

MCKARLEN

Vertical in-line single stage centrifugal pump

VIS



***VERTICAL IN-LINE
SINGLE STAGE
CENTRIFUGAL PUMP***



VIS

VERTICAL IN-LINE SINGLE STAGE CENTRIFUGAL PUMP

THE RIGHT SOLUTION FOR COMMERCIAL BUILDING AND INDUSTRY

STRUCTURE DESIGNED

The VIS pump is a new legislation Single-stage centrifugal pumps, apply in the high building pressurized transport water, can solve the pipeline pressure too low problem. It have great advantages compared with current horizontal centrifugal pump. Due to use advanced mechanical seal and motor mail shaft connected impeller directly, so it have many advantage. Such as less leakage, high efficiency, low power consumption, compact structure, small size, light weight, conveniently maintain and so on.

The VIS pump is mainly used in high buildings, garden irrigation, pipeline pressurisation, hot and cold water circulation, Flammable liquids and corrosive liquids transportation and varieties of boilers, supply water, HVAC, chemical, all oil pipeline equipment.

STRUCTURE DESIGNED

The VIS pump is applicable for central air conditioning system (chiller pump & cooling tower pump), water distribution, boiler feed water, condensate water, cooling and cutting lubrication also for industry (chemical, pharmaceutical & processing).

The liquid used in the pump should be cleaned, non corrosive, non flammable & non explosive which shall not contain any solid grain and fibre that might damage the mechanical seal and other components.

Specifications can be changed without notice



11KW and above



11-18.5KW

TECHNICAL DATA

MATERIAL

Pump body: Cast Iron
Impeller: Cast Iron (standard) / Bronze or Stainless Steel (option)
Pump Head: Cast Iron
Mechanical seal: Carbon/ Silicon carbide
Shaft: Stainless steel
Coupling: Cast Iron

OPERATIONAL

Capacity : 5 m³/hr to 1000 m³/hr
Head : 9 Bar
Inlet & outlet diameter : 32 mm to 300 mm
Working pressure : PN 12 Bar (Standard)/
PN 16 Bar (Option)
Operational speed : 50Hz, 1450 Rpm or 2900 Rpm
60Hz, 1750 Rpm or 3500 Rpm
Liquid : Clean water, non corrosive,
Non flammable, non explosive
pH Liquid : 6 to 8
Temperature : -15°C to 110°C

INSTALLATION PROCESS

Making two ends flange of the pump body connected pipeline flange better with rubber gasket ring and bolt, so finished installation. For convenient to usage and maintain, should install adjusting valve on inlet and outlet pipeline.

- ~ Open inlet adjusting valve, liquid go to into pump, so keeping the seal chamber full of liquid (or will damage seal). Closed outlet valve.
- ~ Connected power supply, push begin button and insure correct round.
- ~ Confirmed correct round, making pump start working.
- ~ Adjust outlet valve, making pump working based on design point nearly, according to pump rated capacity and head nearly (so better to install a pressure gauge).

Warning : Stopping pump working when lack of liquid, avoid damage seal spares.

TECHNICAL DATA

Account											
Discharge	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Connection	Connection										
Pwoer (kW)	1.1~5.5	1.1~7.5	3~22	2.2~30	3~30	2.2~30	5.5~37	11~45	18.5~90	30~132	55~200
Applications	Applications										
Liquid Quality	Clear water										
Liquid Temperature(C)	2~115										
Technical data	Technical data										
Max.pressure (bar)	5	4.8	8.1	8.5	6.7	5.2	4.8	5.0	5.3	5.6	5.5
Flow range (m³/h)	5.5~16.2	8.5~32.5	8.5~65	17.5~65	24.5~136.5	35~169	84~208	140~260	210~520	350~630	630~1170
Inlet size (mm)	32	40	50	65	80	100	125	150	200	250	300
outlet size (mm)	32	40	50	65	80	100	125	150	200	250	300
Coil Insulation Grade	F										
IP Class	IP55										
Weight (kg)	34~84	32~94	64~256	48~322	63~324	56~336	140~521	260~570	417~975	550~1473	907~1905
Material	Material										
Pump body	Cast iron										
Impeller	Cast iron, Stainless steel										
Shaft	Stainless steel										
Mechanical seal	CA-SIC+HNBR										

TECHNICAL DATA

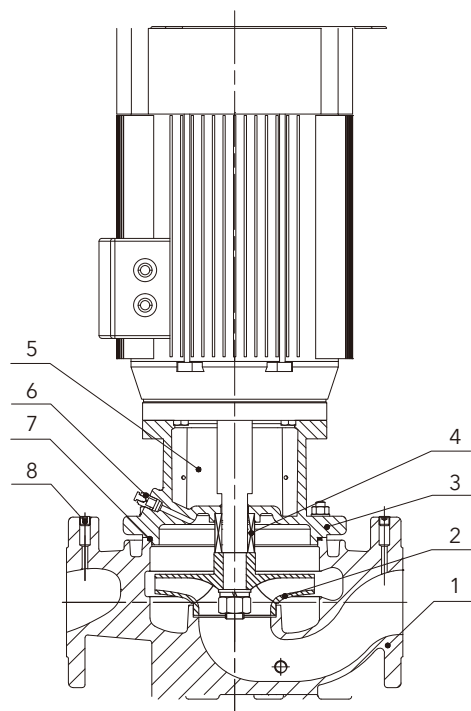
Corresponding dimensions for all series flanges GB/T17241.2-1998
Standard PN 10 bar, Option PN 16 bar

PN 10 bar (10kg)				
Nominal diameter	Flange outer diameter	Bolt spacing	Number of bolt hole	Bolt specification
DN10	90	60	4	M12
DN15	95	65	4	M12
DN20	105	75	4	M12
DN25	115	85	4	M12
DN32	140	100	4	M16
DN40	150	110	4	M16
DN50	165	125	4	M16
DN65	185	145	4	M16
DN80	200	160	8	M16
DN100	220	180	8	M16
DN125	250	210	8	M16
DN150	285	240	8	M20
DN200	340	295	8	M20
DN250	395	350	12	M20
DN300	445	400	12	M20

PN 16 bar (16kg)				
Nominal diameter	Flange outer diameter	Bolt spacing	Number of bolt hole	Bolt specification
DN10	90	60	4	M12
DN15	95	65	4	M12
DN20	105	75	4	M12
DN25	115	85	4	M12
DN32	140	100	4	M16
DN40	150	110	4	M16
DN50	165	125	4	M16
DN65	185	145	4	M16
DN80	200	160	8	M16
DN100	220	180	8	M16
DN125	250	210	8	M16
DN150	285	240	8	M20
DN200	340	295	8	M20
DN250	405	355	12	M24
DN300	460	410	12	M24

Specifications can be changed without notice

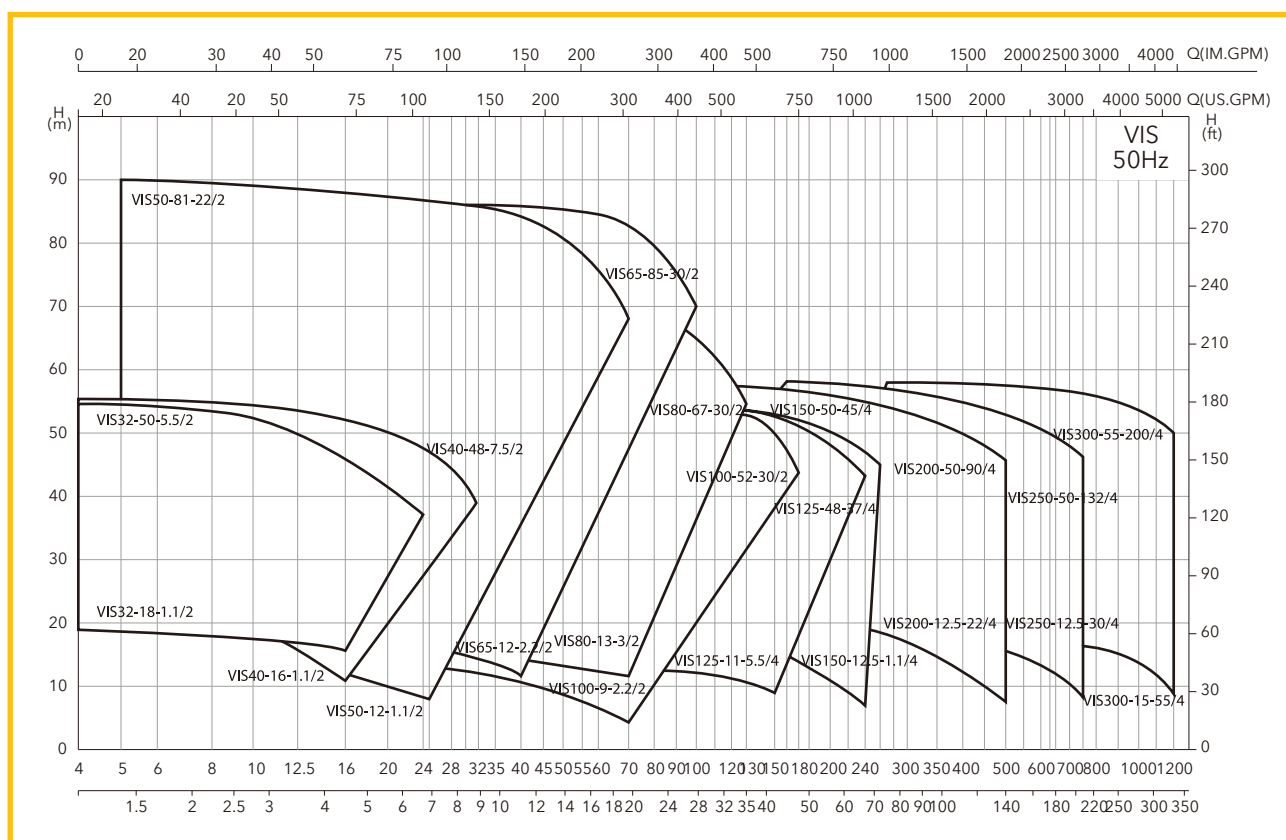
STRUCTURE



DP32~DP100 One bearing MATERIAL

No.	Part name	Material
1	Pump body	Cast iron HT200
2	Impeller	Cast iron/Stainless steel HT 200/ZG7Cr19Ni9
3	Pump casing	Cast iron HT200
4	Mechanical seal	Graphite/silicon carbide
5	n. protective plate	Stainless steel 06Cr19Ni10
6	Air vent	Stainless steel 06Cr19Ni10
7	"O" ring	EPDM EODM
8	Welch plug	Stainless steel 06Cr19Ni10

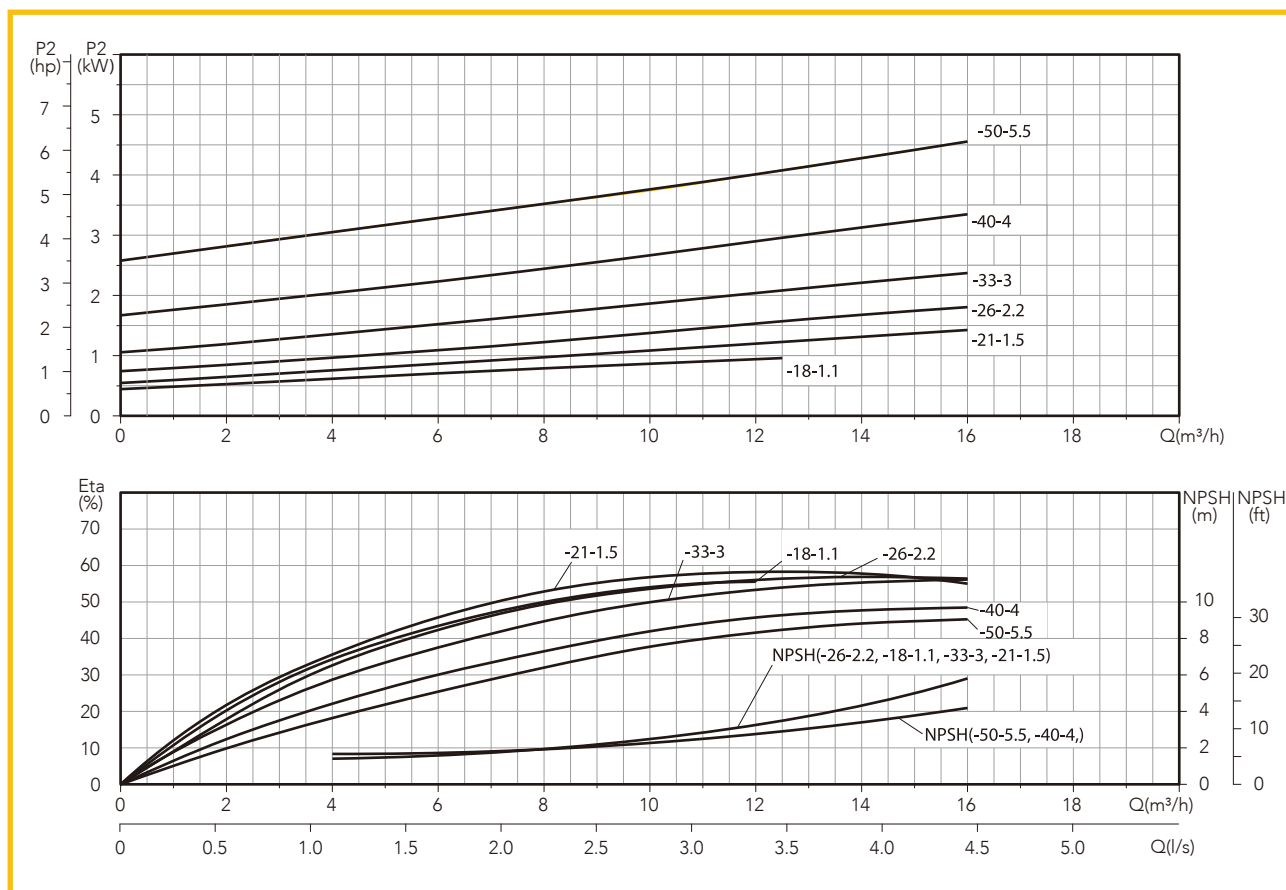
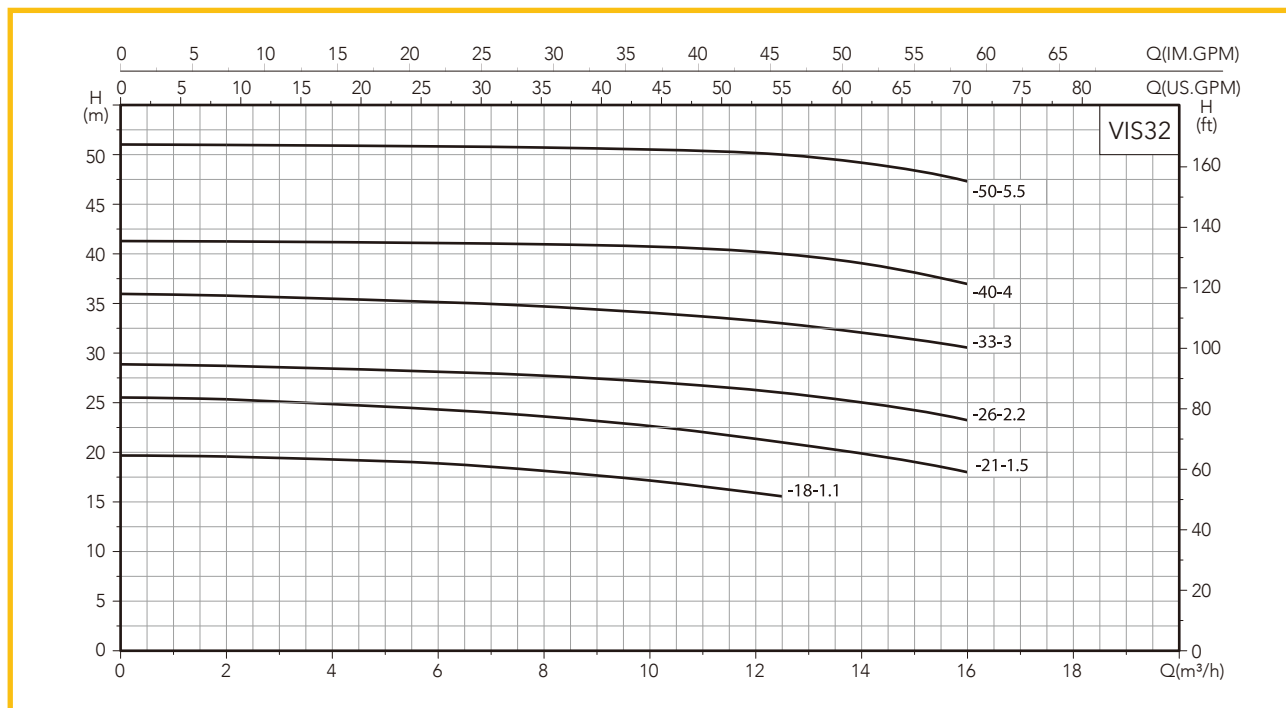
MODEL CHART



Specifications can be changed without notice

HYDRAULIC PERFORMANCE CURVES

2900rpm

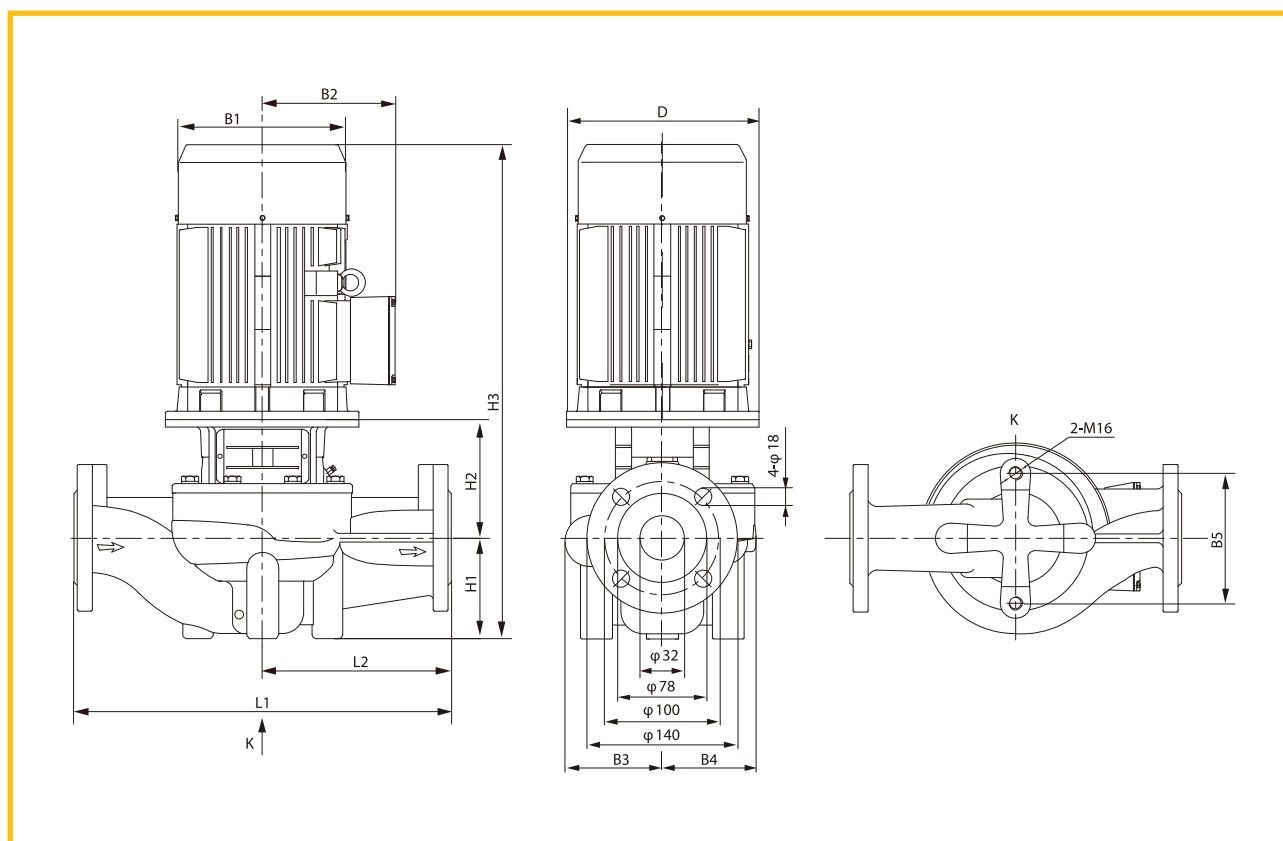


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	2	4	6	8	10	12.5	14	16
VIS32-18-1.1/2	1.1	H(m)	19.6	19.3	18.9	18	17.2	15.6		
VIS32-21-1.5/2	1.5		25.3	24.9	24.3	23.6	22.6	21	19.9	18
VIS32-26-2.2/2	2.2		28.7	28.4	28.1	27.7	27.1	26	25	23.2
VIS32-33-3/2	3		35.8	35.5	35.1	34.7	34.1	33	32.1	30.6
VIS32-40-4/2	4		41.3	41.2	41.1	41	40.7	40	39.1	37
VIS32-50-5.5/2	5.5		51	50.9	50.8	50.7	50.5	50	49.2	47.3

