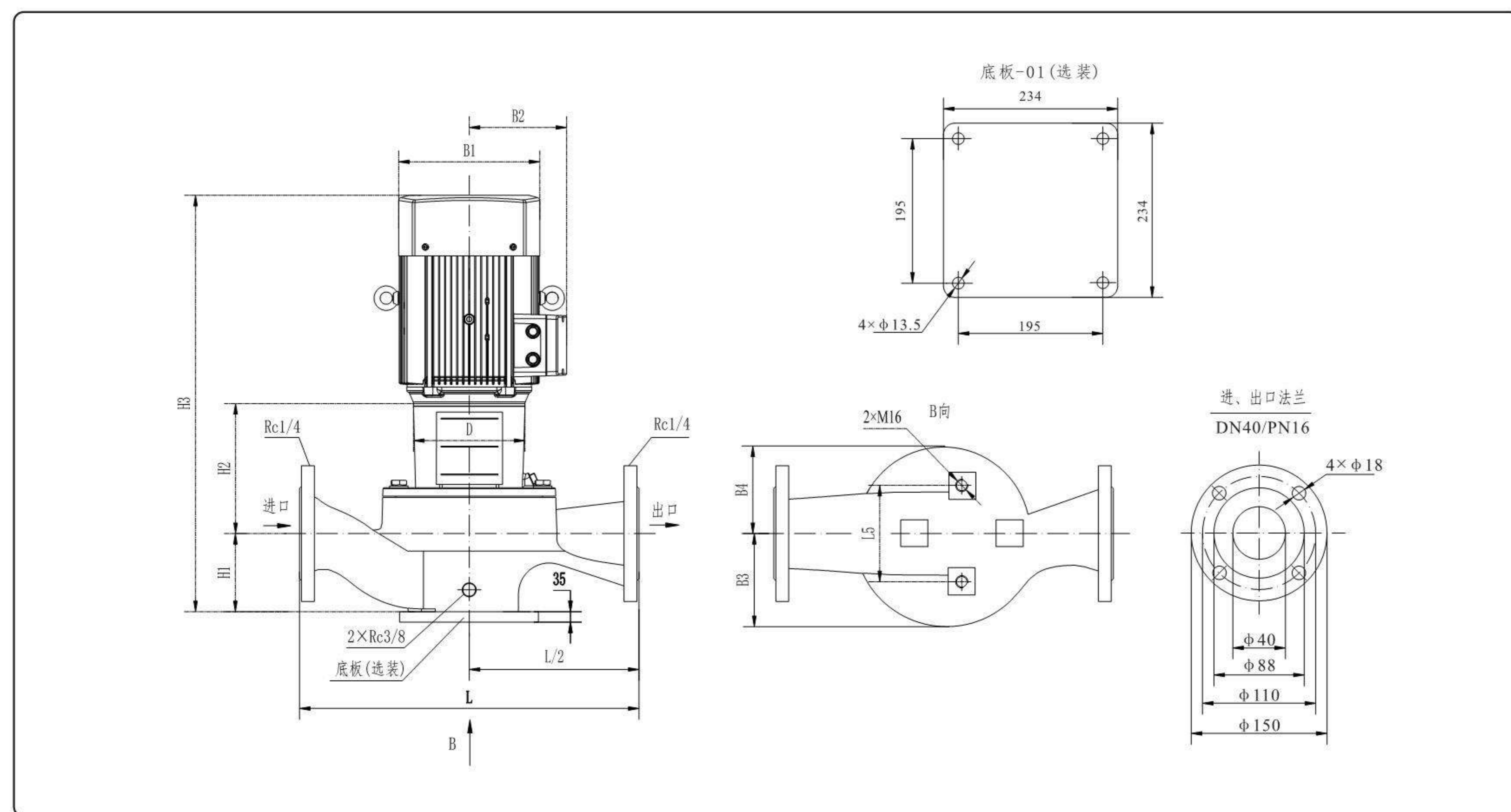
EC32-\*/2 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)											
	(kW)	(HP)		4	8	12.5	16	20	25	28	32				
EC40-16/2	1.1	1.5		17.7	17.3	16	12.5								
EC40-20/2	1.5	2.0		21.4	21.1	20	17.2								
EC40-18/2	2.2	3.0		19.8	19.8	19.5	19	18	15.8						
EC40-25/2	3	4.0		27.6	27.5	27.1	26.4	25	22.5						
EC40-30/2	4	5.5		33.7	33.6	33.1	32.6	31.7	30	28.6	26				
EC40-36/2	5.5	7.5		38.9	38.8	38.5	38.1	37.3	36	35	32.5				
EC40-48/2	7.5	10		49.7	49.7	49.5	49.4	49	48	46.6	44.1				

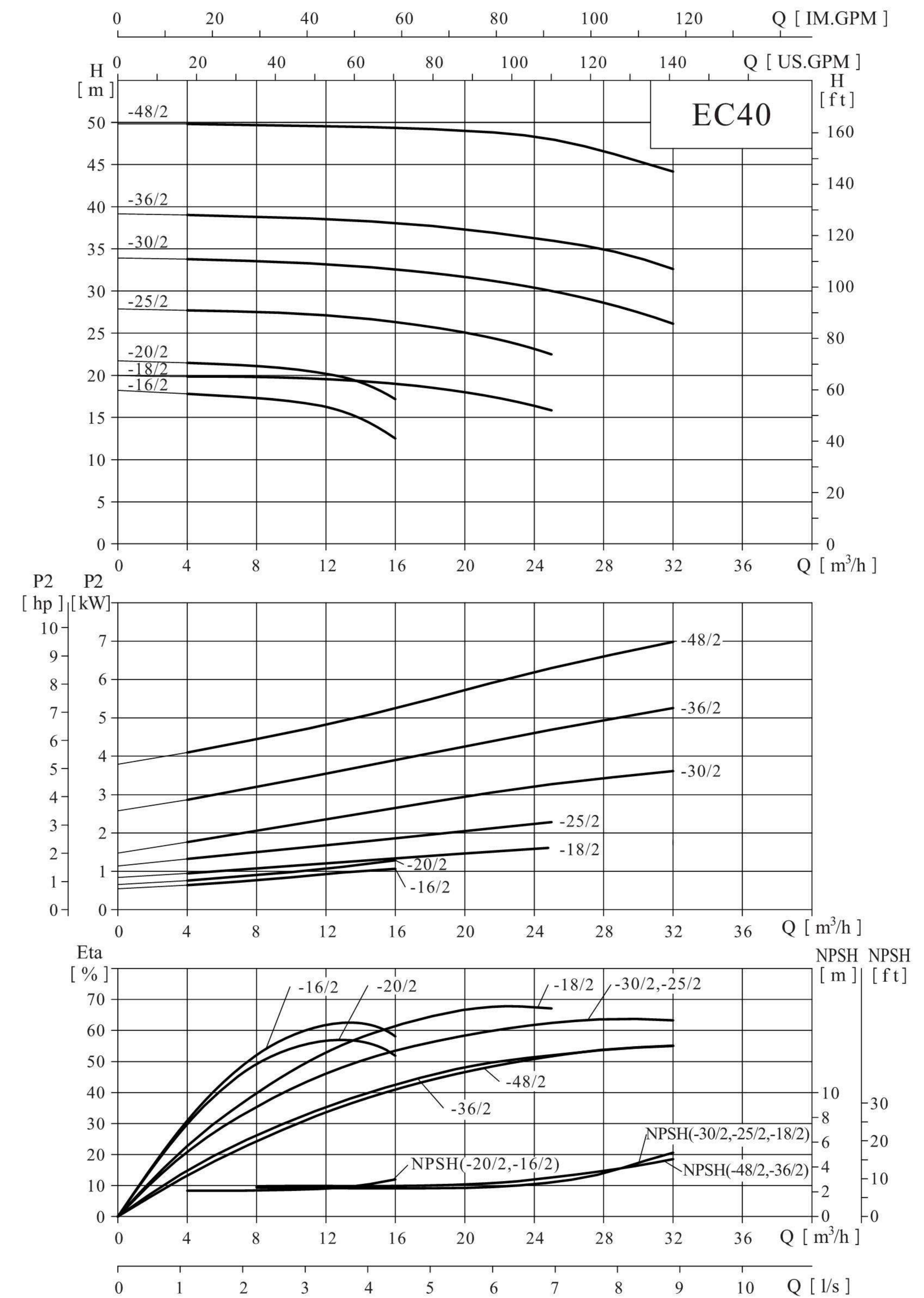
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC40-16/2	120	170	142	96	95	120	68	178	497	320	31
EC40-20/2	140	190	155	96	95	120	68	188	549	320	36
EC40-18/2	140	190	155	109	94	144	100	195	588	340	40
EC40-25/2	160	197	165	126	114	144	100	207	621	340	52
EC40-30/2	160	230	188	126	114	144	100	207	642	340	62
EC40-36/2	200	260	208	136	123	144	110	227	747	440	86
EC40-48/2	200	260	208	136	123	144	110	227	747	440	95

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

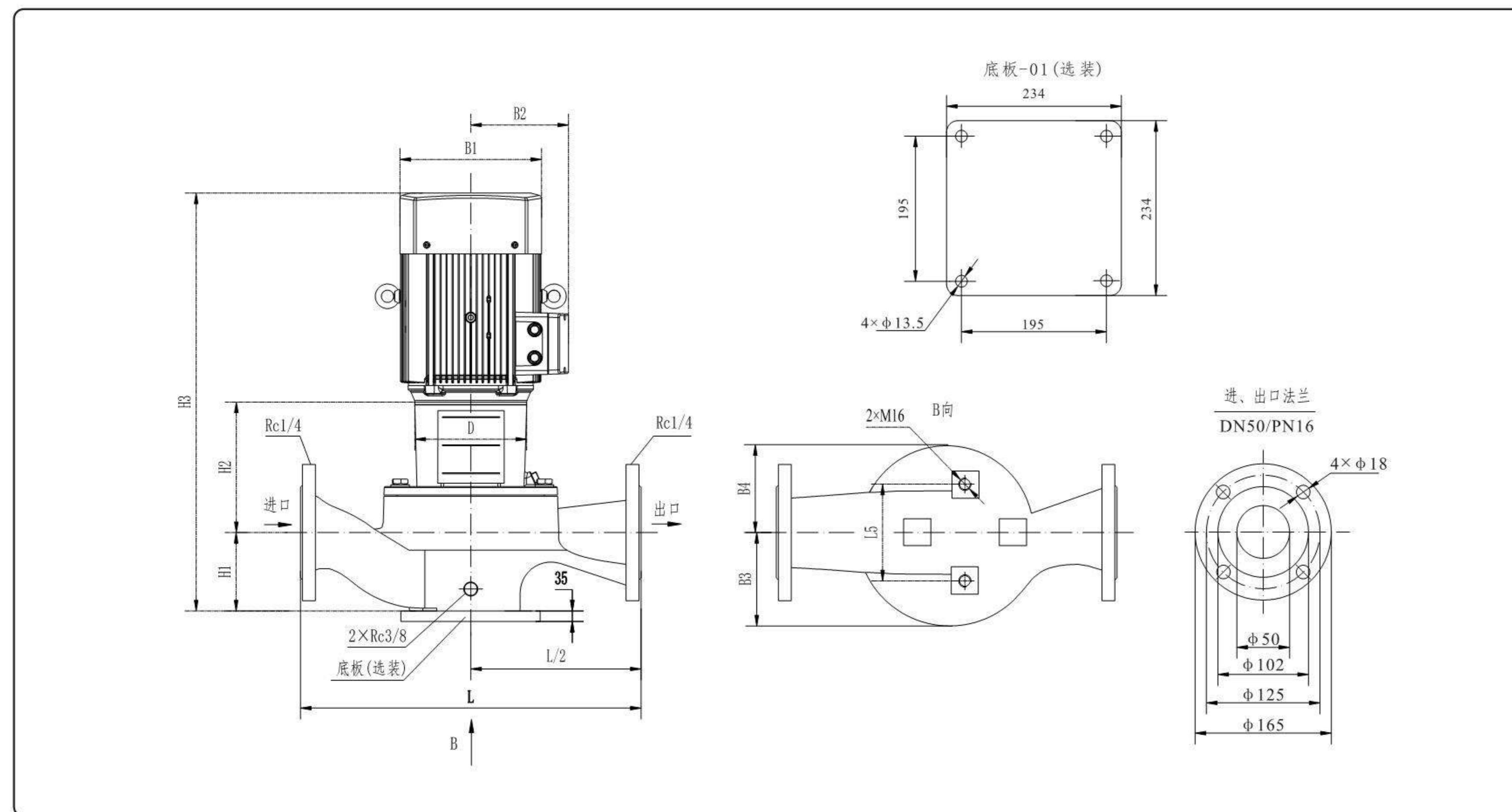
EC40-\*/2 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	2.5	5	7.5	10	12.5	15	17.5	20
	(kW)	(HP)									
EC50-32/2	3	4.0	H (m)	34.9	34.6	34	33.2	32	30.5	27.9	23.2
EC50-38/2	4	5.5		40.7	40.6	40.2	39.2	38	36.2	33.9	30.3
EC50-48/2	5.5	7.5		50.4	50	49.7	49	48	46.5	44.2	40.6

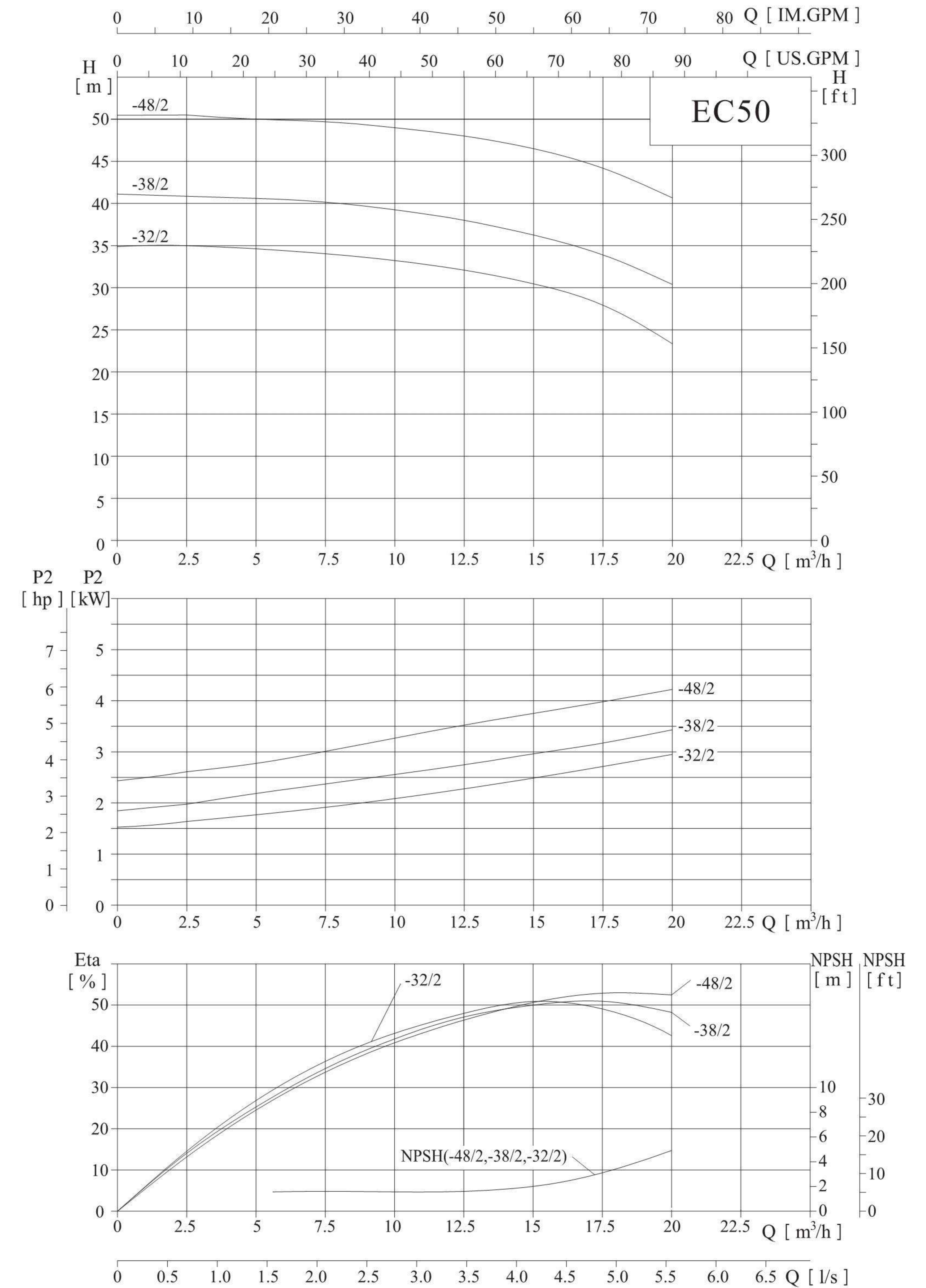
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC50-32/2	160	197	165	128	128	144	105	181	600	400	58
EC50-38/2	160	230	188	128	128	144	105	181	621	400	68
EC50-48/2	200	260	208	128	128	144	105	201	716	400	85

