



Technical Catalogue



TK Series

Vertical In-Line Pump

Introduction

TK, TS Series single-stage vertical centrifugal pump completes the liquid transportation by the centrifugal force generated by the impeller of the rotary pump. Its pump body and motor are composed of main shaft, impeller, pump case and mechanical seal, and connected by coupling.

TK, TS series can work under high temperature and pressure. They are mainly used for heating, cooling tower, air-conditioning system and can be used as booster pump in water supply system.

Its piping structure ensures that the pump is directly installed in the same horizontal piping system with the same diameter in and out. This design makes the structure and piping of the pump more compact.

Design of pump structure

Pull-up design with separated motor and pump body

The pump cover bracket acts as a connection between the motor and the pump body, using the O-ring as the seal between it and the pump body

The flange size meets the requirements of PN16 in GB/T17241.6 or ISO7005-2/DIN2501

Liquid temperature °C

Normal temperature pump: -15°C to +70°C

Hot temperature pump: -15°C to +105°C

Ambient temperature

If the ambient temperature exceeds the 40 °C or the pump is installed at an altitude exceeding 1000 m, the motor output power P2 will decrease. In such cases, it's necessary to use a motor with a higher rated output.

Motor

- Totally enclosed, fan-cooled, 2-pole standard motors
- Enclosure class: IP55
- Insulation class: F
- Voltage: 3x220-240/380-415V
1x220-240V
- Available with single-phase motors(0.37kW-2.2kW)

Performance curves

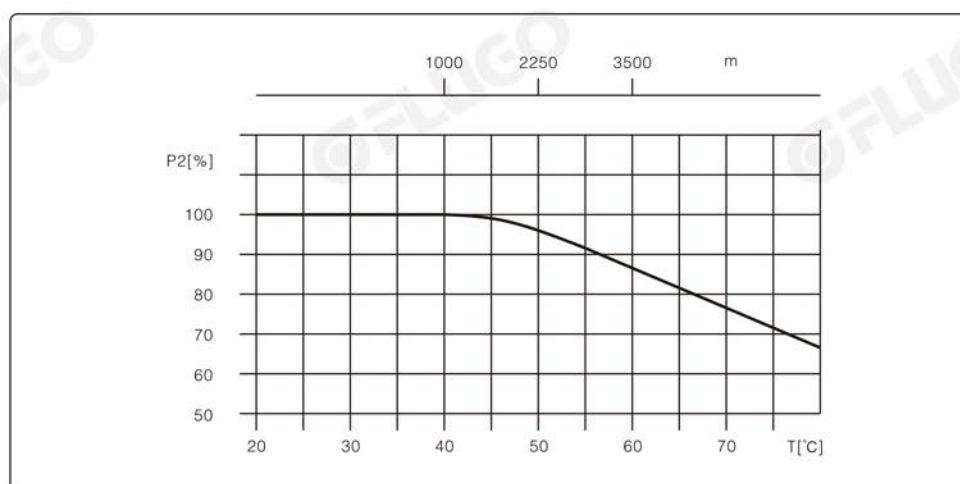
- The motors used for the measurements are based on 1480rpm or 1450 rpm
- Tolerances to ISO 9906
- Measurements have been made with airless water at a temperature of 20 °C
- The curves apply to the following kinematic viscosity: = 1 mm²/s
- Select a best efficiency of the pump which is operating within the bold curve of the pump performance.

Maximum working pressure

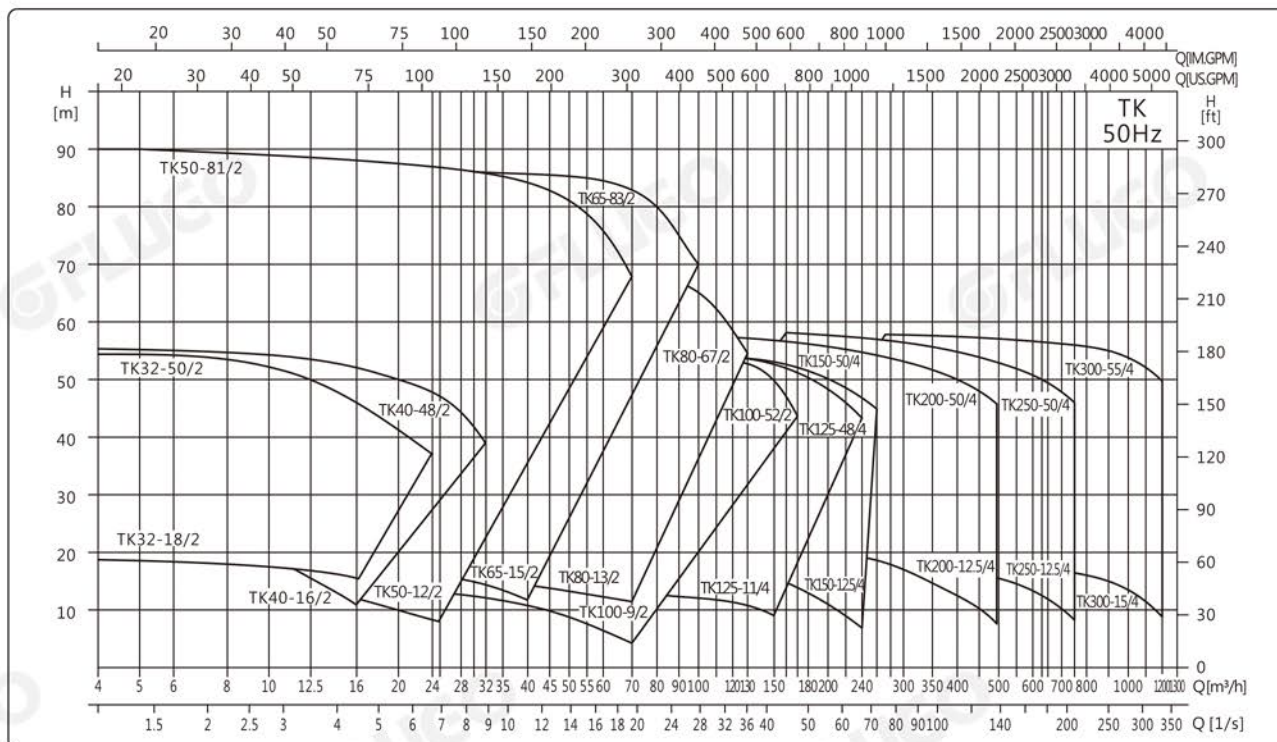
- Normal type: PN12
- High pressure type: PN16

Pump operating conditions

- Pumping liquids which are thin, clean, non-flammable, non-combustible or non-explosive liquids, not containing solid particles or fibers.
- Maximum ambient temperature: +40 °C
- Maximum altitude above sea level: 1000 m



Pump performance range



Minimum inlet pressure, NPSH

Cavitation may occur if the following conditions exist during the operation of the water pump:

- The water tank or pool is lower than the water pump inlet;
- High liquid temperature;
- Actual flow significantly greater than rated flow;
- Pressure in the pump lower than the vaporization pressure of the conveying liquid.

To avoid cavitation, make sure there is a minimum pressure on the inlet side of the pump. The maximum suction range H (m) can be calculated as follows:

P_b = Atmospheric pressure (atmospheric pressure can be set to 1 bar),
in closed system, P_b is system pressure

H_f = Net positive suction head (can be read from the maximum possible flow rate of the pump on the NPSH curve)

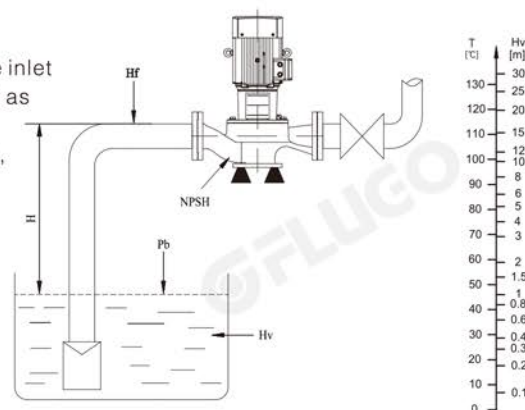
H_f = Pipeline loss at inlet

H_v = Vaporization pressure

H_s = Safety margin = Minimum 0.5m head

If the calculated value of H is positive, the pump can be operated at the maximum suction range H .

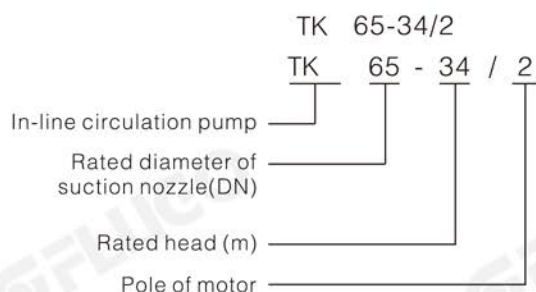
If the calculated H is negative, there must be a head with minimum inlet pressure H .



TK

VERTICAL IN-LINE PUMP

Model specification



Applications

Water supply

- Water filter
- Supercharging
- Pressurization of hotels
- Industrial pressurization

Industrial boosting

- Cleaning system
- High pressure flushing system
- Firefighting system
- Car cleaning equipment

Industrial liquid transport

- Cooling air conditioning system
- Boiler feed water
- Condensing system and cooling tower
- Machine tool cooling lubrication system

Water treatment

- Ultrafiltration system
- Reverse osmosis system
- Distillation system
- Separator
- Swimming pool

Irrigation

- Regional irrigation
- Sprinkler irrigation
- Drip irrigation
- Greenhouse irrigation

Parameter

Tabel 1

No.	Model	Q [m³/h]	H [m]	n [r/min]	Voltage[V]	
					1X 220V	3 X 380V
					P [kW]	P [kW]
1	TK32-18/2	8	18	2900	1.1	1.1
2	TK32-21/2	12.5	21		1.5	1.5
3	TK32-25/2	12.5	25		2.2	2.2
4	TK32-32/2	12.5	32			3
5	TK32-38/2	12.5	38			4
6	TK32-50/2	12.5	50			5.5
7	TK40-16/2	12.5	16		1.1	1.1
8	TK40-20/2	12.5	20		1.5	1.5
9	TK40-18/2	20	18		2.2	2.2
10	TK40-25/2	20	25			3
11	TK40-30/2	25	30			4
12	TK40-36/2	25	36			5.5
13	TK40-48/2	25	48			7.5
14	TK50-32/2	12.5	32			3
15	TK50-38/2	12.5	38			4
16	TK50-48/2	12.5	48			5.5
17	TK50-12/2	16	12		1.1	1.1
18	TK50-15/2	20	15		1.5	1.5
19	TK50-18/2	25	18		2.2	2.2
20	TK50-24/2	25	24			3
21	TK50-28/2	30	28			4
22	TK50-35/2	30	35			5.5
23	TK50-40/2	35	40			7.5
24	TK50-50/2	40	50			11
25	TK50-60/2	50	60			15
26	TK50-70/2	50	70			18.5
27	TK50-81/2	50	81			22
28	TK65-36/2	25	36			5.5
29	TK65-48/2	25	48			7.5
30	TK65-15/2	30	15		2.2	2.2
31	TK65-19/2	30	19			3
32	TK65-22/2	40	22			4
33	TK65-30/2	40	30			5.5
34	TK65-34/2	50	34			7.5
35	TK65-40/2	50	40			11
36	TK65-50/2	50	50			15
37	TK65-61/2	50	61			18.5
38	TK65-67/2	50	67			22
39	TK65-83/2	50	83			30
40	TK80-13/2	50	13			3
41	TK80-18/2	50	18			4

Parameter

Tabel 1

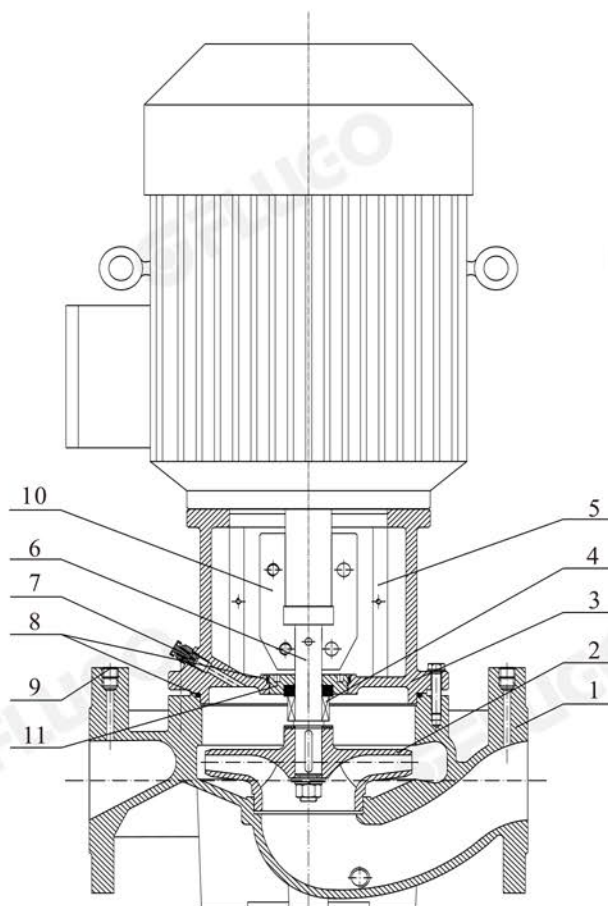
No.	Model	Q [m³/h]	H [m]	n [r/min]	Voltage[V]	
					1X 220V	3 X 380V
					P [kW]	P [kW]
42	TK80-22/2	50	22	2900		5.5
43	TK80-28/2	50	28			7.5
44	TK80-40/2	50	40			11
45	TK80-48/2	50	48			15
46	TK80-30/2	80	30			11
47	TK80-38/2	80	38			15
48	TK80-47/2	80	47			18.5
49	TK80-54/2	80	54			22
50	TK80-67/2	80	67			30
51	TK100-9/2	50	9		2.2	2.2
52	TK100-15/2	60	15			4
53	TK100-17/2	80	17			5.5
54	TK100-22/2	80	22			7.5
55	TK100-27/2	100	27			11
56	TK100-33/2	100	33			15
57	TK100-40/2	100	40			18.5
58	TK100-48/2	100	48			22
59	TK100-52/2	130	52			30
60	TK125-11/4	120	11	1450		5.5
61	TK125-14/4	120	14			7.5
62	TK125-18/4	160	18	1480		11
63	TK125-22/4	160	22			15
64	TK125-28/4	160	28			18.5
65	TK125-32/4	160	32			22
66	TK125-40/4	160	40			30
67	TK125-48/4	160	48			37
68	TK150-12.5/4	200	12.5			11
69	TK150-13/4	200	13			11
70	TK150-17/4	200	17			15
71	TK150-18.5/4	200	18.5			15
72	TK150-21/4	200	21			18.5
73	TK150-25/4	200	25			22
74	TK150-26/4	200	26			22
75	TK150-33/4	200	33			30
76	TK150-40/4	200	40			37
77	TK150-43/4	200	43			37
78	TK150-50/4	200	50			45
79	TK200-15/4	300	15			18.5
80	TK200-18/4	300	18			22
81	TK200-24/4	300	24			30
82	TK200-30/4	300	30			37
83	TK200-35/4	300	35			45

Parameter

Tabel 1

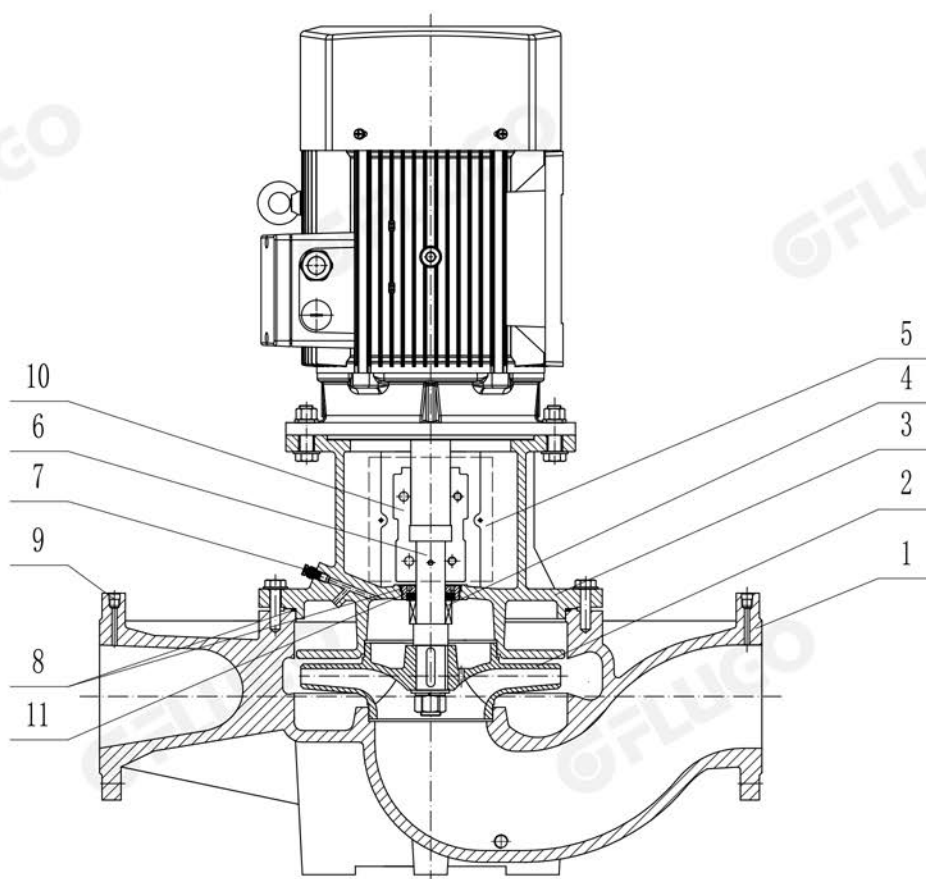
No.	Model	Q [m³/h]	H [m]	n [r/min]	Voltage[V]	
					1X 220V	3 X 380V
					P [kW]	P [kW]
84	TK200-44/4	300	44	1480		55
85	TK200-53/4	300	53			75
86	TK200-12.5/4	400	12.5			22
87	TK200-20/4	400	20			30
88	TK200-23/4	400	23			37
89	TK200-27/4	400	27			45
90	TK200-29/4	400	29			45
91	TK200-32/4	400	32			55
92	TK200-38/4	400	38			55
93	TK200-43/4	400	43			75
94	TK200-47/4	400	47			75
95	TK200-50/4	400	50			90
96	TK250-15/4	500	15			30
97	TK250-18/4	500	18			37
98	TK250-21/4	500	21			45
99	TK250-27/4	500	27			55
100	TK250-36/4	500	36			75
101	TK250-44/4	500	44			90
102	TK250-53/4	500	53			110
103	TK250-12.5/4	630	12.5			30
104	TK250-14/4	630	14			37
105	TK250-17/4	630	17			45
106	TK250-20/4	630	20			55
107	TK250-26/4	630	26			75
108	TK250-30/4	630	30			75
109	TK250-32/4	630	32			90
110	TK250-38/4	630	38			90
111	TK250-40/4	630	40			110
112	TK250-45/4	630	45			110
113	TK250-50/4	630	50			132
114	TK300-15/4	900	15			55
115	TK300-20/4	900	20			75
116	TK300-25/4	900	25			90
117	TK300-30/4	900	30			110
118	TK300-35/4	900	35			132
119	TK300-44/4	900	44			160
120	TK300-55/4	900	55			200