STRUCTURE SIZE

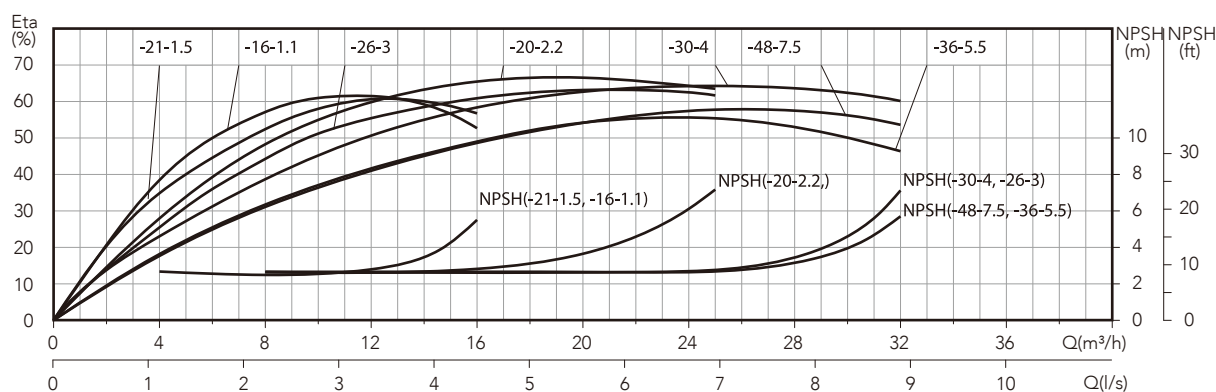
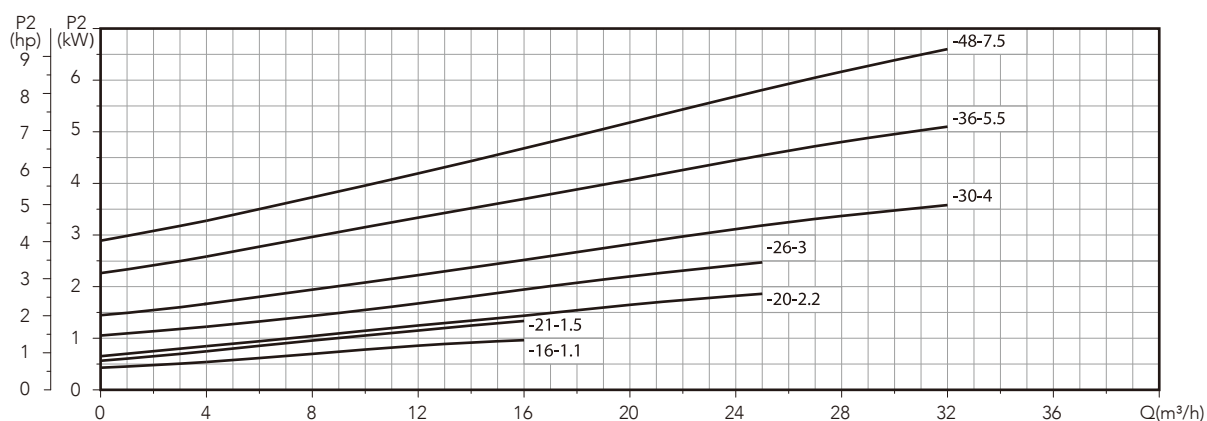
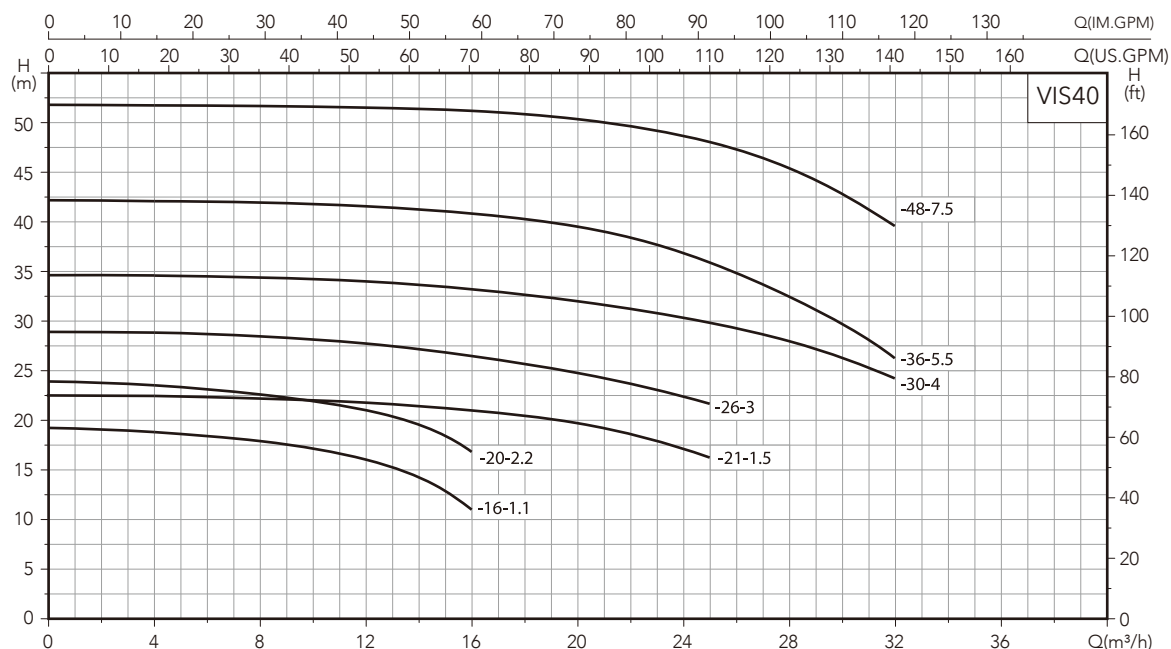


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS32-18-1.1/2	120	151	125	101	101	144	90	135	469	320	160	34
VIS32-21-1.5/2	140	171	137	101	101	144	90	137	514	320	160	38
VIS32-26-2.2/2	140	171	137	101	101	144	90	137	514	320	160	42
VIS32-33-3/2	160	196	150	109	109	144	90	145	572	340	170	52
VIS32-40-4/2	160	214	169	128	128	144	100	151	593	360	180	65
VIS32-50-5.5/2	200	257	190	128	128	144	100	173	656	360	180	84

HYDRAULIC PERFORMANCE CURVES

2900rpm

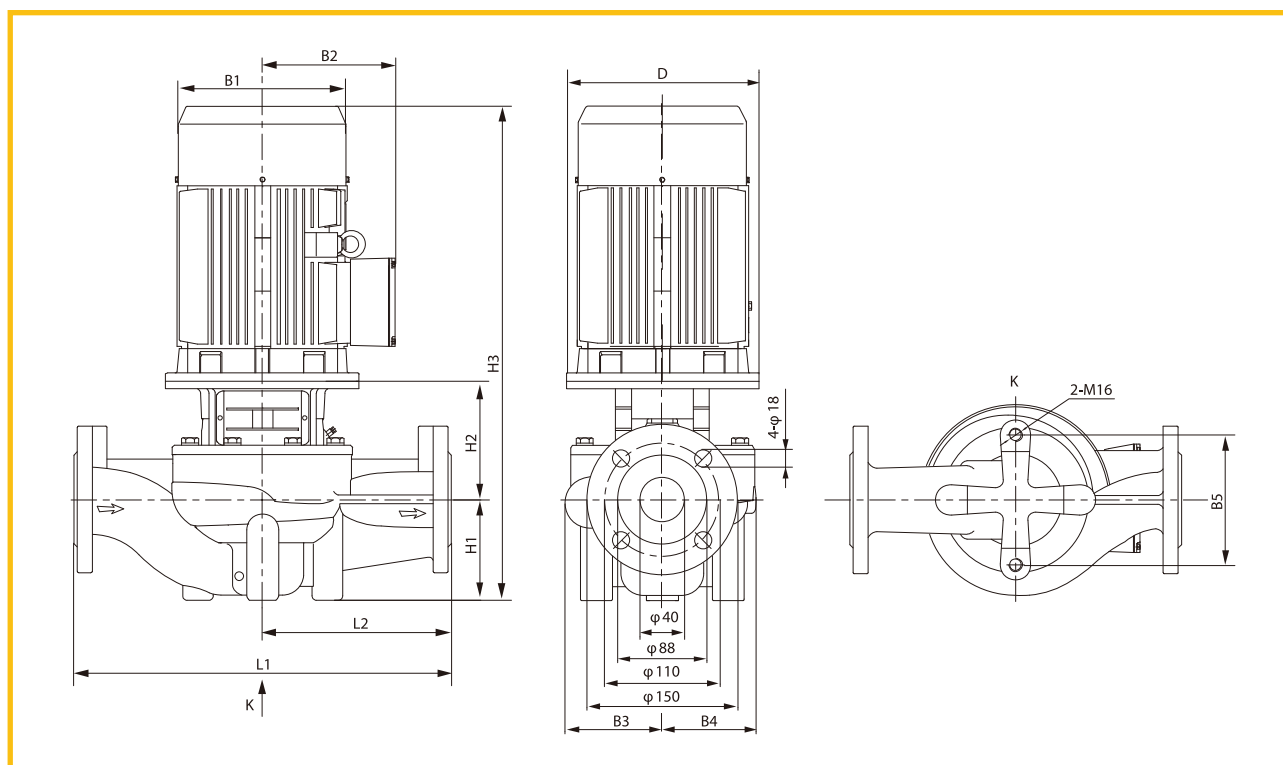


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	4	8	12.5	16	20	25	28	32
VIS40-16-1.1/2	1.1	H(m)	19.1	18.2	16	11.4				
VIS40-21-1.5/2	1.5		23.8	22.9	21	17.1				
VIS40-20-2.2/2	2.2		22.7	22.5	22	21.3	20	16.6		
VIS40-26-3/2	3		29	28.6	27.8	26.7	25	21.9		
VIS40-30-4/2	4		34.7	34.5	34.1	33.4	32.2	30	28.2	24.5
VIS40-36-5.5/2	5.5		42.1	42	41.5	40.9	39.6	36	32.6	26.5
VIS40-48-7.5/2	7.5		51.6	51.6	51.4	51.1	50.3	48	45.4	39.6

STRUCTURE SIZE

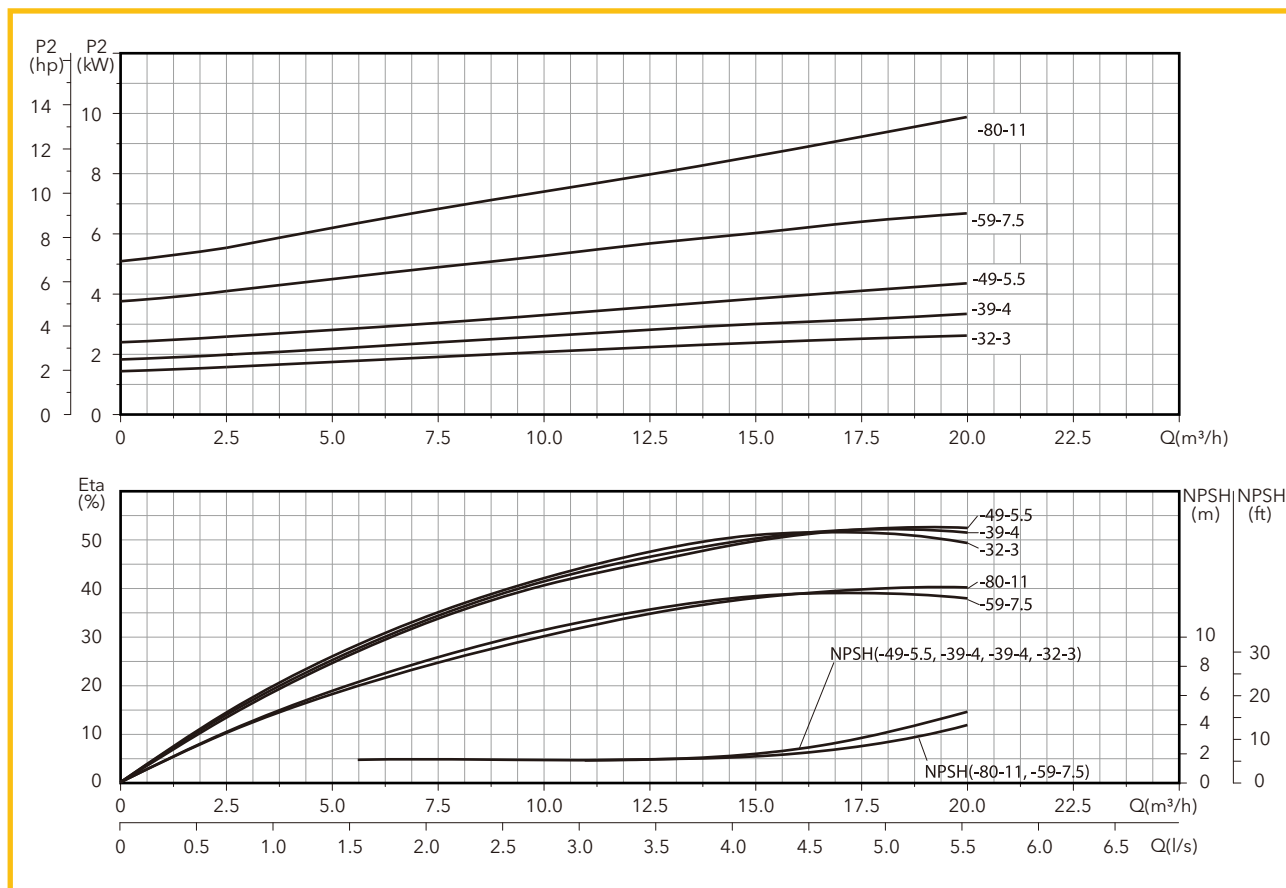
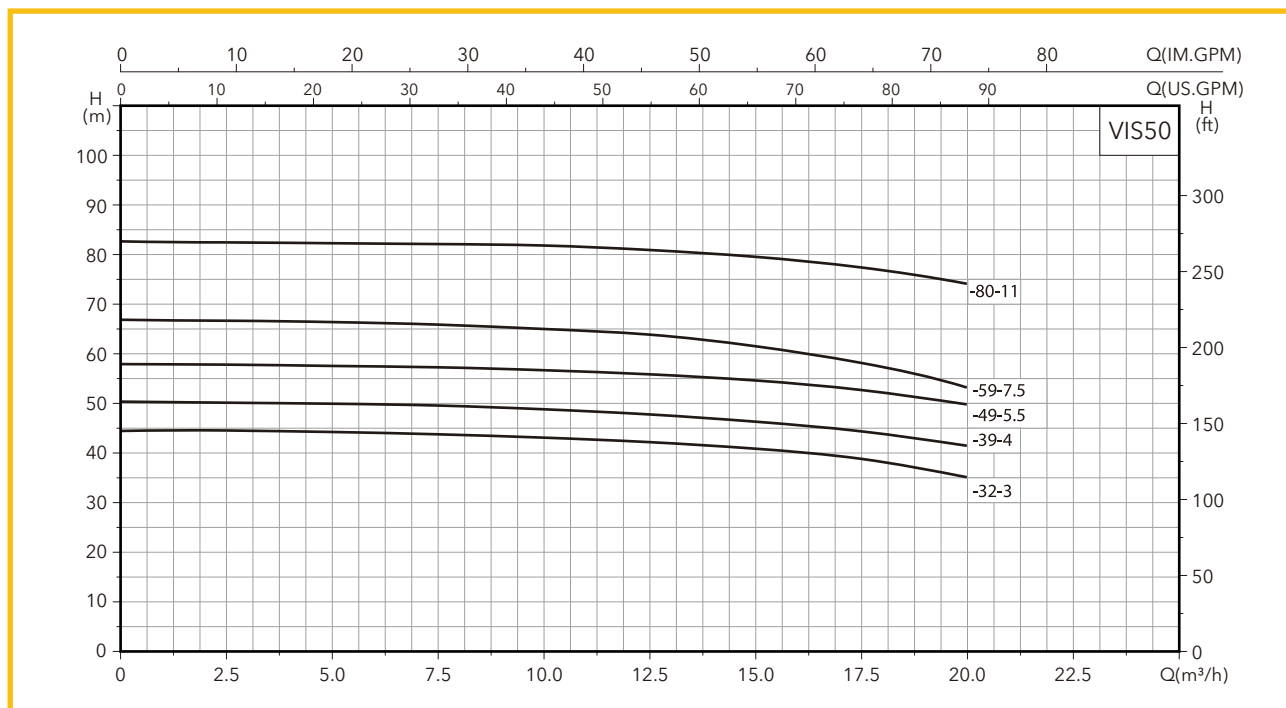


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS40-16-1.1/2	120	151	125	98	95	120	68	139	451	320	160	32
VIS40-21-1.5/2	140	171	137	98	95	120	68	149	504	320	160	38
VIS40-20-2.2/2	140	171	137	105	95	144	85	144	516	320	160	43
VIS40-26-3/2	160	196	150	116	109	144	85	156	578	340	170	54
VIS40-30-4/2	160	214	169	116	109	144	85	156	583	340	170	62
VIS40-36-5.5/2	200	257	190	133	128	144	90	181	654	380	190	85
VIS40-48-7.5/2	200	257	190	133	128	144	90	181	654	380	190	94

HYDRAULIC PERFORMANCE CURVES

2900rpm

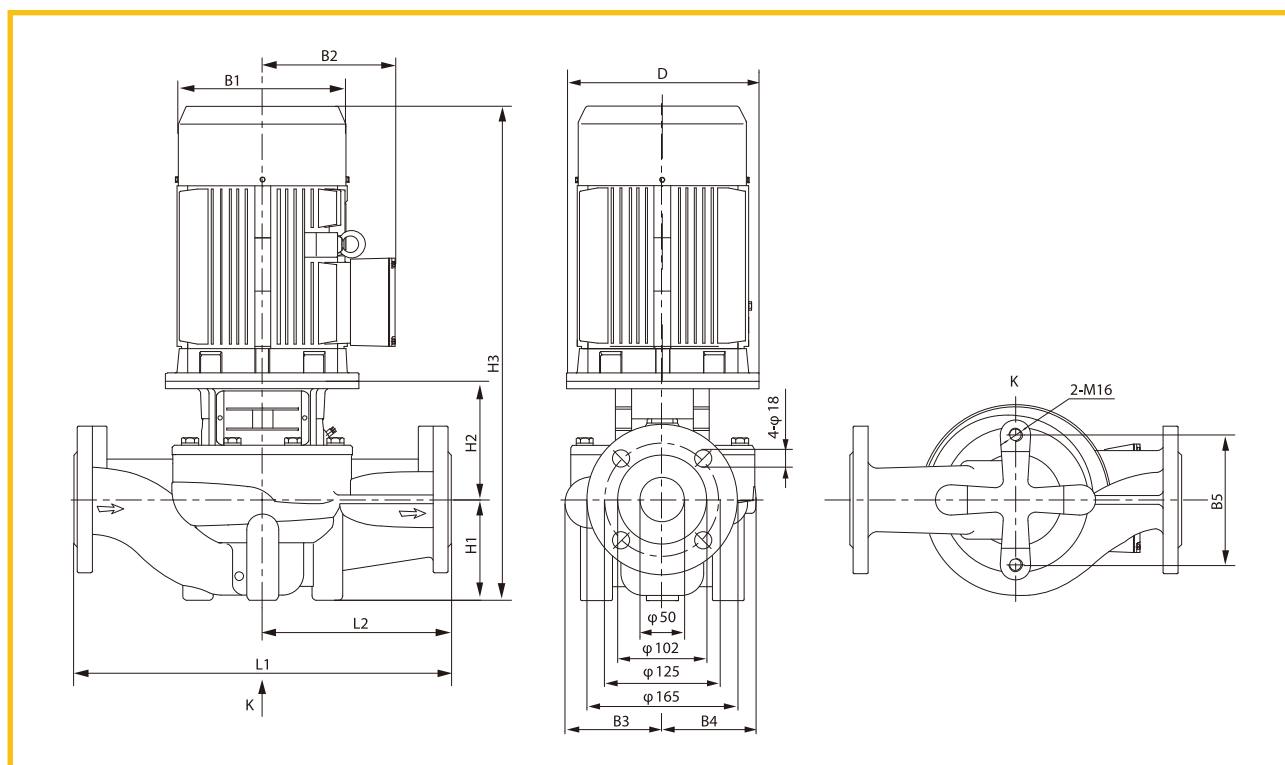


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	2.5	5	7.5	10	12.5	15	17.5	20
VIS50-32-3/2	3	H(m)	35	34.6	34	33.2	32	30.5	27.9	23.3
VIS50-39-4/2	4		41.9	41.7	41.3	40.2	39	37.2	34.8	31.2
VIS50-49-5.5/2	5.5		51.6	51.2	50.7	50	49	47.5	45.1	41.5
VIS50-59-7.5/2	7.5		62.4	62.1	61.4	60.3	59	56.1	51.9	45.7
VIS50-80-11/2	11		81.9	81.7	81.5	81.1	80	78.3	75.7	71.6