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

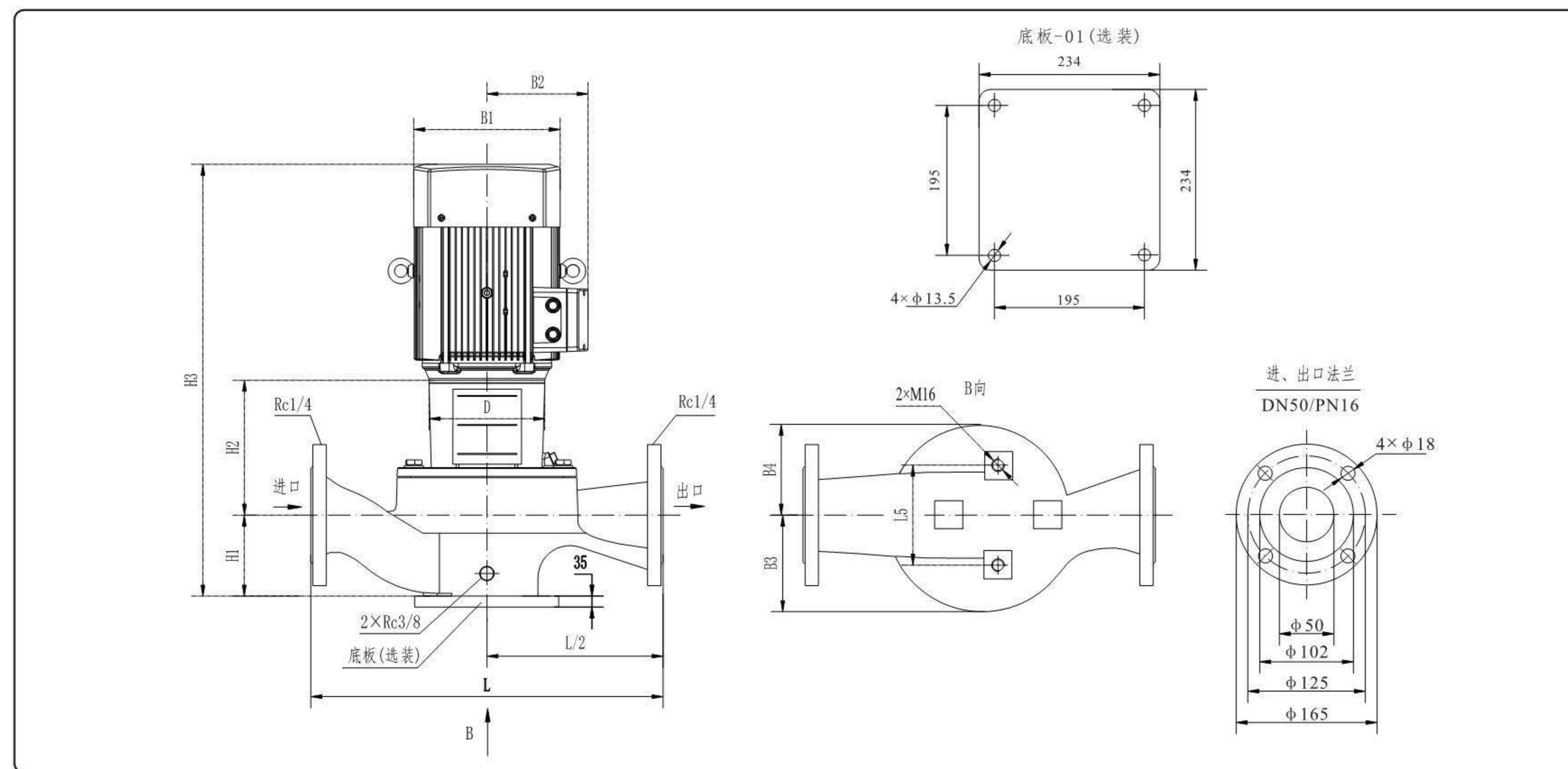
EC50-\*/2 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)													
	(kW)	(HP)		5	10	16	20	25	30	35	40	45	50	60			
EC50-12/2	1.1	1.5		15.1	14.2	12	10										
EC50-15/2	1.5	2.0		18.8	18	16.5	15	12.6									
EC50-18/2	2.2	3.0		22.7	22.3	21	19.8	18	15								
EC50-24/2	3	4.0		26.1	26	25.5	25	24	22.3								
EC50-28/2	4	5.5		31.4	31.3	31	30.5	29.5	28	25.5							
EC50-35/2	5.5	7.5		36.8	36.7	36.5	36.2	35.8	35	33.7	31.5						
EC50-40/2	7.5	10		42.2	42.2	41.9	41.7	41.3	40.8	40	38.3	35					
EC50-50/2	11	15		53.4	53.4	53.1	52.9	52.5	51.9	51.1	50	48.4	45.8				
EC50-60/2	15	20		65.6	65.8	65.7	65.6	65.3	64.7	63.9	62.8	61.6	60	55.3			
EC50-70/2	18.5	25		73.6	73.6	73.4	73.3	73.1	72.9	72.5	72	71.2	70	65.3			
EC50-81/2	22	30		85.4	85.3	85	84.8	84.5	84	83.5	82.8	82.1	81	77			

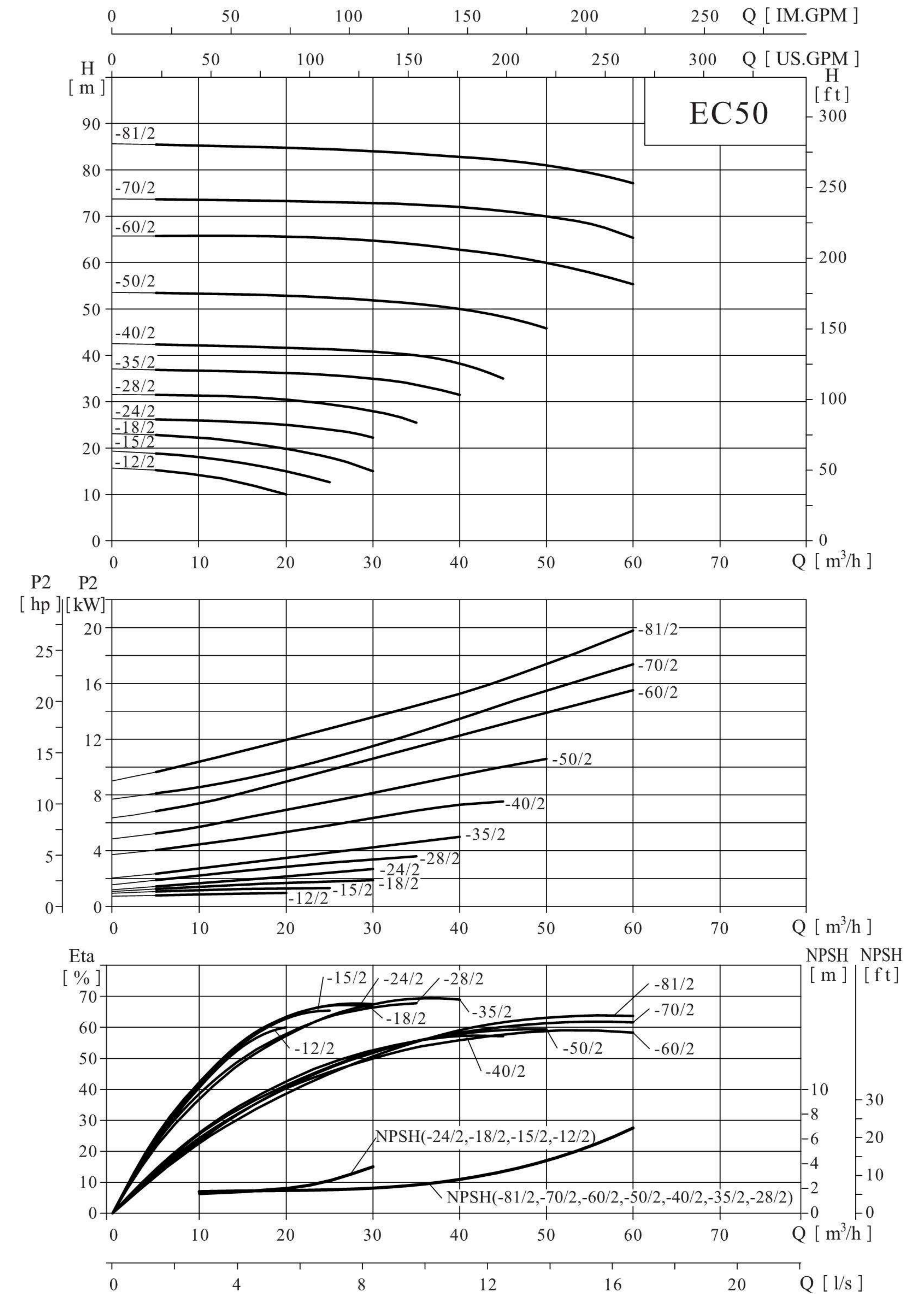
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC50-12/2	120	170	142	116	114	144	105	174	530	340	36
EC50-15/2	140	190	155	116	114	144	105	174	572	340	42
EC50-18/2	140	190	155	116	114	144	105	174	572	340	44
EC50-24/2	160	197	165	116	114	144	105	184	603	340	50
EC50-28/2	160	230	188	128	114	144	100	198	633	340	64
EC50-35/2	200	260	208	128	114	144	100	218	727	340	83
EC50-40/2	200	260	208	170	157	144	115	215	740	440	98
EC50-50/2	350	330	255	170	157	144	115	245	902	440	172
EC50-60/2	350	330	255	170	157	144	115	245	935	440	182
EC50-70/2	350	330	255	170	157	144	115	245	935	440	196
EC50-81/2	350	360	280	170	157	144	115	245	965	440	238

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

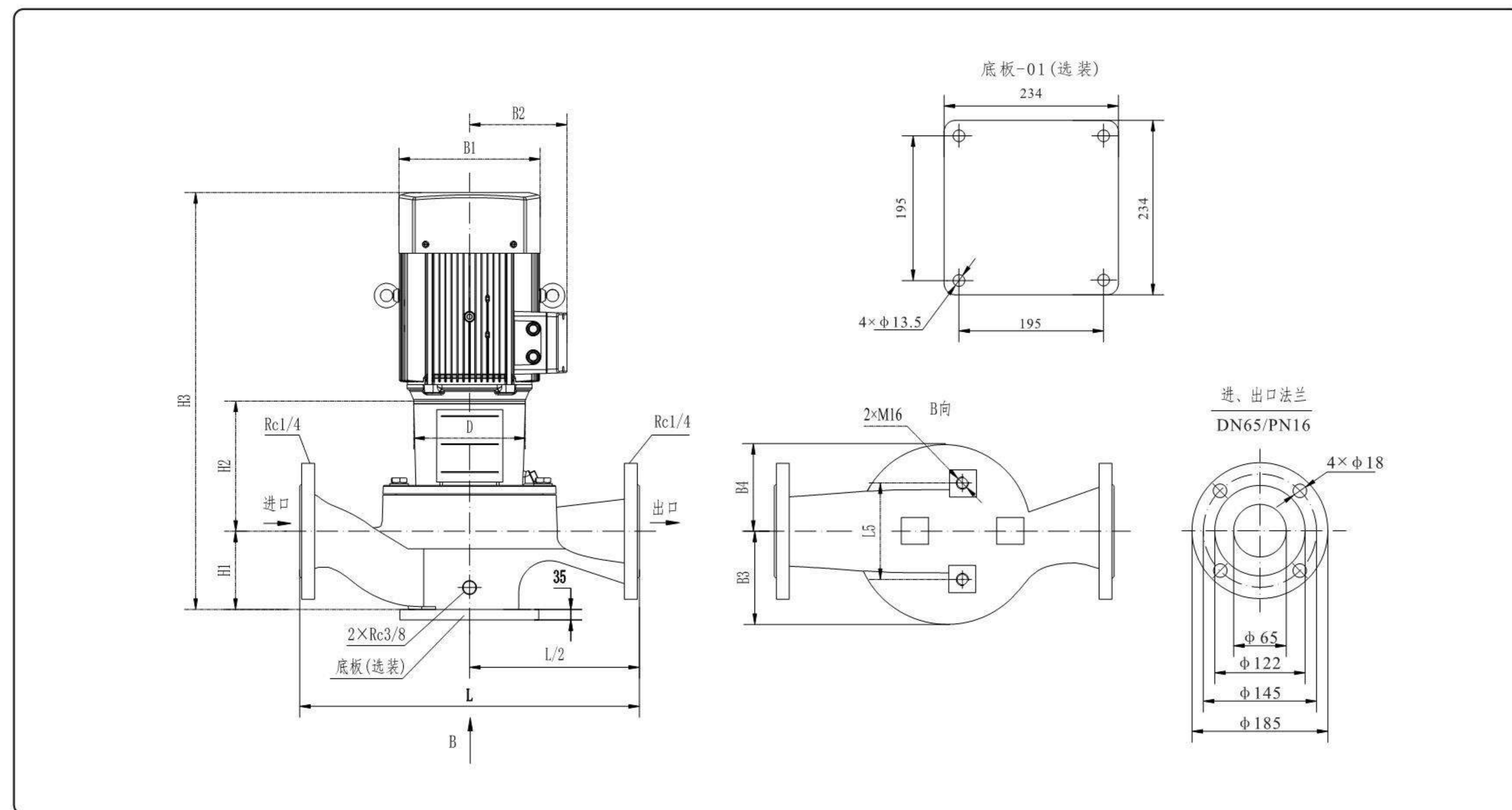
EC50-\*/2 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	5	10	15	20	25	30	35
	(kW)	(HP)								
EC65-36/2	5.5	7.5	H	39.1	39.1	38.9	38.2	36	31.8	24.7
EC65-48/2	7.5	10	(m)	50.3	50.3	50	49.3	48	45.9	42.4

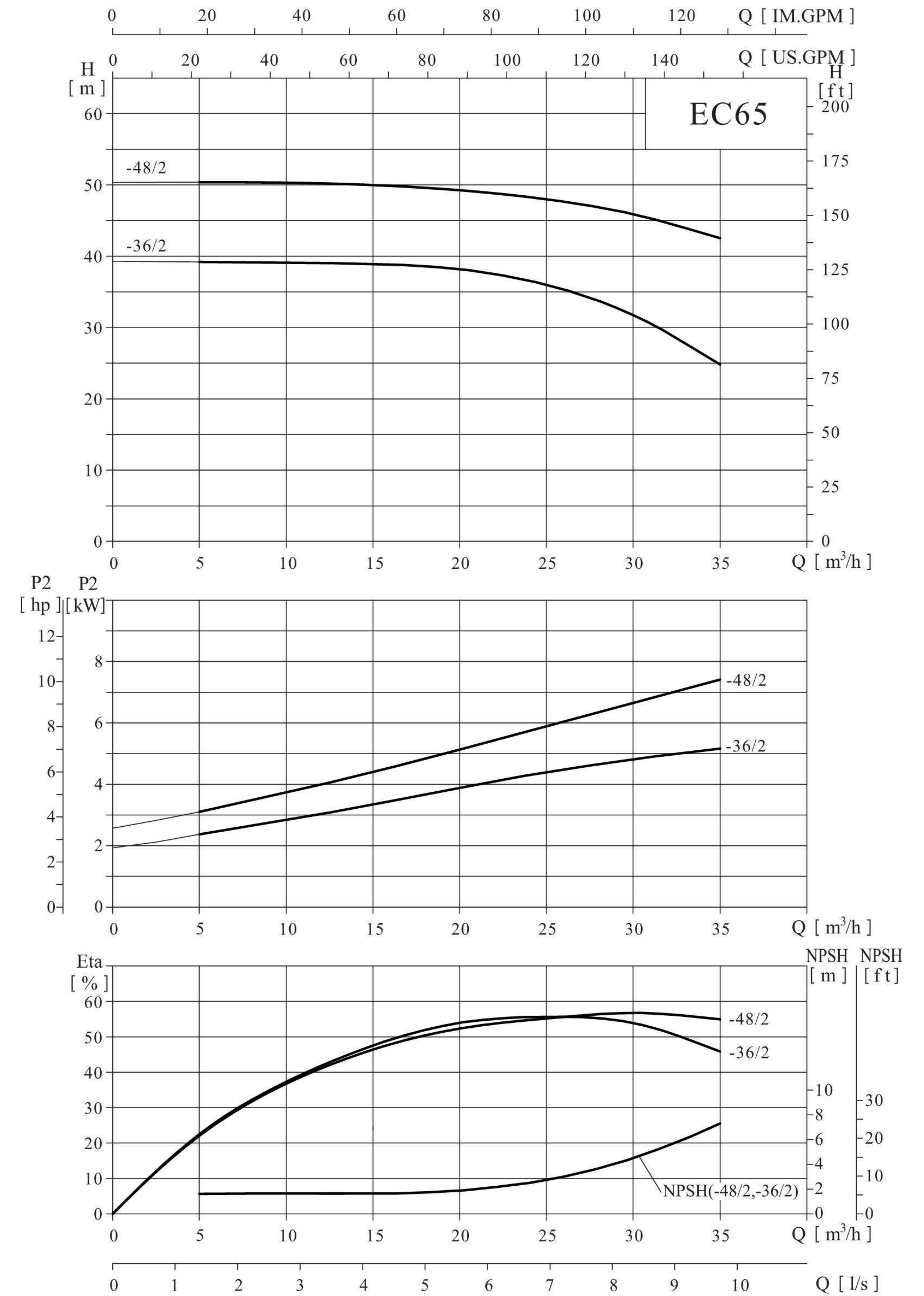
Mounting dimensions and product weight



Pump Model	Size[mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC65-36/2	200	260	208	127	127	144	105	209	724	400	87
EC65-48/2	200	260	208	127	127	144	105	209	724	400	94