Structure TK32-18/2-TK125-14/4



Materials TK32-18/2-TK125-14/4

No.	Spare parts	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	Guard plate	Stainless steel	GB/T20878-06Cr19Ni10	EN10088-1.4301	AISI304
6	Pump shaft	Stainless steel	GB/T20878-20Cr13	EN10088-1.4021	AISI420
7	Air vent	Stainless steel	GB/T20878-06Cr19Ni10	EN10088-1.4301	AISI304
8	O ring	NBR	/	/	/
9	Nut	Stainless steel	GB/T20878-06Cr19Ni10	EN10088-1.4301	AISI304
10	Coupling	Cast iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM 65-45-12
11	Seal seat	Carbon steel	45#	C45	ASTM1045

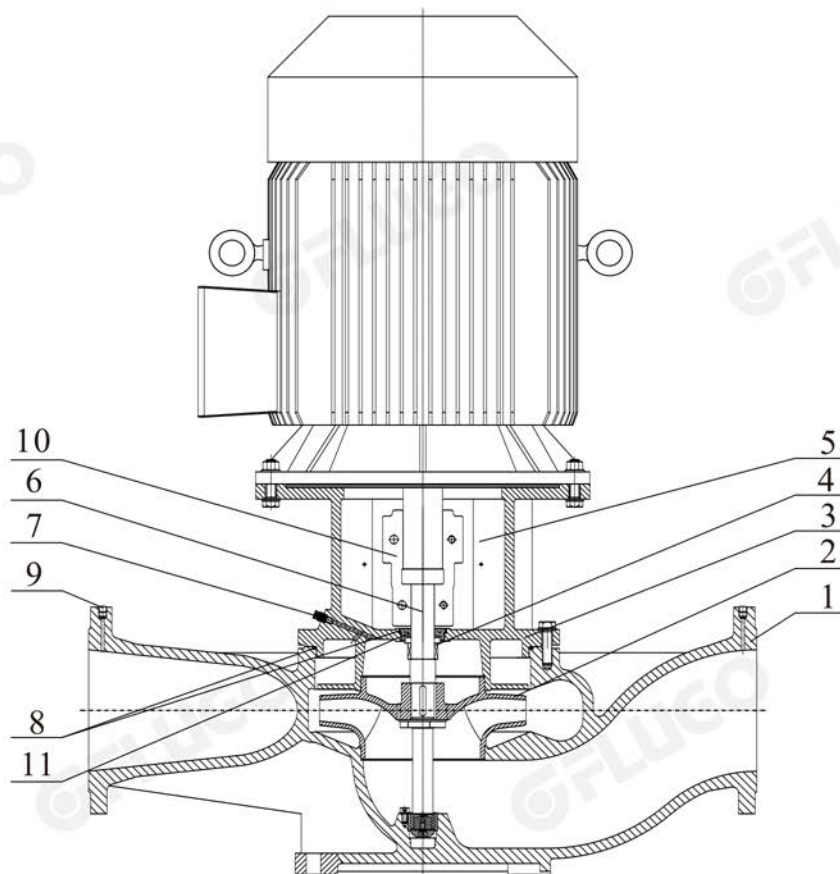
Structure TK125-18/4-TK150-50/4

Materials TK125-18/4-TK150-50/4

No.	Spare parts	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	Guard plate	Stainless steel	GB/T20878-06Cr19Ni10	EN10088-1.4301	AISI304
6	Pump shaft	Stainless steel	GB/T20878-20Cr13	EN10088-1.4021	AISI420
7	Air vent	Stainless steel	GB/T20878-06Cr19Ni10	EN10088-1.4301	AISI304
8	O ring	NBR	/	/	/
9	Nut	Stainless steel	GB/T20878-06Cr19Ni10	EN10088-1.4301	AISI304
10	Coupling	Cast iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM 65-45-12
11	Seal seat	Carbon steel	45#	C45	ASTM1045

TK

VERTICAL IN-LINE PUMP

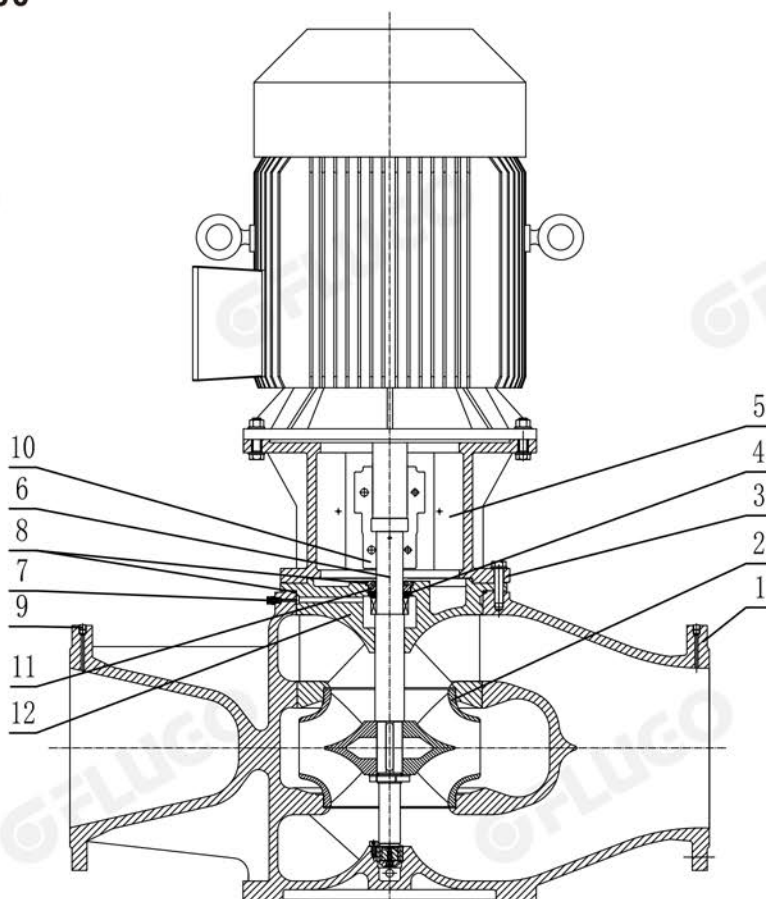
Structure TK200-TK250



Materials TK200-TK250

No.	Spare parts	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	Guard 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	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
8	O ring	NBR	/	/	/
9	Nut	Stainless steel	GB/T20878-06Cr19Ni10	EN 10088-1.4301	AISI304
10	Coupling	Cast iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM 65-45-12
11	Seal seat	Carbon steel	45#	C45	ASTM1045

Structure TK300



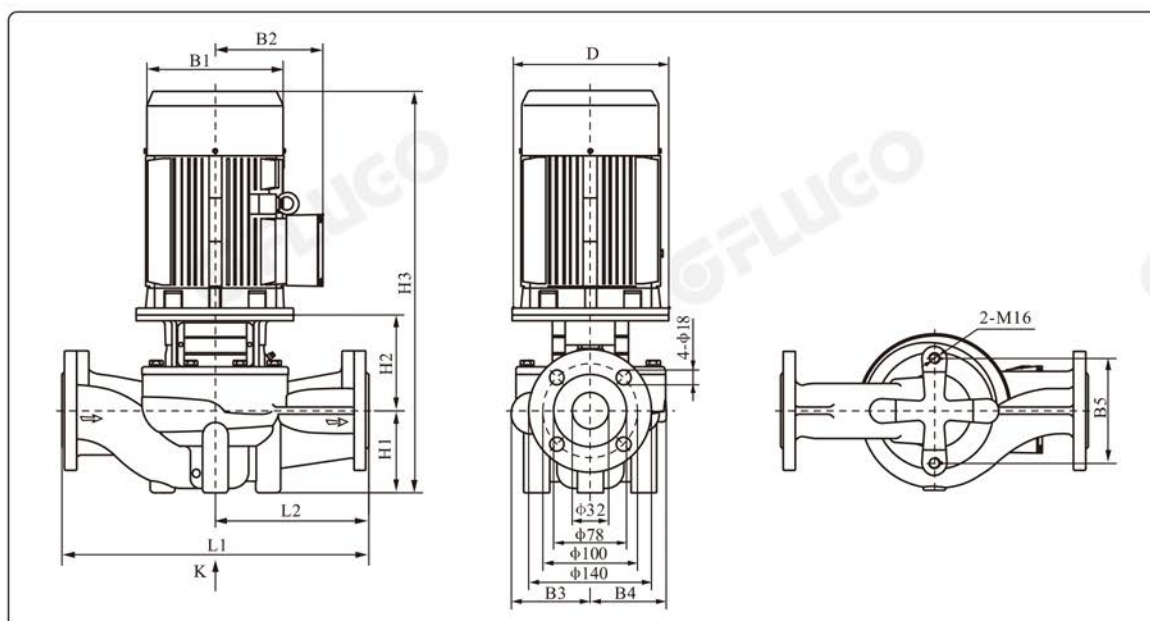
Materials TK300

No.	Spare parts	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	Guard plate	Stainless steel	GB/T20878-06Cr19Ni10	EN10088-1.4301	AISI304
6	Pump shaft	Stainless steel	GB/T20878-20Cr13	EN10088-1.4021	AISI420
7	Air vent	Stainless steel	GB/T20878-06Cr19Ni10	EN10088-1.4301	AISI304
8	O ring	NBR	/	/	/
9	Nut	Stainless steel	GB/T20878-06Cr19Ni10	EN10088-1.4301	AISI304
10	Coupling	Cast iron	GB 1348-QT500-7	EN 1563 EN-GJS-500-7	ASTM 65-45-12
11	Seal seat	Carbon steel	45#	C45	ASTM1045
12	Pump cover	Cast iron	GB 9439-HT200	EN 1561 EN-GJL-200	ASTM25B

Performance data

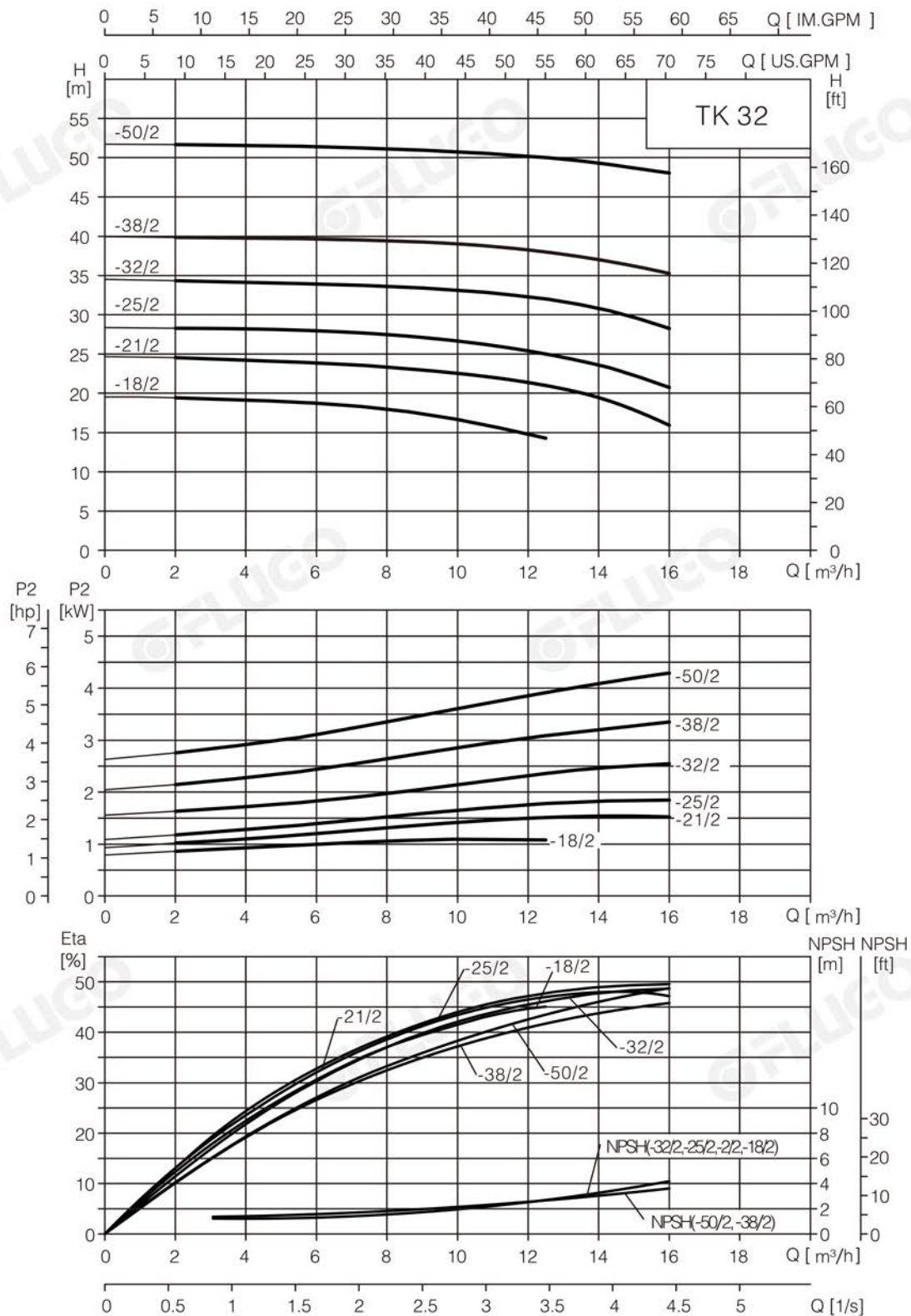
Pump model	Power		Q (m³/h)	2	4	6	8	10	12.5	14	16
	(kW)	(HP)									
TK32-18/2	1.1	1.5	H (m)	19.4	19.1	18.7	18	16.7	14.3		
TK32-21/2	1.5	2		24.5	24.2	23.9	23.3	22.5	21	19.4	15.9
TK32-25/2	2.2	3		28.3	28.2	28	27.5	26.7	25	23.6	20.7
TK32-32/2	3	4		34.3	34.2	33.9	33.6	33.1	32	30.8	28.2
TK32-38/2	4	5.5		39.8	39.8	39.7	39.4	39	38	37	35.2
TK32-50/2	5.5	7.5		51.7	51.6	51.4	51.1	50.7	50	49.3	48

Installation dimensions and weight



Pump model	Dimension[mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK32-18/2	120	170	142	125	117	144	100	189	540	340	170	36
TK32-21/2	140	190	155	125	117	144	100	199	592	340	170	40
TK32-25/2	140	190	155	125	117	144	100	199	592	340	170	42
TK32-32/2	160	197	165	125	117	144	100	205	619	340	170	48
TK32-38/2	160	230	188	144	144	144	100	207	642	440	220	64
TK32-50/2	200	260	208	144	144	144	100	227	737	440	220	85