STRUCTURE SIZE

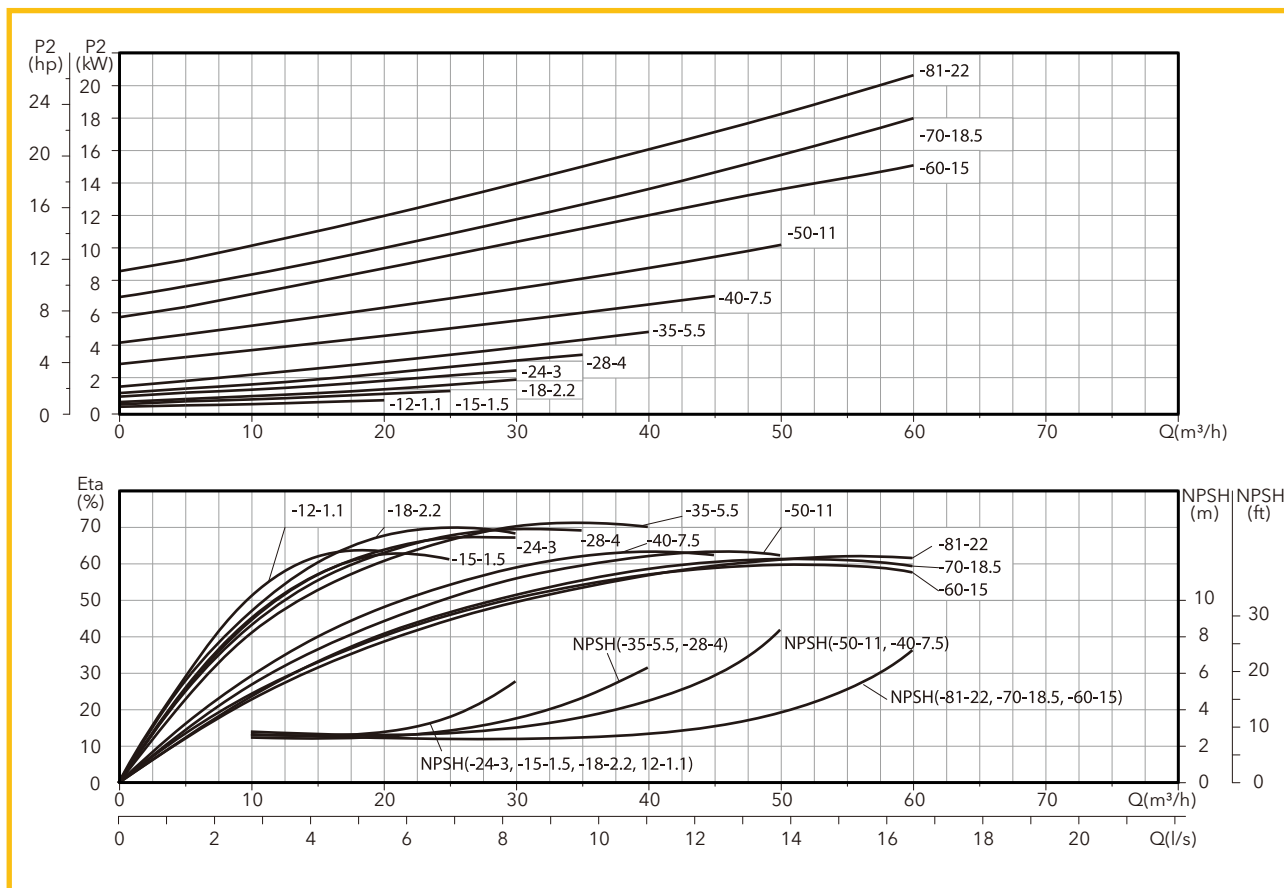
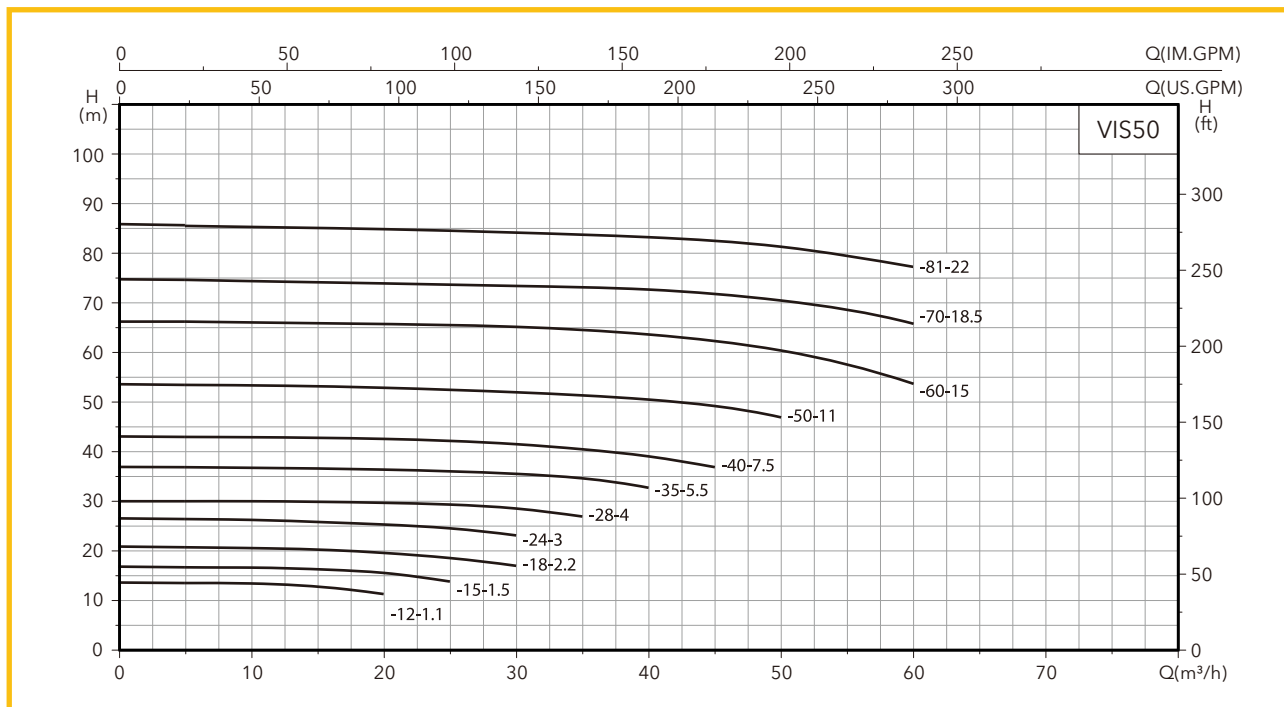


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS50-32-3/2	160	196	150	128	128	144	105	150	592	400	200	64
VIS50-39-4/2	160	214	169	128	128	144	105	150	597	400	200	71
VIS50-49-5.5/2	200	257	190	128	128	144	105	172	660	400	200	88
VIS50-59-7.5/2	200	257	190	163	128	144	105	178	666	440	220	112
VIS50-80-11/2	350	314	261	163	163	144	105	222	783	440	220	184

HYDRAULIC PERFORMANCE CURVES

2900rpm

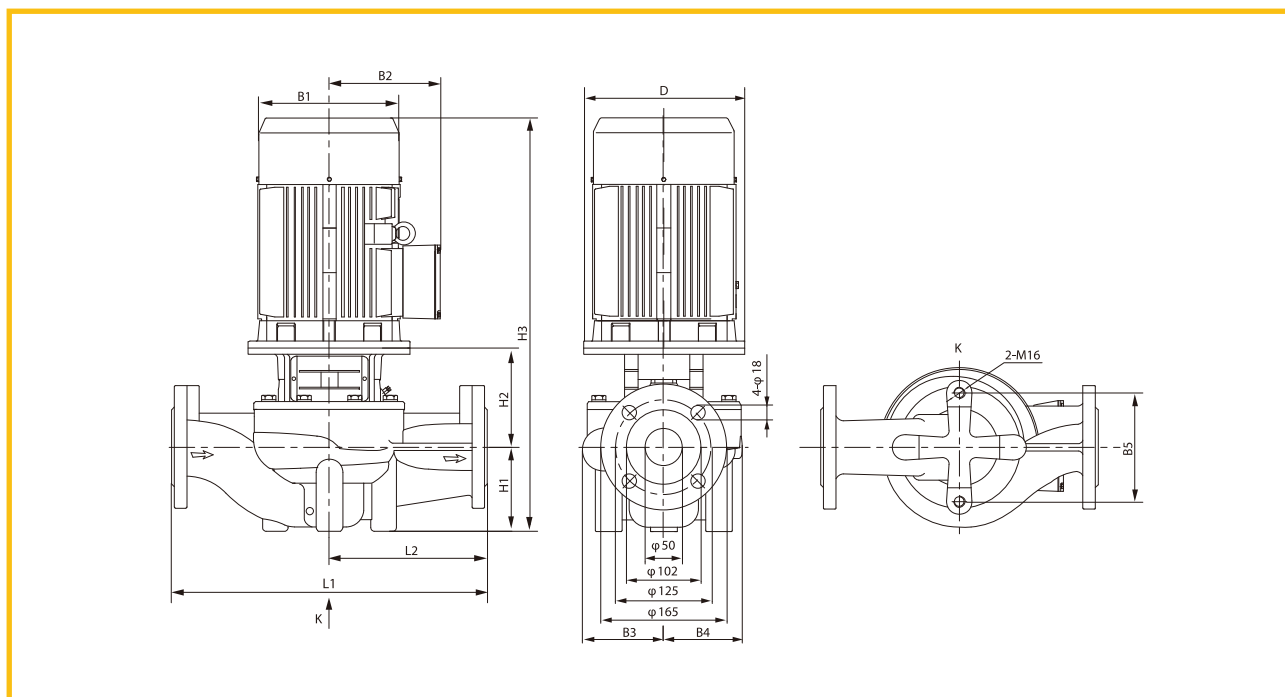


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	5	10	16	20	25	30	35	40	45	50	60
VIS50-12-1.1/2	1.1	H(m)	13	12.9	12	10.7							
VIS50-15-1.5/2	1.5		16.1	16.1	15.6	15	13.3						
VIS50-18-2.2/2	2.2		20.2	20	19.6	19	18	16.4					
VIS50-24-3/2	3		25.9	25.7	25.2	24.8	24	22.6					
VIS50-28-4/2	4		29.5	29.5	29.3	29.2	28.8	28	26.4				
VIS50-35-5.5/2	5.5		36.3	36.2	36	35.9	35.5	35	34.1	32.2			
VIS50-40-7.5/2	7.5		42.5	42.4	42.2	42.1	41.7	41	40	38.5	36.4		
VIS50-50-11/2	11		53	52.9	52.6	52.4	52	51.5	50.9	50	48.7	46.4	
VIS50-60-15/2	15		65.8	65.7	65.7	65.6	65.3	64.7	63.9	62.8	61.6	60	53.2
VIS50-70-18.5/2	18.5		73.7	73.6	73.4	73.3	73.1	72.9	72.5	72	71.2	70	65.4
VIS50-81-22/2	22		85.5	85.3	85	84.8	84.5	84	83.5	82.8	82.1	81	77.1

STRUCTURE SIZE

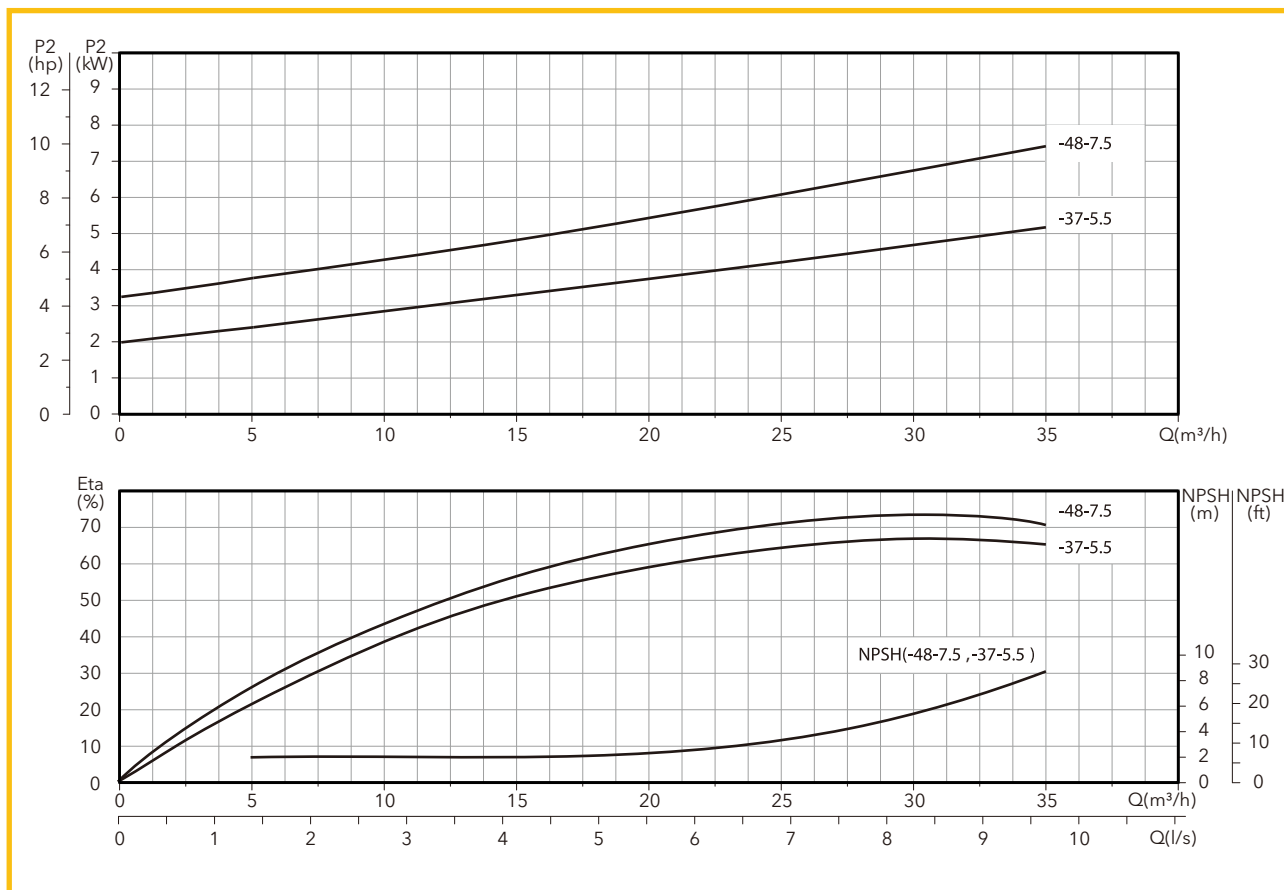
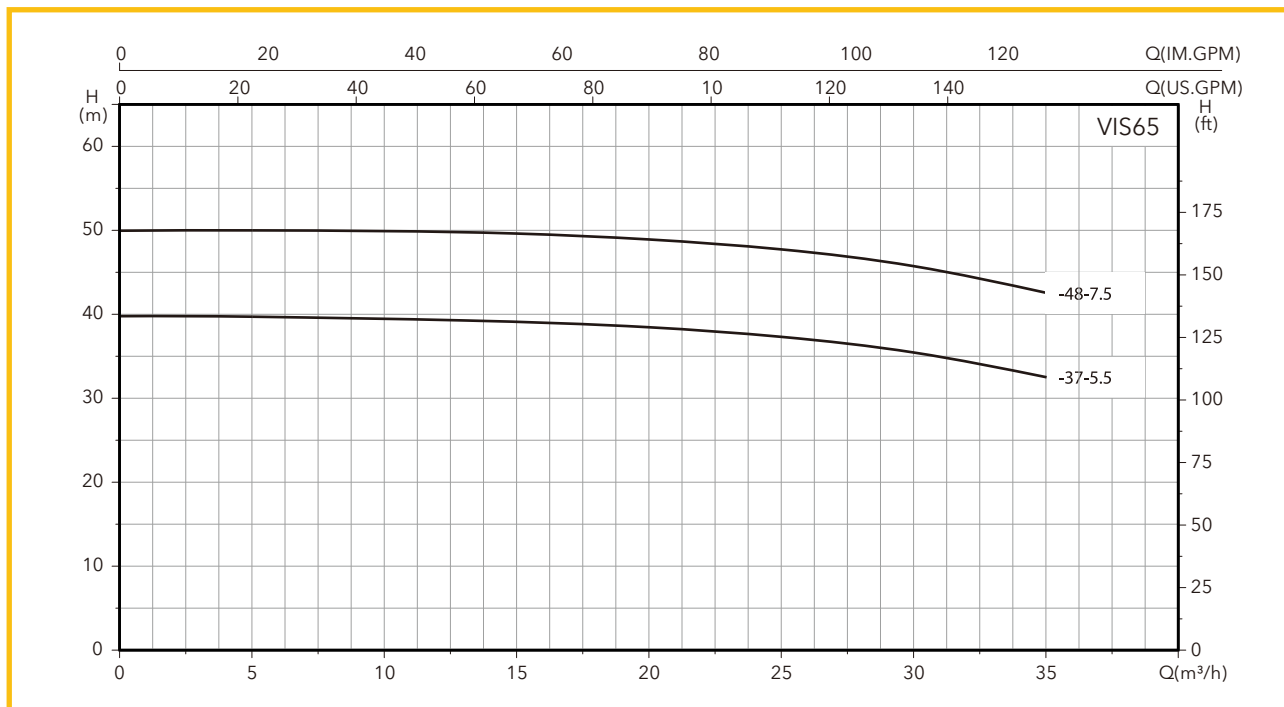


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS50-12-1.1/2	120	151	125	114	101	144	105	135	484	340	170	37
VIS50-15-1.5/2	140	171	137	114	101	144	105	137	529	340	170	42
VIS50-18-2.2/2	140	171	137	114	101	144	105	137	529	340	170	45
VIS50-24-3/2	160	196	150	114	101	144	105	147	589	340	170	55
VIS50-28-4/2	160	214	169	118	109	144	105	152	599	340	170	64
VIS50-35-5.5/2	200	257	190	118	109	144	105	175	663	340	170	81
VIS50-40-7.5/2	200	257	190	142	138	144	105	175	663	400	200	98
VIS50-50-11/2	350	314	261	142	138	144	105	225	830	400	200	173
VIS50-60-15/2	350	314	261	171	163	144	115	225	840	440	220	196
VIS50-70-18.5/2	350	314	261	171	163	144	115	225	884	440	220	203
VIS50-81-22/2	350	355	273	171	163	144	115	225	917	440	220	256