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

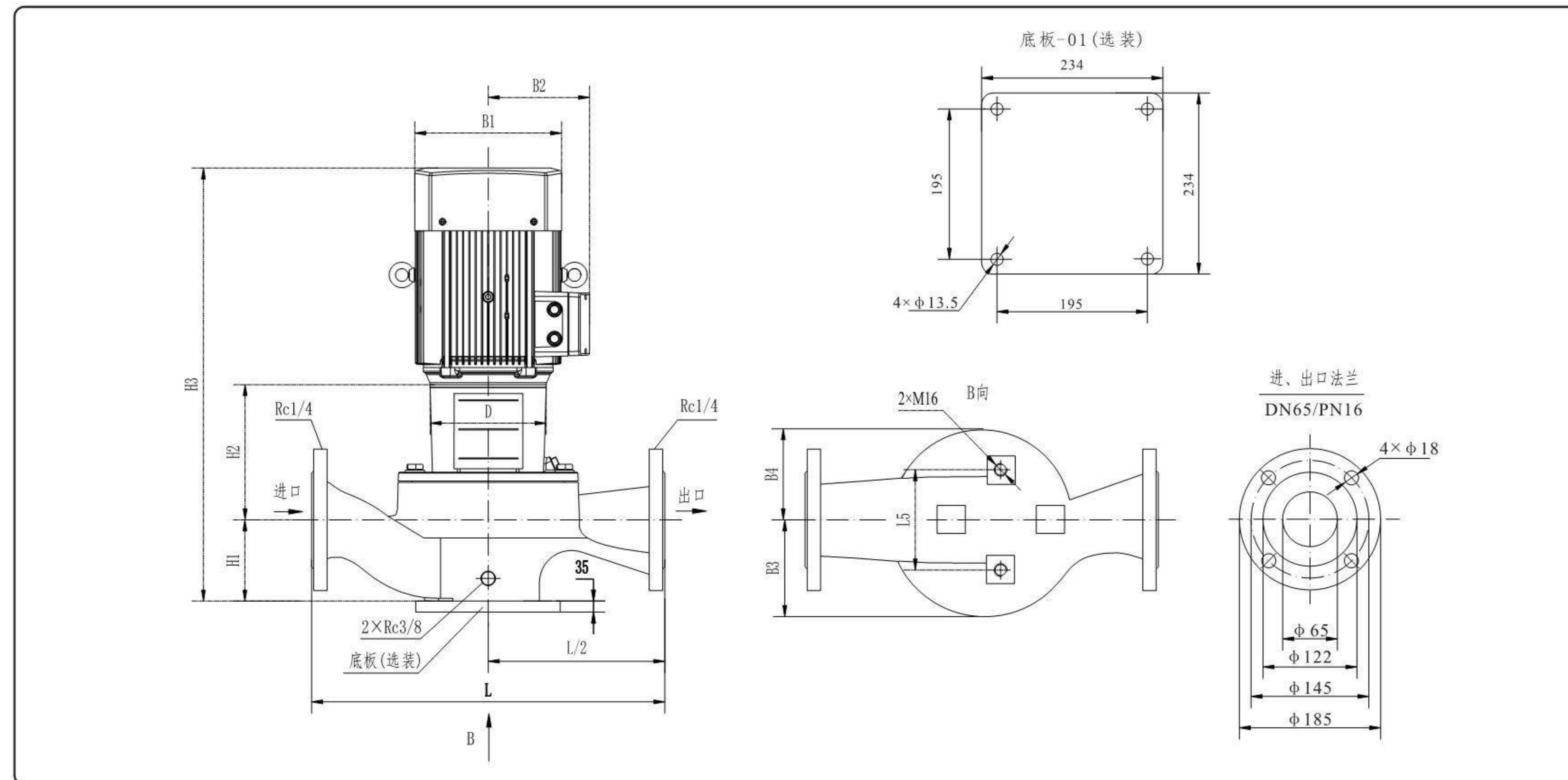
EC65-\*/2 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m³/h)	H (m)													
	(kW)	(HP)		10	20	30	40	50	60	70	80	90					
EC65-15/2	2.2	3.0		17.8	17	15	10.7										
EC65-19/2	3	4.0		21.6	20.8	19	15.2										
EC65-22/2	4	5.5		25	24.7	23.9	22	17.5									
EC65-30/2	5.5	7.5		32.3	32.1	31.5	30	26.1									
EC65-34/2	7.5	10		38.5	38.2	37.6	36.4	34	29.6								
EC65-40/2	11	15		43.3	42.9	42.3	41.4	40	37.6								
EC65-50/2	15	20		53.5	53.3	52.7	51.6	50	47.3								
EC65-61/2	18.5	25		63	63.2	63	62.3	61	58.8	54.8							
EC65-67/2	22	30		67.9	67.8	67.7	67.5	67	65.8	63.4	59.7						
EC65-83/2	30	40		85.3	85.1	84.6	83.9	83	81.7	80	77.8	74.1					

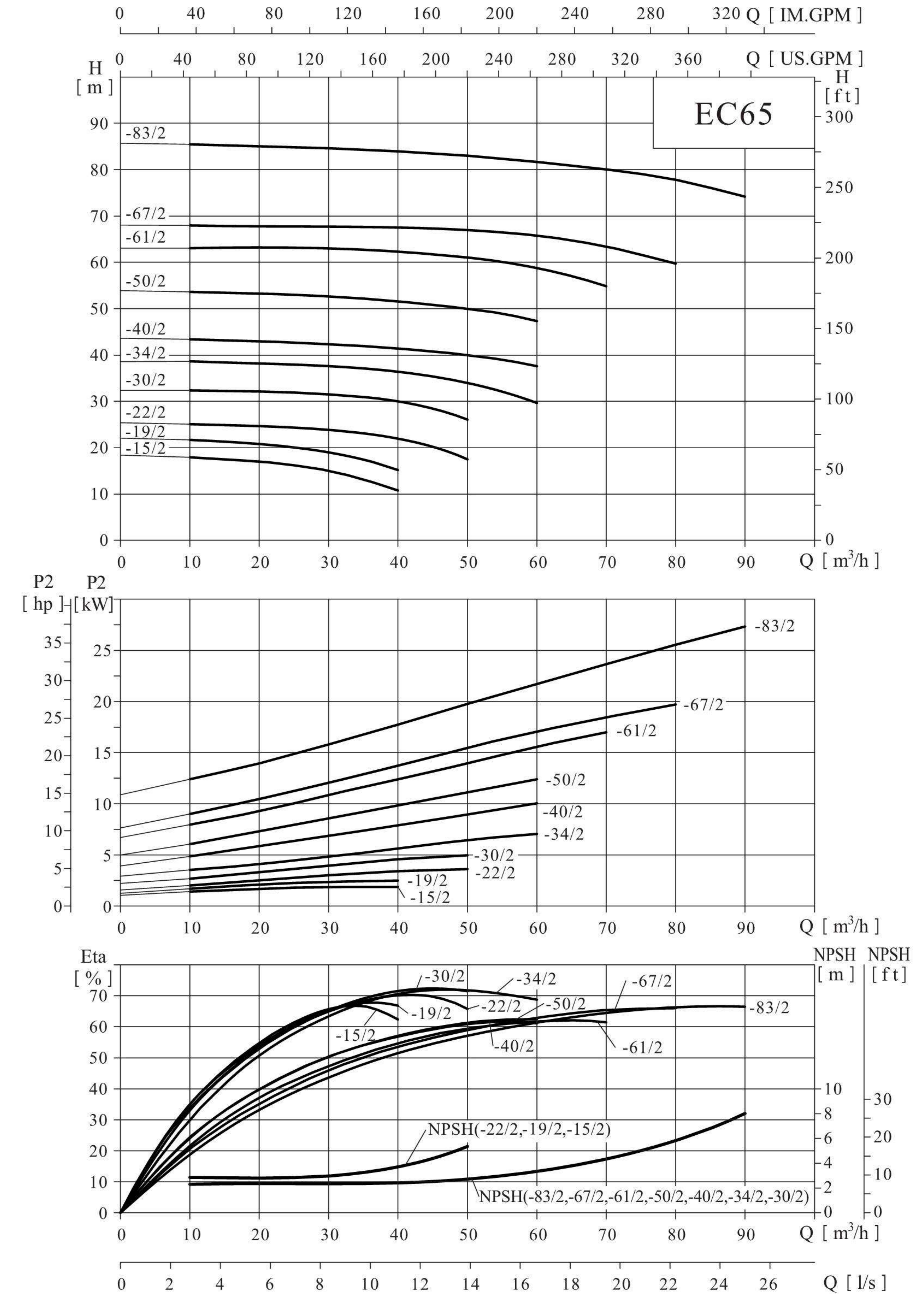
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC65-15/2	140	190	155	141	123	144	105	193	591	360	48
EC65-19/2	160	197	165	141	123	144	105	203	622	360	57
EC65-22/2	160	230	188	141	123	144	105	203	643	360	65
EC65-30/2	200	260	208	141	123	144	105	223	738	360	84
EC65-34/2	200	260	208	141	123	144	105	223	738	360	91
EC65-40/2	350	330	255	177	165	144	125	257	924	475	178
EC65-50/2	350	330	255	177	165	144	125	257	957	475	190
EC65-61/2	350	330	255	177	165	144	125	257	957	475	202
EC65-67/2	350	330	280	177	165	144	125	257	987	475	242
EC65-83/2	400	400	305	177	165	144	125	257	1047	475	298

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

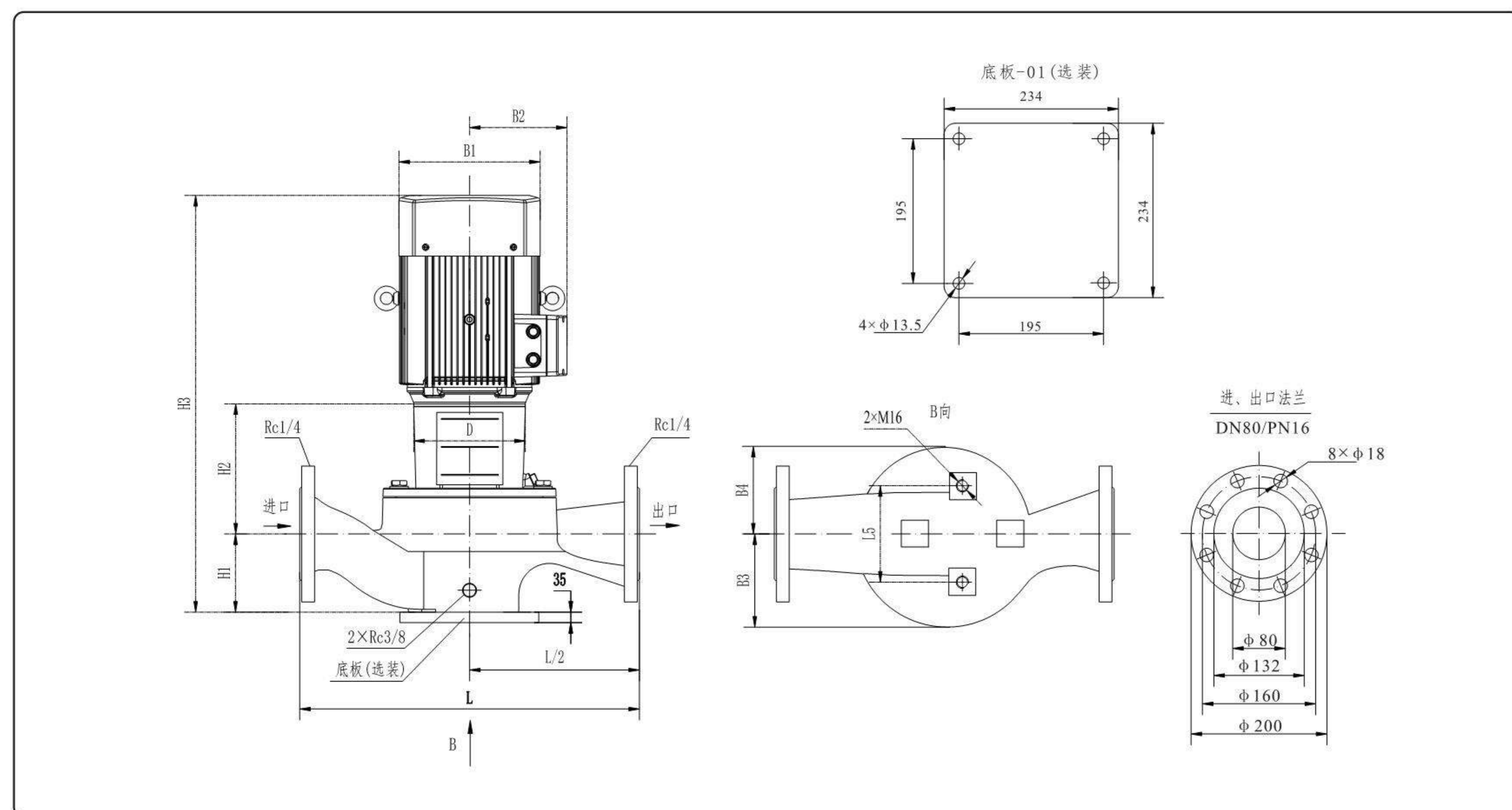
EC65-\*/2 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	10	20	30	40	50	60	65
	(kW)	(HP)								
EC80-40/2	11	15	H	42.7	42.8	42.7	41.8	40	36.5	
EC80-48/2	15	20	(m)	50.3	50.4	50.2	49.5	48	45	42.5