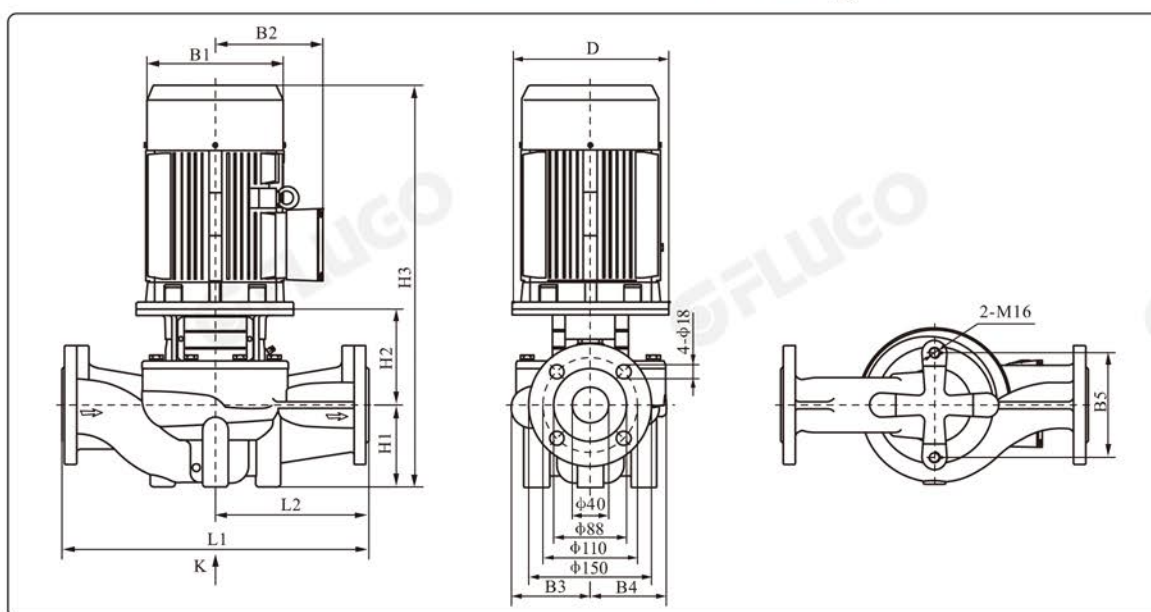
Performance curve



Performance data

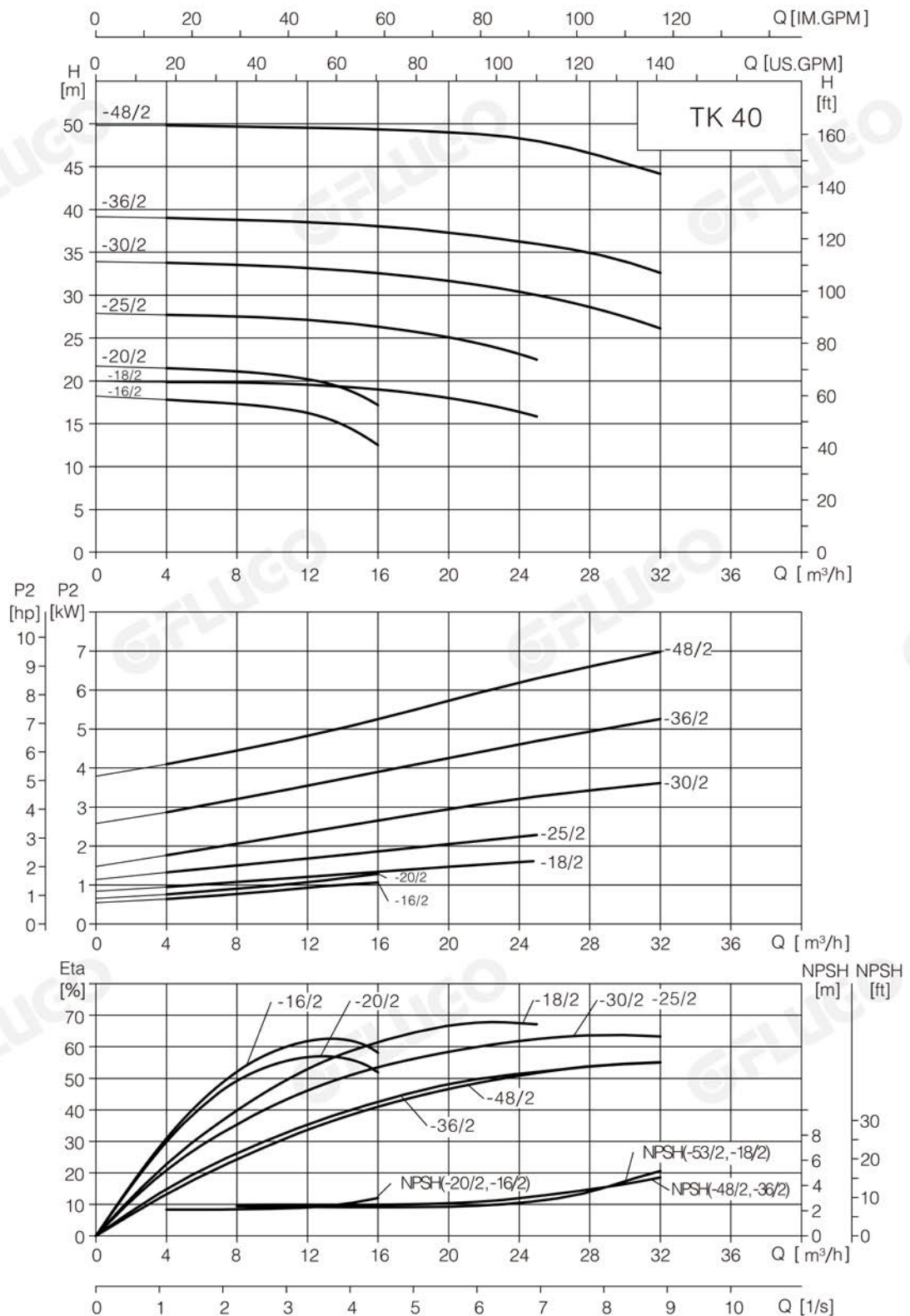
Pump model	Power		Q (m³/h)	4	8	12.5	16	20	25	28	32
	(kW)	(HP)									
TK40-16/2	1.1	1.5	H (m)	17.8	17.3	16	12.5				
TK40-20/2	1.5	2		21.5	21.1	20	17.2				
TK40-18/2	2.2	3		19.9	19.8	19.5	19	18	15.8		
TK40-25/2	3	4		27.7	27.5	27.1	26.4	25	22.5		
TK40-30/2	4	5.5		33.8	33.6	33.1	32.6	31.7	30	28.6	26.1
TK40-36/2	5.5	7.5		39	38.8	38.5	38.1	37.3	36	35	32.6
TK40-48/2	7.5	10		49.8	49.7	49.5	49.4	49	48	46.6	44.2

Installation dimensions and weight



Pump model	Dimension [mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK40-16/2	120	170	142	97	96	120	68	178	497	320	160	31
TK40-20/2	140	190	155	97	96	120	68	188	549	320	160	36
TK40-18/2	140	190	155	110	95	144	100	195	588	340	170	40
TK40-25/2	160	197	165	127	115	144	100	207	621	340	170	52
TK40-30/2	160	230	188	127	115	144	100	207	642	340	170	62
TK40-36/2	200	260	208	138	125	144	110	227	747	440	220	86
TK40-48/2	200	260	208	138	125	144	110	227	747	440	220	95

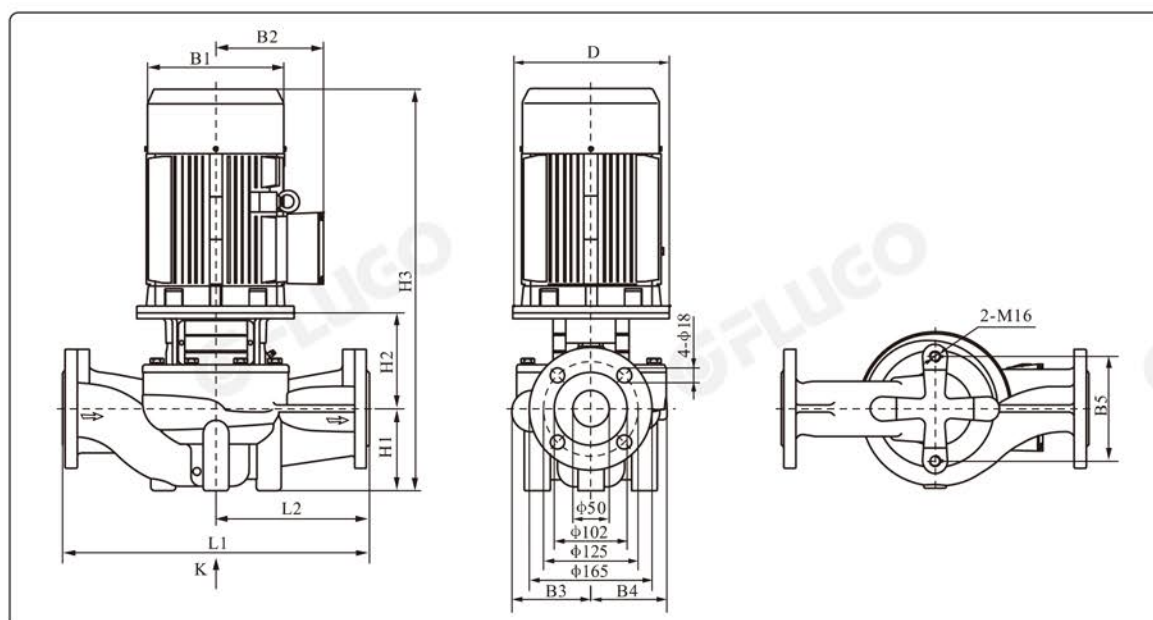
Performance curve



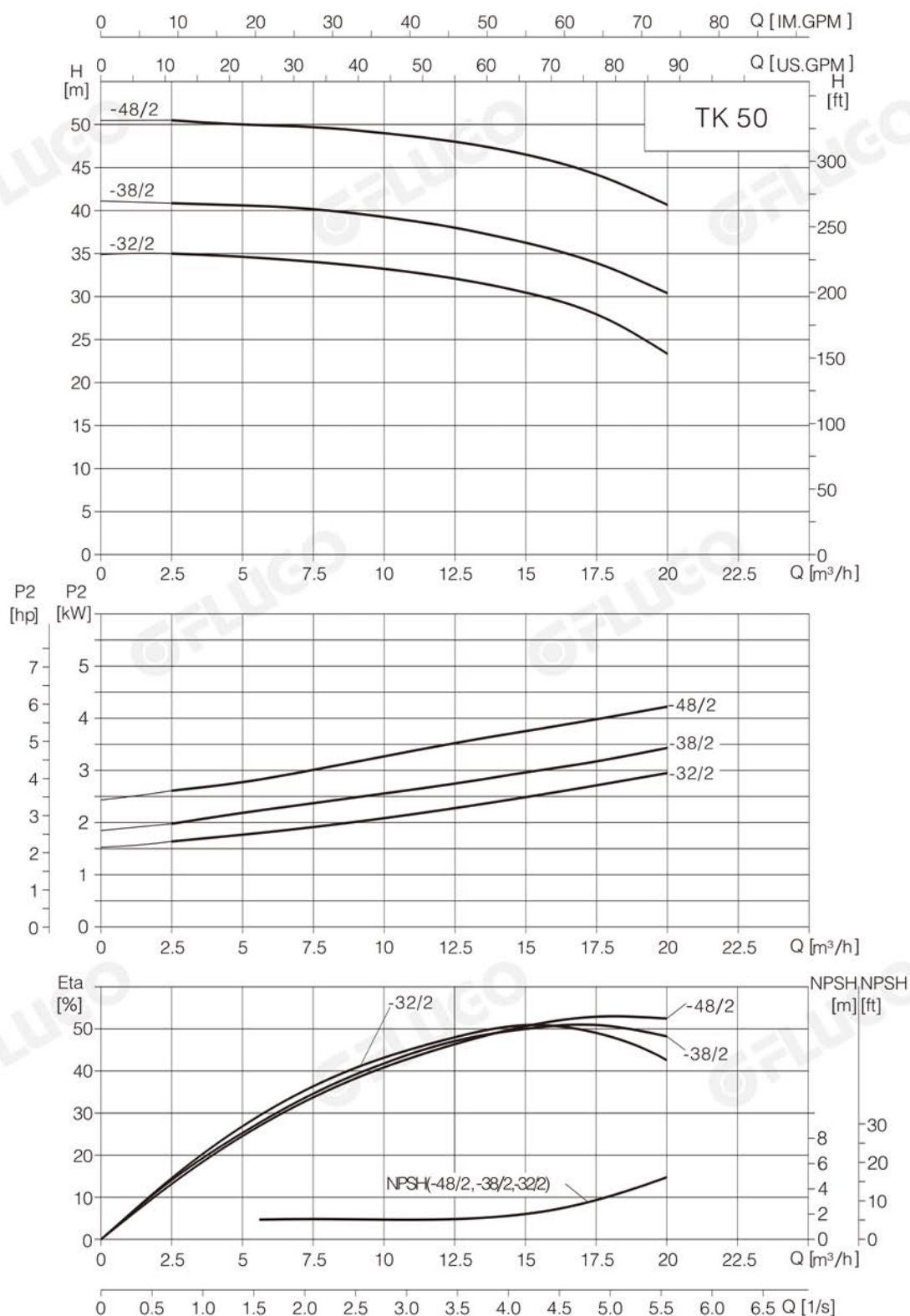
Performance data

Pump model	Power		Q (m³/h)	2.5	5	7.5	10	12.5	15	17.5	20
	(kW)	(HP)									
TK50-32/2	3	4	H (m)	35	34.6	34	33.2	32	30.5	27.9	23.3
TK50-38/2	4	5.5		40.8	40.6	40.2	39.2	38	36.2	33.9	30.4
TK50-48/2	5.5	7.5		50.5	50	49.7	49	48	46.5	44.2	40.7

Installation dimensions and weight



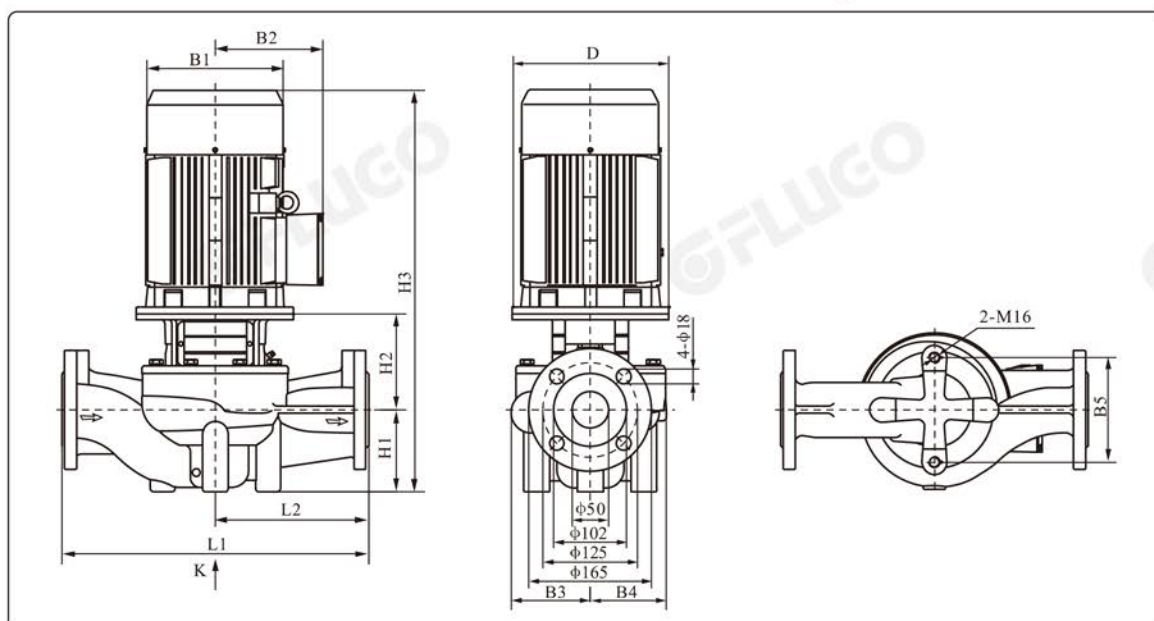
Pump model	Dimension[mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK50-32/2	160	197	165	128	128	144	105	181	600	400	200	58
TK50-38/2	160	230	188	128	128	144	105	181	621	400	200	68
TK50-48/2	200	260	208	128	128	144	105	201	716	400	200	85

Performance curve


Performance data

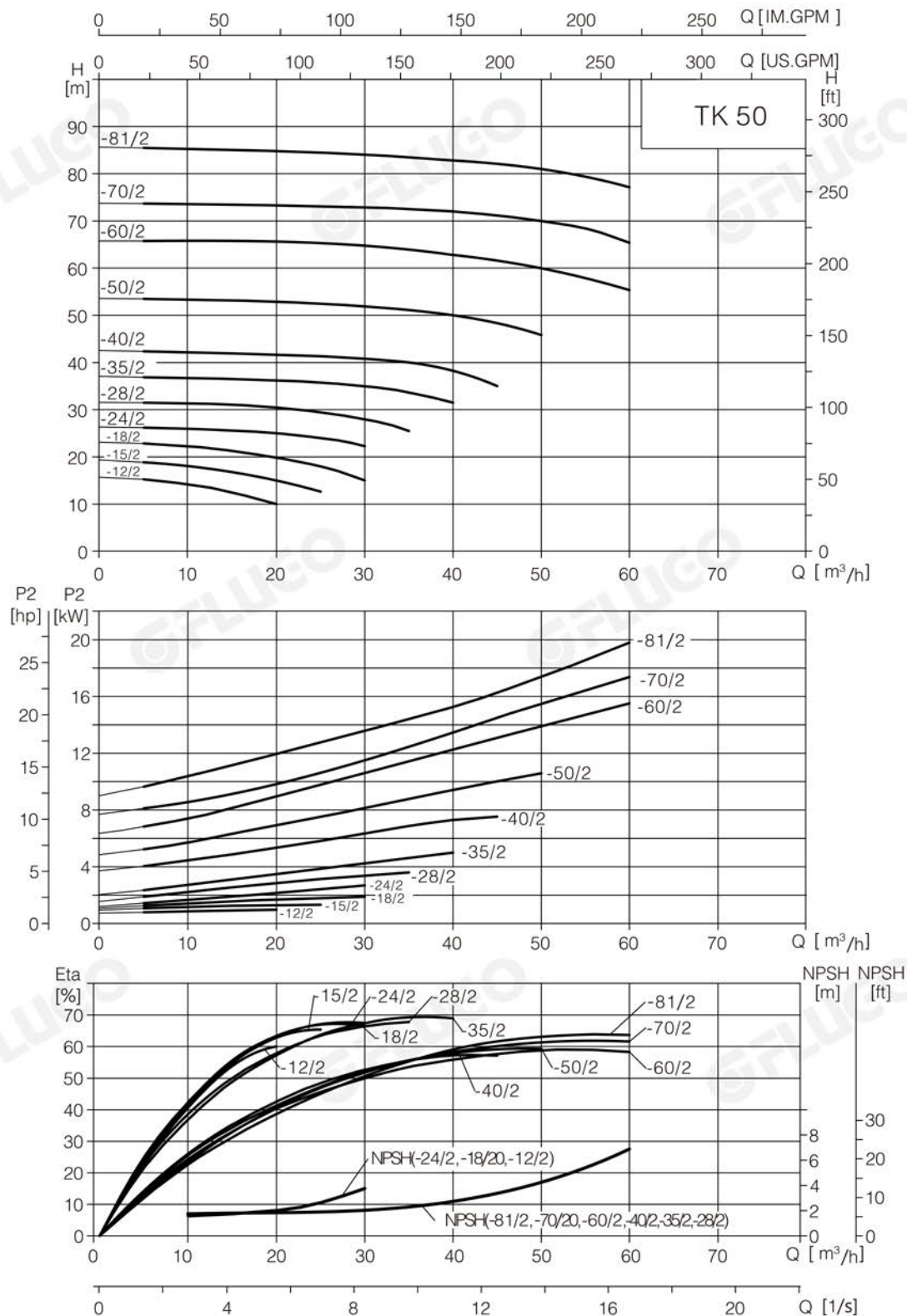
Pump model	Power		Q (m³/h)	H (m)	5	10	16	20	25	30	35	40	45	50	60
	(kW)	(HP)													
TK50-12/2	1.1	1.5	15.2		14.2	12	10								
TK50-15/2	1.5	2	18.9		18	16.5	15	12.6							
TK50-18/2	2.2	3	22.8		22.3	21	19.8	18	15						
TK50-24/2	3	4	26.2		26	25.5	25	24	22.3						
TK50-28/2	4	5.5	31.5		31.3	31	30.5	29.5	28	25.5					
TK50-35/2	5.5	7.5	36.9		36.7	36.5	36.2	35.8	35	33.7	31.5				
TK50-40/2	7.5	10	42.3		42.2	41.9	41.7	41.3	40.8	40	38.3	35			
TK50-50/2	11	15	53.5		53.4	53.1	52.9	52.5	51.9	51.1	50	48.4	45.8		
TK50-60/2	15	20	65.7		65.8	65.7	65.6	65.3	64.7	63.9	62.8	61.6	60	55.4	
TK50-70/2	18.5	25	73.7		73.6	73.4	73.3	73.1	72.9	72.5	72	71.2	70	65.4	
TK50-81/2	22	30	85.5		85.3	85	84.8	84.5	84	83.5	82.8	82.1	81	77.1	

Installation dimensions and weight



Pump model	Dimension[mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK50-12/2	120	170	142	117	115	144	105	174	530	340	170	36
TK50-15/2	140	190	155	117	115	144	105	174	572	340	170	42
TK50-18/2	140	190	155	117	115	144	105	174	572	340	170	44
TK50-24/2	160	197	165	117	115	144	105	184	603	340	170	50
TK50-28/2	160	230	188	129	115	144	115	198	648	340	170	64
TK50-35/2	200	260	208	129	115	144	115	218	742	340	170	83
TK50-40/2	200	260	208	171	158	144	115	215	740	440	220	98
TK50-50/2	350	330	255	171	158	144	115	245	902	440	220	172
TK50-60/2	350	330	255	171	158	144	115	245	935	440	220	182
TK50-70/2	350	330	255	171	158	144	115	245	935	440	220	196
TK50-81/2	350	360	280	171	158	144	115	245	965	440	220	238