HYDRAULIC PERFORMANCE CURVES

2900rpm

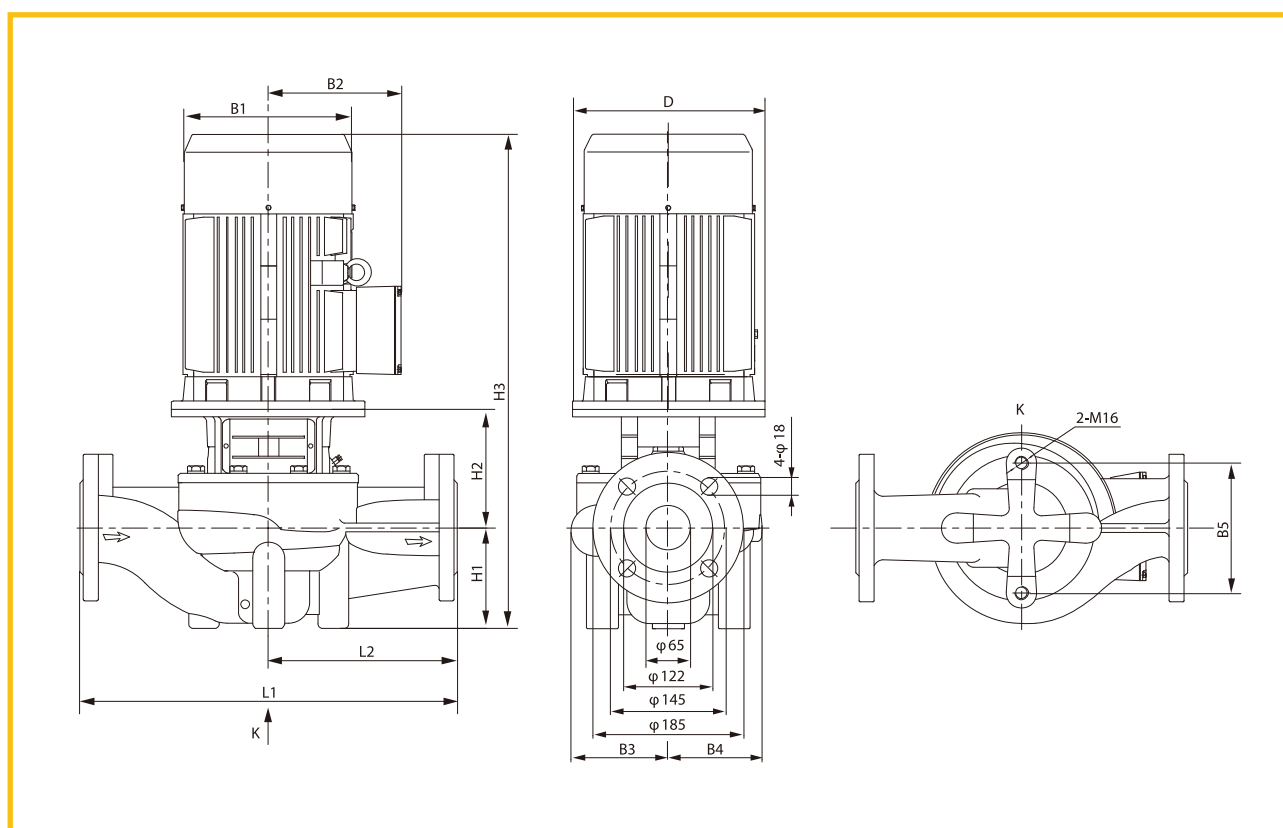


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	5	10	15	20	25	30	35
VIS65-37-5.5/2	5.5	H(m)	39.6	39.3	39	38.2	37	35	32.1
VIS65-48-7.5/2	7.5		50.4	50.3	50	49.3	48	45.9	42.6

STRUCTURE SIZE

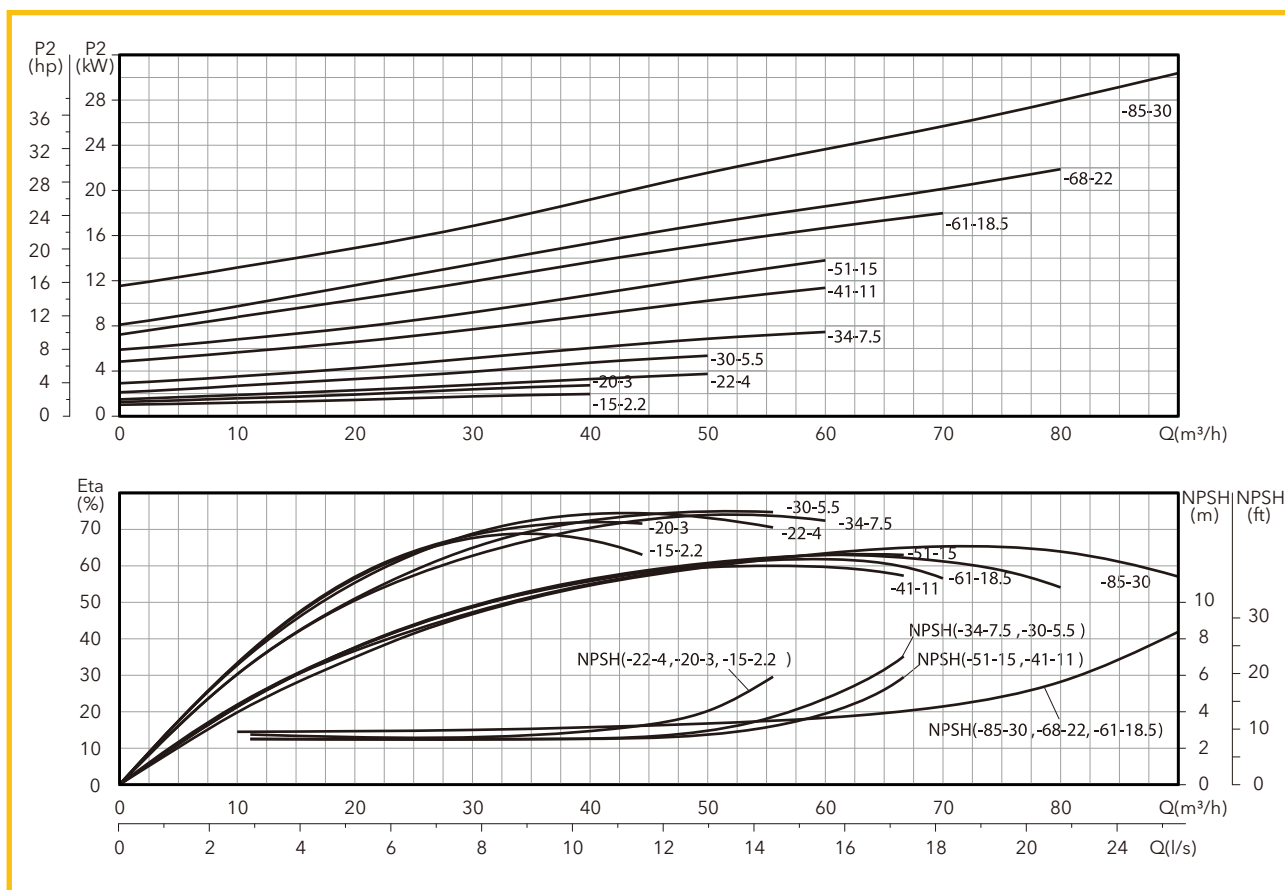
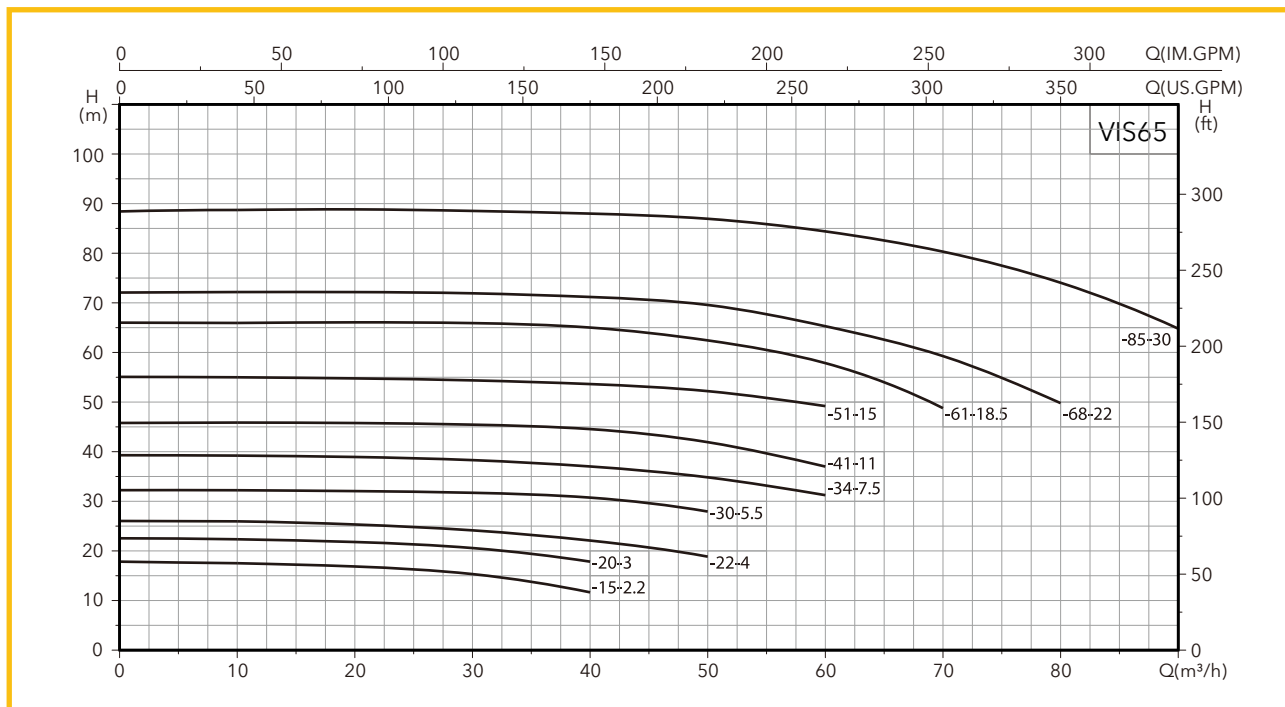


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS65-37-5.5/2	200	257	190	128	128	144	105	180	668	400	200	90
VIS65-48-7.5/2	200	257	190	128	128	144	105	180	668	400	200	98

HYDRAULIC PERFORMANCE CURVES

2900rpm

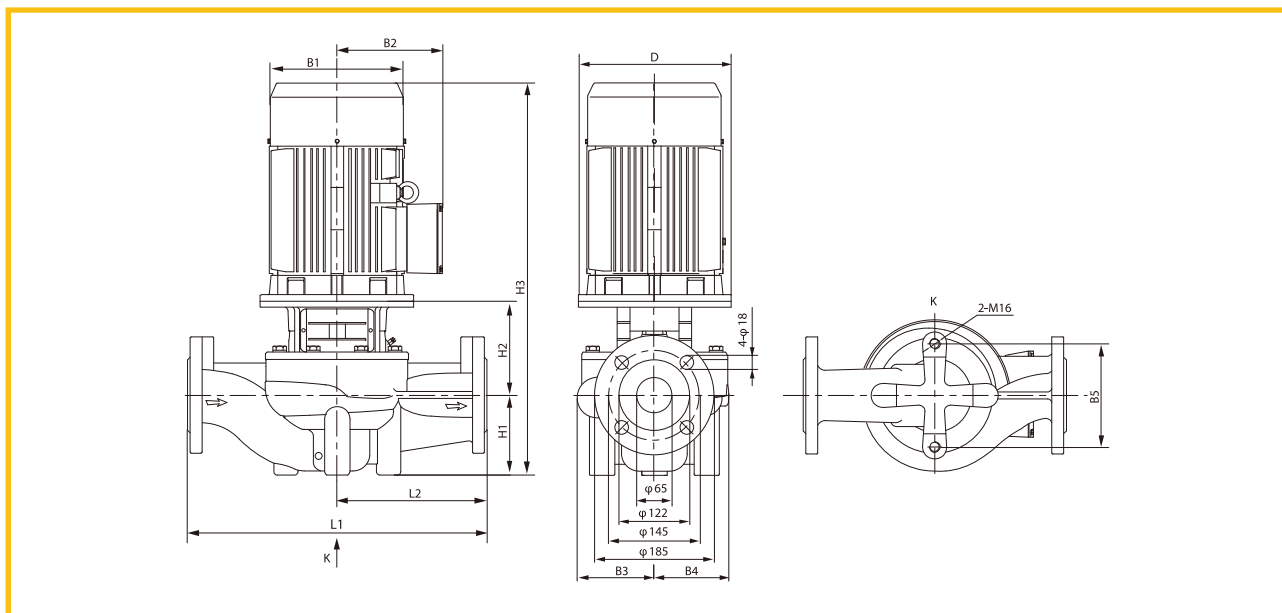


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	10	20	30	40	50	60	70	80	90
VIS65-15-2.2/2	2.2	H(m)	17.1	16.4	15	11.3					
VIS65-20-3/2	3		21.8	21.2	20	17.4					
VIS65-22-4/2	4		25.1	24.8	23.9	22	18.4				
VIS65-30-5.5/2	5.5		31.5	31.3	31	30	27.3				
VIS65-34-7.5/2	7.5		38.3	38	37.4	36.1	34	30.5			
VIS65-41-11/2	11		44.8	44.7	44.4	43.5	41	36.1			
VIS65-51-15/2	15		53.7	53.5	53.1	52.4	51	48			
VIS65-61-18.5/2	18.5		64.5	64.6	64.4	63.5	61	56.5	47.6		
VIS65-68-22/2	22		70.5	70.5	70.3	69.6	68	63.8	58	48.6	
VIS65-85-30/2	30		86.7	86.7	86.5	86	85	82.5	78.5	72.4	63.3

STRUCTURE SIZE



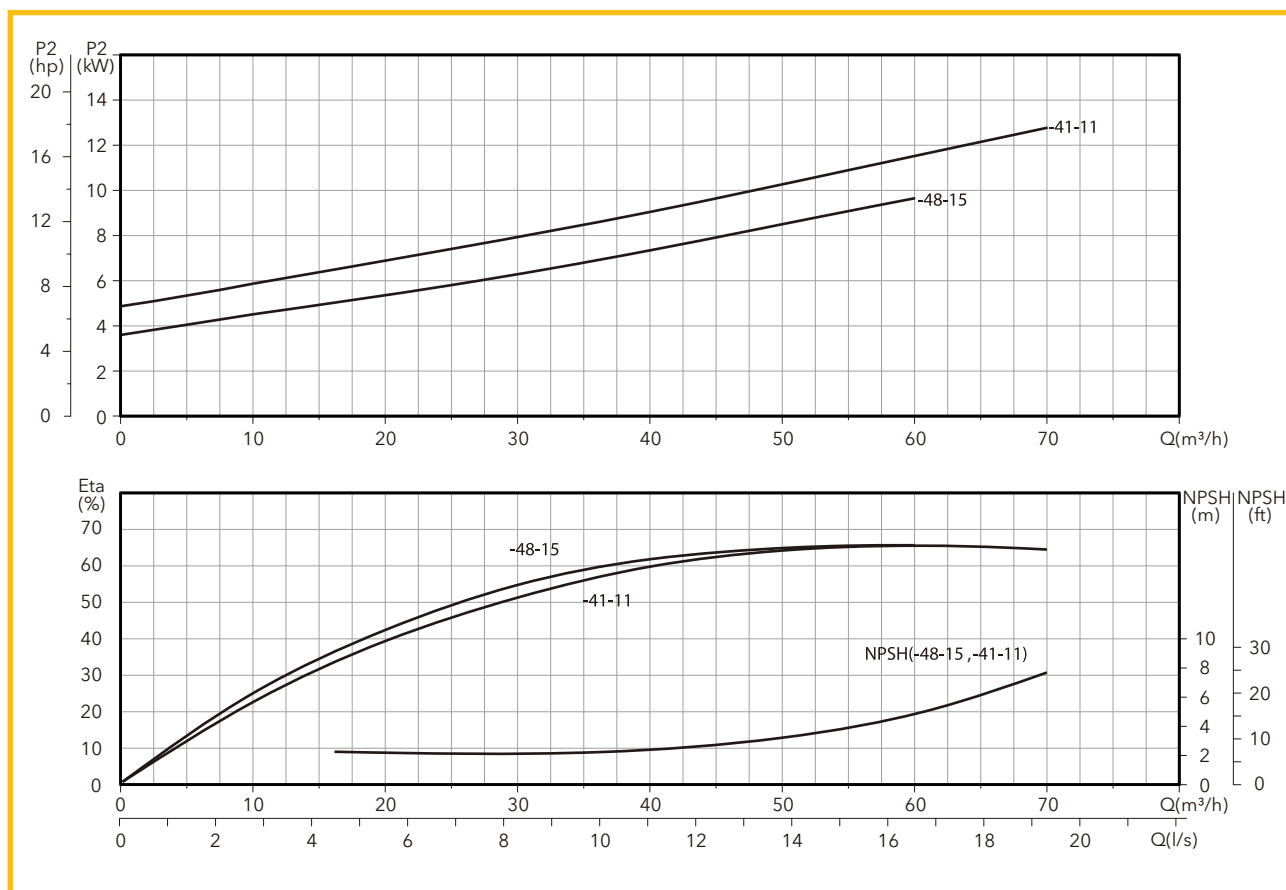
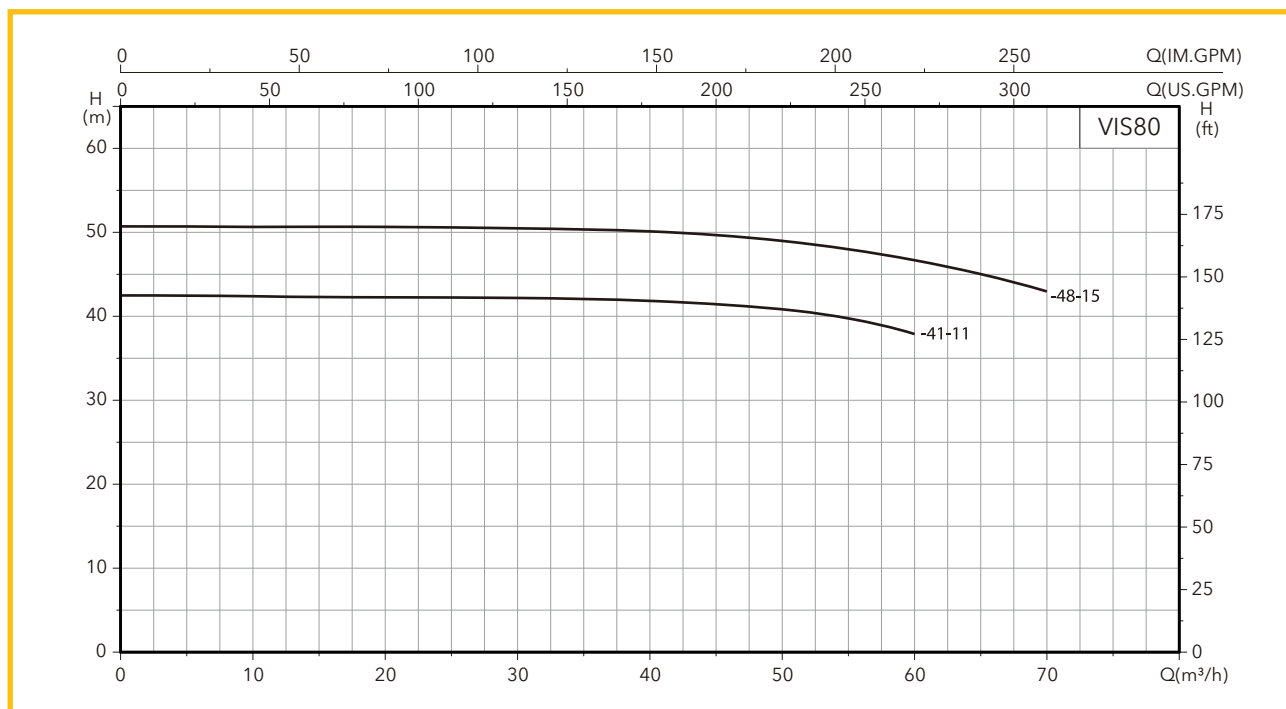
SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS65-15-2.2/2	140	171	137	116	101	144	105	153	545	340	170	48
VIS65-20-3/2	160	196	150	116	101	144	105	163	605	340	170	57
VIS65-22-4/2	160	214	169	116	101	144	105	163	610	340	170	64
VIS65-30-5.5/2	200	257	190	131	115	144	105	194	682	360	180	85
VIS65-34-7.5/2	200	257	190	131	115	144	105	194	682	360	180	94
VIS65-41-11/2	350	314	261	148	138	144	105	234	839	400	200	173
VIS65-51-15/2	350	314	261	148	138	144	105	234	839	400	200	188
VIS65-61-18.5/2	350	314	261	174	162	160	125	228	897	475	238	208
VIS65-68-22/2	350	355	273	174	162	160	125	228	930	475	238	260
VIS65-85-30/2	400	397	314	174	162	160	125	231	1008	475	238	322