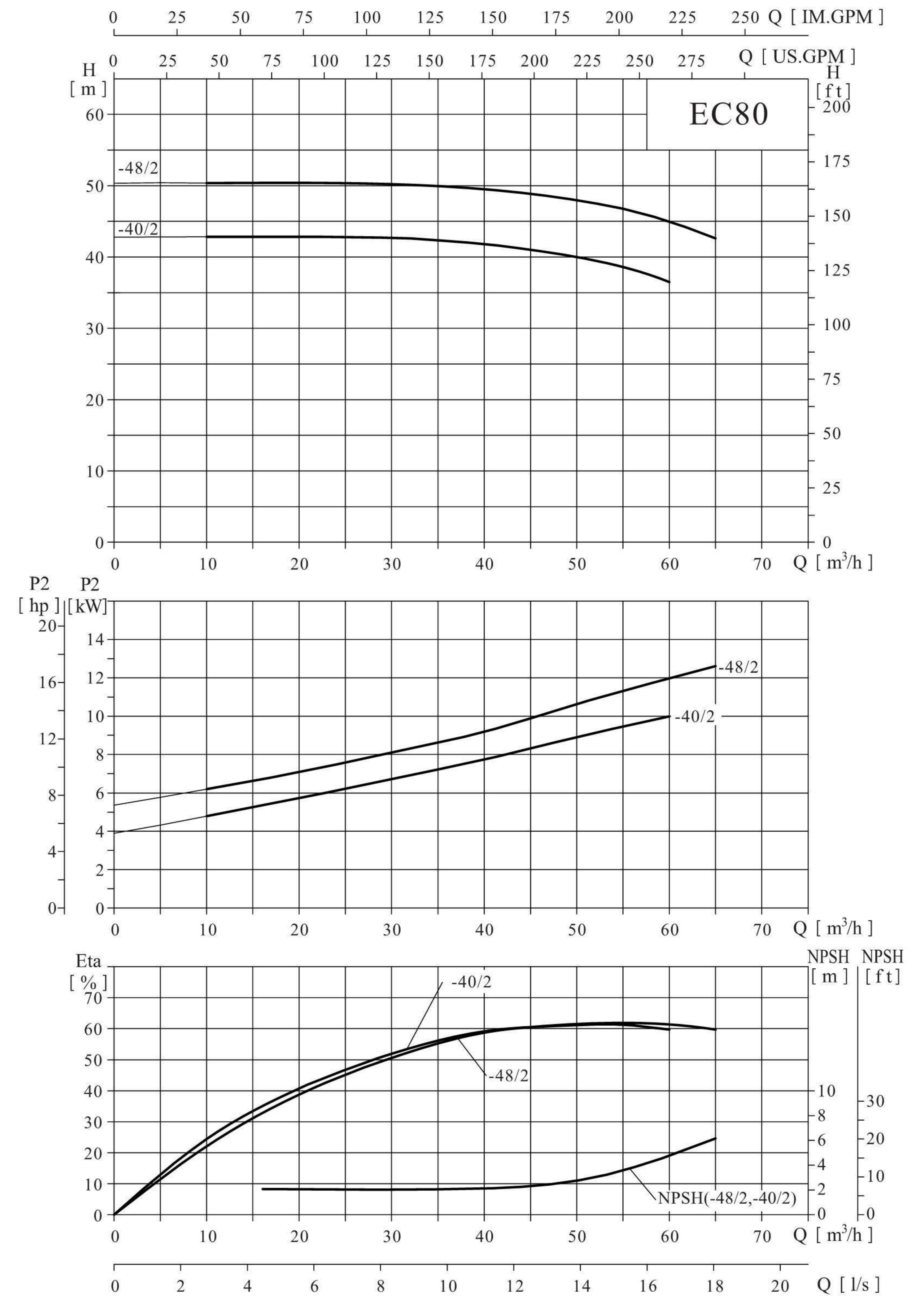
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC80-40/2	350	330	255	136	127	144	115	235	892	500	172
EC80-48/2	350	330	255	136	127	144	115	235	925	500	183

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

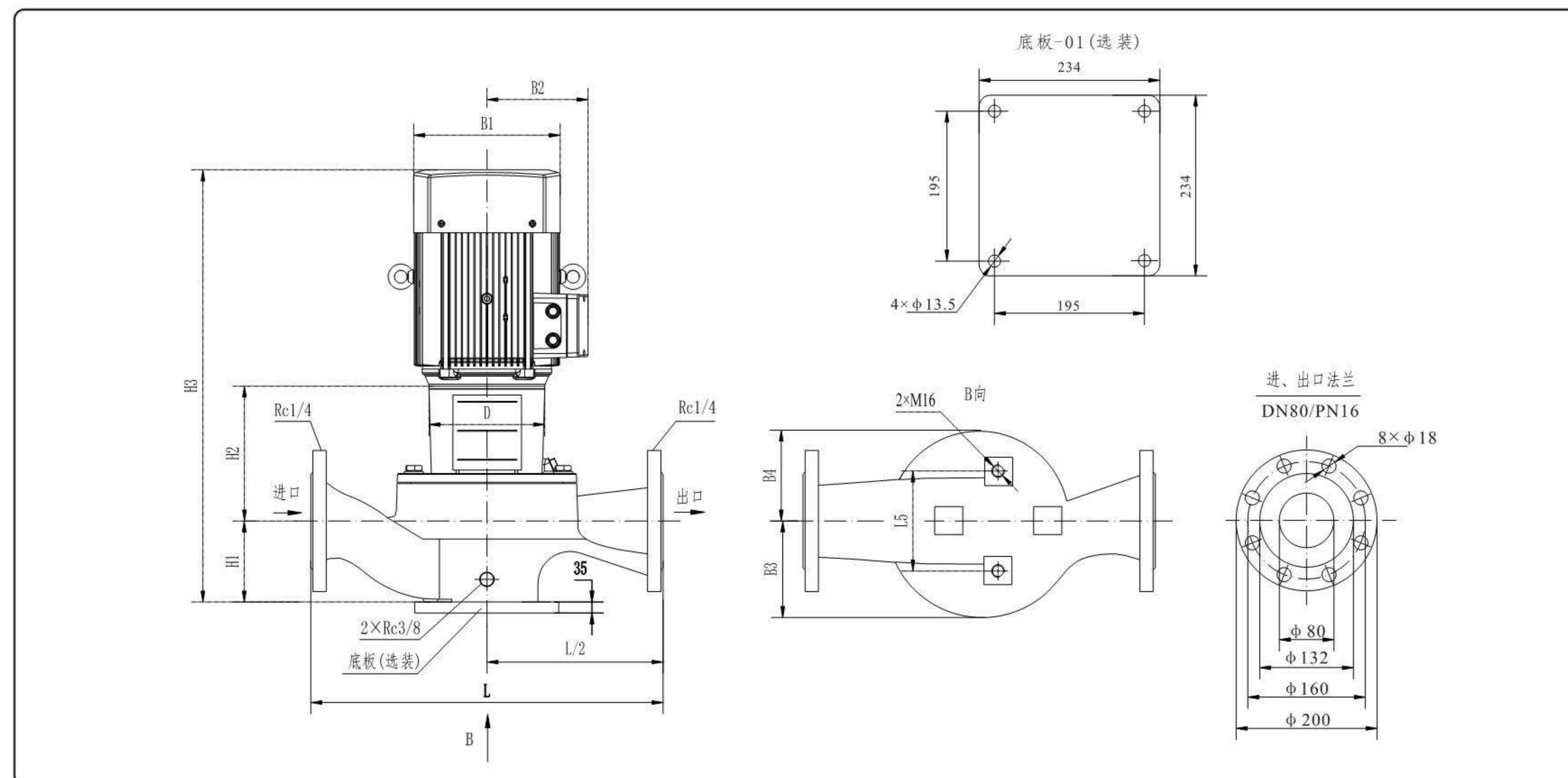
EC80-\*/2 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)													
	(kW)	(HP)		10	20	30	40	50	60	70	80	90	100				
EC80-13/2	3	4.0	10	16	15.8	15.2	14.3	13	10.9								
EC80-18/2	4	5.5	20	21	20.8	20.2	19.2	18	16.2	13.2							
EC80-22/2	5.5	7.5	30	24.3	24.1	23.7	23	22	20.5	18	14.3						
EC80-28/2	7.5	10	40	30.5	30.4	30	29.3	28	26.3	24	20.6						
EC80-30/2	11	15	50	34.7	34.5	34.2	33.8	33.2	32.4	31.3	30	27.8	24.6				
EC80-38/2	15	20	60	41.1	41.2	41.1	40.9	40.6	40.1	39.3	38	36	32.8				
EC80-47/2	18.5	25	70	50.5	50.4	50	49.8	49.6	49.1	48.3	47	44.8	41.3				
EC80-54/2	22	30	80	56.9	57	56.8	56.6	56.3	56	55.3	54	52.2	49.1				
EC80-67/2	30	40	90	69.1	69	68.8	68.7	68.6	68.3	67.8	67	65.9	63.8				

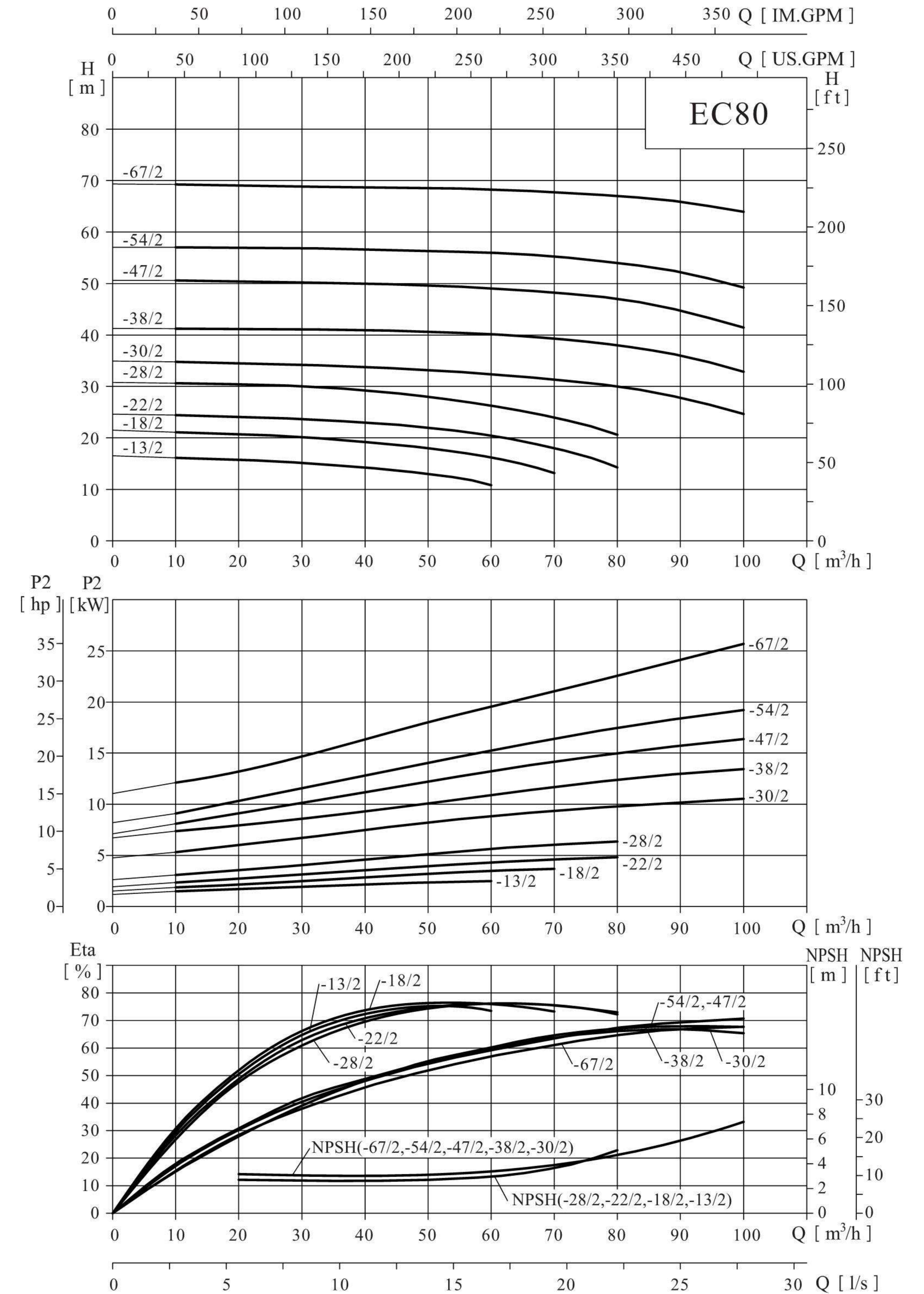
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	
EC80-13/2	160	197	165	141	123	160	97	243	654	450	64
EC80-18/2	160	230	188	141	123	160	97	243	675	450	72
EC80-22/2	200	260	208	141	123	160	97	263	770	450	90
EC80-28/2	200	260	208	141	123	160	97	263	770	450	100
EC80-30/2	350	330	255	180	161	144	115	274	931	500	184
EC80-38/2	350	330	255	180	161	144	115	274	964	500	192
EC80-47/2	350	330	255	180	161	144	115	274	964	500	208
EC80-54/2	350	330	280	180	161	144	115	274	994	500	244
EC80-67/2	400	400	305	180	161	144	115	274	1054	500	302

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

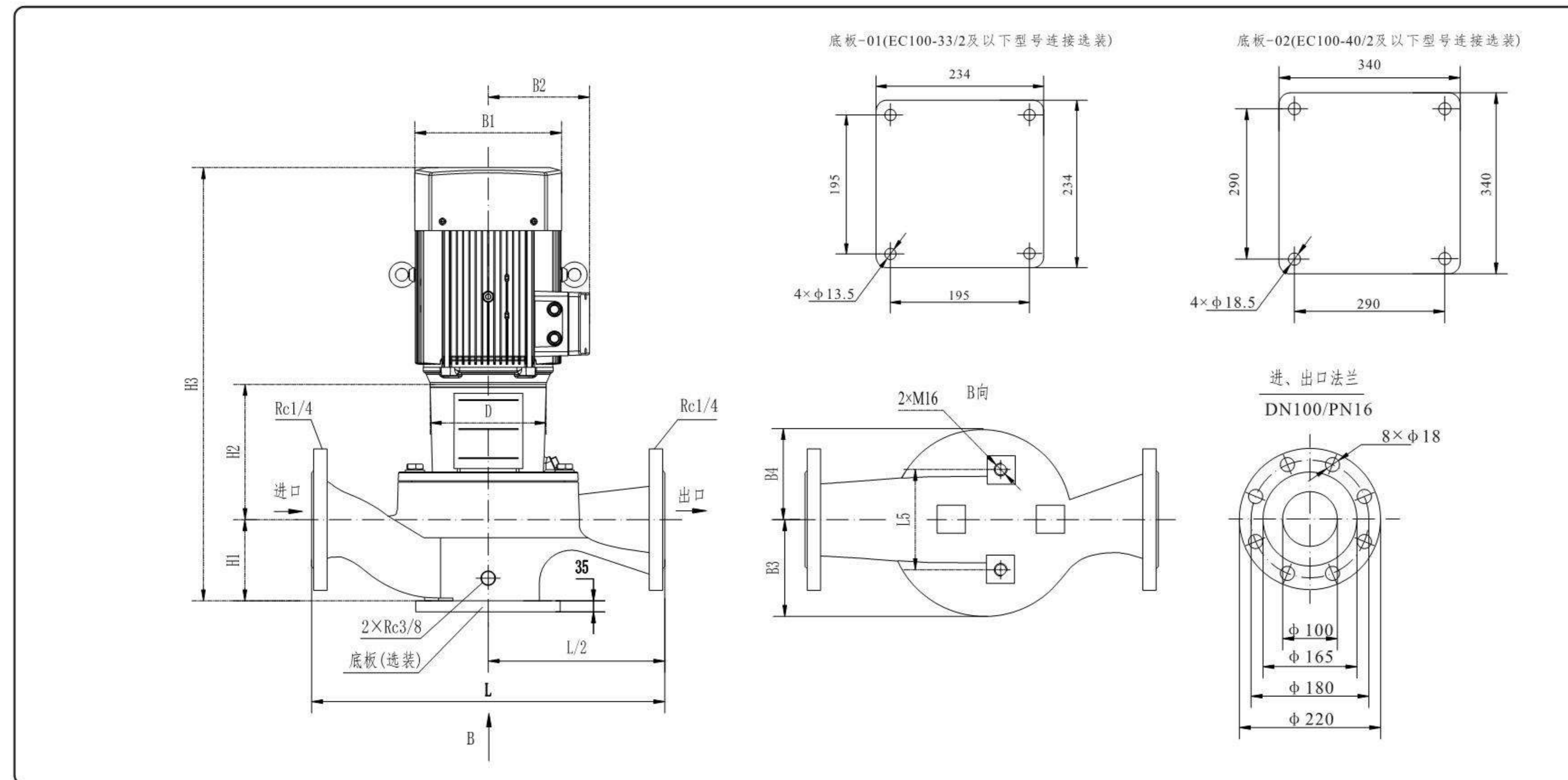
EC80-\*/2 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)															
	(kW)	(HP)		10	20	30	40	50	60	70	80	90	100	110	120	130	145	160	
EC100-9/2	2.2	3.0		13.8	13.2	12.2	10.8	9	6.8	4.4									
EC100-15/2	4	5.5		18.5	18.2	17.7	17.1	16.2	15	13.4	11								
EC100-17/2	5.5	7.5		21.6	21.5	21.1	20.7	20	19.2	18.3	17	15.3	13	10.4					
EC100-22/2	7.5	10		26.7	26.6	26.3	25.9	25.3	24.5	23.4	22	20.3	18.2	15.8					
EC100-27/2	11	15		31.4	31.3	31.1	30.9	30.7	30.3	29.8	29.2	28.2	27	25.5	23.6	20.8			
EC100-33/2	15	20		37	37	36.8	36.6	36.2	35.8	35.3	34.7	33.9	33	31.7	30.1	27.9			
EC100-40/2	18.5	25		43.2	43.2	43.1	42.9	42.7	42.4	42.1	41.6	40.9	40	38.9	37.4	35.3			
EC100-48/2	22	30		51.1	51.1	51	50.8	50.6	50.3	49.9	49.4	48.8	48	46.9	45.3	43.2			
EC100-52/2	30	40		55.2	55.3	55.3	55.3	55.2	55.1	54.8	54.6	54.4	54.2	53.8	53.1	52	49	43.4	