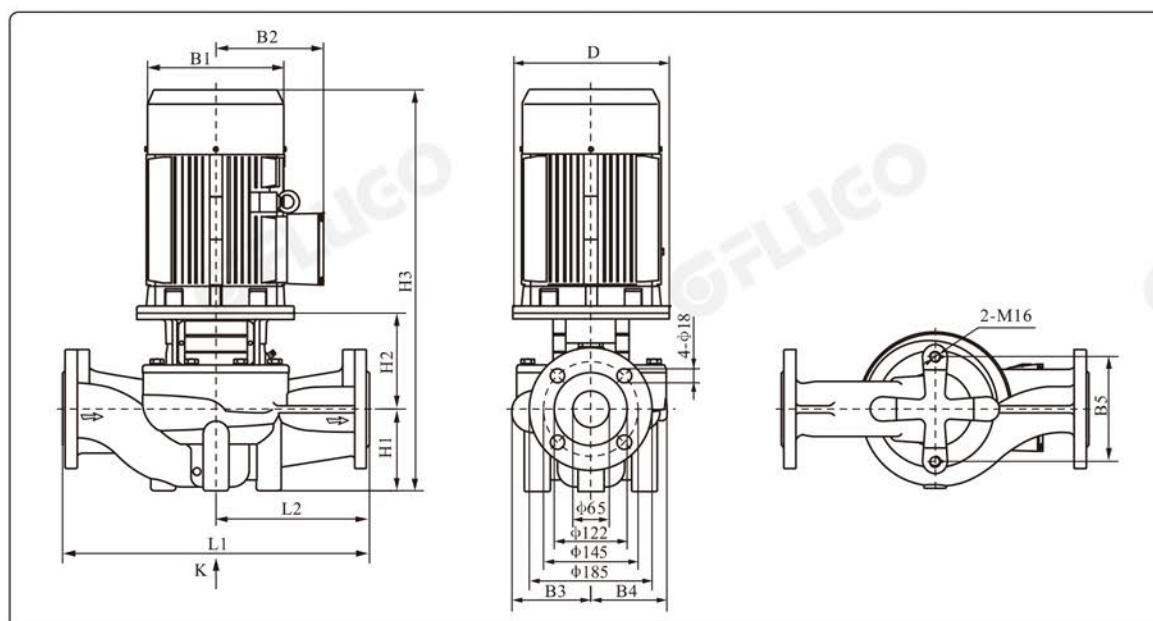
Performance curve



Performance data

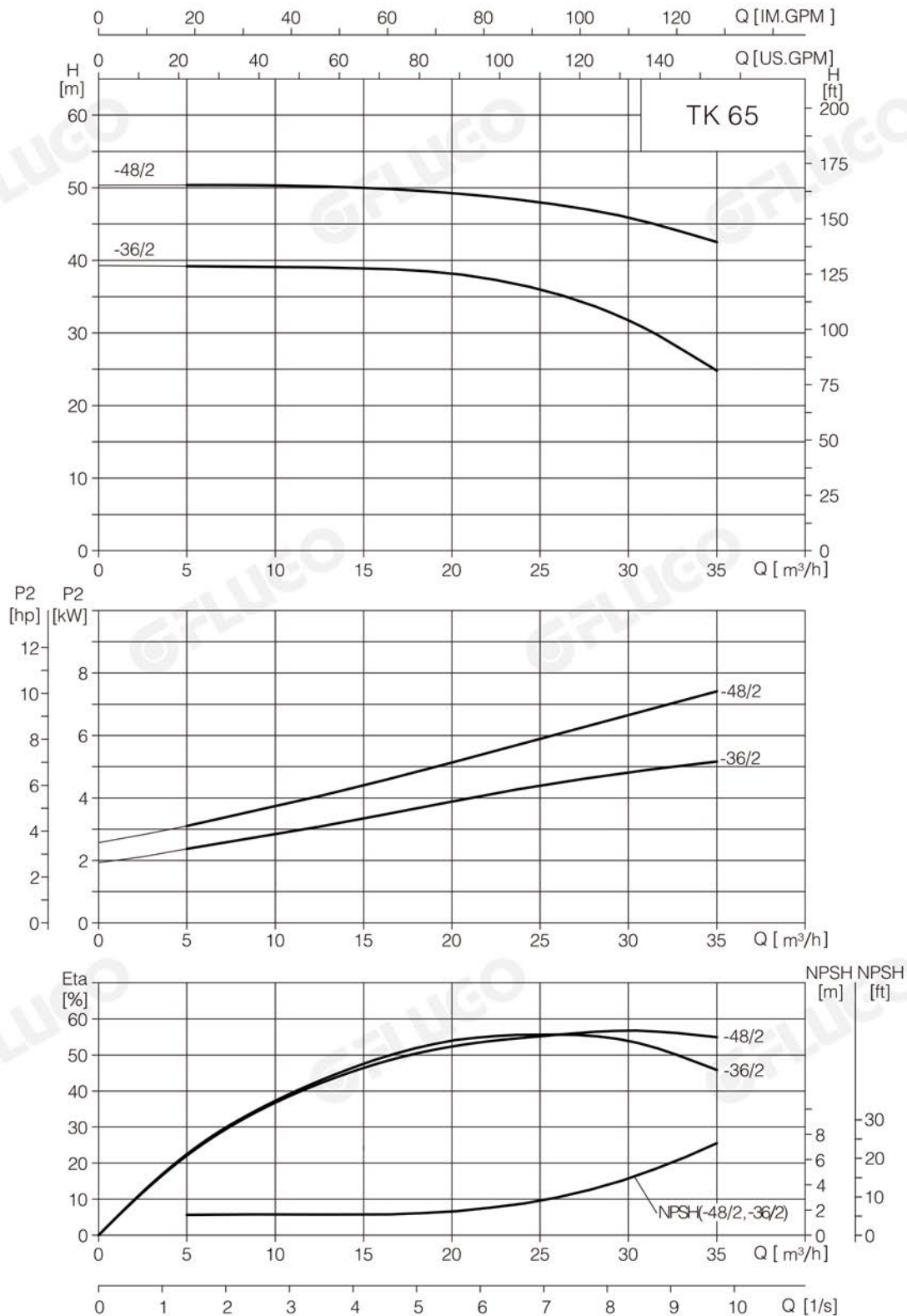
Pump model	Power		Q (m ³ /h)	5	10	16	20	25	30	35
	(kW)	(HP)								
TK65-36/2	5.5	7.5	H (m)	39.2	39.1	38.9	38.2	36	31.8	24.8
TK65-48/2	7.5	10		50.4	50.3	50	49.3	48	45.9	42.5

Installation dimensions and weight



Pump model	Dimension [mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK65-36/2	200	260	208	128	128	144	105	209	724	400	200	87
TK65-48/2	200	260	208	128	128	144	105	209	724	400	200	94

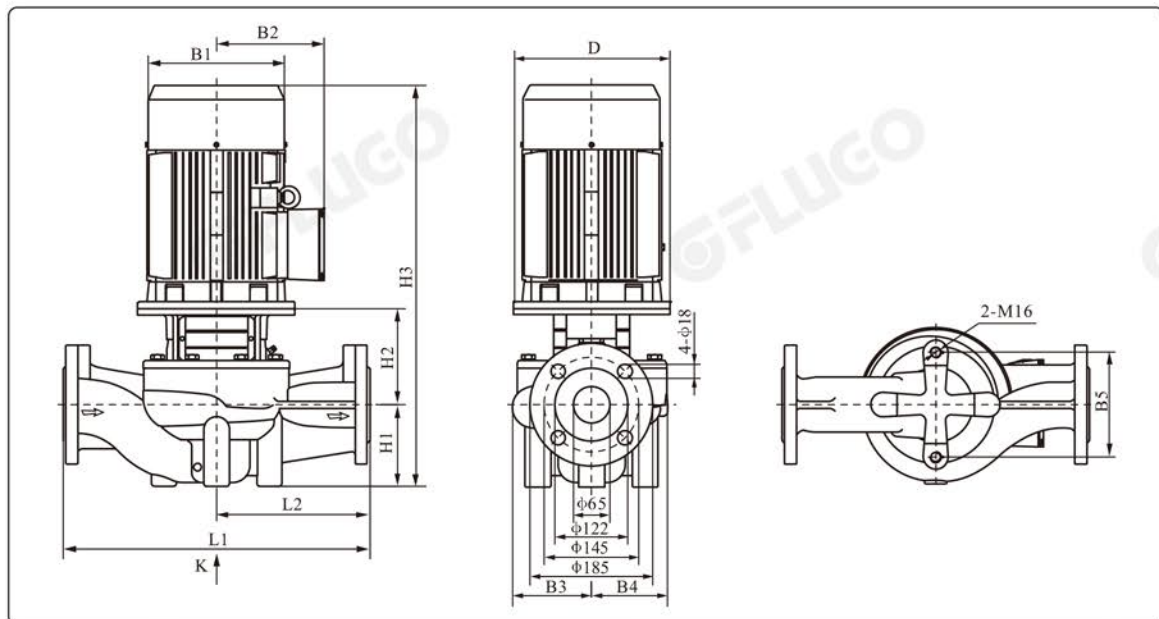
Performance curve



Performance data

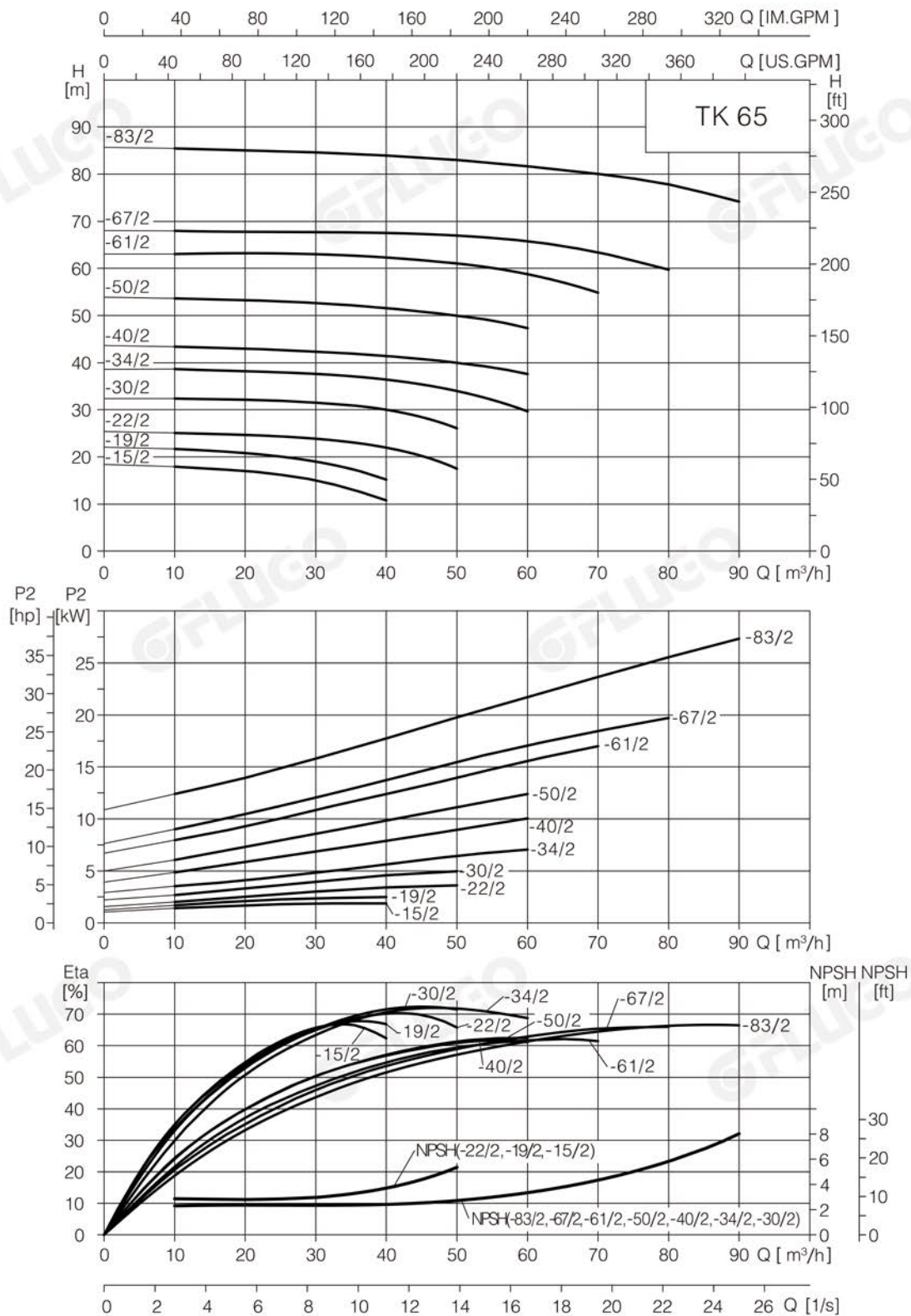
Pump model	Power		Q (m³/h)	10	20	30	40	50	60	70	80	90
	(kW)	(HP)										
TK65-15/2	2.2	3	H (m)	17.9	17	15	10.7					
TK65-19/2	3	4		21.7	20.8	19	15.2					
TK65-22/2	4	5.5		25.1	24.7	23.9	22	17.5				
TK65-30/2	5.5	7.5		32.4	32.1	31.5	30	26.1				
TK65-34/2	7.5	10		38.6	38.2	37.6	36.4	34	29.6			
TK65-40/2	11	15		43.4	42.9	42.3	41.4	40	37.6			
TK65-50/2	15	20		53.6	53.3	52.7	51.6	50	47.3			
TK65-61/2	18.5	25		63.1	63.2	63	62.3	61	58.8	54.8		
TK65-67/2	22	30		68	67.8	67.7	67.5	67	65.8	63.4	59.7	
TK65-83/2	30	40		85.4	85.1	84.6	83.9	83	81.7	80	77.8	74.2

Installation dimensions and weight



Pump model	Dimension [mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK65-15/2	140	190	155	142	124	144	105	193	591	360	180	48
TK65-19/2	160	197	165	142	124	144	105	203	622	360	180	57
TK65-22/2	160	230	188	142	124	144	105	203	643	360	180	65
TK65-30/2	200	260	208	142	124	144	105	223	738	360	180	84
TK65-34/2	200	260	208	142	124	144	105	223	738	360	180	91
TK65-40/2	350	330	255	179	167	144	125	257	924	475	238	178
TK65-50/2	350	330	255	179	167	144	125	257	957	475	238	190
TK65-61/2	350	330	255	179	167	144	125	257	957	475	238	202
TK65-67/2	350	330	280	179	167	144	125	257	987	475	238	242
TK65-83/2	400	400	305	179	167	144	125	257	1047	475	238	298

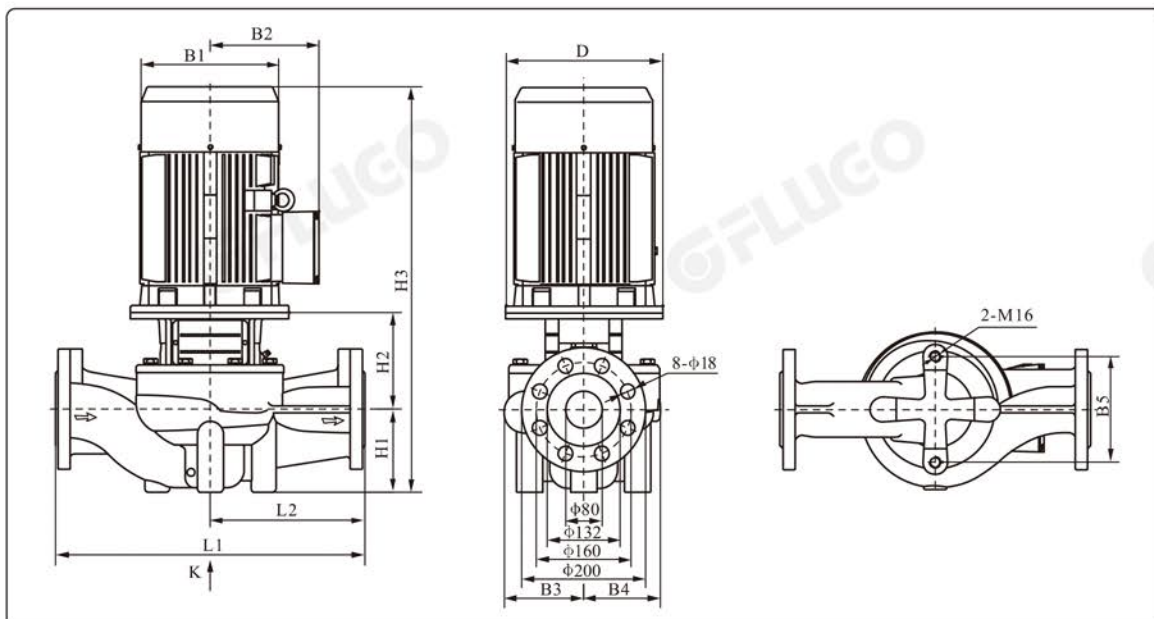
Performance curve



Performance data

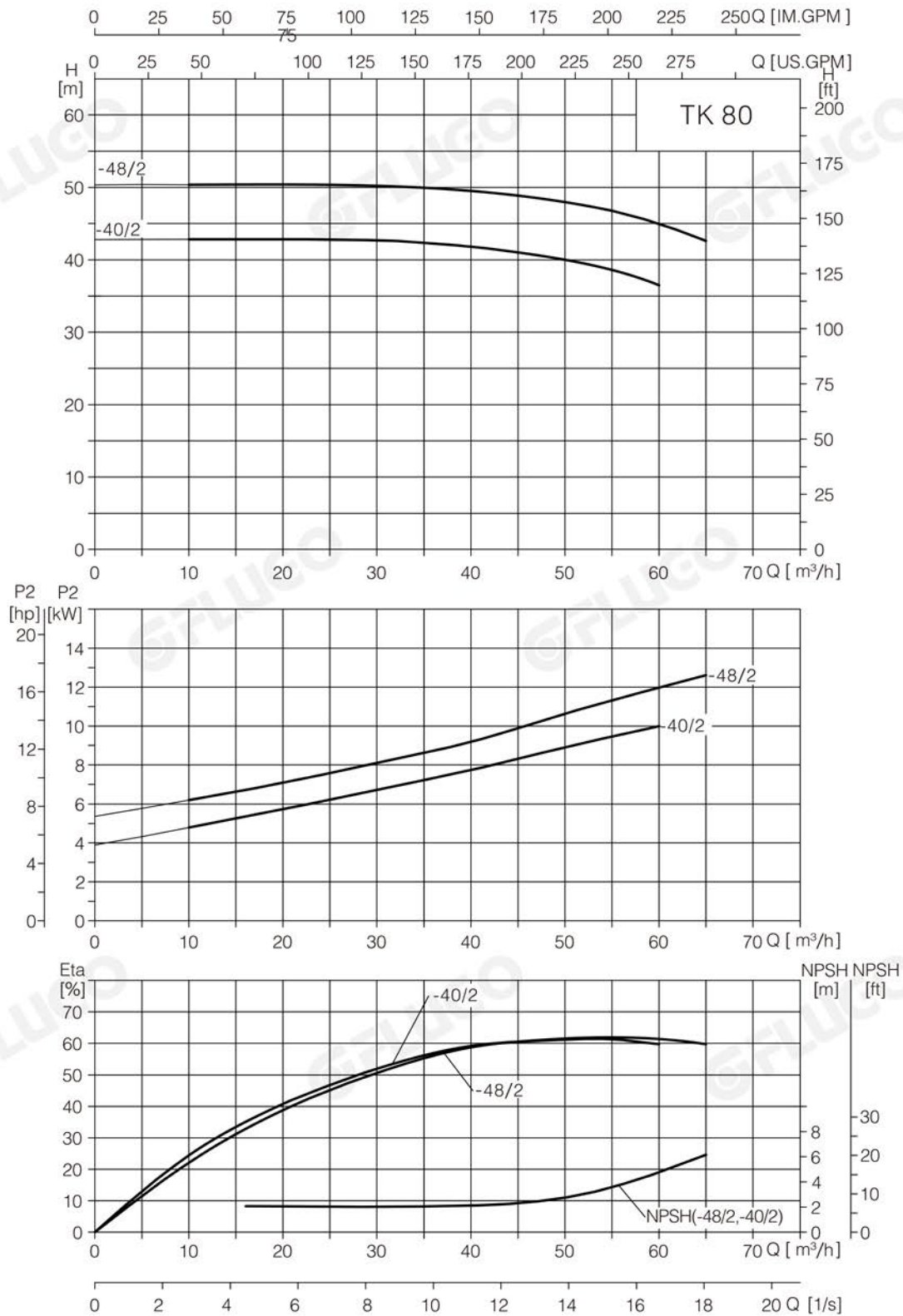
Pump model	Power		Q (m ³ /h)	10	20	30	40	50	60	65
	(kW)	(HP)		H (m)						
TK80-40/2	11	15	H (m)	42.8	42.8	42.7	41.8	40	36.5	
TK80-48/2	15	20		50.4	50.4	50.2	49.5	48	45	42.6