Specifications can be changed without notice

HYDRAULIC PERFORMANCE CURVES

2900rpm

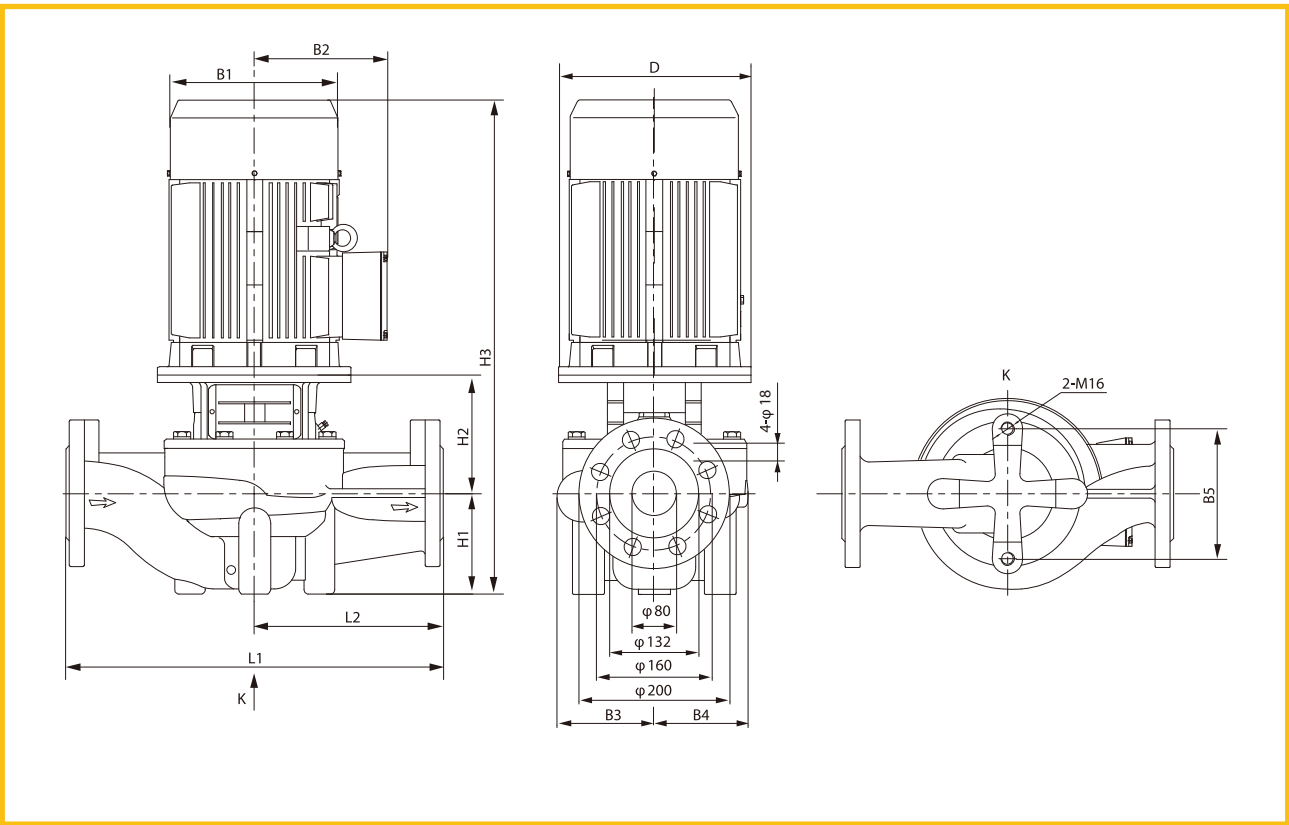


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	10	20	30	40	50	60	70
VIS80-41-11/2	11	H(m)	42.3	42.2	42.1	41.8	41	38.4	
VIS80-48-15/2	15		49.4	49.4	49.3	49	48	46	42.8

STRUCTURE SIZE



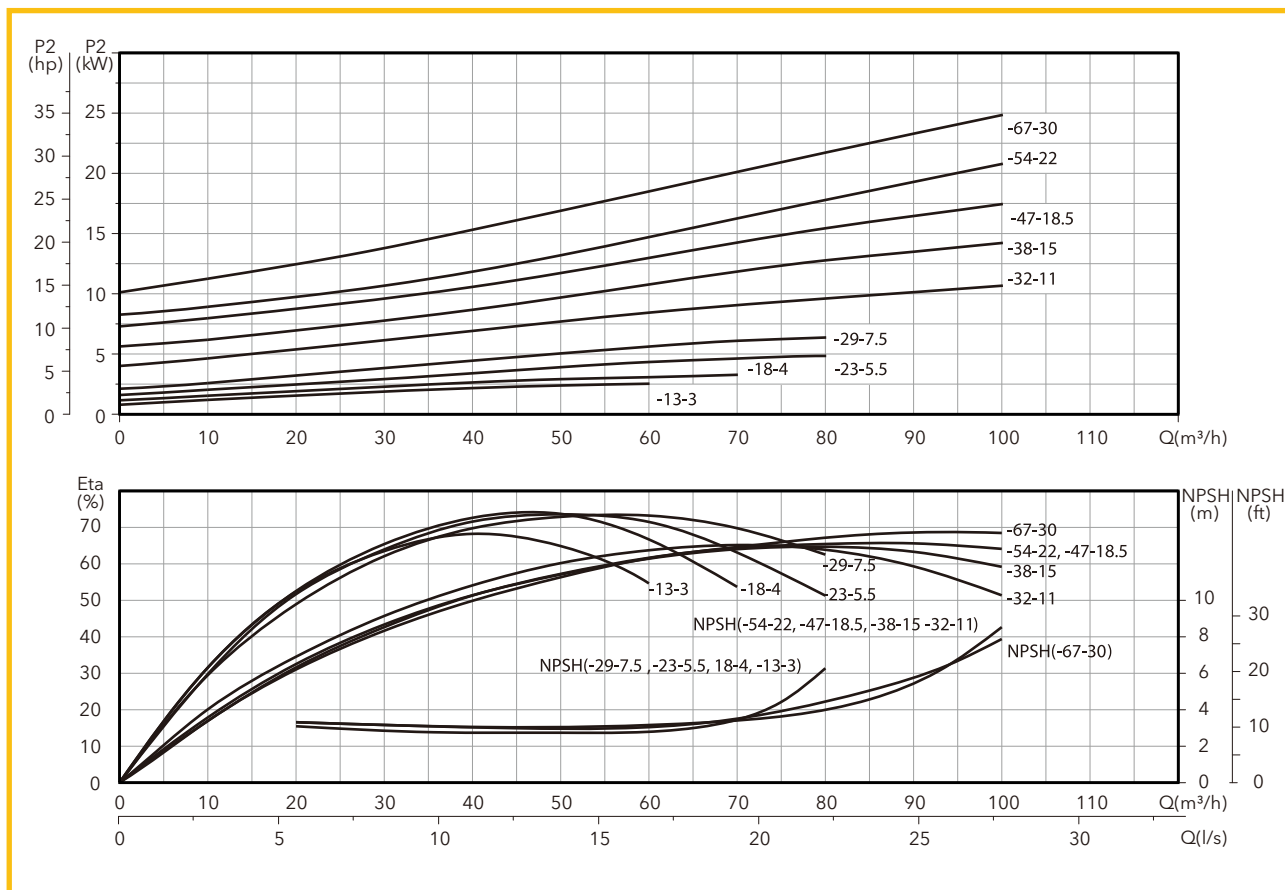
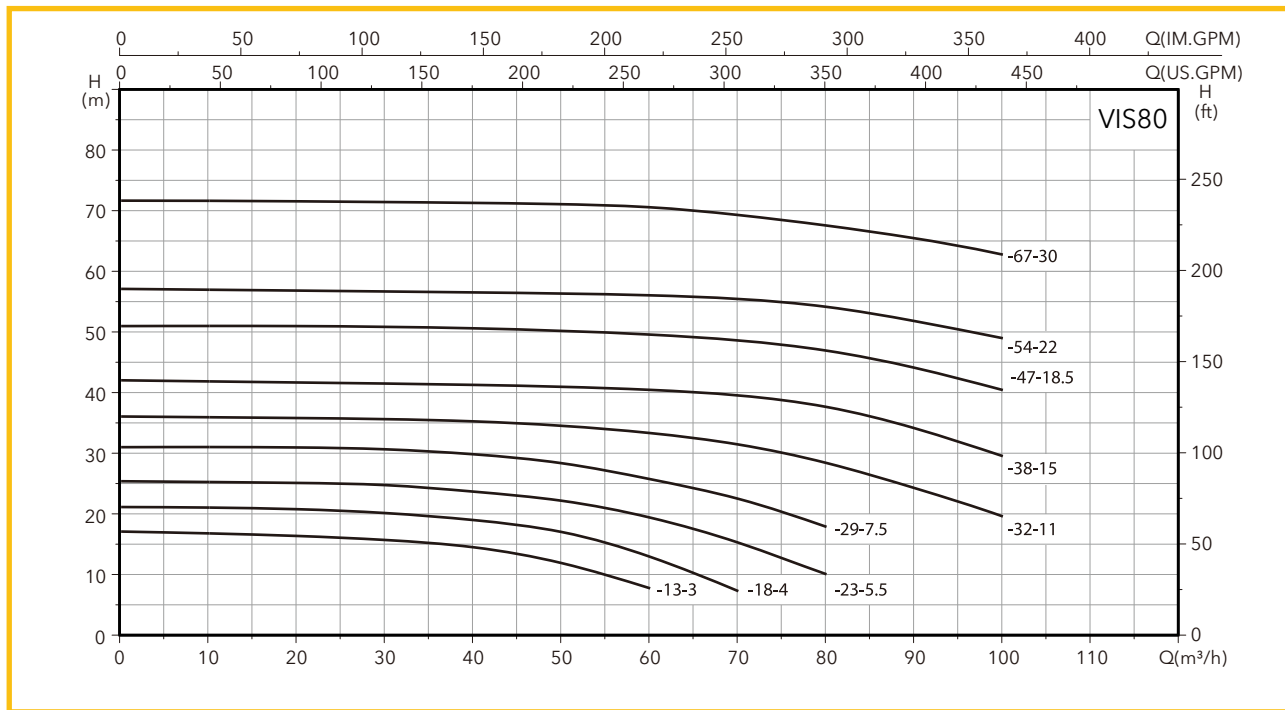
SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS80-41-11/2	350	314	261	137	128	144	115	221	836	500	250	176
VIS80-48-15/2	350	314	261	137	128	144	115	221	836	500	250	191

Specifications can be changed without notice

HYDRAULIC PERFORMANCE CURVES

2900rpm

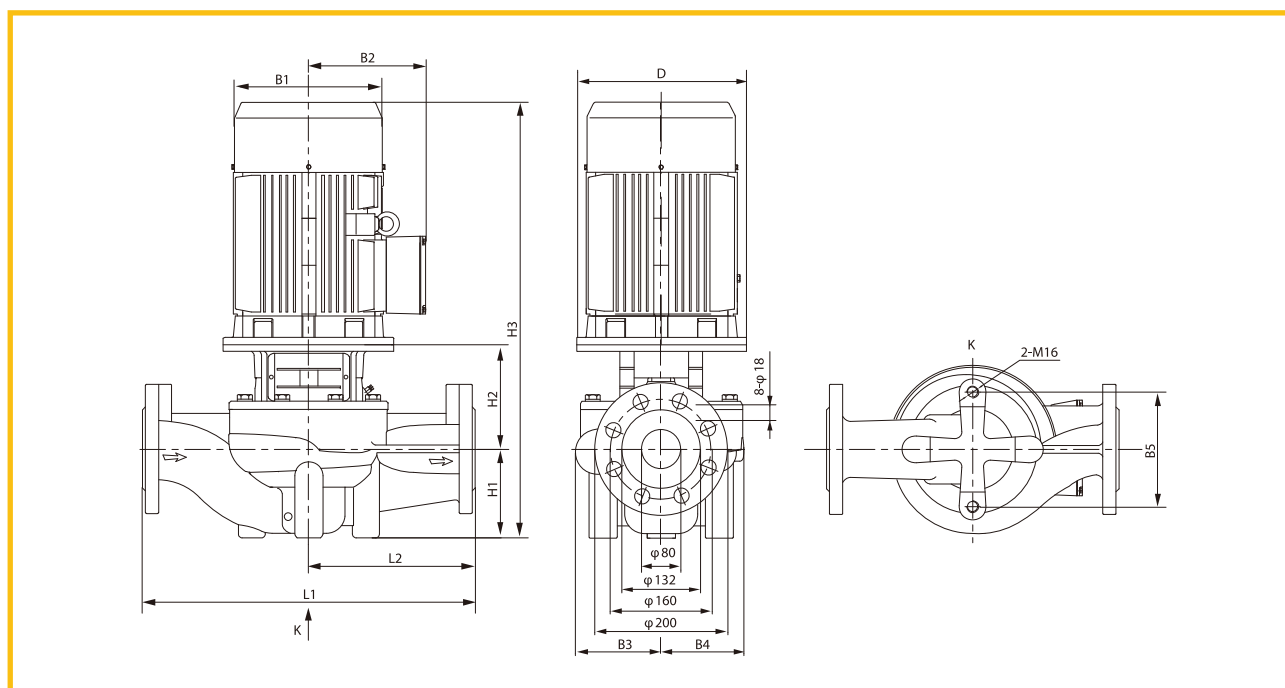


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	10	20	30	40	50	60	70	80	90	100
VIS80-13-3/2	3	H(m)	17.8	17.4	16.7	15.5	13	9.1				
VIS80-18-4/2	4		21.9	21.7	21	19.9	18	14	8.6			
VIS80-23-5.5/2	5.5		26	25.9	25.5	24.5	23	20.3	16.3	11.3		
VIS80-29-7.5/2	7.5		31.6	31.5	31.2	30.4	29	26.5	23.3	18.8		
VIS80-32-11/2	11		36.4	36.2	36.1	35.7	35	33.8	32	29	25	20.5
VIS80-38-15/2	15		42.1	41.9	41.7	41.5	41.2	40.7	39.8	38	34.6	30.1
VIS80-47-18.5/2	18.5		50.9	50.9	50.8	50.6	50.2	49.6	48.6	47	44.3	40.7
VIS80-54-22/2	22		56.7	56.6	56.5	56.3	56.1	55.8	55.3	54	51.7	49
VIS80-67-30/2	30		71	70.9	70.8	70.6	70.4	69.9	68.7	67	65	62.3

STRUCTURE SIZE

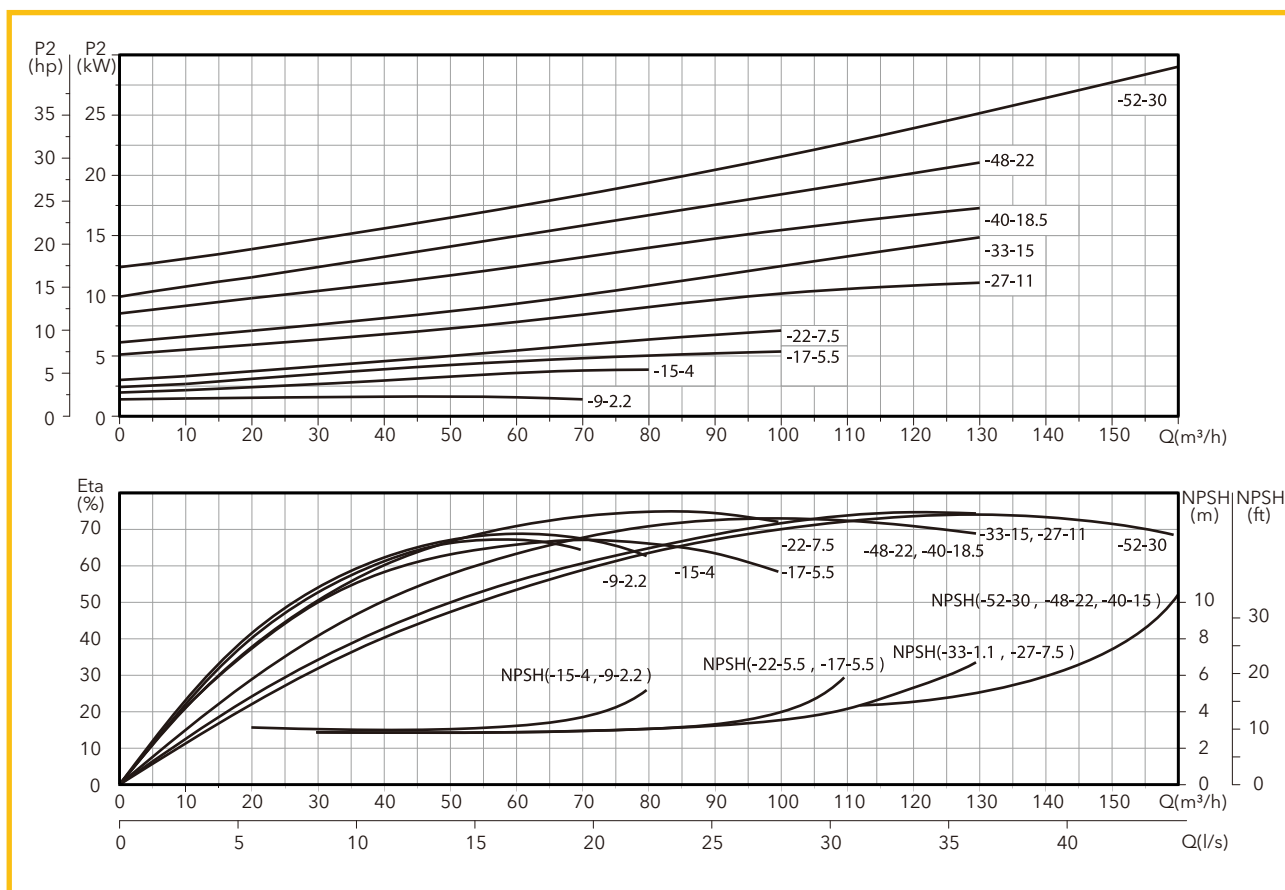
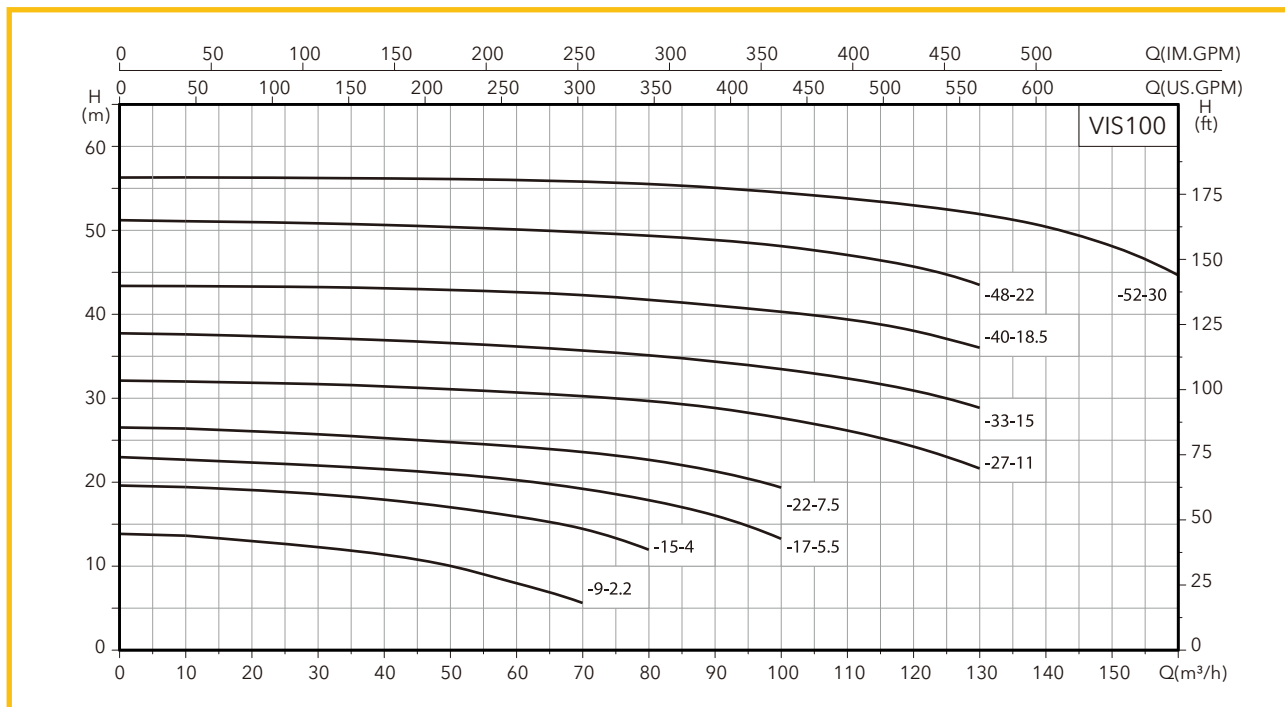