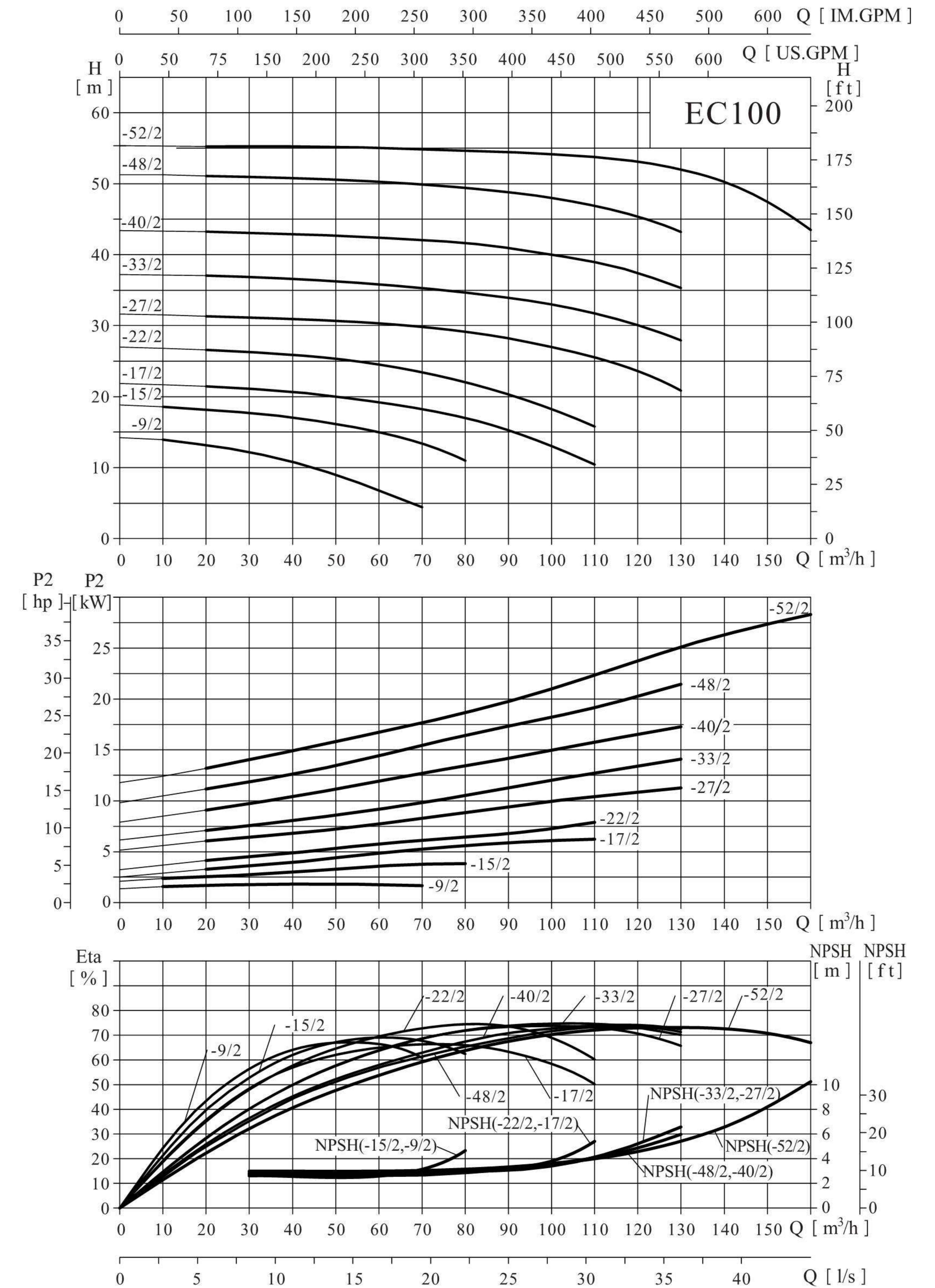
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC100-9/2	140	175	155	132	99	160	105	211	609	450	54
EC100-15/2	160	215	190	132	99	160	105	212	652	450	70
EC100-17/2	200	260	205	148	115	144	140	237	787	500	98
EC100-22/2	200	260	205	148	115	144	140	237	787	500	106
EC100-27/2	350	350	255	145	121	144	140	252	934	550	184
EC100-33/2	350	350	255	145	121	144	140	252	967	550	194
EC100-40/2	350	350	255	179	150	230	140	266	981	550	216
EC100-48/2	350	350	280	179	150	230	140	266	1011	550	258
EC100-52/2	400	400	305	179	150	230	140	266	1071	550	312

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

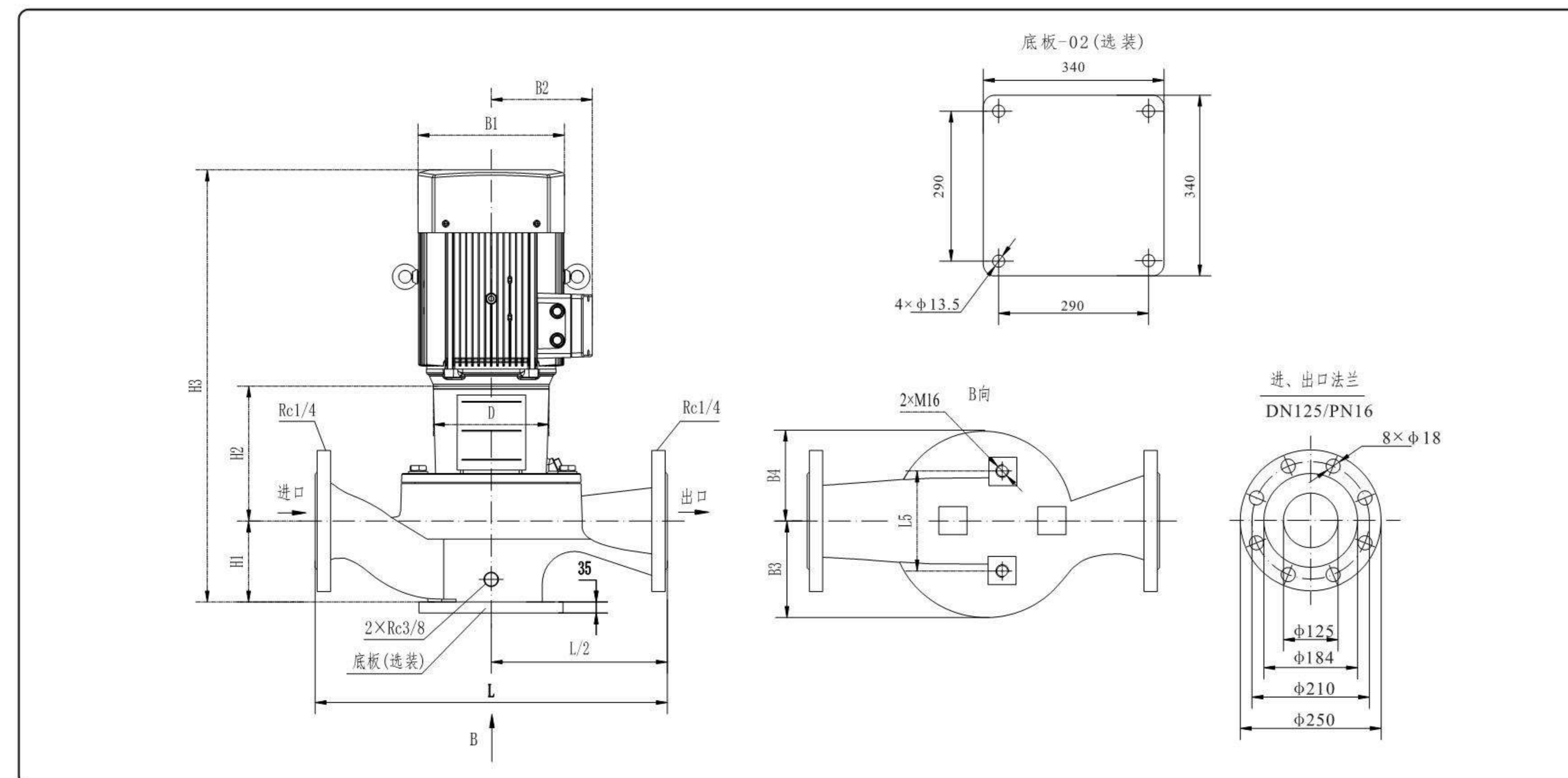
EC100-\*/2 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)												
	(kW)	(HP)		40	60	80	100	120	140	160	180	200				
EC125-11/4	5.5	7.5		12.8	12.7	12.4	11.8	11	9.9	8						
EC125-14/4	7.5	10		16.1	15.9	15.5	14.9	14	12.8	11.2						
EC125-18/4	11	15		21.4	21.3	21	20.6	19.9	19.1	18	16.4	14				
EC125-22/4	15	20		26.6	26.5	26.2	25.7	24.9	23.7	22	19.8	16.6				
EC125-28/4	18.5	25		30.8	30.8	30.7	30.5	30.1	29.3	28	25.8	22.1				
EC125-32/4	22	30		34.5	34.6	34.5	34.4	34	33.3	32	30.2	27.2				
EC125-40/4	30	40		43.8	43.6	43.3	42.9	42.2	41.3	40	38	35.3				
EC125-48/4	37	50		51.4	51.3	51	50.5	49.9	49.1	48	46.4	44.1				

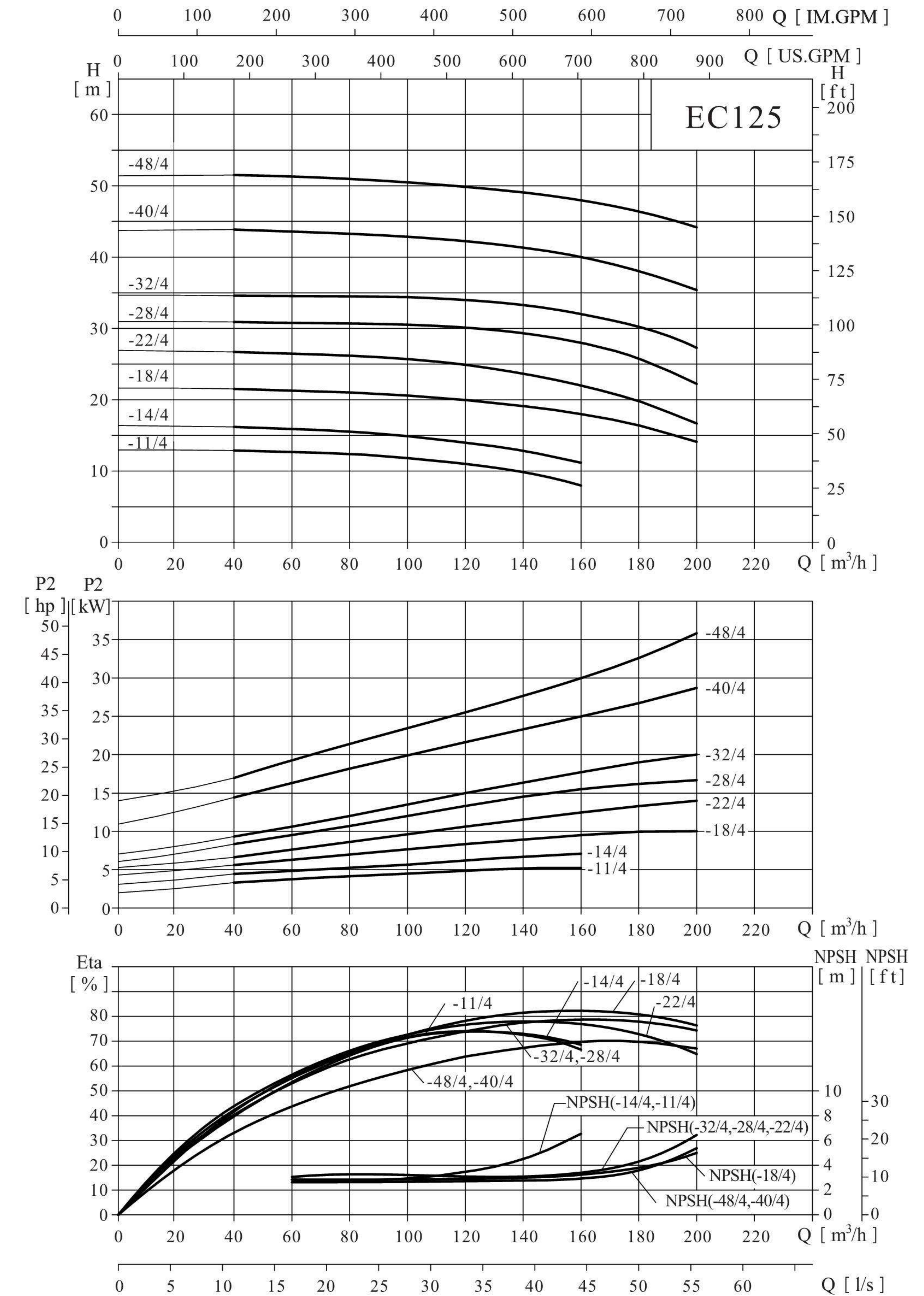
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC125-11/4	200	260	208	215	175	230	215	256	887	620	142
EC125-14/4	200	260	208	215	175	230	215	256	887	620	152
EC125-18/4	350	330	255	210	176	230	215	297	1054	800	258
EC125-22/4	350	330	255	235	207	230	215	297	1087	800	310
EC125-28/4	350	330	280	235	207	230	215	316	1106	800	350
EC125-32/4	350	330	280	235	207	230	215	316	1136	800	376
EC125-40/4	400	400	305	271	247	230	215	323	1238	800	462
EC125-48/4	450	450	335	271	247	230	215	323	1243	800	518