Installation dimensions and weight



Pump model	Dimension [mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK80-40/2	350	330	255	137	128	144	115	235	892	500	250	172
TK80-48/2	350	330	255	137	128	144	115	235	925	500	250	183

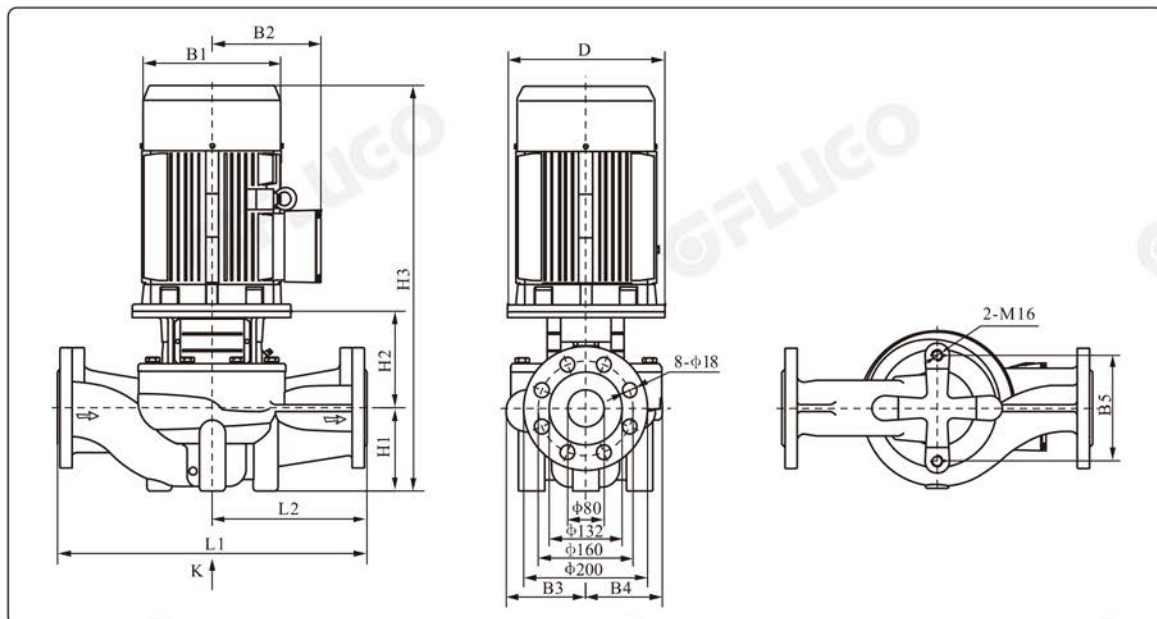
Performance curve



Performance data

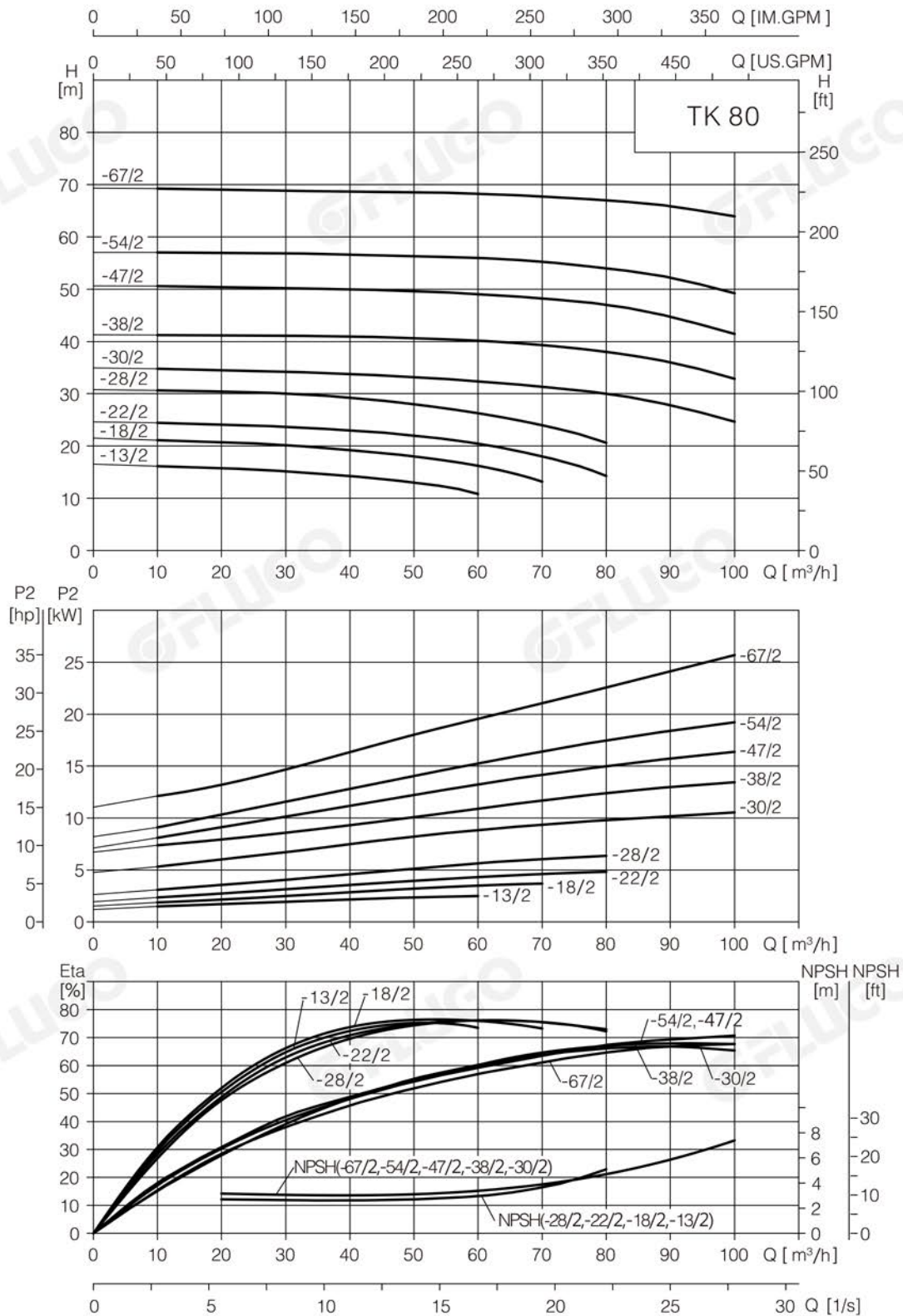
Pump model	Power		Q (m ³ /h)	10	20	30	40	50	60	70	80	90	100
	(kW)	(HP)											
TK80-13/2	3	4	H (m)	16.1	15.8	15.2	14.3	13	10.9				
TK80-18/2	4	5.5		21.1	20.8	20.2	19.2	18	16.2	13.2			
TK80-22/2	5.5	7.5		24.4	24.1	23.7	23	22	20.5	18	14.3		
TK80-28/2	7.5	10		30.6	30.4	30	29.3	28	26.3	24	20.6		
TK80-30/2	11	15		34.8	34.5	34.2	33.8	33.2	32.4	31.3	30	27.8	24.7
TK80-38/2	15	20		41.2	41.2	41.1	40.9	40.6	40.1	39.3	38	36	32.9
TK80-47/2	18.5	25		50.6	50.4	50	49.8	49.6	49.1	48.3	47	44.8	41.4
TK 80-54/2	22	30		57	57	56.8	56.6	56.3	56	55.3	54	52.2	49.2
TK80-67/2	30	40		69.2	69	68.8	68.7	68.6	68.3	67.8	67	65.9	63.9

Installation dimensions and weight



Pump model	Dimension[mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK80-13/2	160	197	165	142	124	160	97	243	654	450	225	64
TK80-18/2	160	230	188	142	124	160	97	243	675	450	225	72
TK80-22/2	200	260	208	142	124	160	97	263	770	450	225	90
TK80-28/2	200	260	208	142	124	160	97	263	770	450	225	100
TK80-30/2	350	330	255	182	163	144	115	274	931	500	250	184
TK80-38/2	350	330	255	182	163	144	115	274	964	500	250	192
TK80-47/2	350	330	255	182	163	144	115	274	964	500	250	208
TK 80-54/2	350	330	280	182	163	144	115	274	994	500	250	244
TK80-67/2	400	400	305	182	163	144	115	274	1054	500	250	302

Performance curve



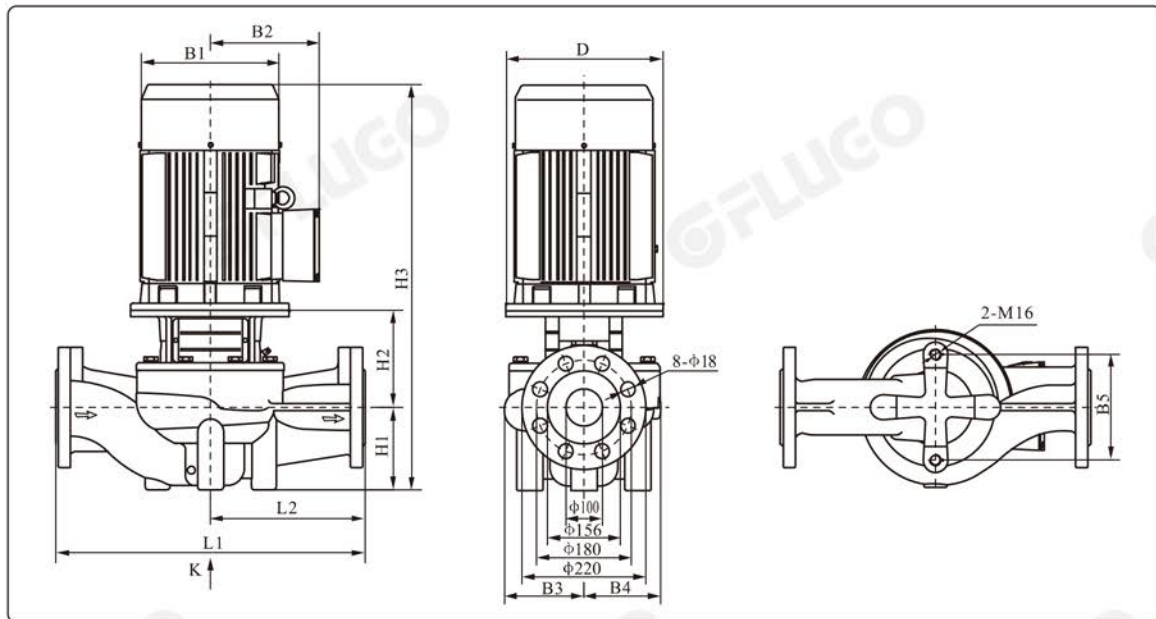
TK 100

VERTICAL IN-LINE PUMP

Performance data

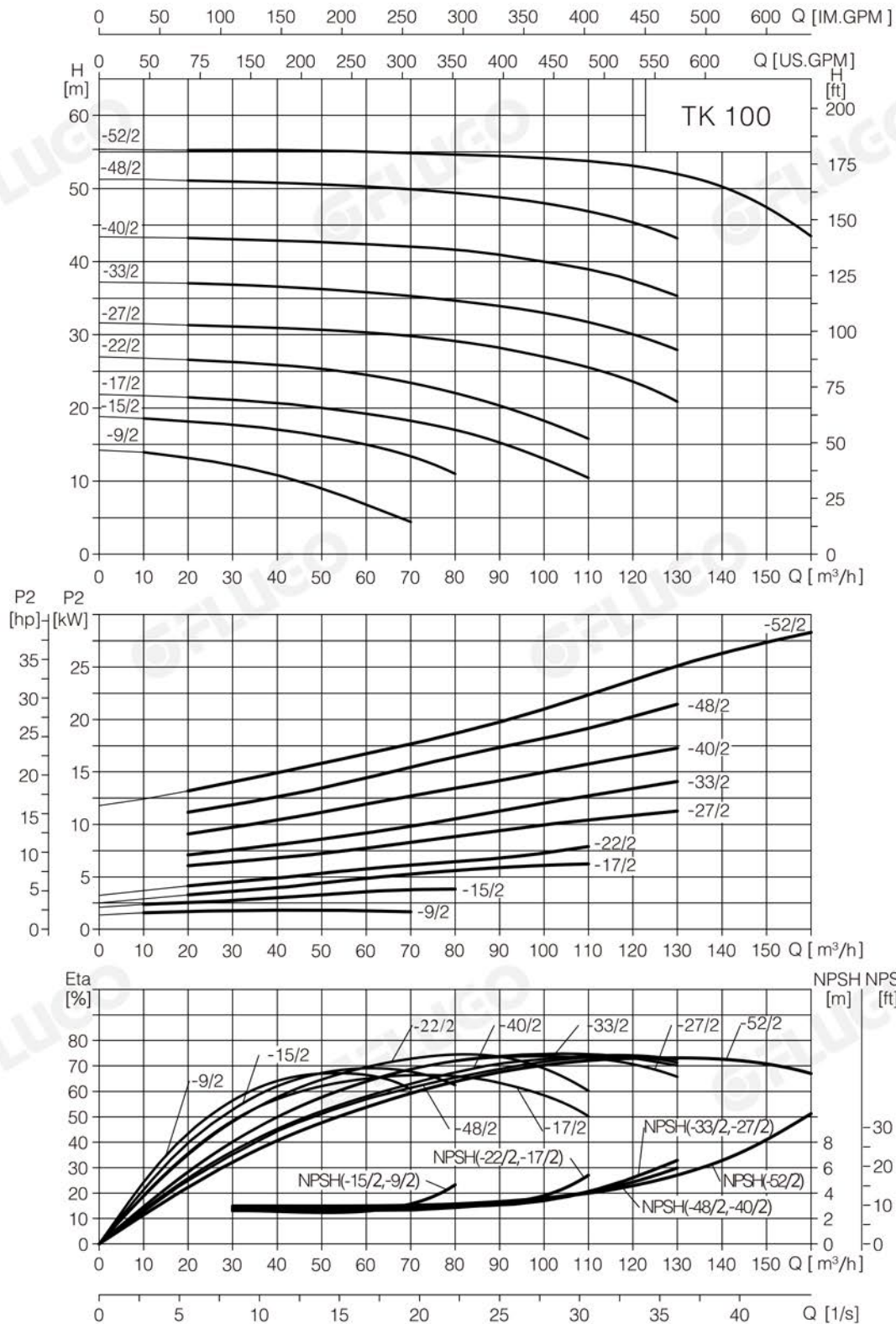
Pump model	Power		Q (m³/h)	10	20	30	40	50	60	70	80	90	100	110	120	130	145	160
	(kW)	(HP)																
TK100-9/2	2.2	3	H (m)	13.9	13.2	12.2	10.8	9	6.8	4.4								
TK100-15/2	4	5.5		18.6	18.2	17.7	17.1	16.2	15	13.4	11							
TK100-17/2	5.5	7.5		21.7	21.5	21.1	20.7	20	19.2	18.3	17	15.3	13	10.4				
TK100-22/2	7.5	10		26.8	26.6	26.3	25.9	25.3	24.5	23.4	22	20.3	18.2	15.8				
TK100-27/2	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		
TK100-33/2	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		
TK100-40/2	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		
TK100-48/2	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		
TK100-52/2	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 dimensions and weight



Pump model	Dimension [mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK100-9/2	140	175	155	134	101	160	105	211	609	450	225	54
TK100-15/2	160	215	190	134	101	160	105	212	652	450	225	70
TK100-17/2	200	260	205	150	117	144	140	237	787	500	250	98
TK100-22/2	200	260	205	150	117	144	140	237	787	500	250	106
TK100-27/2	350	350	255	147	123	144	140	252	934	550	275	184
TK100-33/2	350	350	255	147	123	144	140	252	967	550	275	194
TK100-40/2	350	350	255	181	152	230	140	266	981	550	275	216
TK100-48/2	350	350	280	181	152	230	140	266	1011	550	275	258
TK100-52/2	400	400	305	181	152	230	140	266	1071	550	275	312