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS80-13-3/2	160	196	150	134	112	144	105	171	613	400	200	63
VIS80-18-4/2	160	214	169	134	112	144	105	171	618	400	200	70
VIS80-23-5.5/2	200	257	190	134	112	144	105	195	683	400	200	87
VIS80-29-7.5/2	200	257	190	134	112	144	105	195	683	400	200	95
VIS80-32-11/2	350	314	261	159	138	144	115	240	855	450	225	179
VIS80-38-15/2	350	314	261	159	138	144	115	240	855	450	225	194
VIS80-47-18.5/2	350	314	261	159	138	144	115	240	899	450	225	203
VIS80-54-22/2	350	355	273	159	138	144	115	240	932	450	225	256
VIS80-67-30/2	400	397	314	180	162	160	115	242	1017	500	250	324

HYDRAULIC PERFORMANCE CURVES

2900rpm

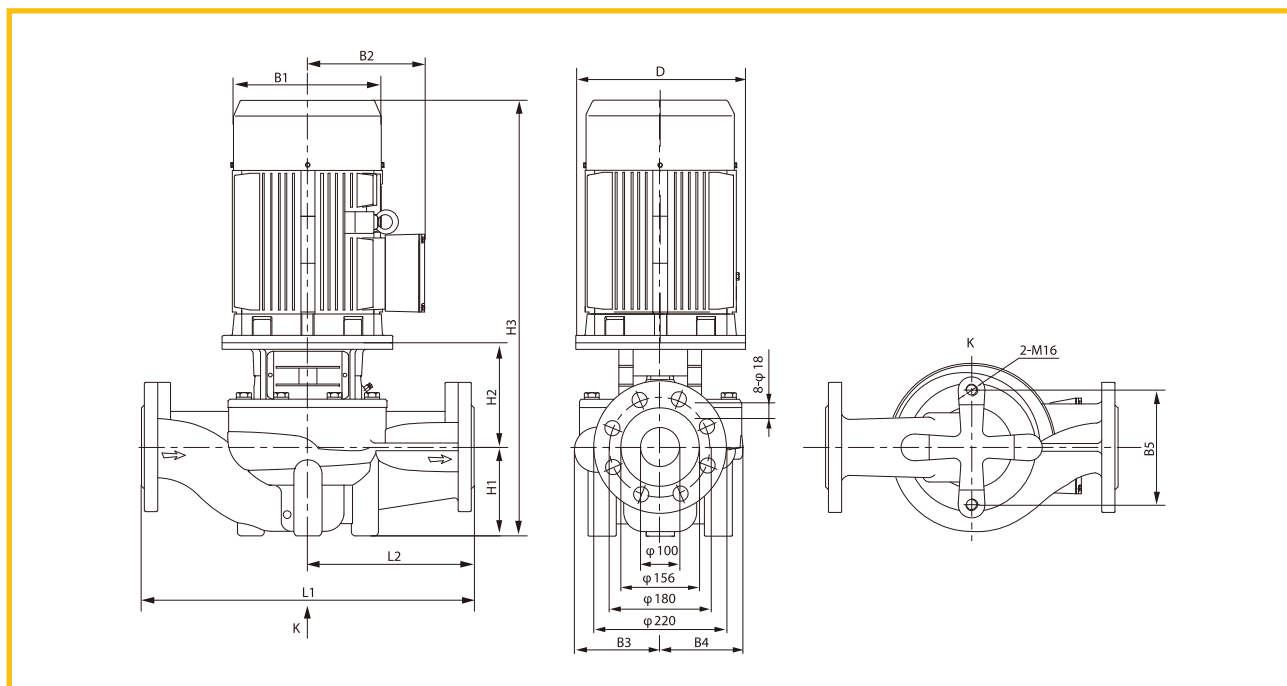


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m ³ /h]	10	20	30	40	50	60	70	80	90	100	110	120	130	145	160
VIS100-9-2.2/2	2.2	H(m)	13.9	13.2	12.2	10.8	9	6.8	4.4								
VIS100-15-4/2	4		18.6	18.2	17.7	17.1	16.2	15	13.4	11							
VIS100-17-5.5/2	5.5		21.9	21.6	21.2	20.8	20	19.4	18.4	17	15.1	12.3					
VIS100-22-7.5/2	7.5		25.7	25.5	25	24.6	24.1	23.6	22.9	21.9	20.5	18.6					
VIS100-27-11/2	11		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		
VIS100-33-15/2	15		37.1	37	36.8	36.6	36.2	35.8	35.3	34.7	33.9	33	31.7	30.1	27.9		
VIS100-40-18.5/2	18.5		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		
VIS100-48-22/2	22		51.2	51.1	51	50.8	50.6	50.3	49.9	49.4	48.8	48	46.9	45.3	43.2		
VIS100-52-30/2	30		56.4	56.4	56.3	56.3	56.2	56.1	55.9	55.6	55.1	54.5	53.8	53.1	52	49.3	44.5

STRUCTURE SIZE

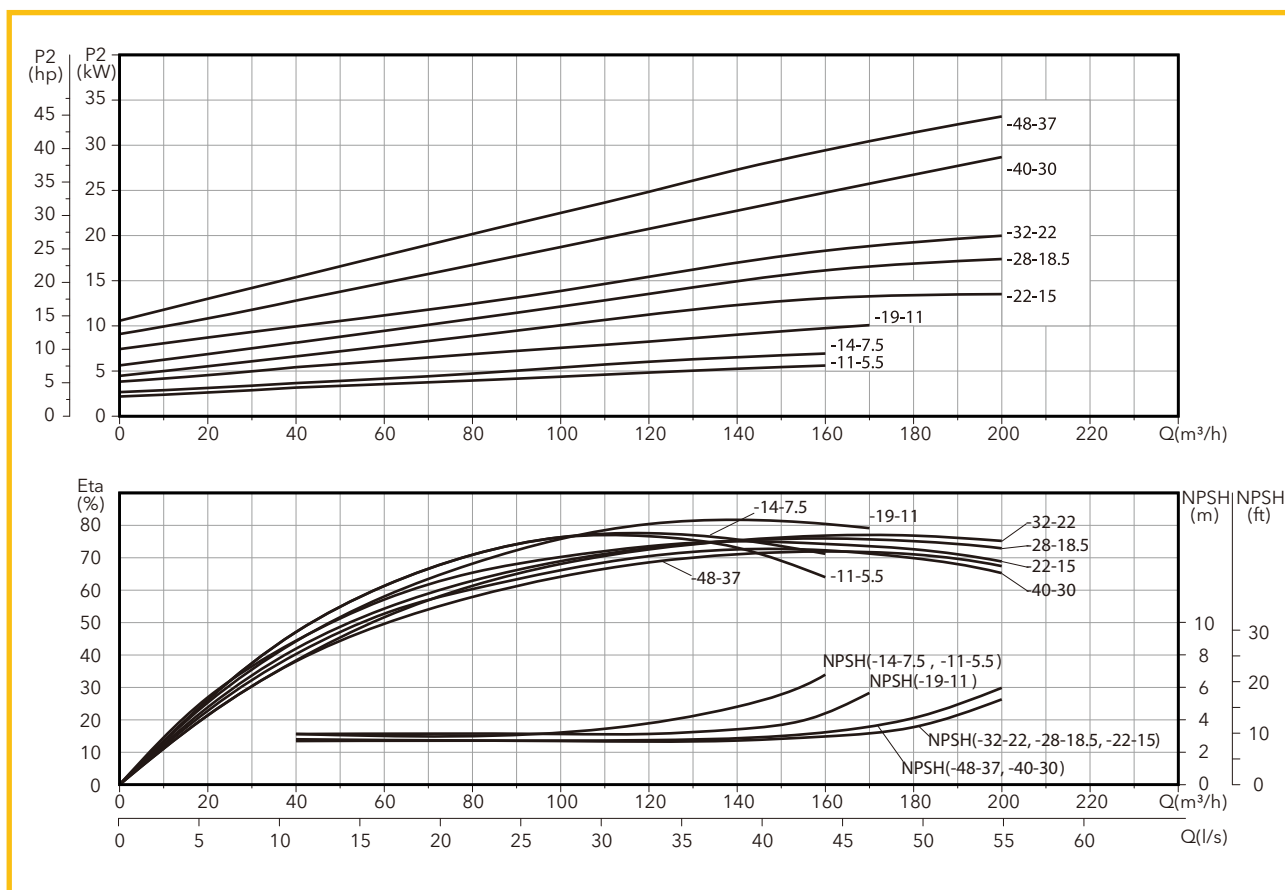
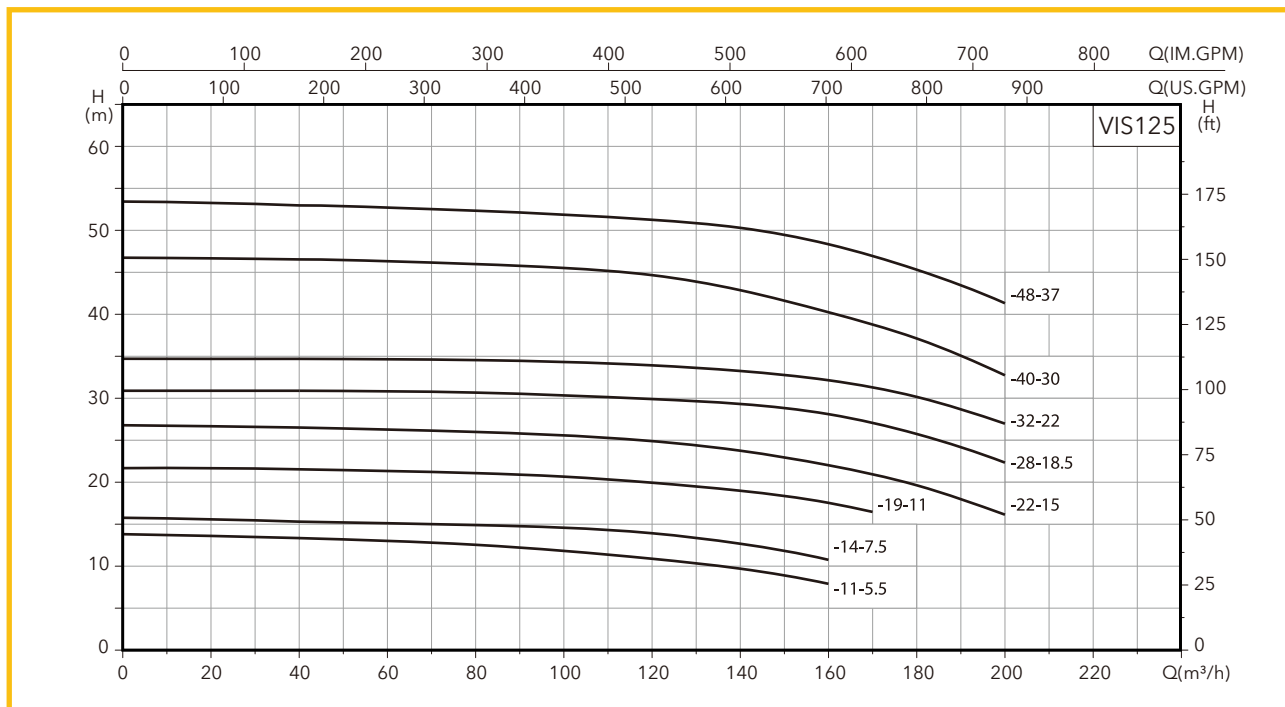


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS100-9-2.2/2	140	171	137	134	101	160	105	178	570	450	225	56
VIS100-15-4/2	160	214	169	134	101	160	105	190	637	450	225	73
VIS100-17-5.5/2	200	257	190	146	118	144	120	199	702	450	225	96
VIS100-22-7.5/2	200	257	190	146	118	144	120	199	702	450	225	104
VIS100-27-11/2	350	314	261	147	123	144	140	260	900	550	275	187
VIS100-33-15/2	350	314	261	147	123	144	140	260	900	550	275	202
VIS100-40-18.5/2	350	314	261	181	152	230	140	270	954	550	275	220
VIS100-48-22/2	350	355	273	181	152	230	140	270	987	550	275	273
VIS100-52-30/2	400	397	314	181	152	230	140	270	1062	550	275	336

HYDRAULIC PERFORMANCE CURVES

2900rpm

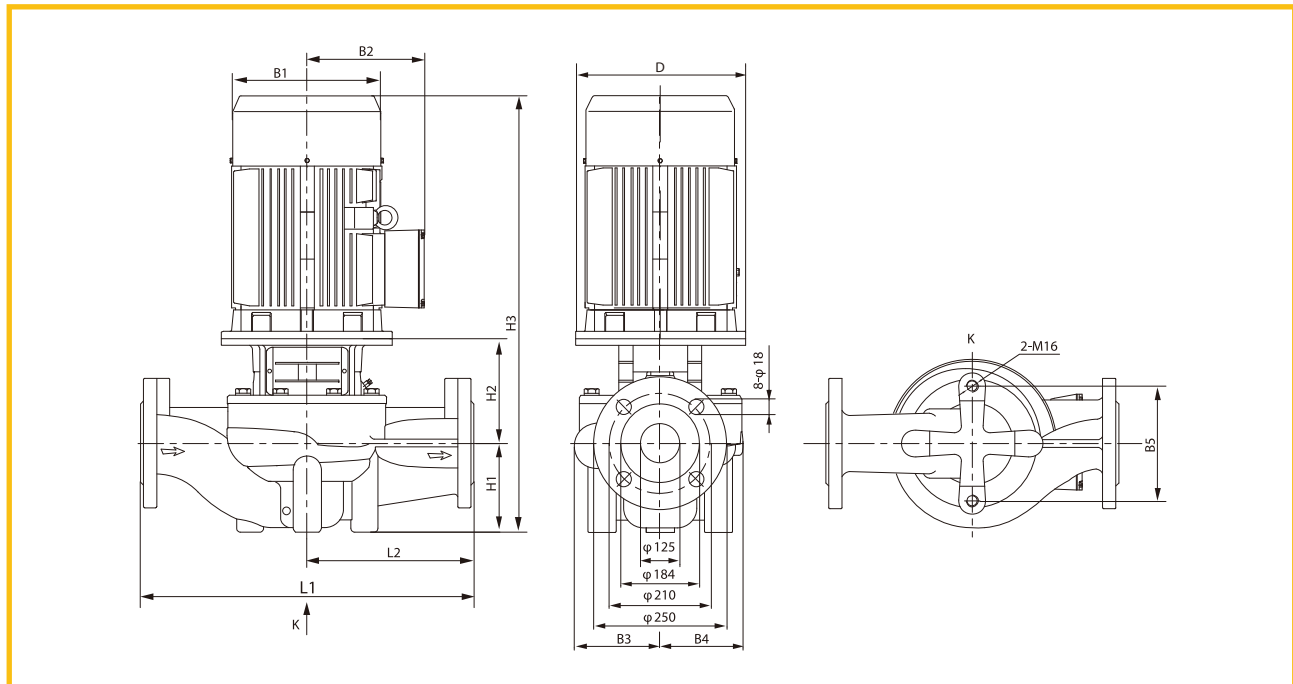


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	40	60	80	100	120	140	160	170	180	200
VIS125-11-5.5/4	5.5	H(m)	13.4	13.1	12.6	11.9	11	9.8	8.1			
VIS125-14-7.5/4	7.5		15.4	15.2	15	14.7	14	12.8	10.9			
VIS125-19-11/4	11		21.5	21.3	21.1	20.7	19.9	19	17.6	16.5		
VIS125-22-15/4	15		26.7	26.5	26.2	25.7	24.9	23.7	22	20.9	19.8	16.7
VIS125-28-18.5/4	18.5		30.9	30.8	30.7	30.5	30.1	29.3	28	26.9	25.8	22.2
VIS125-32-22/4	22		34.6	34.6	34.5	34.4	34	33.3	32	31.1	30.2	27.3
VIS125-40-30/4	30		46.2	46	45.7	45.2	44.3	42.5	40	38.5	36.9	32.5
VIS125-48-37/4	37		52.6	52.3	51.9	51.5	50.9	49.9	48	46.6	45	41.1

STRUCTURE SIZE

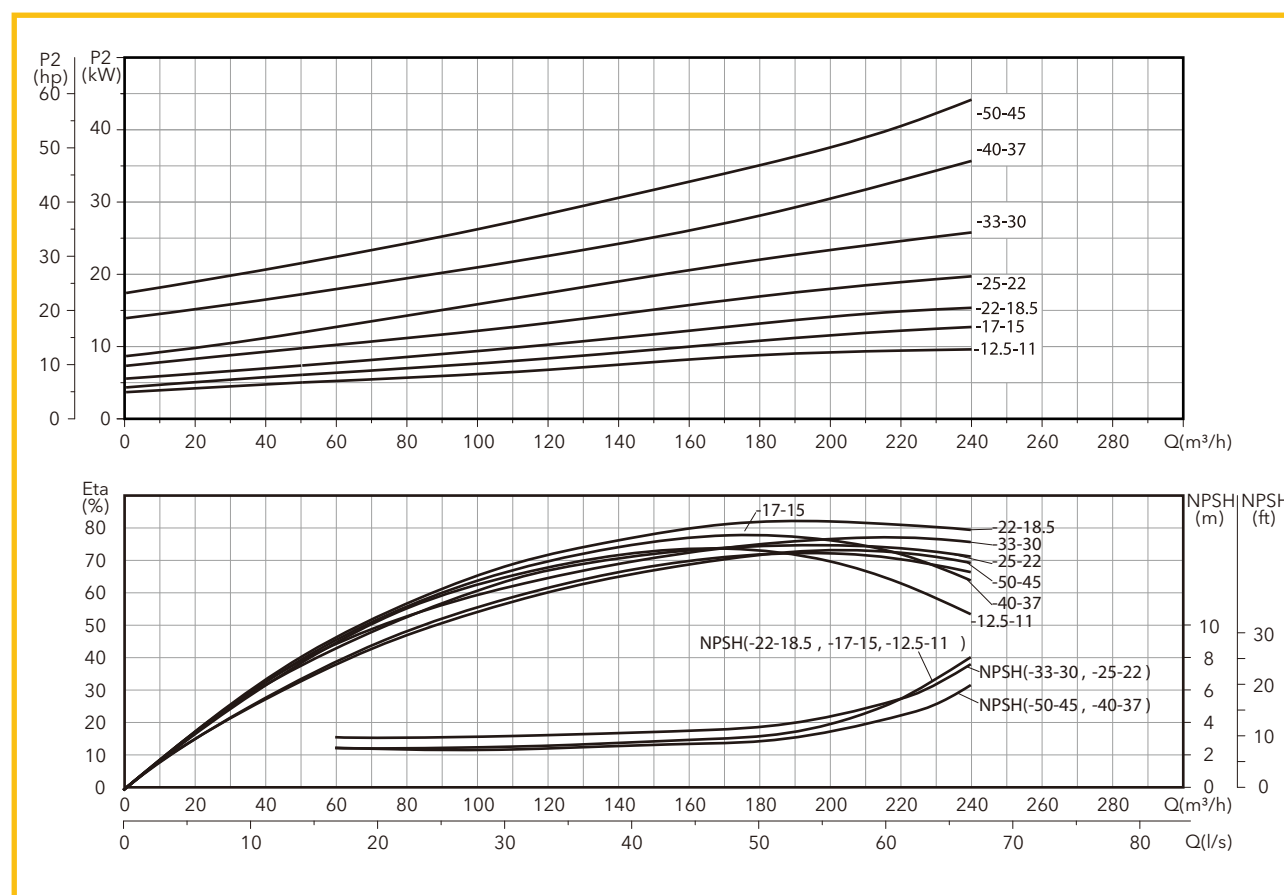
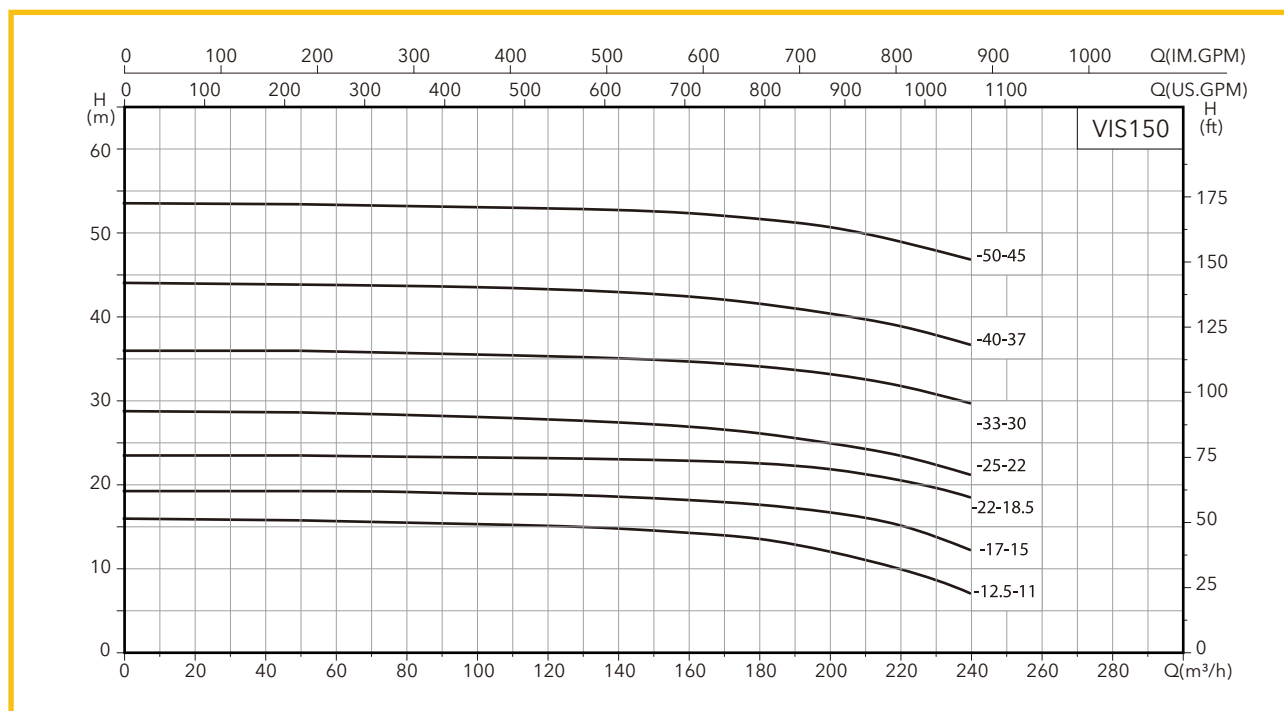