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

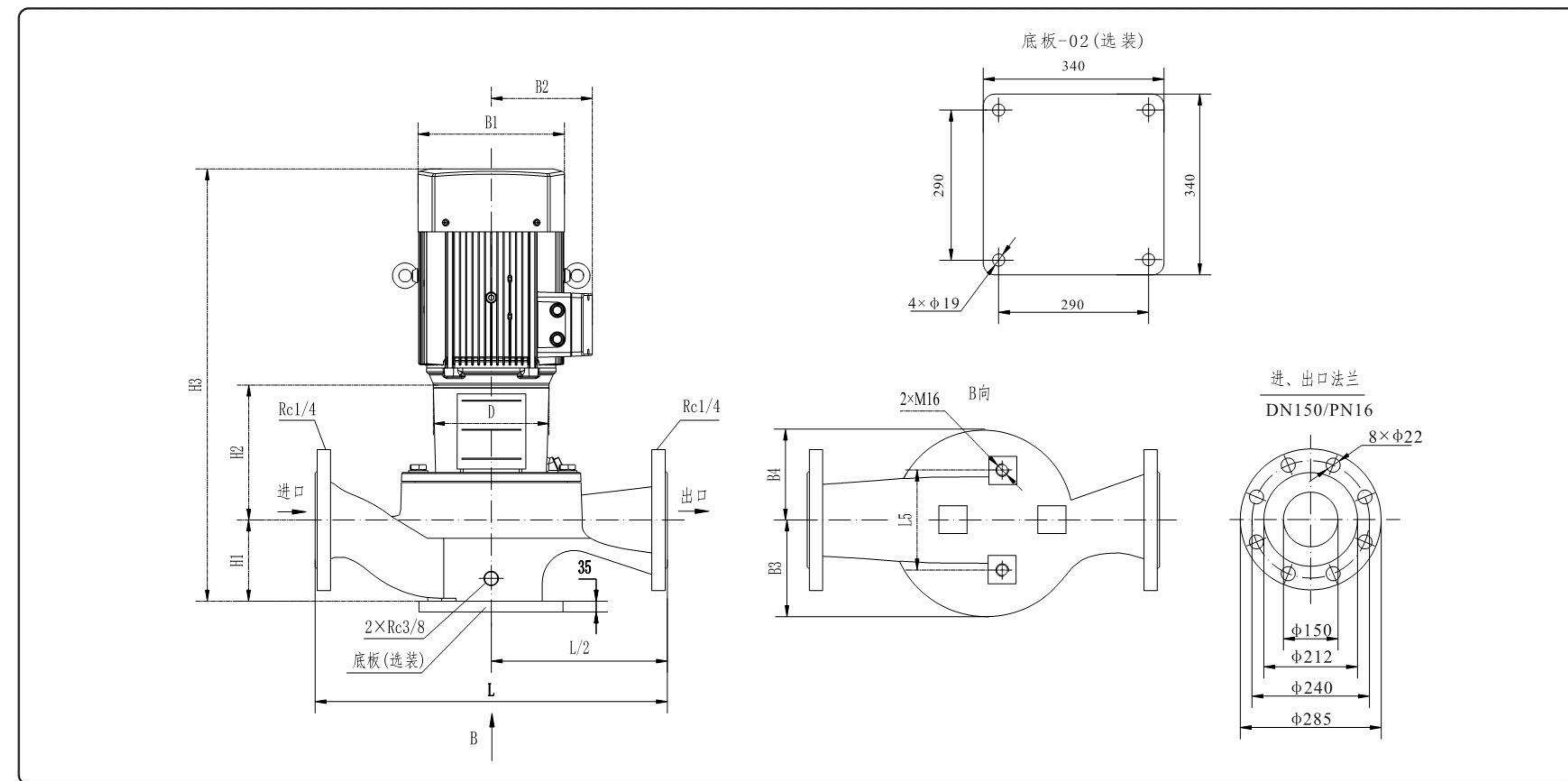
EC125-\*/4 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)						
	(kW)	(HP)		50	80	110	140	170	200	220
EC150-13/4	11	15	15	15	14.9	14.7	14.2	13	11.6	9.8
EC150-18.5/4	15	20	20.4	20.3	20.2	20	19.5	18.5	17.6	16.6
EC150-21/4	18.5	25	23.3	23.1	22.9	22.6	22	21	19.8	17.9
EC150-26/4	22	30	29.1	29	28.8	28.3	27.5	26	24.5	22.4
EC150-33/4	30	40	35.5	35.4	35.2	34.8	34.2	33	31.5	29.6
EC150-43/4	37	50	46.2	46.1	45.9	45.5	44.6	43	41.4	39.3
EC150-50/4	45	60	52.4	52.2	52	51.7	51.1	50	48.7	46.7

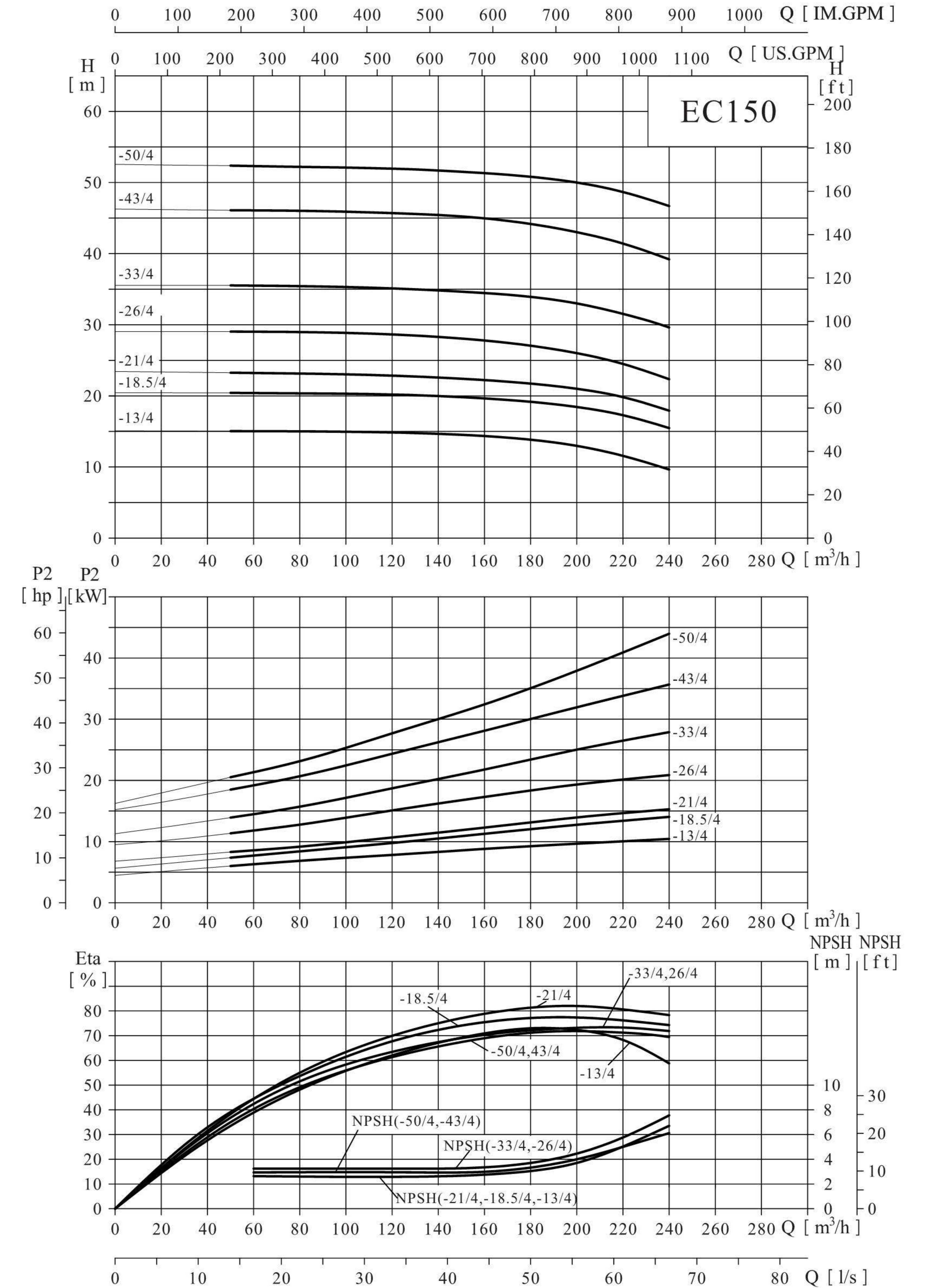
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC150-13/4	350	315	250	217	180	230	215	293	1050	800	260
EC150-18.5/4	350	315	250	217	180	230	215	293	1083	800	277
EC150-21/4	350	360	275	217	180	230	215	293	1083	800	314
EC150-26/4	350	360	275	238	208	230	215	293	1113	800	372
EC150-33/4	400	400	305	238	208	230	215	293	1208	800	430
EC150-43/4	450	450	325	267	248	230	230	323	1258	900	533
EC150-50/4	450	450	325	267	248	230	230	323	1283	900	556

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

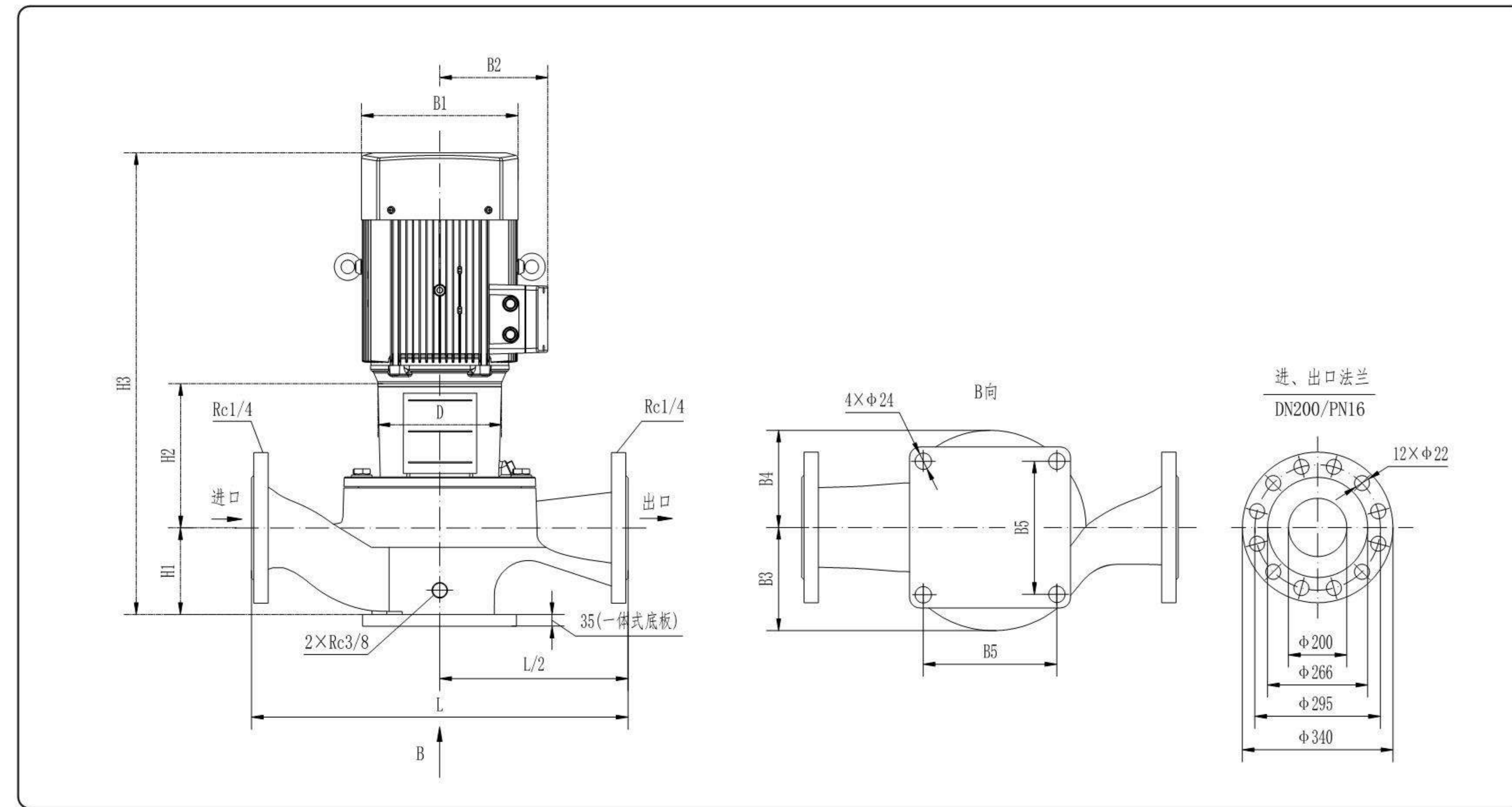
EC150-\*/4 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)									
	(kW)	(HP)		90	120	150	180	210	240	270	300	330	360
EC200-15/4	18.5	25		17.9	17.7	17.5	17.2	16.8	16.4	15.8	15	14.1	12.8
EC200-18/4	22	30		20.9	20.7	20.5	20.2	19.8	19.4	18.8	18	17.1	15.7
EC200-24/4	30	40		26	26	25.8	25.7	25.4	25.1	24.6	24	23.1	21.8
EC200-30/4	37	50		33.3	33.2	33	32.6	32.2	31.6	30.9	30	29	27.6
EC200-35/4	45	60		38.2	38.3	38.1	37.8	37.3	36.7	35.9	35	33.8	32.1
EC200-44/4	55	75		46.2	46.1	45.9	45.6	45.4	45	44.6	44	43.1	41.8
EC200-53/4	75	100		55.6	55.7	55.7	55.5	55.3	54.8	54	53	51.6	49.9

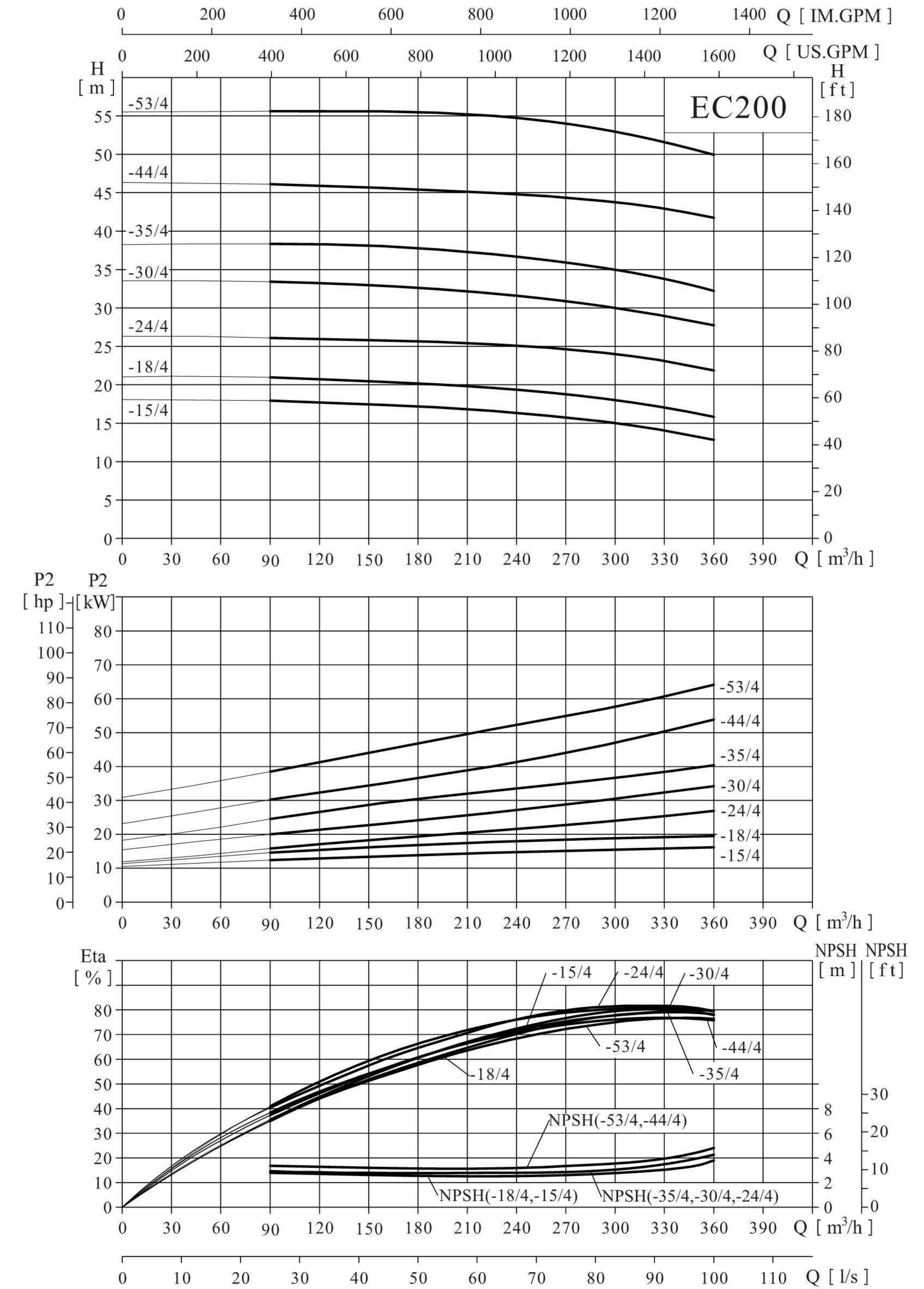
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC200-15/4	350	360	280	277	218	360	270	343	1188	1000	420
EC200-18/4	350	360	280	277	218	360	270	343	1218	1000	440
EC200-24/4	400	400	305	302	251	360	270	343	1313	1100	538
EC200-30/4	450	450	335	302	251	360	270	373	1348	1100	590
EC200-35/4	450	450	335	302	251	360	270	373	1373	1100	630
EC200-44/4	550	490	370	314	268	360	270	388	1423	1100	768
EC200-53/4	550	550	410	314	268	360	270	388	1486	1100	902