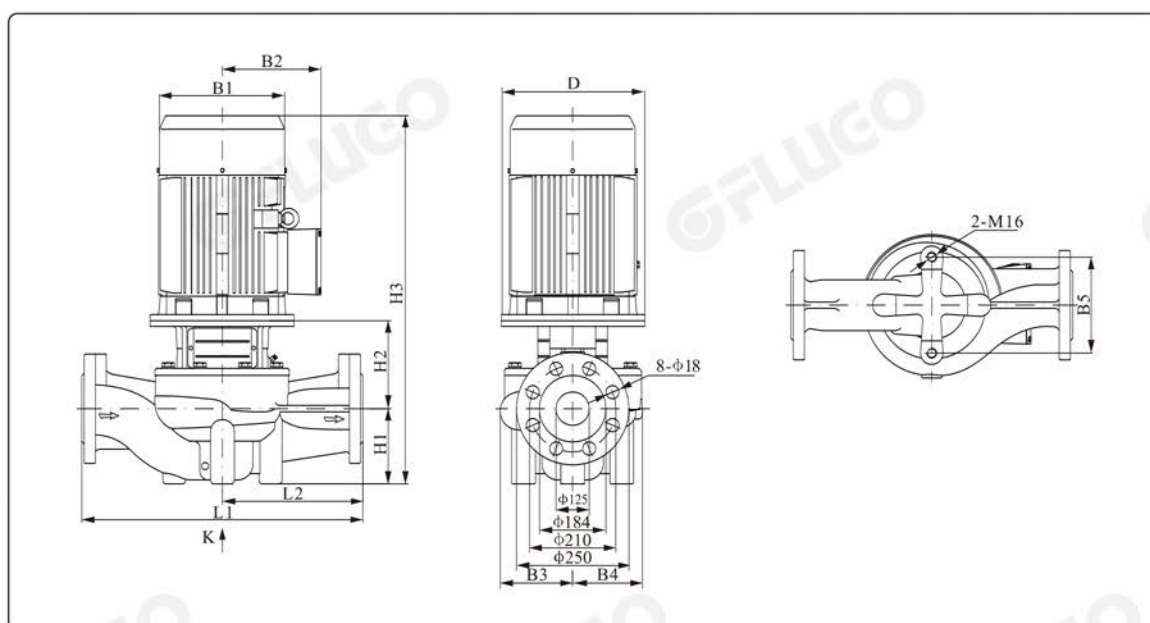
Performance curve



Performance data

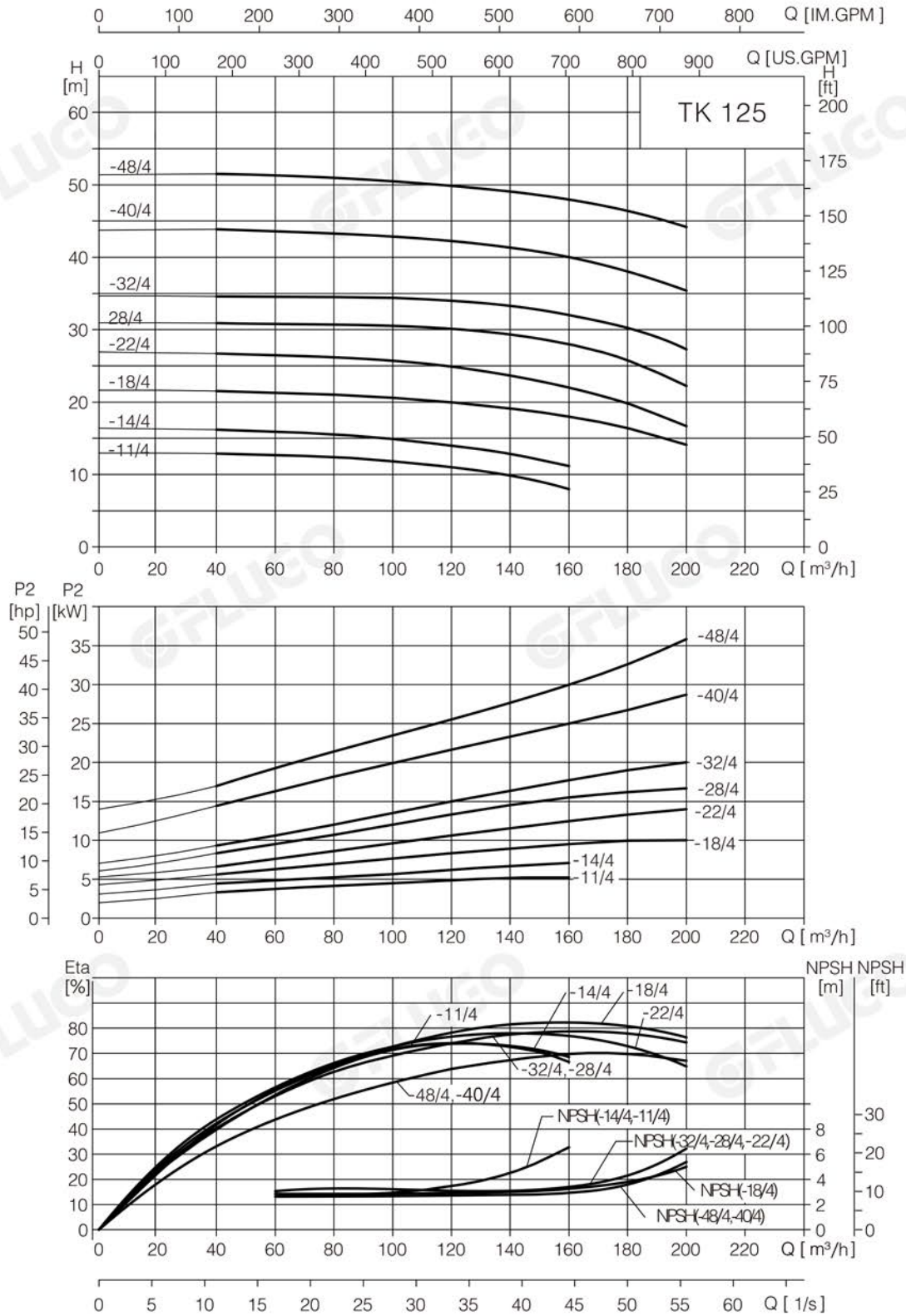
Pump model	Power		Q (m³/h)	40	60	80	100	120	140	160	180	200
	(kW)	(HP)										
TK125-11/4	5.5	7.5	H (m)	12.9	12.7	12.4	11.8	11	9.9	8		
TK125-14/4	7.5	10		16.2	15.9	15.5	14.9	14	12.8	11.2		
TK125-18/4	11	15		21.5	21.3	21	20.6	19.9	19.1	18	16.4	14.1
TK125-22/4	15	20		26.7	26.5	26.2	25.7	24.9	23.7	22	19.8	16.7
TK125-28/4	18.5	25		30.9	30.8	30.8	30.5	30.1	29.3	28	25.8	22.2
TK125-32/4	22	30		34.6	34.6	34.5	34.4	34	33.3	32	30.2	27.3
TK125-40/4	30	40		43.9	43.6	43.3	42.9	42.2	41.3	40	38	35.4
TK125-48/4	37	50		51.5	51.3	51	50.5	49.9	49.1	48	46.4	44.2

Installation dimensions and weight



Pump model	Dimension[mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK125-11/4	200	260	208	216	176	230	215	256	853	620	310	142
TK125-14/4	200	260	208	216	176	230	215	256	853	620	310	152
TK125-18/4	350	330	255	211	177	230	215	297	1016	800	400	258
TK125-22/4	350	330	255	236	208	230	215	297	1035	800	400	310
TK125-28/4	350	330	280	236	208	230	215	316	1079	800	400	350
TK125-32/4	350	330	280	236	208	230	215	316	1111	800	400	376
TK125-40/4	400	400	305	272	248	230	215	323	1188	800	400	462
TK125-48/4	450	450	335	272	248	230	215	323	1233	800	400	518

Performance curve



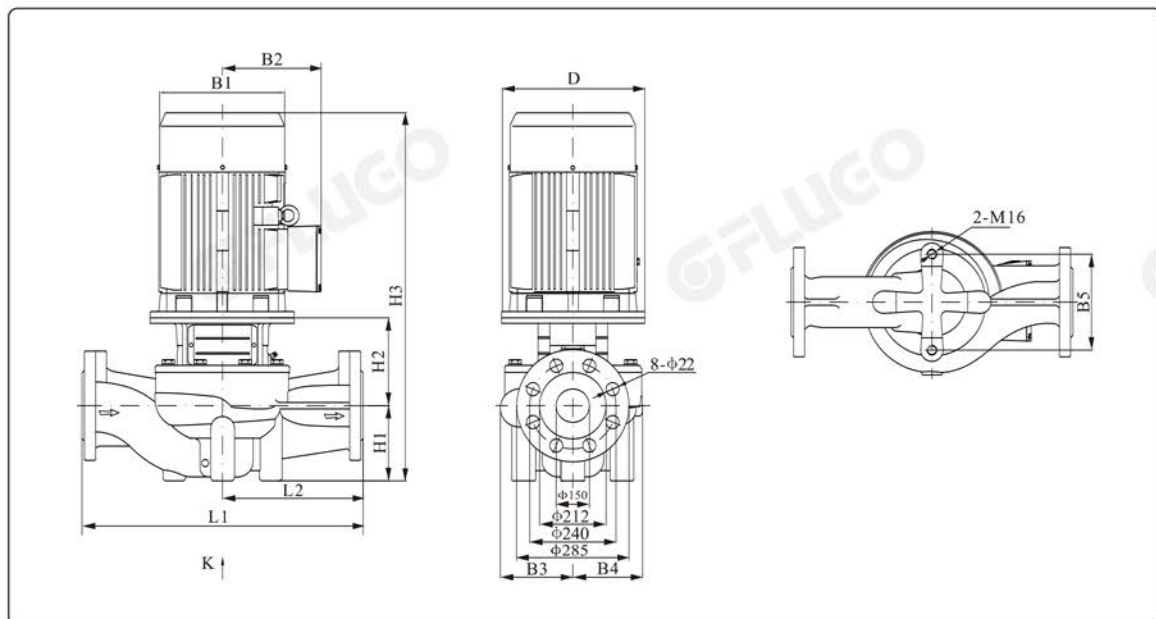
TK 150

VERTICAL IN-LINE PUMP

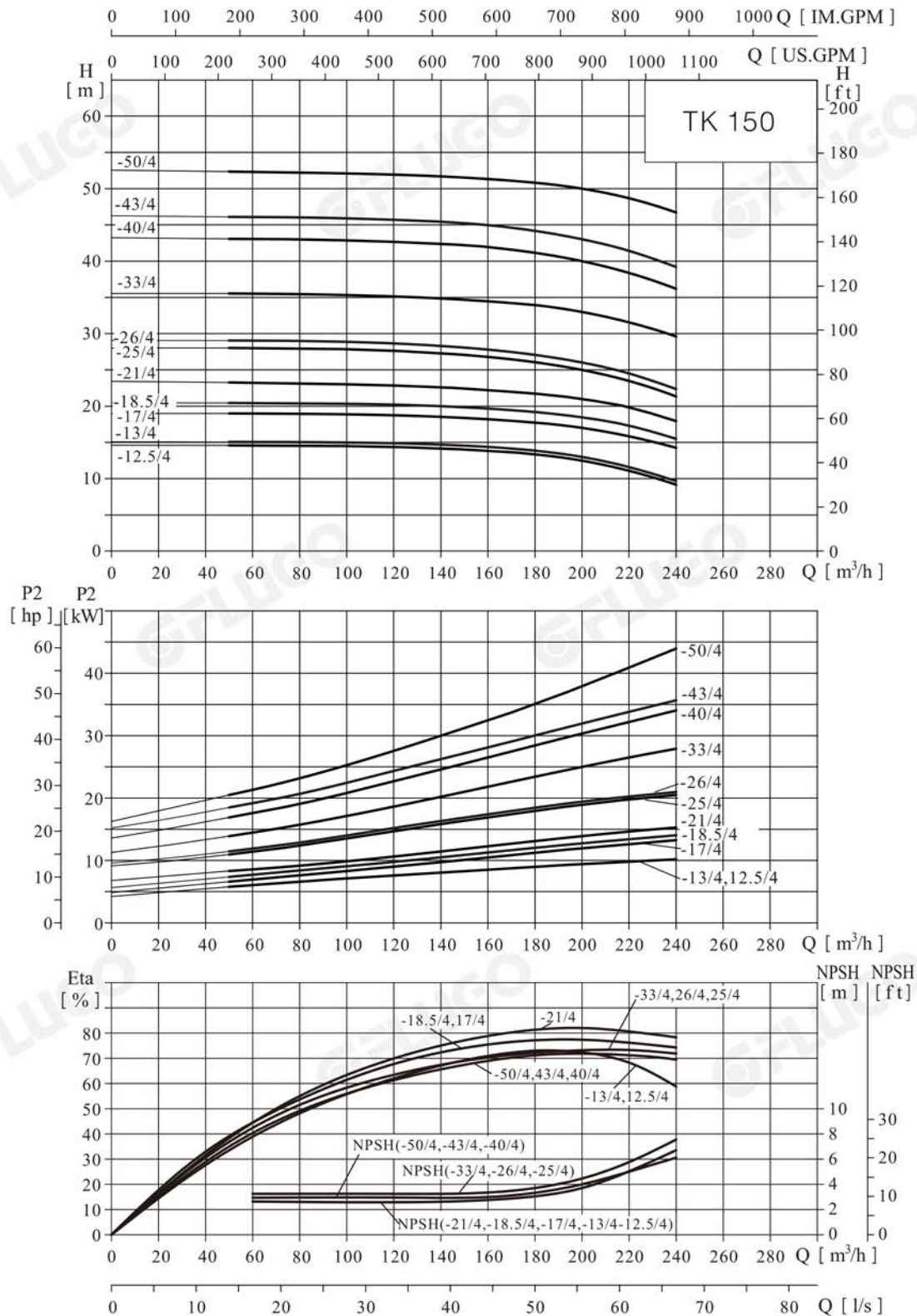
Performance data

Pump model	Power		Q (m³/h)	50	80	110	140	170	200	220	240
	(kW)	(HP)									
TK150-12.5/4	11	15	H (m)	14.6	14.5	14.4	14.2	13.7	12.5	11.1	9.2
TK150-13/4	11	15		15	15	14.9	14.7	14.2	13	11.6	9.8
TK150-17/4	15	20		18.8	18.8	18.7	18.5	18	17	16.1	15
TK150-18.5/4	15	20		20.4	20.3	20.2	20	19.5	18.5	17.6	16.6
TK150-21/4	18.5	25		23.3	23.1	22.9	22.6	22	21	19.8	17.9
TK150-25/4	22	30		28	28	27.8	27.3	26.5	25	23.5	21.3
TK150-26/4	22	30		29.1	29	28.8	28.3	27.5	26	24.5	22.4
TK150-33/4	30	40		35.5	35.4	35.2	34.8	34.2	33	31.5	29.6
TK150-40/4	37	50		43.1	43	42.8	42.4	41.6	40	38.4	36.2
TK150-43/4	37	50		46.2	46.1	45.9	45.5	44.6	43	41.4	39.3
TK150-50/4	45	60		52.4	52.2	52	51.7	51.1	50	48.7	46.7

Installation dimensions and weight



Pump model	Dimension[mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK150-12.5/4	350	315	255	217	180	230	215	293	1050	800	400	260
TK150-13/4	350	315	255	217	180	230	215	293	1050	800	400	260
TK150-17/4	350	315	255	217	180	230	215	293	1083	800	400	276
TK150-18.5/4	350	315	255	217	180	230	215	293	1083	800	400	277
TK150-21/4	350	360	280	217	180	230	215	293	1083	800	400	314
TK150-25/4	350	360	280	238	208	230	215	293	1113	800	400	372
TK150-26/4	350	360	280	238	208	230	215	293	1113	800	400	372
TK150-33/4	400	400	305	238	208	230	215	293	1208	800	400	430
TK150-40/4	450	450	335	267	248	230	230	323	1258	900	450	532
TK150-43/4	450	450	335	267	248	230	230	323	1258	900	450	533
TK150-50/4	450	450	335	267	248	230	230	323	1283	900	450	556