SIZE AND WEIGHT

Model	Size[mm]													Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H2*	H3	H3*	L1	L2	
VIS125-11-5.5/4	200	257	190	198	162	230	160	229	--	772	--	620	310	140(-)
VIS125-14-7.5/4	200	257	190	198	162	230	160	229	--	772	--	620	330	150(-)
VIS125-19-11/4	350	314	261	213	178	230	160	301	401	961	1061	660	400	255(268)
VIS125-22-15/4	350	314	261	236	208	230	215	292	395	1051	1154	800	400	310(323)
VIS125-28-18.5/4	350	355	273	236	208	230	215	292	395	1084	1187	800	400	340(356)
VIS125-32-22/4	350	355	273	236	208	230	215	292	395	1122	1125	800	400	361(376)
VIS125-40-30/4	400	397	314	261	233	230	160	298	394	1110	1206	800	400	455(473)
VIS125-48-37/4	400	445	334	261	233	230	160	313	440	1167	1294	800	400	492(521)

HYDRAULIC PERFORMANCE CURVES

1450rpm

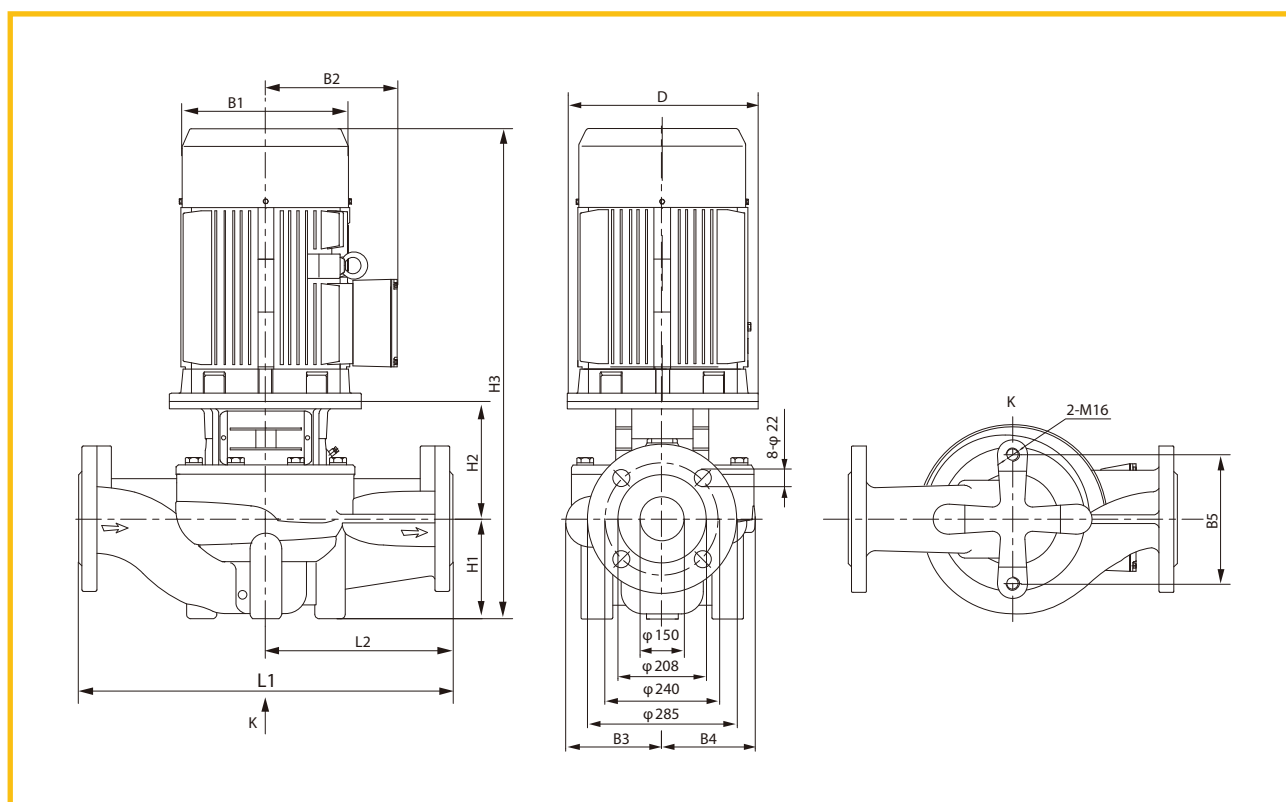


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m ³ /h]	50	80	100	120	140	160	180	200	220	240
VIS150-12.5-11/4	11	H(m)	16.1	15.8	15.6	15.4	15.1	14.6	13.9	12.5	10.4	7.6
VIS150-17-15/4	15		19.5	19.4	19.2	19.1	18.8	18.4	17.9	17	15.5	12.6
VIS150-22-18.5/4	18.5		23.6	23.4	23.4	23.3	23.1	23	22.7	22	20.7	18.7
VIS150-25-22/4	22		28.1	28	27.9	27.7	27.3	26.8	26.1	25	23.5	21.3
VIS150-33-30/4	30		35.5	35.4	35.3	35.1	34.8	34.4	33.9	33	31.5	29.6
VIS150-40-37/4	37		43.1	43	42.9	42.7	42.4	41.9	41.1	40	38.4	36.2
VIS150-50-45/4	45		52.4	52.2	52.1	51.9	51.7	51.4	50.9	50	48.7	46.7

STRUCTURE SIZE

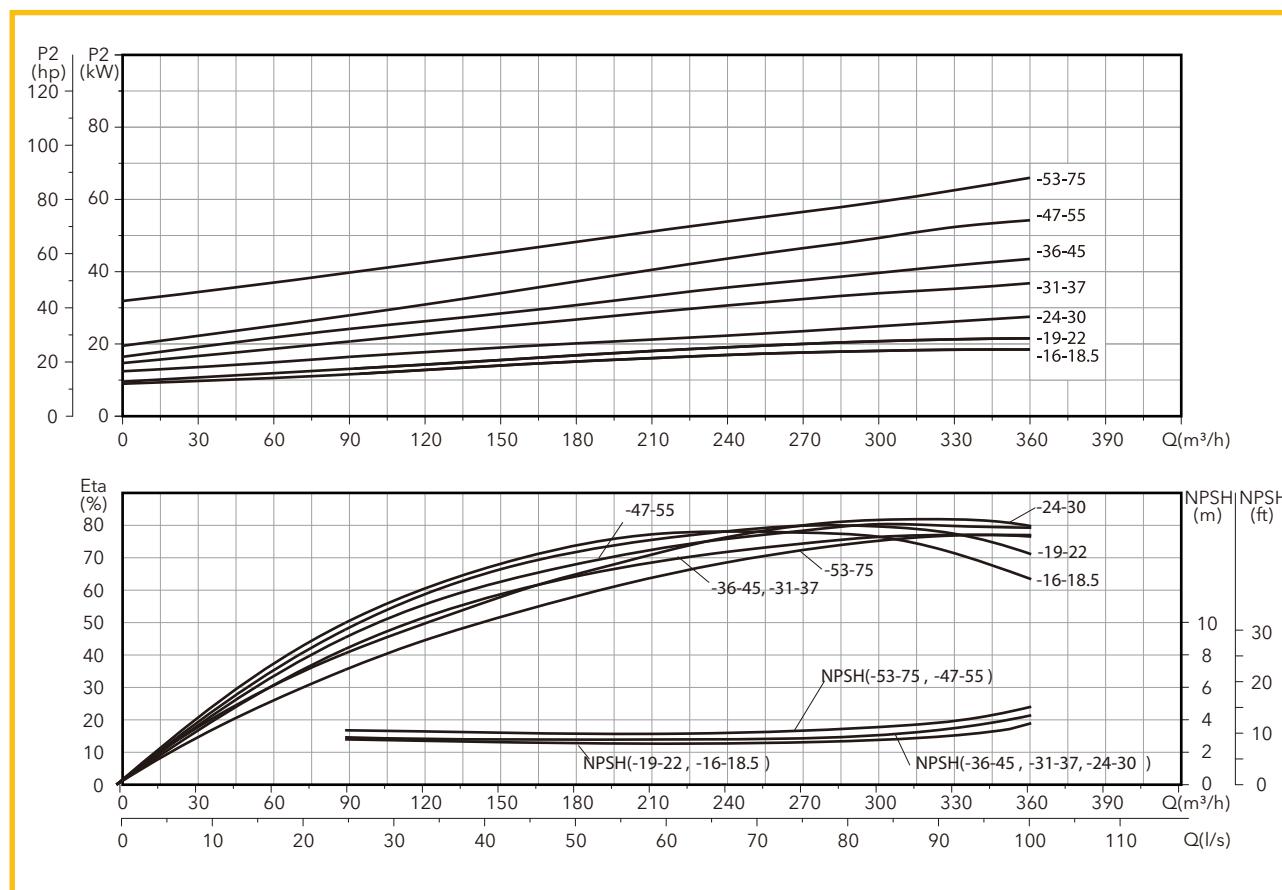
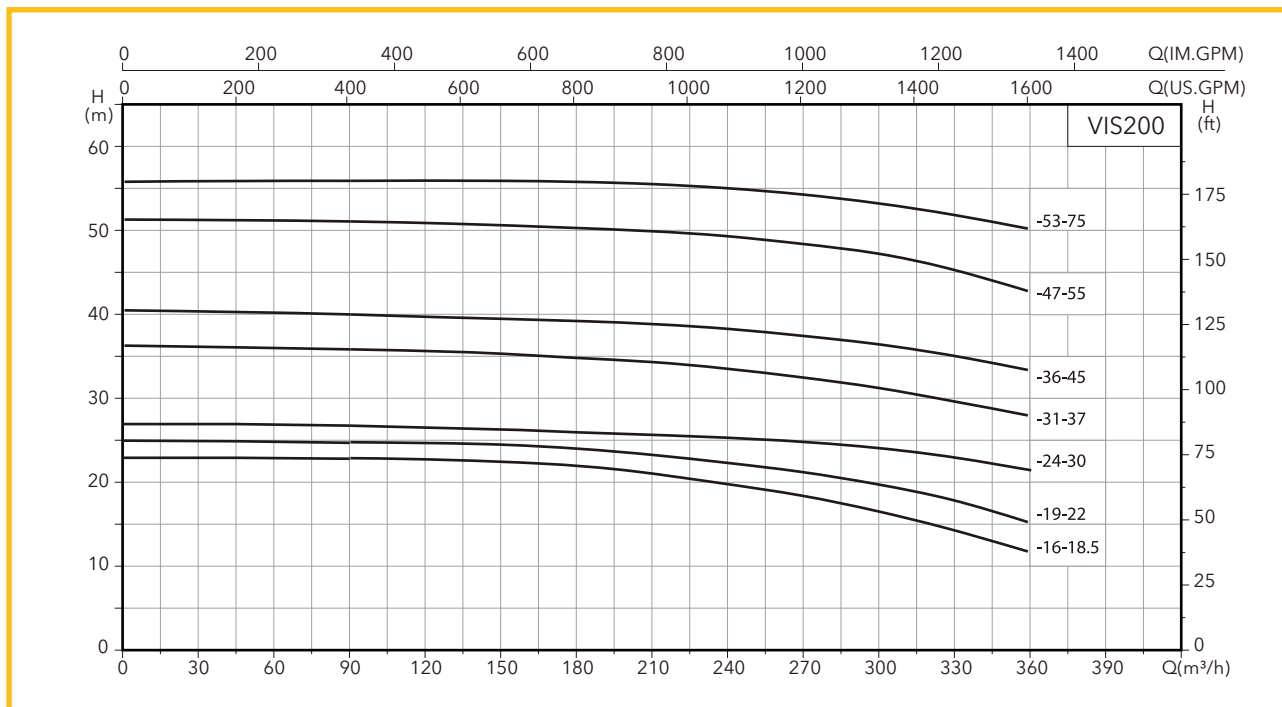


SIZE AND WEIGHT

Model	Size[mm]													Weight
	D	B1	B2	B3	B4	B5	H1	H2	H2*	H3	H3*	L1	L2	(kg)
VIS150-12.5-11/4	350	314	261	217	180	230	175	297	397	972	1072	660	330	260(274)
VIS150-17-15/4	350	314	261	217	180	230	175	297	397	1016	1116	660	330	281(295)
VIS150-22-18.5/4	350	355	273	217	180	230	175	297	397	1049	1149	660	330	312(323)
VIS150-25-22/4	350	355	273	238	208	230	215	269	372	1061	1164	800	400	365(384)
VIS150-33-30/4	400	397	314	238	208	230	215	269	385	1136	1252	800	400	445(465)
VIS150-40-37/4	450	445	334	267	248	230	230	288	416	1212	1340	900	450	518(544)
VIS150-50-45/4	450	445	334	267	248	230	230	288	416	1212	1340	900	450	570(595)

HYDRAULIC PERFORMANCE CURVES

1450rpm

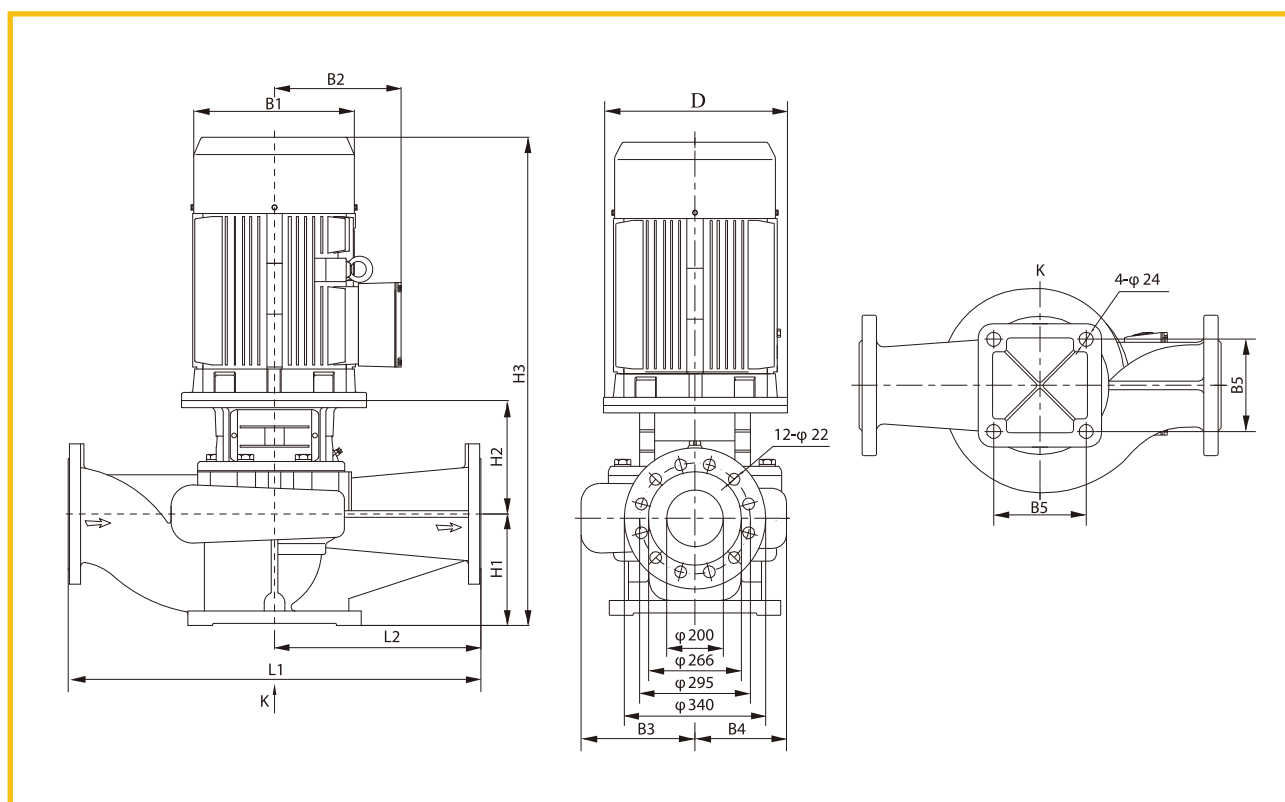


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	90	120	150	180	210	240	270	300	330	360
VIS200-16-18.5/4	18.5	H(m)	22.6	22.4	22.2	21.7	20.7	19.4	18.1	16	14	11.5
VIS200-19-22/4	22		24.4	24.3	24.2	23.7	23	22	20.9	19	17.6	15
VIS200-24-30/4	30		26.1	26	25.8	25.7	25.4	25.1	24.6	24	23.1	21.5
VIS200-31-37/4	37		35.4	35.3	35	34.5	33.9	33.2	32.2	31	29.3	27.6
VIS200-36-45/4	45		39.6	39.4	39.1	38.8	38.5	37.7	37	36	34.7	33
VIS200-47-55/4	55		50.6	50.5	50.2	49.8	49.5	48.9	48	47	44.9	42.4
VIS200-53-75/4	75		55.7	55.7	55.7	55.5	55.3	54.8	54	53	51.6	50