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

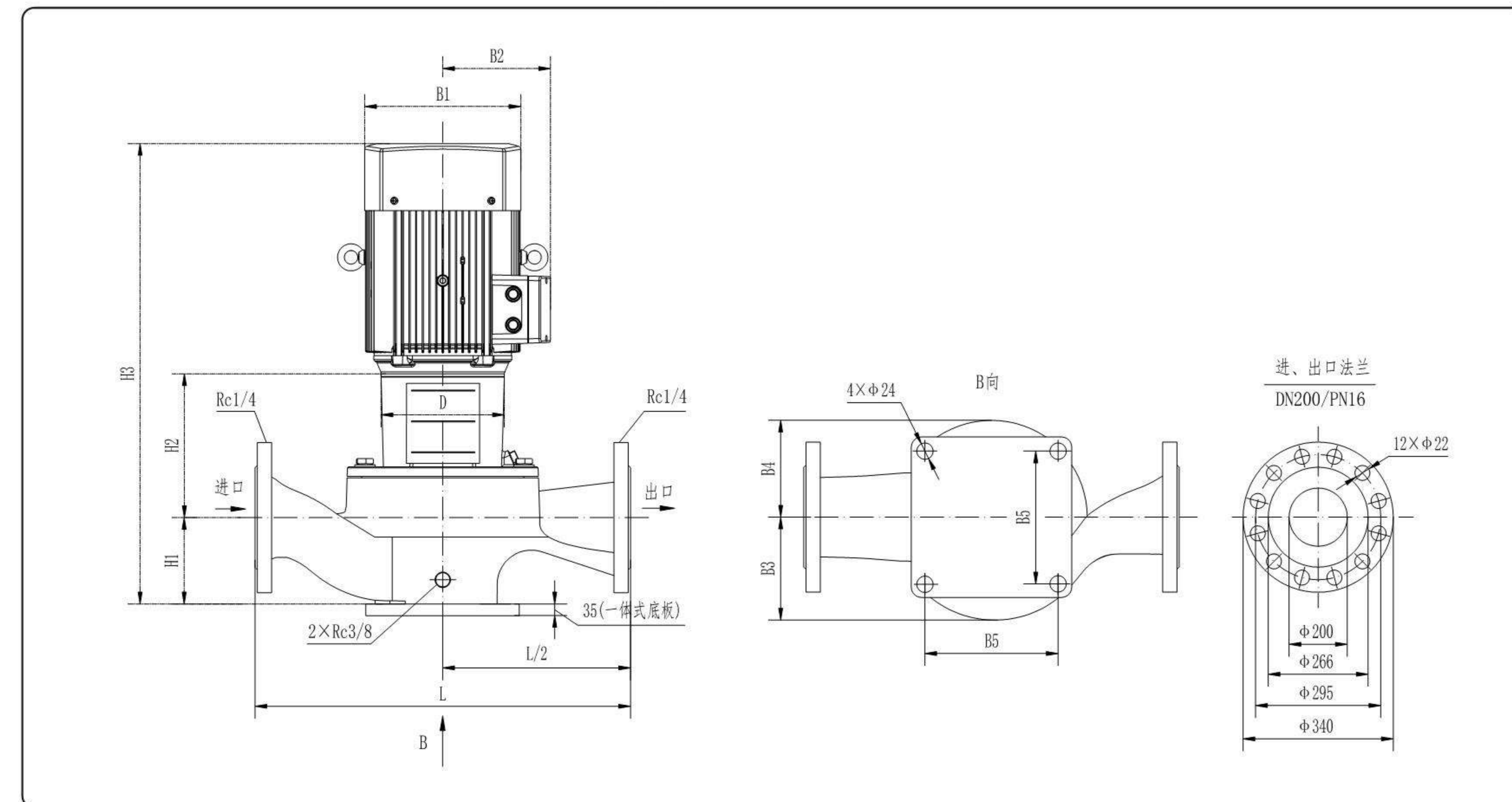
EC200-\*/4 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)								
	(kW)	(HP)		160	200	240	280	320	360	400	440	480
EC200-12.5/4	22	30		17.2	16.9	16.5	15.9	15.1	14	12.5	10.7	8
EC200-20/4	30	40		24.6	24.4	24	23.6	22.8	21.7	20	17.5	14.2
EC200-23/4	37	50		28.1	27.8	27.4	26.8	25.9	24.8	23	20.9	18.2
EC200-29/4	45	60		34.1	33.8	33.2	32.5	31.6	30.4	29	27	24.2
EC200-32/4	55	75		37.5	37.1	36.5	35.7	34.7	33.3	32	29.9	27.7
EC200-38/4	55	75		42.1	42.1	41.9	41.5	40.8	39.9	38	36.7	34.3
EC200-47/4	75	100		51.3	51.2	51	50.7	50.1	49.1	47	45.1	42.1
EC200-50/4	90	120		52.9	52.8	52.6	52.2	51.7	51	50	48.3	45.5

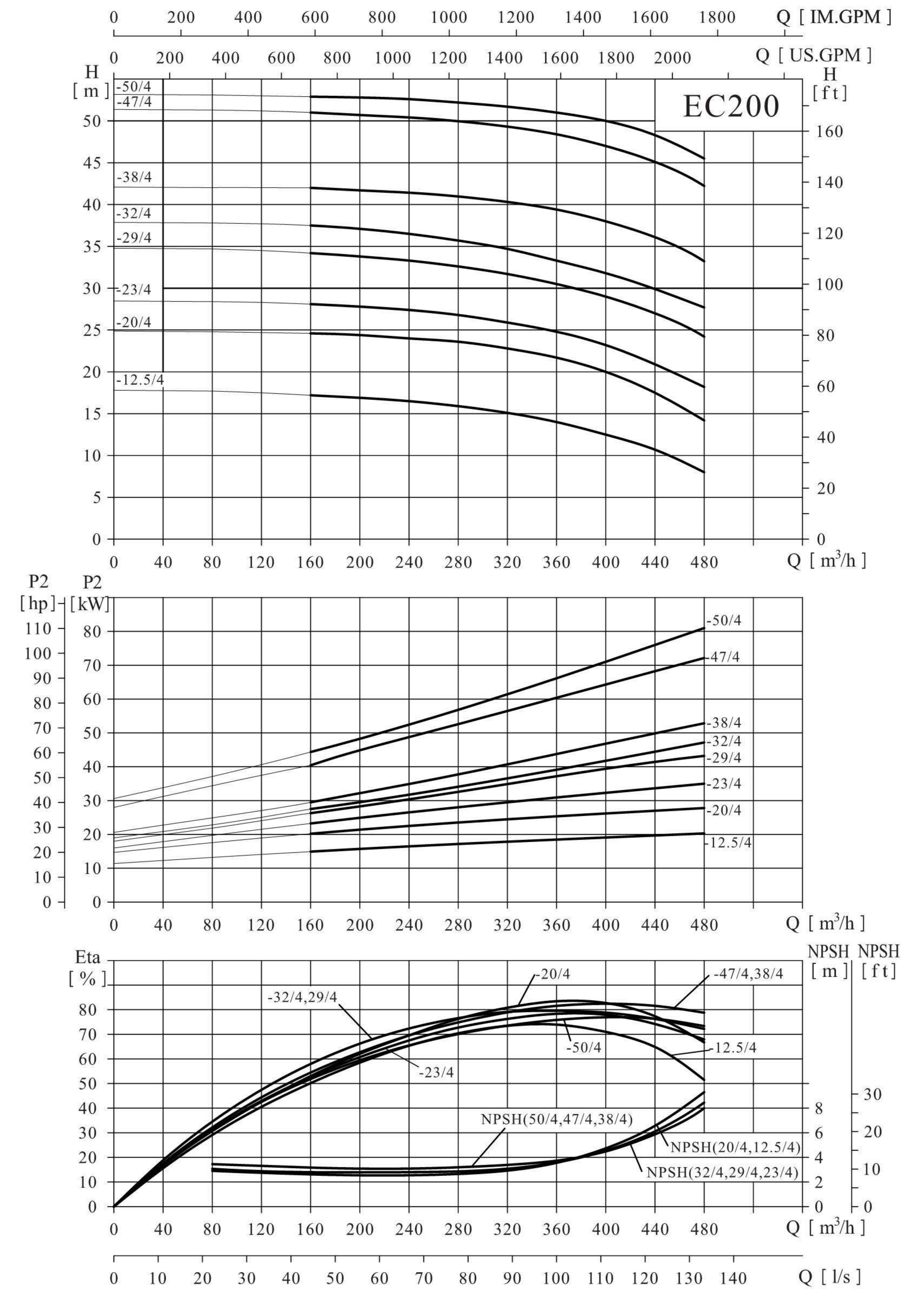
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC200-12.5/4	350	360	280	278	219	360	270	415	1285	1000	432
EC200-20/4	400	400	305	278	219	360	270	415	1335	1000	492
EC200-23/4	450	450	335	303	252	360	270	445	1395	1100	602
EC200-29/4	450	450	335	303	252	360	270	445	1420	1100	638
EC200-32/4	550	490	365	303	252	360	270	445	1505	1100	710
EC200-38/4	550	490	365	315	269	360	270	457	1522	1100	735
EC200-47/4	550	550	400	315	269	360	270	457	1587	1100	883
EC200-50/4	550	550	400	315	269	360	270	457	1637	1100	975

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

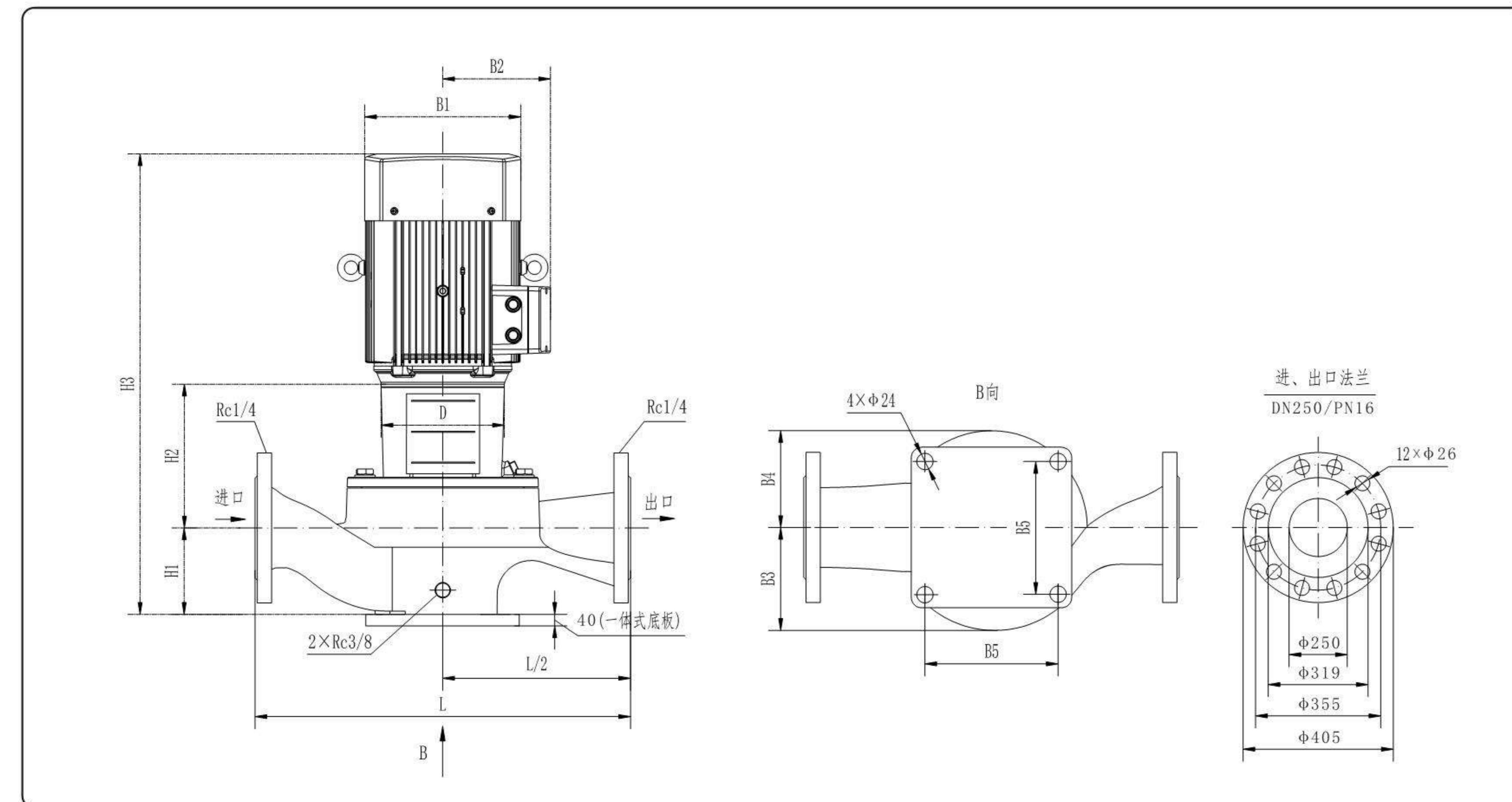
EC200-\*/4 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)											
	(kW)	(HP)		150	200	250	300	350	400	450	500	550	600		
EC250-15/4	30	40	150	18.7	18.4	18	17.6	17.1	16.4	15.8	15	14.1	12.6		
EC250-18/4	37	50	200	21.1	20.9	20.5	20.1	19.7	19.2	18.7	18	17.1	15.8		
EC250-21/4	45	60	250	24	23.8	23.5	23.1	22.8	22.3	21.8	21	20	18.7		
EC250-27/4	55	75	300	30.2	30	29.6	29.2	28.8	28.3	27.7	27	26.1	24.8		
EC250-36/4	75	100	350	39	38.8	38.5	38.2	37.8	37.3	36.8	36	35	33.3		
EC250-44/4	90	120	400	47.3	47.1	46.8	46.4	45.9	45.4	44.8	44	43	41.5		
EC250-53/4	110	150	450	56.1	55.9	55.6	55.3	54.8	54.3	53.7	53	52.1	50.8		

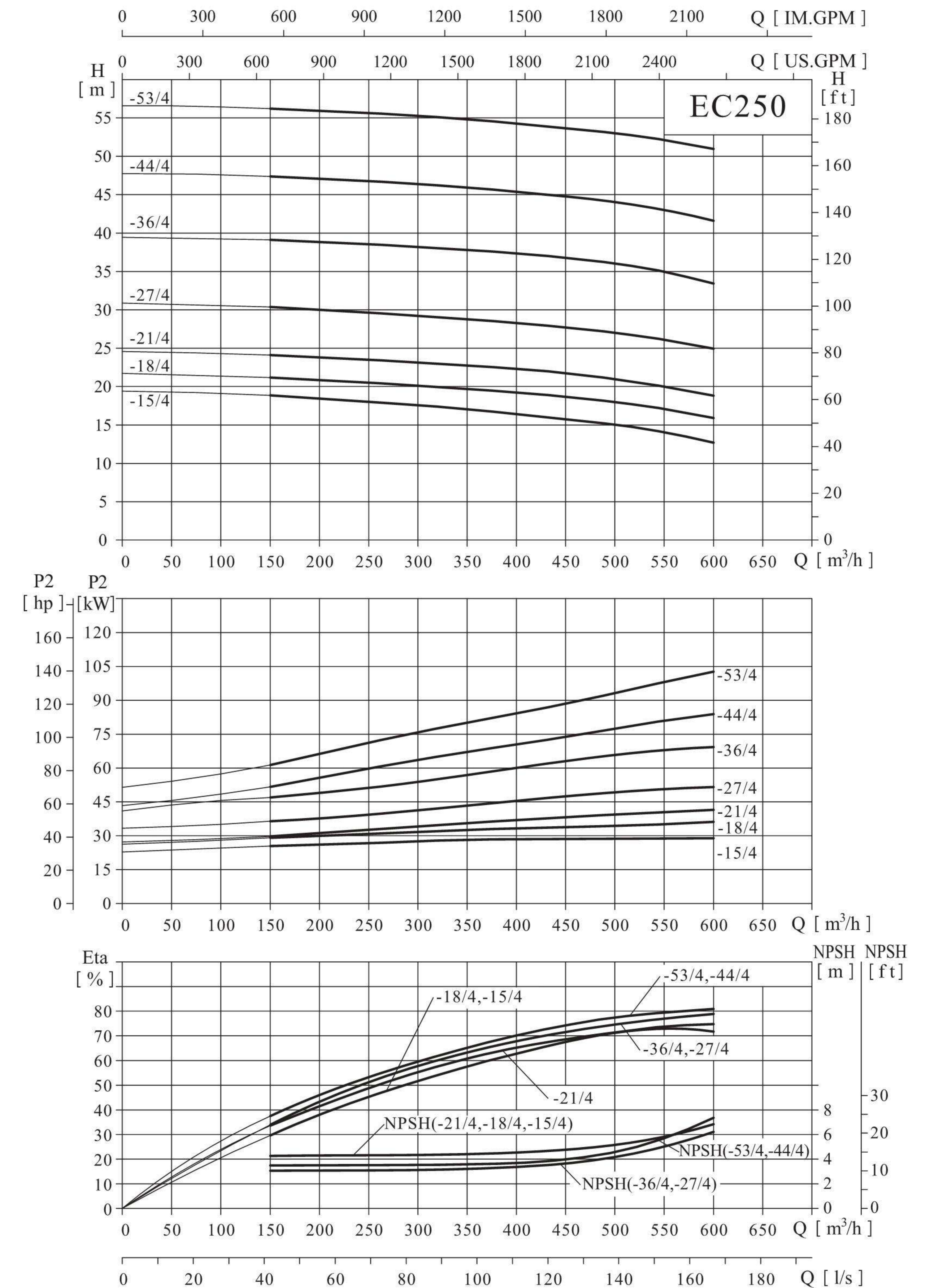
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC250-15/4	400	400	305	315	242	390	300	393	1393	1100	564
EC250-18/4	450	450	335	315	242	390	300	423	1428	1100	636
EC250-21/4	450	450	335	315	242	390	300	423	1453	1100	660
EC250-27/4	550	490	365	328	263	440	300	438	1503	1100	802
EC250-36/4	550	550	370	328	263	440	300	438	1568	1100	949
EC250-44/4	550	550	410	346	291	440	305	461	1646	1200	1065
EC250-53/4	660	625	530	346	291	440	305	461	1826	1200	1292