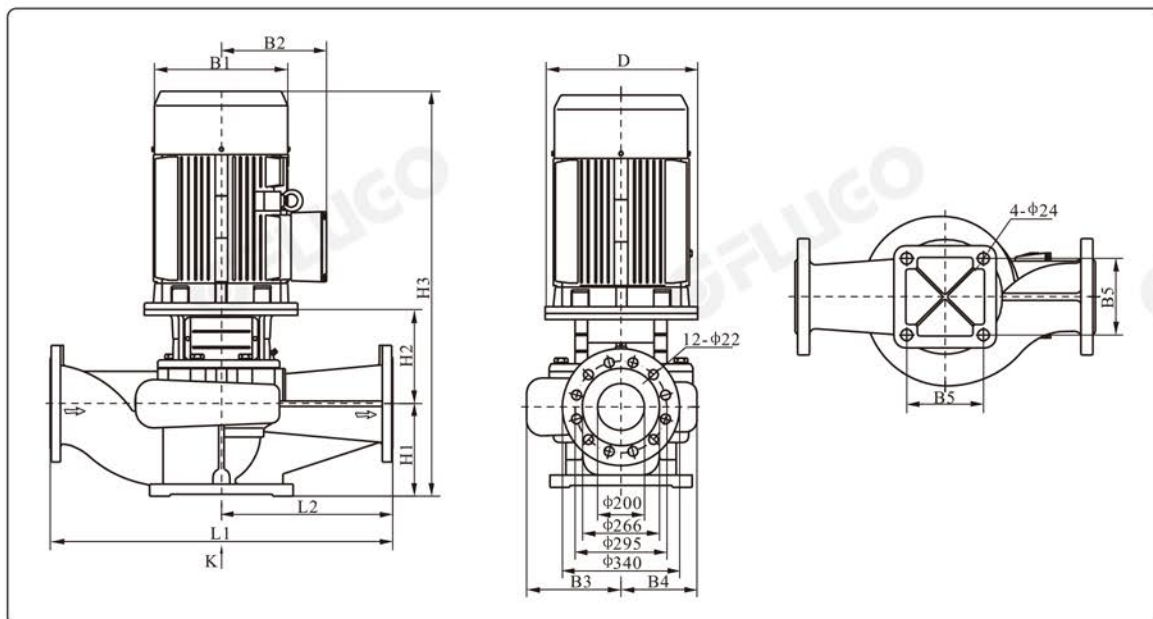
TK 200

VERTICAL IN-LINE PUMP

Performance data

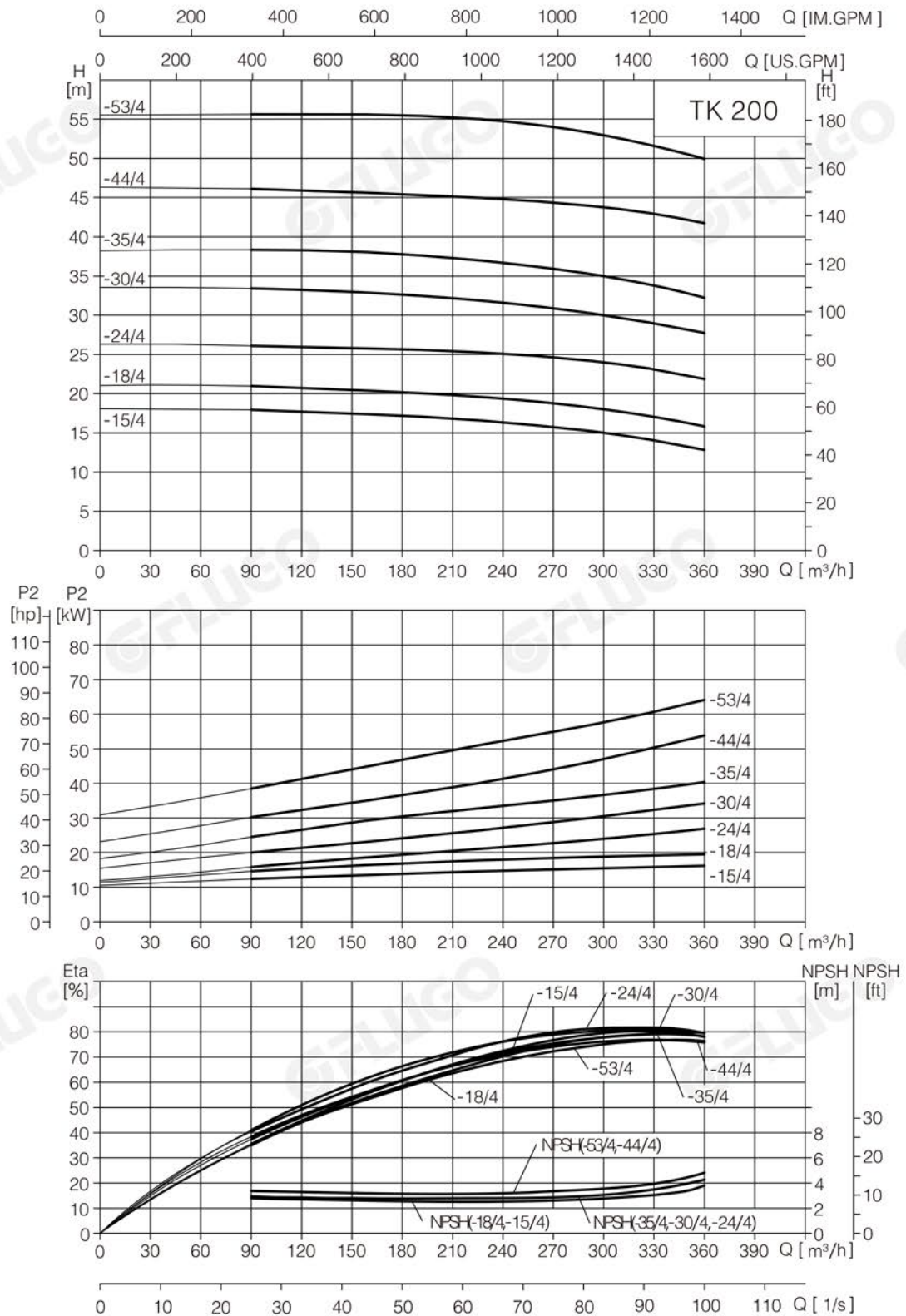
Pump model	Power		Q (m³/h)	90	120	150	180	210	240	270	300	330	360
	(kW)	(HP)											
TK200-15/4	18.5	25	H (m)	18	17.7	17.5	17.2	16.8	16.4	15.8	15	14.1	12.9
TK200-18/4	22	30		21	20.7	20.5	20.2	19.8	19.4	18.8	18	17.1	15.8
TK200-24/4	30	40		26.1	26	25.8	25.7	25.4	25.1	24.6	24	23.1	21.9
TK200-30/4	37	50		33.4	33.2	33	32.6	32.2	31.6	30.9	30	29	27.7
TK200-35/4	45	60		38.3	38.3	38.1	37.8	37.3	36.7	35.9	35	33.8	32.2
TK200-44/4	55	75		46.3	46.1	45.9	45.6	45.4	45	44.6	44	43.1	41.9
TK200-53/4	75	100		55.7	55.7	55.7	55.5	55.3	54.8	54	53	51.6	50

Installation dimensions and weight



Pump model	Dimension[mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK200-15/4	350	360	280	278	219	360	270	343	1188	1000	500	420
TK200-18/4	350	360	280	278	219	360	270	343	1218	1000	500	440
TK200-24/4	400	400	305	303	252	360	270	343	1313	1100	550	438
TK200-30/4	450	450	335	303	252	360	270	373	1348	1100	550	590
TK200-35/4	450	450	335	303	252	360	270	373	1373	1100	550	630
TK200-44/4	550	490	370	315	269	360	270	388	1423	1100	550	768
TK200-53/4	550	550	410	315	269	360	270	388	1486	1100	550	902

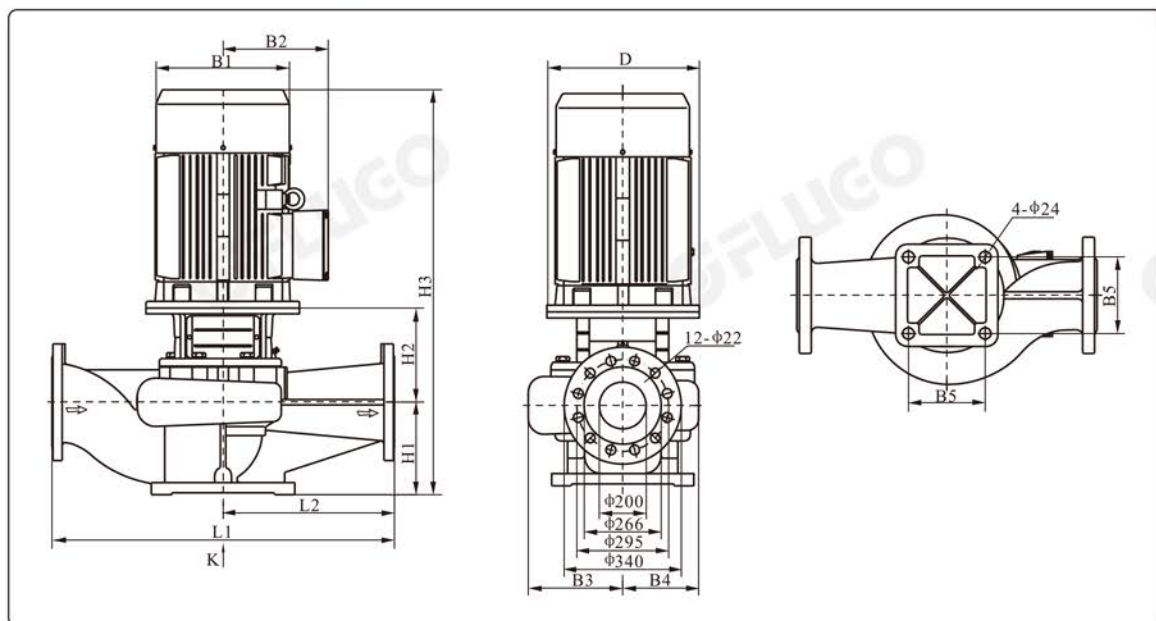
Performance curve



Performance data

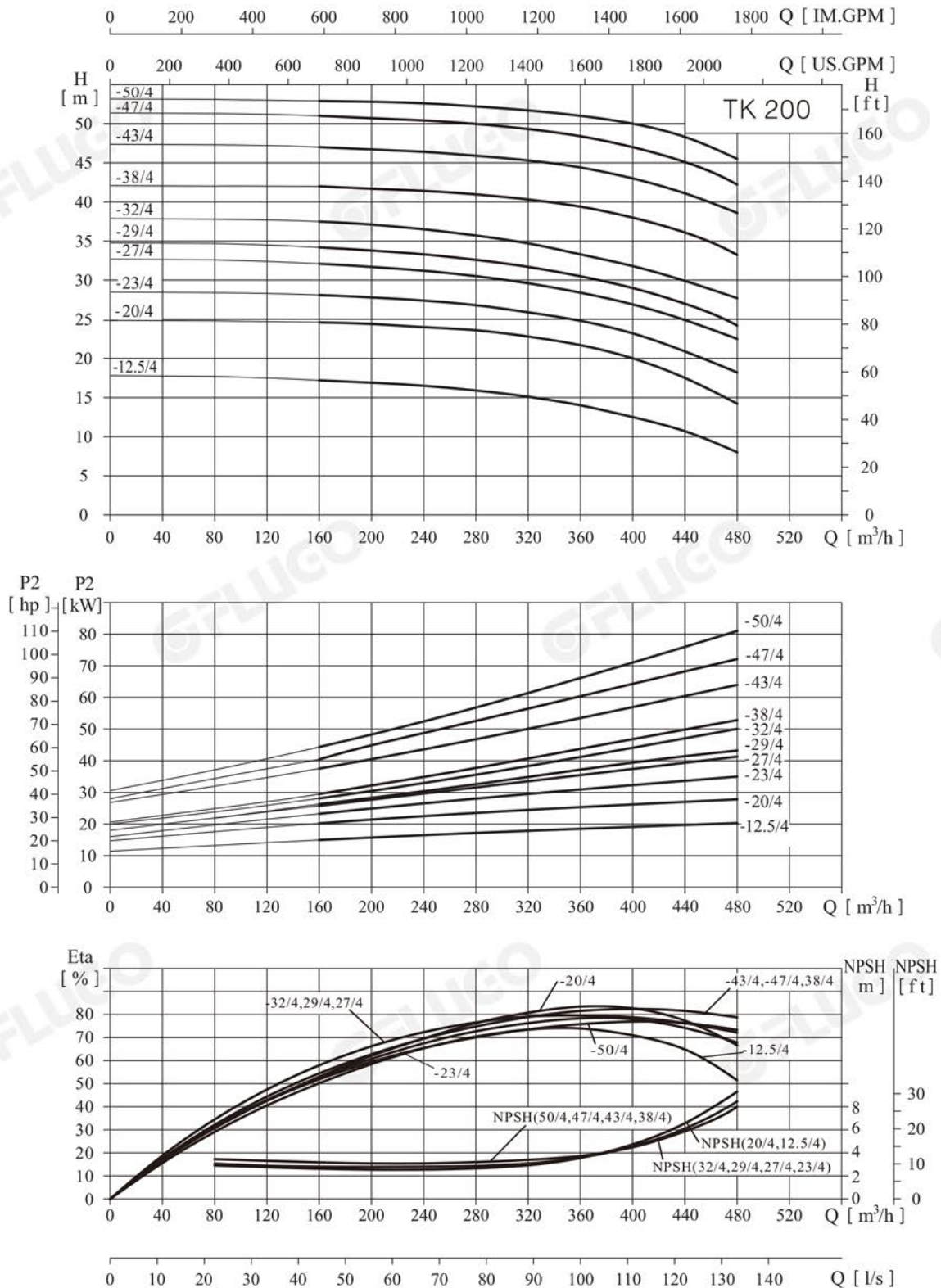
Pump model	Power		Q (m³/h)	160	200	240	280	320	360	400	440	480
	(kW)	(HP)										
TK200-12.5/4	22	30	H (m)	17.2	16.9	16.5	15.9	15.1	14	12.5	10.7	8
TK200-20/4	30	40		24.6	24.4	24	23.6	22.8	21.7	20	17.5	14.2
TK200-23/4	37	50		28.1	27.8	27.4	26.8	25.9	24.8	23	20.9	18.2
TK200-27/4	45	60		32.1	31.7	31.2	30.5	29.6	28.4	27	24.9	22.5
TK200-29/4	45	60		34.1	33.8	33.2	32.5	31.6	30.4	29	27	24.2
TK200-32/4	55	75		37.5	37.1	36.5	35.7	34.7	33.3	32	29.9	27.7
TK200-38/4	55	75		42.1	42.1	41.9	41.5	40.8	39.9	38	36.7	34.3
TK200-43/4	75	100		47	46.7	46.4	45.9	45.3	44.4	43	41.1	38.6
TK200-47/4	75	100		51.3	51.2	51	50.7	50.1	49.1	47	45.1	42.1
TK200-50/4	90	120		52.9	52.8	52.6	52.2	51.7	51	50	48.3	45.5

Installation dimensions and weight



Pump model	Dimension[mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK200-12.5/4	350	360	280	278	219	360	270	415	1285	1000	500	432
TK200-20/4	400	400	305	278	219	360	270	415	1335	1000	500	492
TK200-23/4	450	450	335	303	252	360	270	445	1395	1100	550	602
TK200-27/4	450	450	335	303	252	360	270	445	1420	1100	550	630
TK200-29/4	450	450	335	303	252	360	270	445	1420	1100	550	638
TK200-32/4	550	490	365	303	252	360	270	445	1505	1100	550	710
TK200-38/4	550	490	365	315	269	360	270	457	1522	1100	550	735
TK200-43/4	550	550	410	315	269	360	270	457	1587	1100	550	880
TK200-47/4	550	550	410	315	269	360	270	457	1587	1100	550	883
TK200-50/4	550	550	410	315	269	360	270	457	1637	1100	550	975

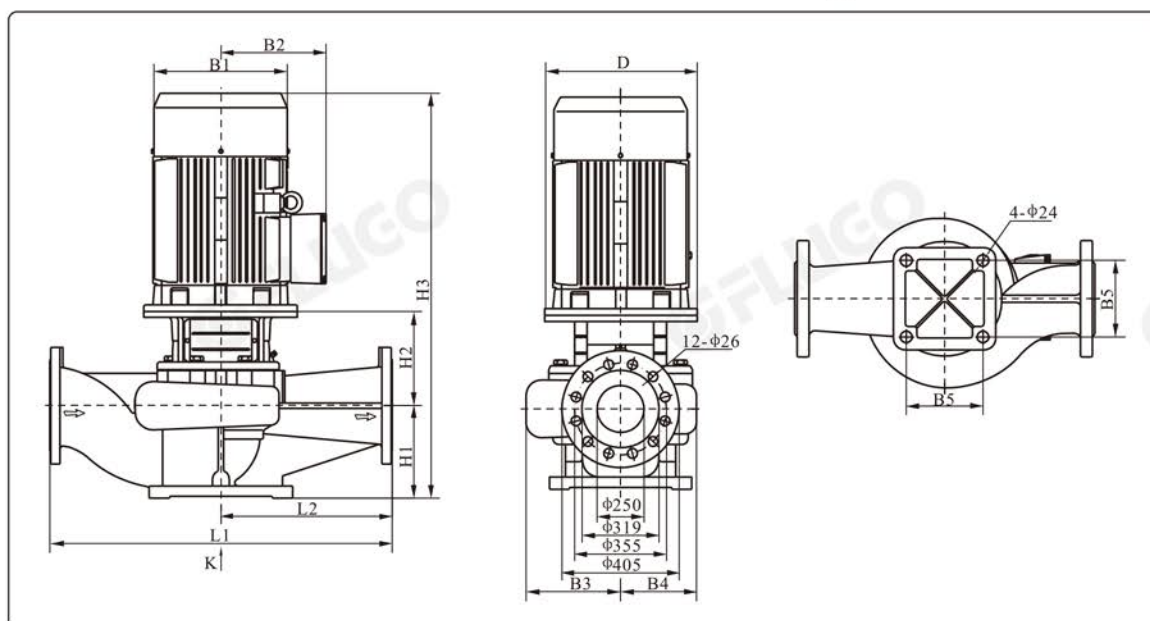
Performance curve



Performance data

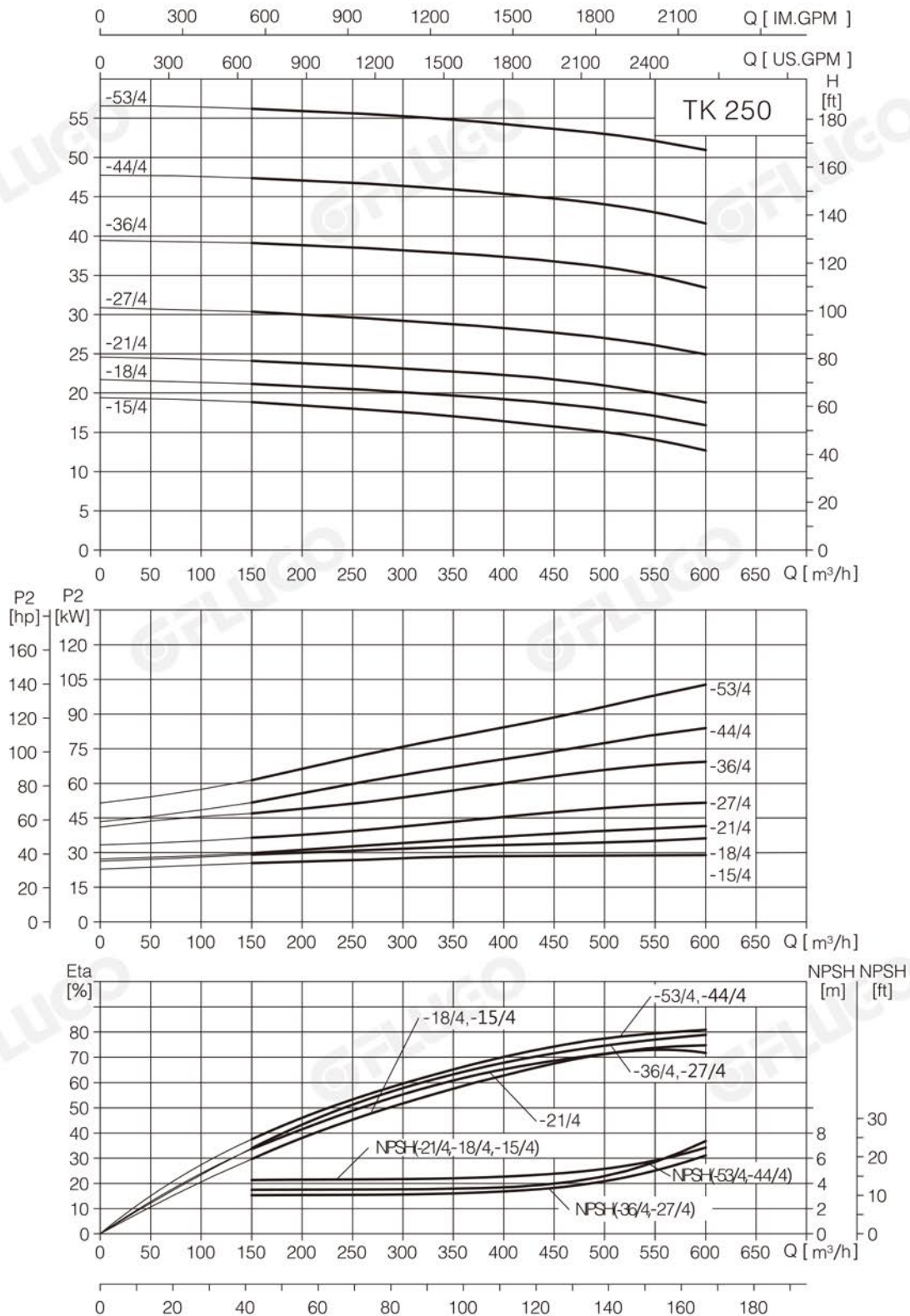
Pump model	Power		Q (m³/h)	H (m)	150	200	250	300	350	400	450	500	550	600
	(kW)	(HP)												
TK250-15/4	30	40	18.8		18.4	18	17.6	17.1	16.4	15.8	15	14.1	12.7	
TK250-18/4	37	50	21.2		20.9	20.5	20.1	19.7	19.2	18.7	18	17.1	15.9	
TK250-21/4	45	60	24.1		23.8	23.5	23.1	22.8	22.3	21.8	21	20	18.8	
TK250-27/4	55	75	30.3		30	29.6	29.2	28.8	28.3	27.7	27	26.1	24.9	
TK250-36/4	75	100	39.1		38.8	38.5	38.2	37.8	37.3	36.8	36	35	33.4	
TK250-44/4	90	120	47.4		47.1	46.8	46.4	45.9	45.4	44.8	44	43	41.6	
TK250-53/4	110	150	56.2	55.9	55.6	55.3	54.8	54.3	53.7	53	52.1	50.9		