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

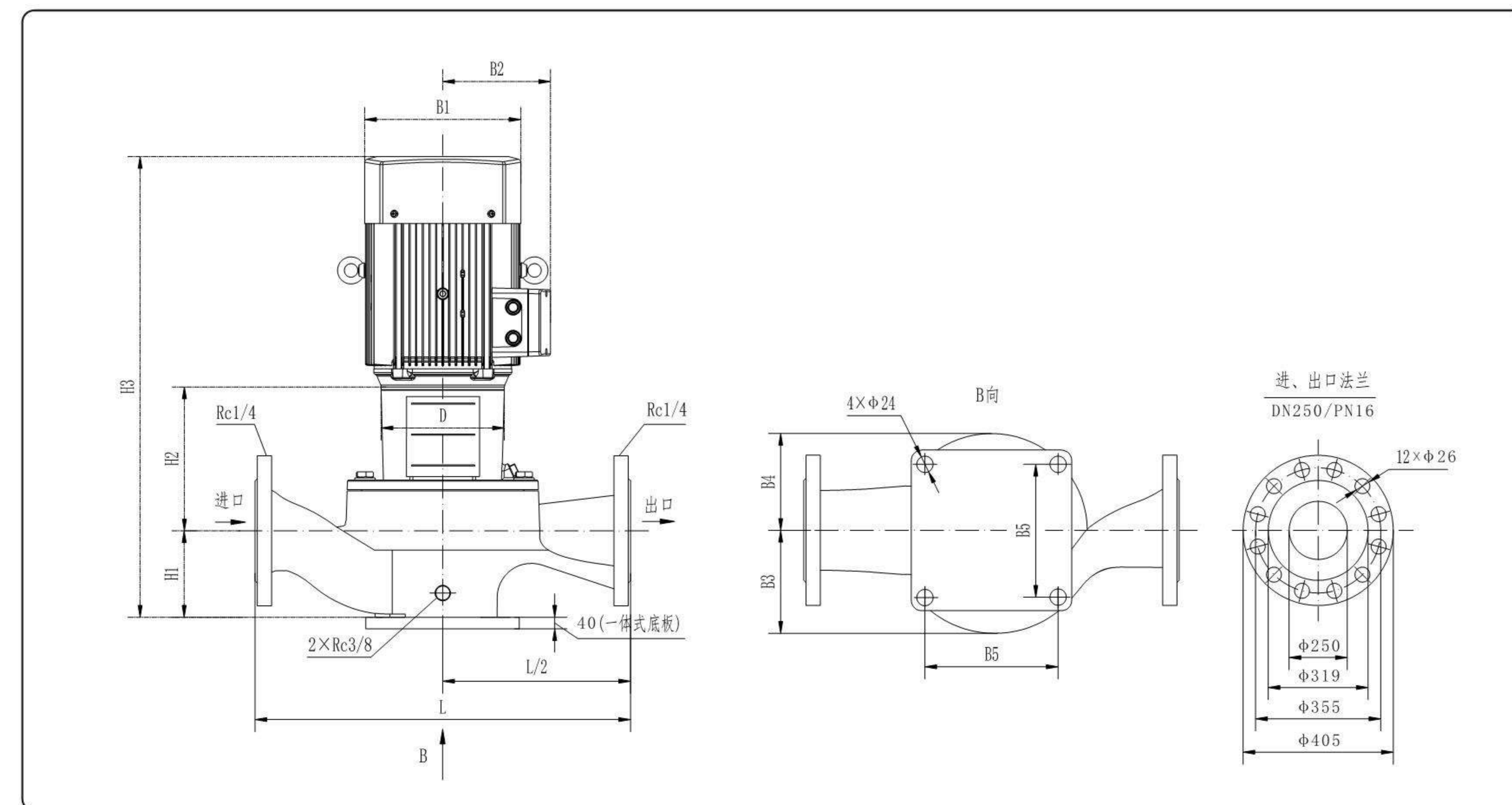
EC250-\*/4 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	H (m)										
	(kW)	(HP)		240	300	360	420	480	540	600	630	660	720	750
EC250-12.5/4	30	40	240	18.3	17.9	17.2	16.4	15.5	14.5	13.2	12.5	11.8	9.9	8.7
EC250-14/4	37	50	300	19.9	19.5	18.9	18.2	17.5	16.6	15.6	14	13.4	12.6	11.5
EC250-17/4	45	60	360	21.7	21.3	20.8	20.1	19.4	18.6	17.6	17	16.3	14.4	13.3
EC250-20/4	55	75	420	24.4	24.1	23.7	23.1	22.4	21.5	20.5	20	19.3	17.6	16.4
EC250-30/4	75	100	480	34.5	34.3	33.7	33.2	32.3	31.6	30.6	30	29.3	27.5	26.3
EC250-32/4	90	120	540	36.6	36.3	35.7	35.1	34.3	33.5	32.6	32	31.3	29.5	28.3
EC250-38/4	90	120	600	44.4	43.2	42.8	41.7	41	40.1	38.8	38	37	35.5	34.2
EC250-45/4	110	150	630	53.3	51.3	50.6	50	49.2	48.1	46.6	45	44.2	43.5	41
EC250-50/4	132	175	660	55.5	55.2	54.6	53.9	53.2	52.3	50.9	50	49	46.7	45.3

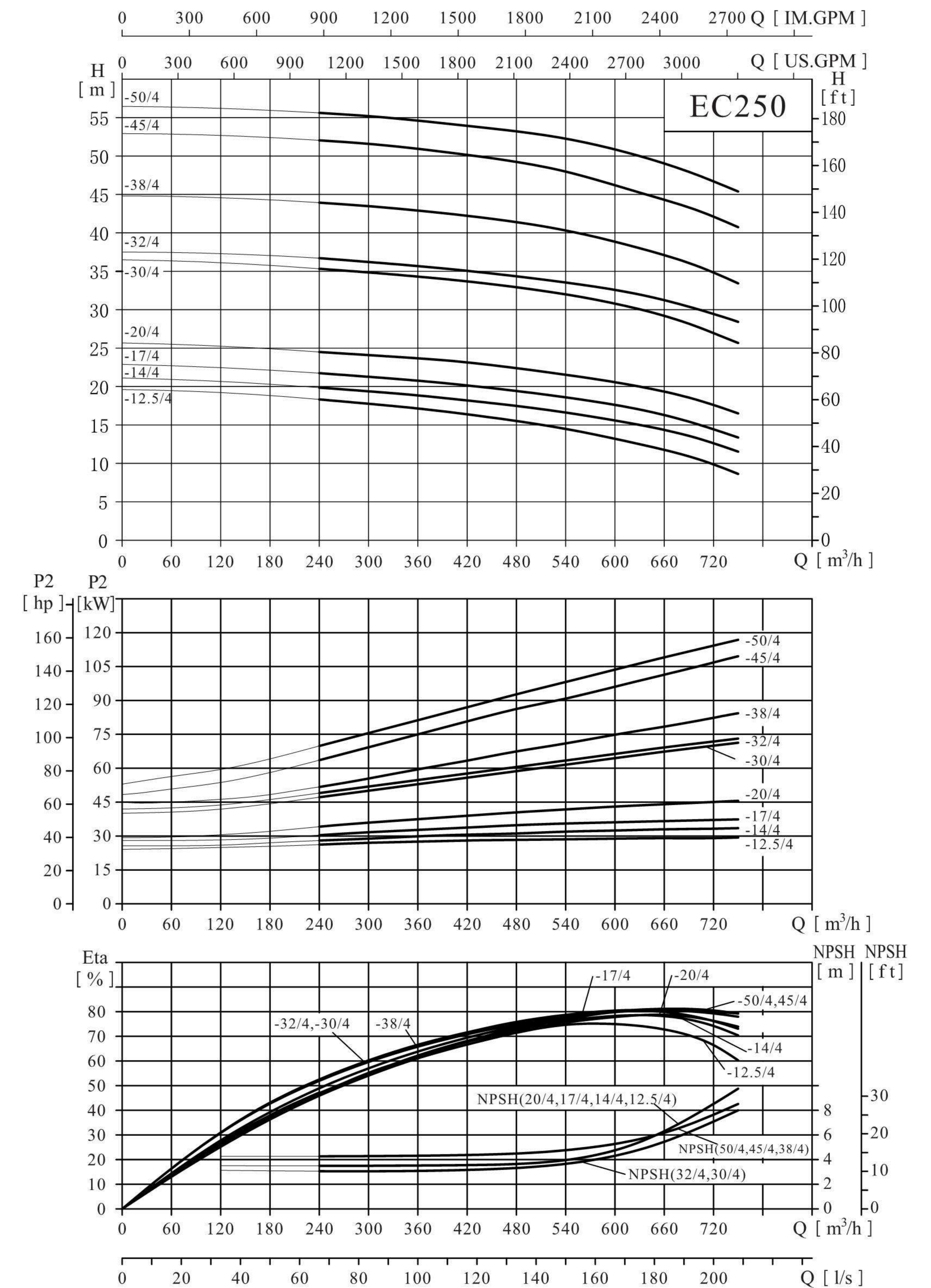
Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC250-12.5/4	400	400	305	315	242	390	300	393	1393	1100	563
EC250-14/4	450	450	335	315	242	390	300	423	1428	1100	635
EC250-17/4	450	450	335	315	242	390	300	423	1453	1100	659
EC250-20/4	550	490	370	315	242	390	300	423	1503	1100	759
EC250-30/4	550	550	410	328	263	440	300	438	1568	1100	948
EC250-32/4	550	550	410	328	263	440	300	438	1618	1100	1017
EC250-38/4	550	550	410	346	291	440	305	461	1646	1200	1063
EC250-45/4	660	625	530	346	291	440	305	461	1826	1200	1293
EC250-50/4	660	625	530	346	291	440	305	461	1946	1200	1400

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

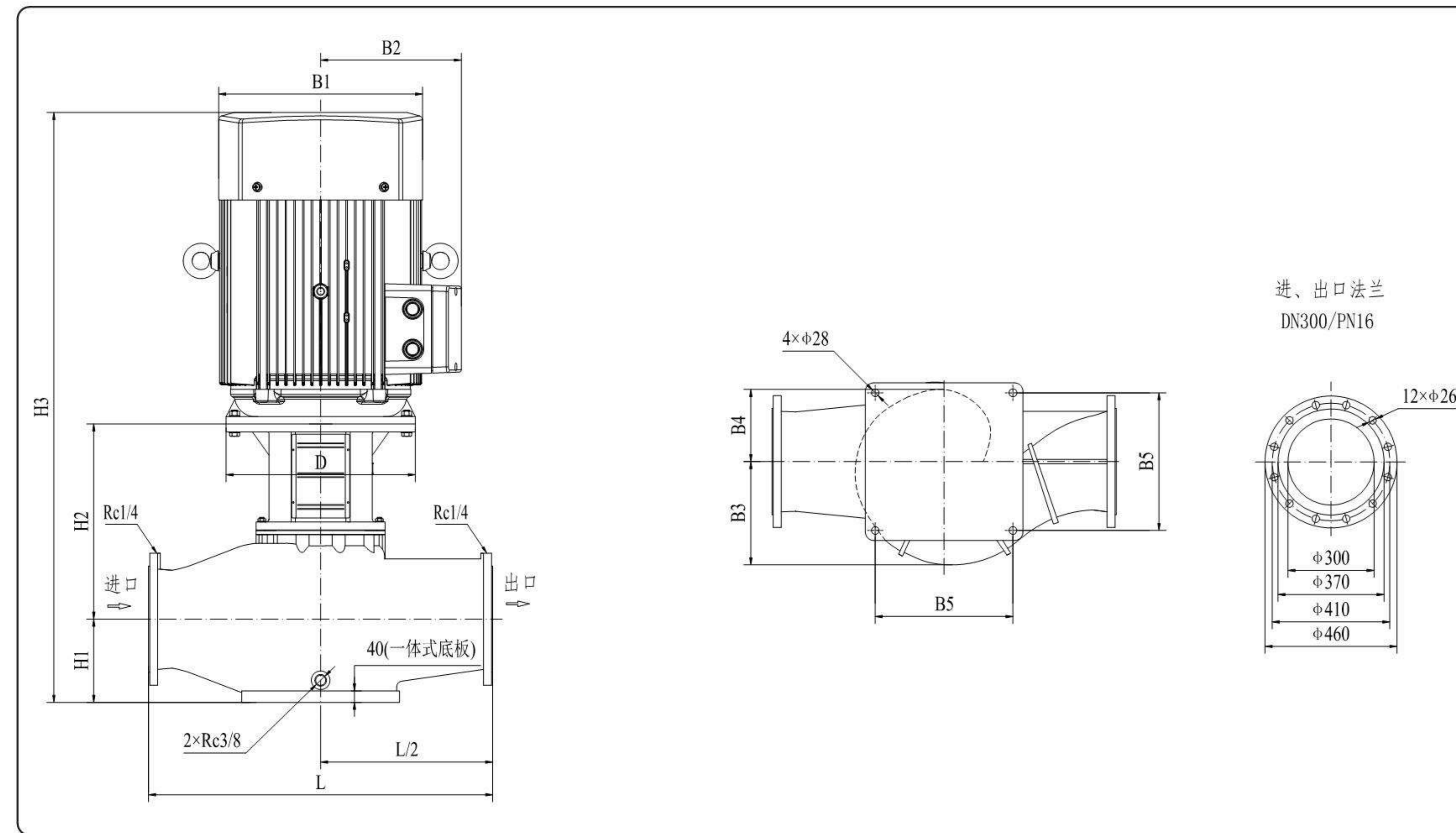
EC250-\*\*-\*/4 Operating performance curve



Operational performance data

Pump Model	With motor power		Q (m <sup>3</sup> /h)	270	360	450	630	750	900	1080	1200
	(kW)	(HP)									
EC300-15/4	55	75	H (m)	22.7	22.3	21.6	19.5	17.8	15	11.6	8.5
EC300-20/4	75	100		26.4	26	25.5	24.1	22.4	20	17.1	14.5
EC300-25/4	90	120		30.8	30.4	29.8	28.2	27.1	25	22.5	20
EC300-30/4	110	150		34.5	34	33.5	32.4	31.6	30	27.5	25
EC300-35/4	132	175		38.6	38.1	37.8	36.9	36	35	32.6	29.6
EC300-44/4	160	215		49.5	49.2	48.8	47.6	46.3	44	40.5	37.5
EC300-55/4	200	270		58.2	57.9	57.6	56.7	56.1	55	52.5	49.2

Mounting dimensions and product weight



Pump Model	Size [mm]										Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L	
EC300-15/4	550	490	365	344	249	440	290	649	1720	1200	907
EC300-20/4	550	550	400	344	249	440	290	649	1770	1200	1075
EC300-25/4	550	550	400	379	279	480	290	659	1850	1200	1230
EC300-30/4	660	625	550	379	279	480	290	699	2000	1200	1570
EC300-35/4	660	625	550	379	279	480	290	699	2150	1200	1650
EC300-44/4	660	625	550	379	294	480	290	702	2150	1200	1790
EC300-55/4	660	625	550	379	294	480	290	702	2150	1200	1905

The data in the table is standard motor data. If need t special motors such as single-phase motors, variable frequency motors and explosion-proof motors, please consult the company.

EC300-\*/4 Operating performance curve