Installation dimensions and weight



Pump model	Dimension [mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK250-15/4	400	400	305	316	243	390	300	393	1393	1100	550	564
TK250-18/4	450	450	335	316	243	390	300	423	1428	1100	550	636
TK250-21/4	450	450	335	316	243	390	300	423	1453	1100	550	660
TK250-27/4	550	490	365	329	264	440	300	438	1503	1100	550	802
TK250-36/4	550	550	370	329	264	440	300	438	1568	1100	550	949
TK250-44/4	550	550	410	347	292	440	305	461	1646	1200	600	1065
TK250-53/4	660	625	530	347	292	440	305	461	1826	1200	600	1292

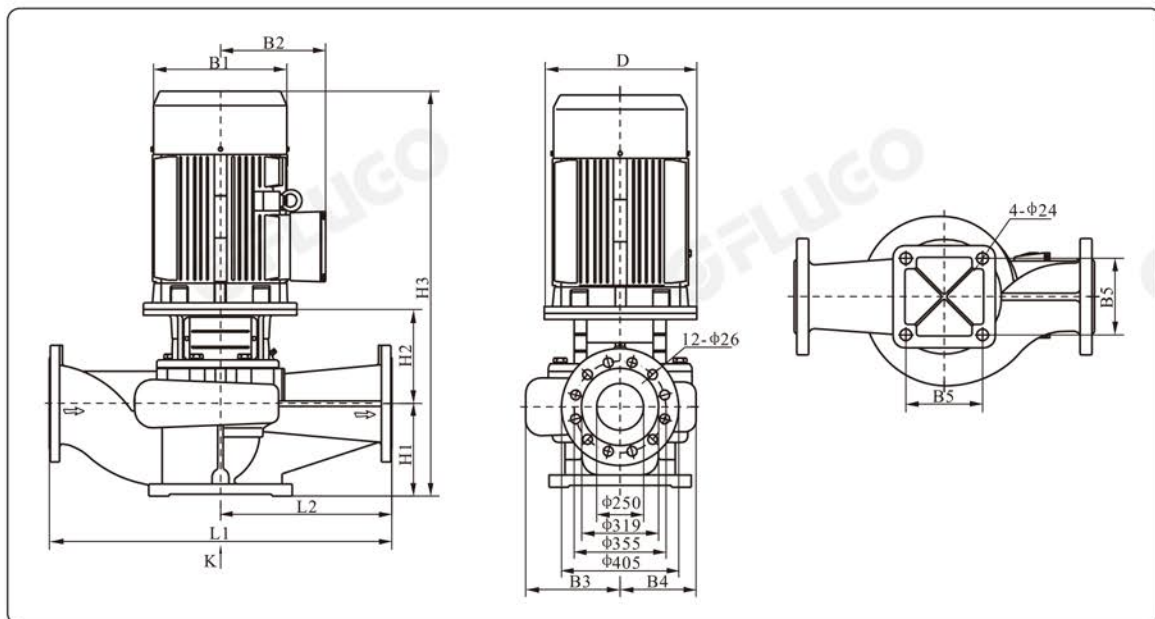
Performance curve



Performance data

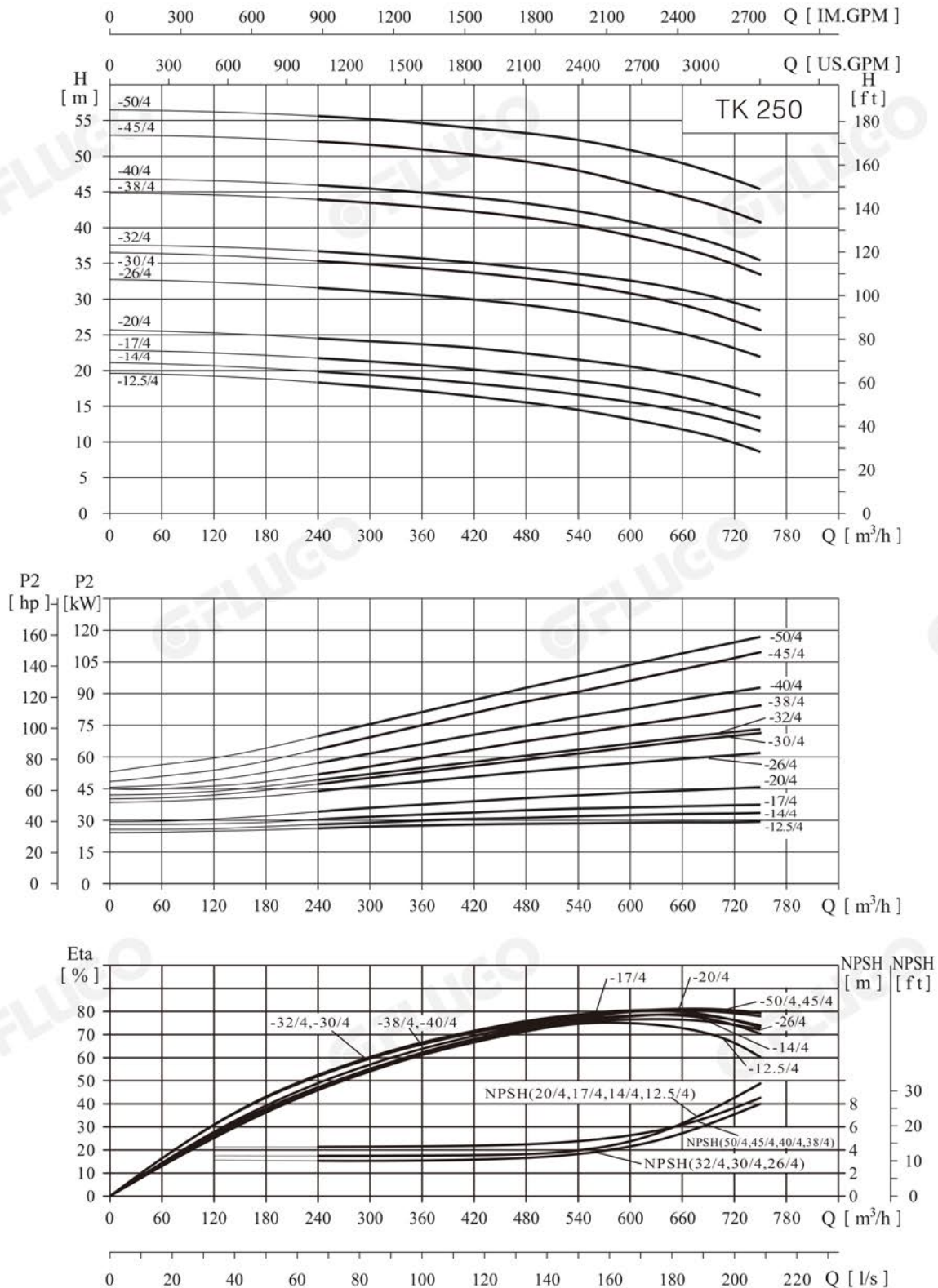
Pump model	Power		Q (m³/h)	240	300	360	420	480	540	600	630	660	720	750
	(kW)	(HP)												
TK250-12.5/4	30	40	H (m)	18.3	17.9	17.2	16.4	15.5	14.5	13.2	12.5	11.8	9.9	8.7
TK250-14/4	37	50		19.9	19.5	18.9	18.2	17.5	16.6	15.6	14	13.4	12.6	11.5
TK250-17/4	45	60		21.7	21.3	20.8	20.1	19.4	18.6	17.6	17	16.3	14.4	13.3
TK250-20/4	55	75		24.4	24.1	23.7	23.1	22.4	21.5	20.5	20	19.3	17.6	16.4
TK250-26/4	75	100		31.7	31.1	30.6	29.9	29.1	28.2	26.8	26	25.2	23.1	21.9
TK250-30/4	75	100		34.5	34.3	33.7	33.2	32.3	31.6	30.6	30	29.3	27.5	26.3
TK250-32/4	90	120		36.6	36.3	35.7	35.1	34.3	33.5	32.6	32	31.3	29.5	28.3
TK250-38/4	90	120		44.4	43.2	42.8	41.7	41	40.1	38.8	38	37	35.5	34.2
TK250-40/4	110	150		46	45.5	44.9	44.2	43.4	42.3	40.8	40	39.1	36.8	35.5
TK250-45/4	110	150		53.3	51.3	50.6	50	49.2	48.1	46.6	45	44.2	43.5	41
TK250-50/4	132	175		55.5	55.2	54.6	53.9	53.2	52.3	50.9	50	49	46.7	45.3

Installation dimensions and weight



Pump model	Dimension [mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK250-12.5/4	400	400	305	315	242	390	300	393	1393	1100	550	563
TK250-14/4	450	450	335	315	242	390	300	423	1428	1100	550	635
TK250-17/4	450	450	335	315	242	390	300	423	1453	1100	550	659
TK250-20/4	550	490	370	315	242	390	300	423	1503	1100	550	759
TK250-26/4	550	550	410	328	263	440	300	438	1568	1100	550	948
TK250-30/4	550	550	410	328	263	440	300	438	1568	1100	550	948
TK250-32/4	550	550	410	328	263	440	300	438	1618	1100	550	1017
TK250-38/4	550	550	410	346	291	440	305	461	1646	1200	600	1063
TK250-40/4	660	625	530	346	291	440	305	461	1826	1200	600	1290
TK250-45/4	660	625	530	346	291	440	305	461	1826	1200	600	1293
TK250-50/4	660	625	530	346	291	440	305	461	1946	1200	600	1400

Performance curve



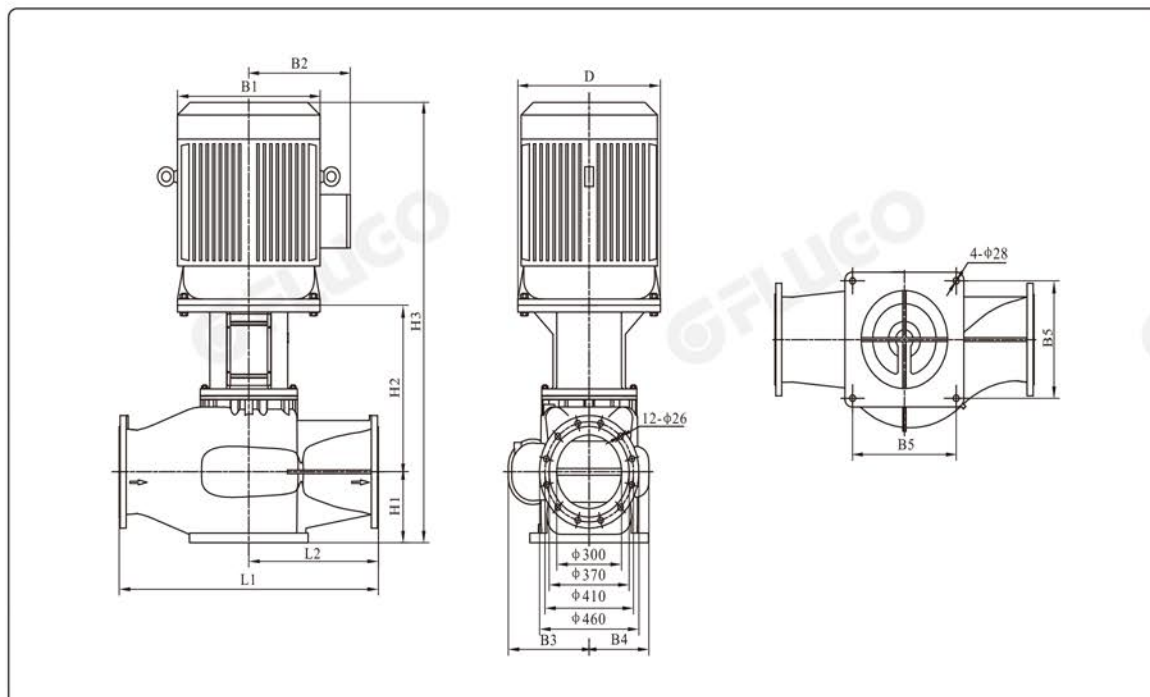
TK 300

VERTICAL IN-LINE PUMP

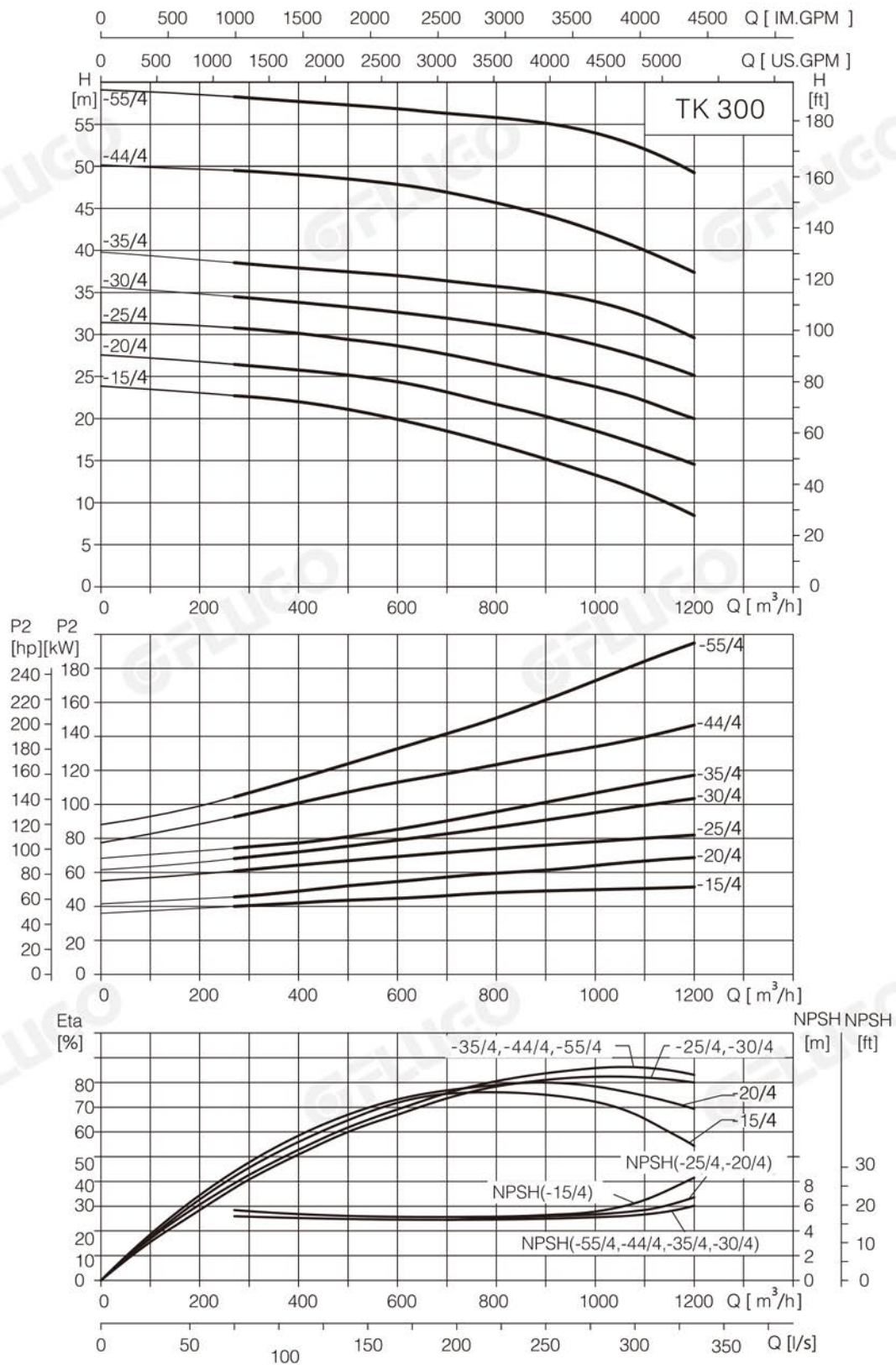
Performance data

Pump model	Power		Q (m ³ /h)	270	360	450	630	750	900	1080	1200
	(kW)	(HP)									
TK300-15/4	55	75	H (m)	22.7	22.3	21.6	19.5	17.8	15	11.6	8.5
TK300-20/4	75	100		26.4	26	25.5	24.1	22.4	20	17.1	14.5
TK300-25/4	90	120		30.8	30.4	29.8	28.2	27.1	25	22.5	20
TK300-30/4	110	150		34.5	34	33.5	32.4	31.6	30	27.5	25
TK300-35/4	132	175		38.6	38.1	37.8	36.9	36	35	32.6	29.6
TK300-44/4	160	215		49.5	49.2	48.8	47.6	46.3	44	40.5	37.5
TK300-55/4	200	270		58.2	57.9	57.6	56.7	56.1	55	52.5	49.2

Installation dimensions and weight



Pump model	Dimension[mm]											Weight [kg]
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
TK300-15/4	550	490	365	345	250	440	290	649	1720	1200	600	907
TK300-20/4	550	550	400	345	250	440	290	649	1770	1200	600	1075
TK300-25/4	550	550	400	380	280	480	290	659	1850	1200	600	1230
TK300-30/4	660	625	550	380	280	480	290	699	2000	1200	600	1570
TK300-35/4	660	625	550	380	280	480	290	699	2150	1200	600	1650
TK300-44/4	660	625	550	380	280	480	290	702	2150	1200	600	1790
TK300-55/4	660	625	550	380	280	480	290	702	2150	1200	600	1905





Authorized Distributor

Vertical In-Line Pump