STRUCTURE SIZE

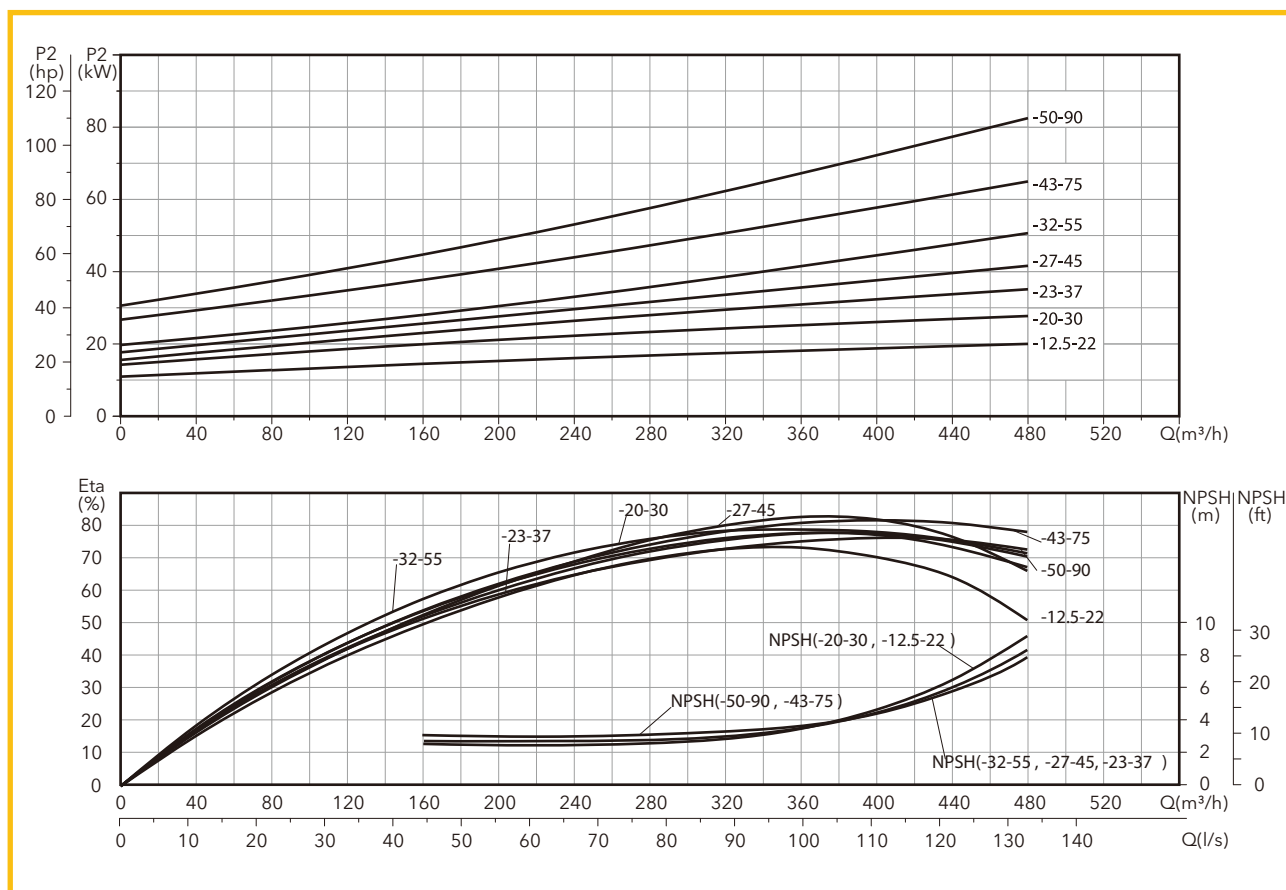
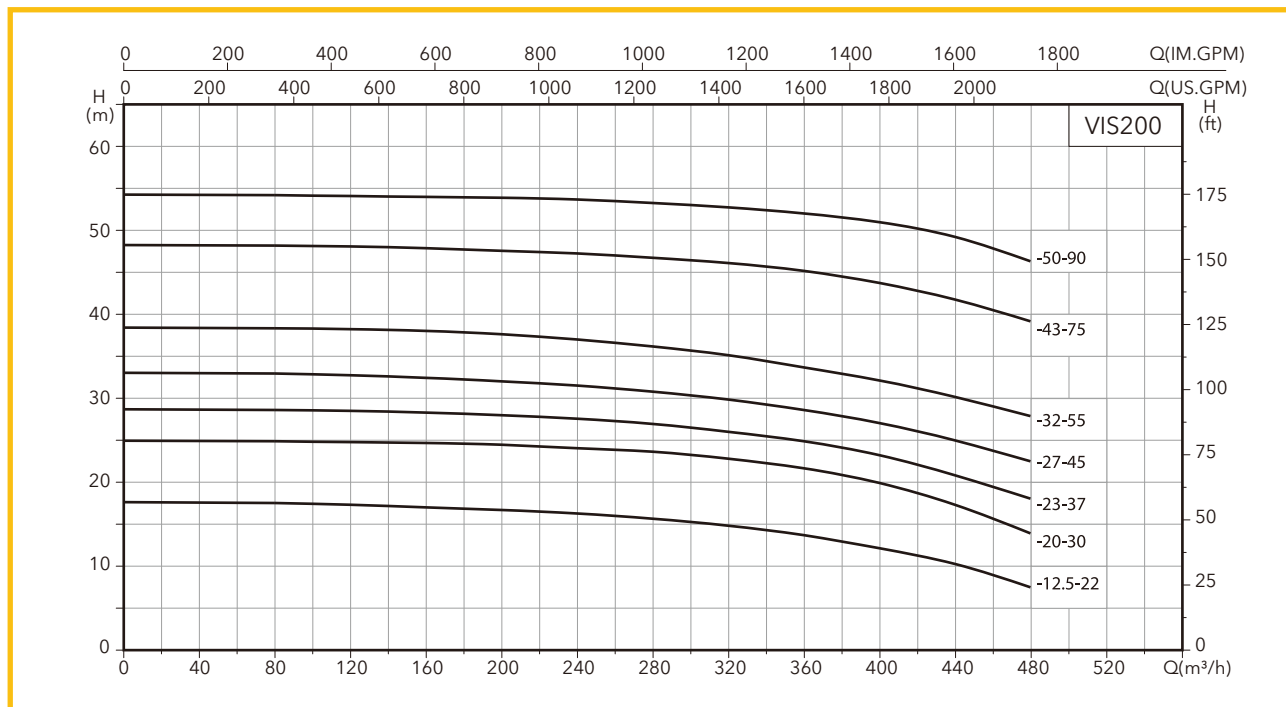


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS200-16-18.5/4	350	355	273	278	219	360	270	415	1265	1000	500	417
VIS200-19-22/4	350	355	273	278	219	360	270	415	1305	1000	500	434
VIS200-24-30/4	400	397	314	303	252	360	270	415	1335	1100	550	537
VIS200-31-37/4	450	445	334	303	252	360	270	445	1395	1100	550	602
VIS200-36-45/4	450	445	334	303	252	360	270	445	1420	1100	550	648
VIS200-47-55/4	550	484	367	315	269	360	270	457	1517	1100	550	744
VIS200-53-75/4	550	547	407	315	269	360	270	457	1587	1100	550	877

HYDRAULIC PERFORMANCE CURVES

1450rpm

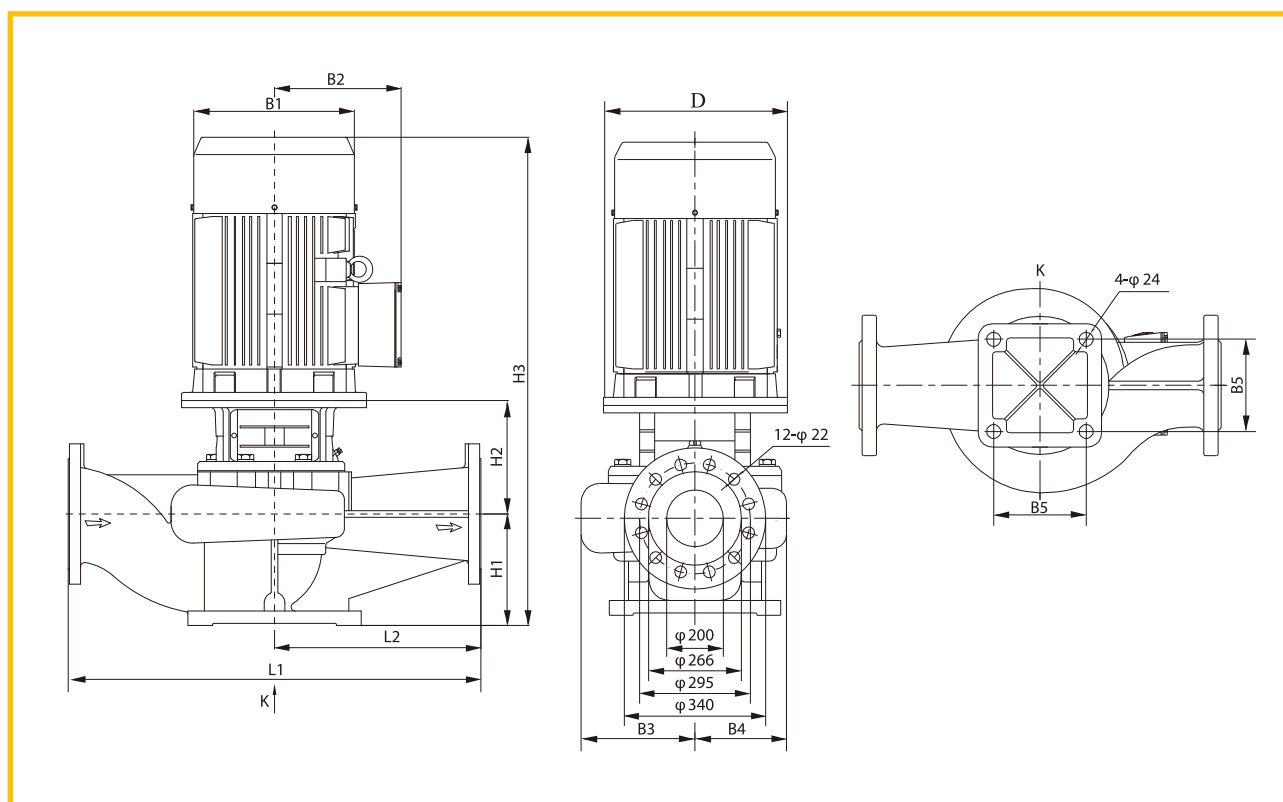


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m ³ /h]	160	200	240	280	320	360	400	440	480
VIS200-12.5-22/4	22	H(m)	17.2	16.9	16.5	15.9	15.1	14	12.5	10.7	8
VIS200-20-30/4	30		24.6	24.4	24	23.6	22.8	21.7	20	17.5	14.2
VIS200-23-37/4	37		28.1	27.8	27.4	26.8	25.9	24.8	23	20.9	18.2
VIS200-27-45/4	45		32.1	31.7	31.2	30.5	29.6	28.4	27	24.9	22.5
VIS200-32-55/4	55		37.5	37.1	36.5	35.7	34.7	33.3	32	29.9	27.7
VIS200-43-75/4	75		47	46.7	46.1	45.9	45.3	44.4	43	41.1	38.6
VIS200-50-90/4	90		52.9	52.8	52.6	52.2	51.7	51	50	48.3	45.5

STRUCTURE SIZE

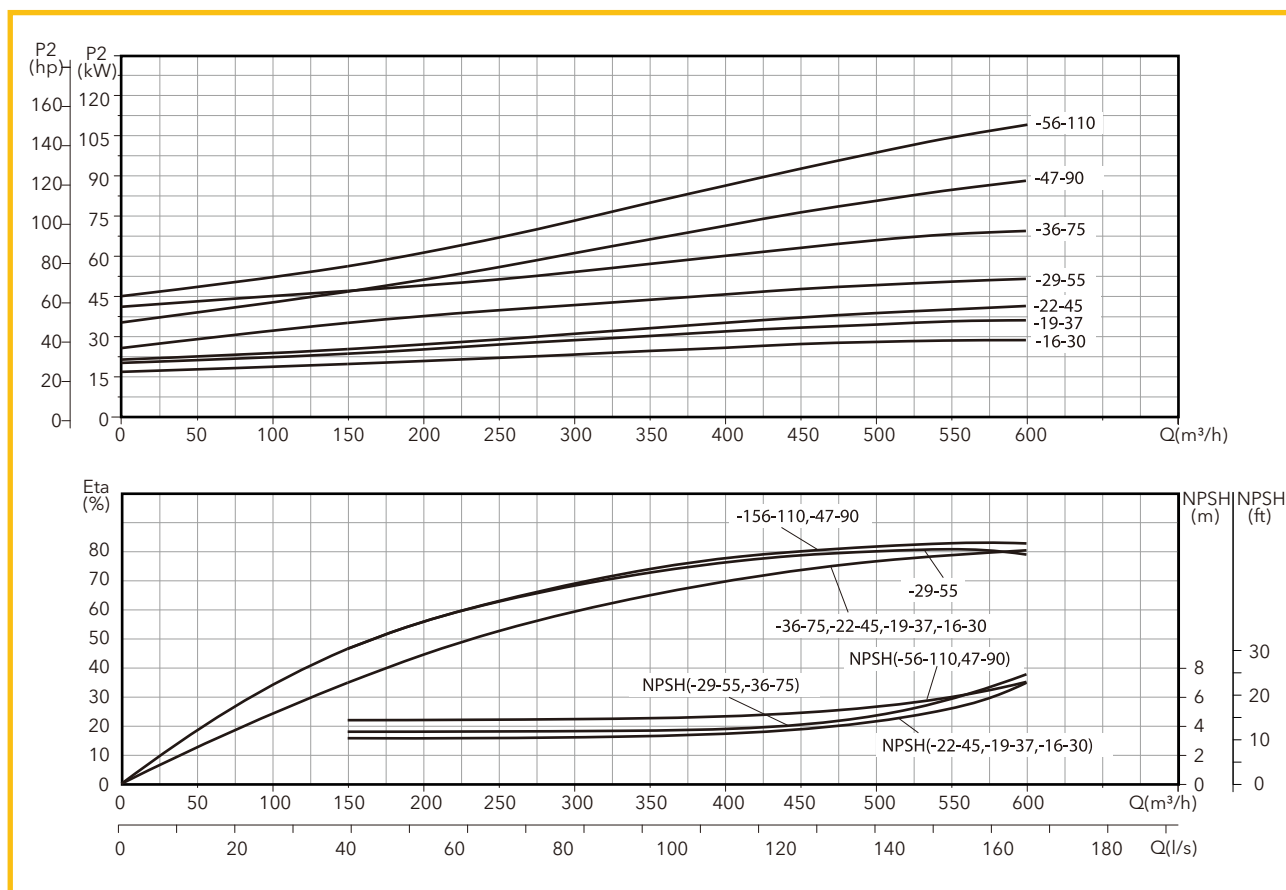
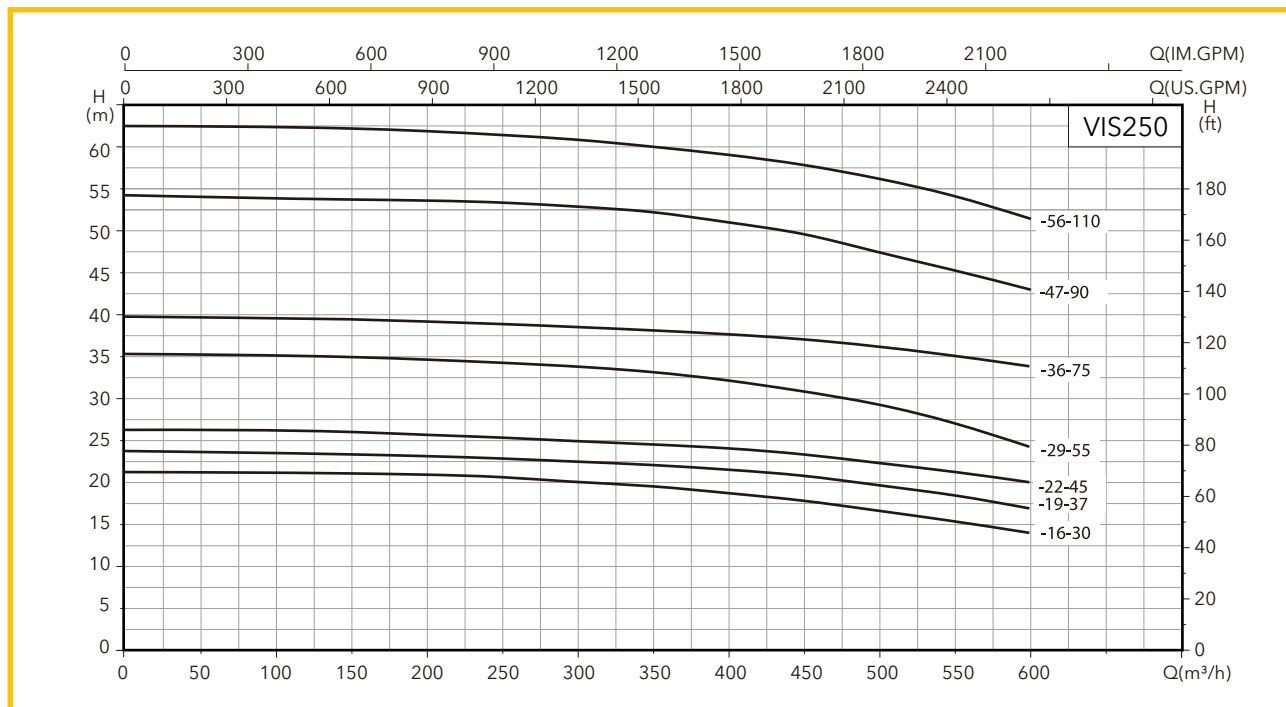


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS200-12.5-22/4	350	355	273	278	219	360	270	415	1300	1000	500	432
VIS200-20-30/4	400	397	314	278	219	360	270	415	1334	1000	500	492
VIS200-23-37/4	450	445	334	303	252	360	270	445	1389	1100	550	602
VIS200-27-45/4	450	445	334	303	252	360	270	445	1412	1100	550	638
VIS200-32-55/4	550	484	367	303	252	360	270	445	1488	1100	550	710
VIS200-43-75/4	550	547	407	315	269	360	270	457	1556	1100	550	883
VIS200-50-90/4	550	547	407	315	269	360	270	457	1607	1100	550	975

HYDRAULIC PERFORMANCE CURVES

1450rpm

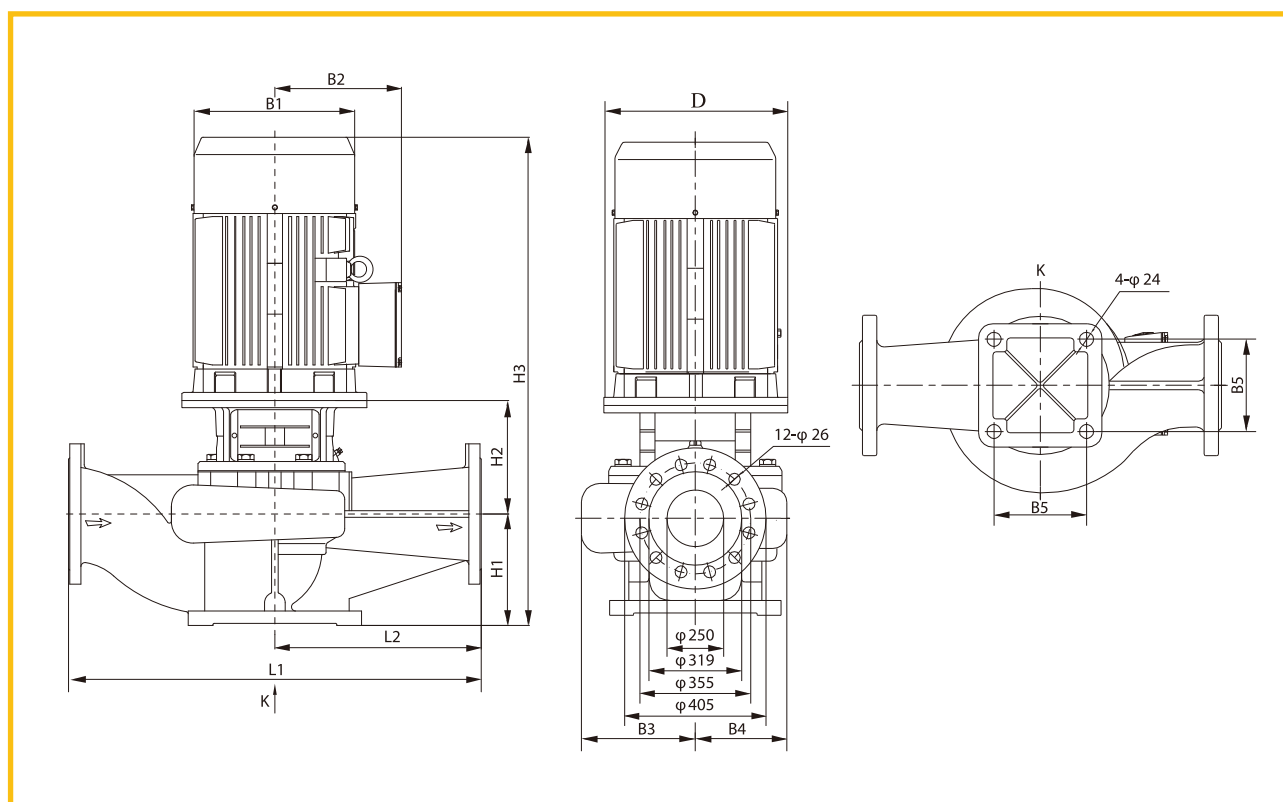


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	150	200	250	300	350	400	450	500	550	600
VIS250-16-30/4	30	H(m)	20.5	20.4	20.1	19.6	19	18.2	17.3	16	14.7	13.3
VIS250-19-37/4	37		22.7	22.4	22.1	21.7	21.3	20.8	20.1	19	17.9	16.6
VIS250-22-45/4	45		25.7	25.3	25.1	24.7	24.3	23.8	23.1	22	21	19.7
VIS250-29-55/4	55		34.6	34.4	34	33.4	32.6	31.8	30.6	29	26.8	23.9
VIS250-36-75/4	75		39.1	38.8	38.5	38.2	37.8	37.3	36.8	36	34.3	32.5
VIS250-47-90/4	90		53.3	53.1	52.9	52.4	51.8	50.6	49.2	47	45	42.5
VIS250-56-110/4	110		61.6	61.4	60.9	60.2	59.5	58.6	57.4	56	53.8	51

STRUCTURE SIZE

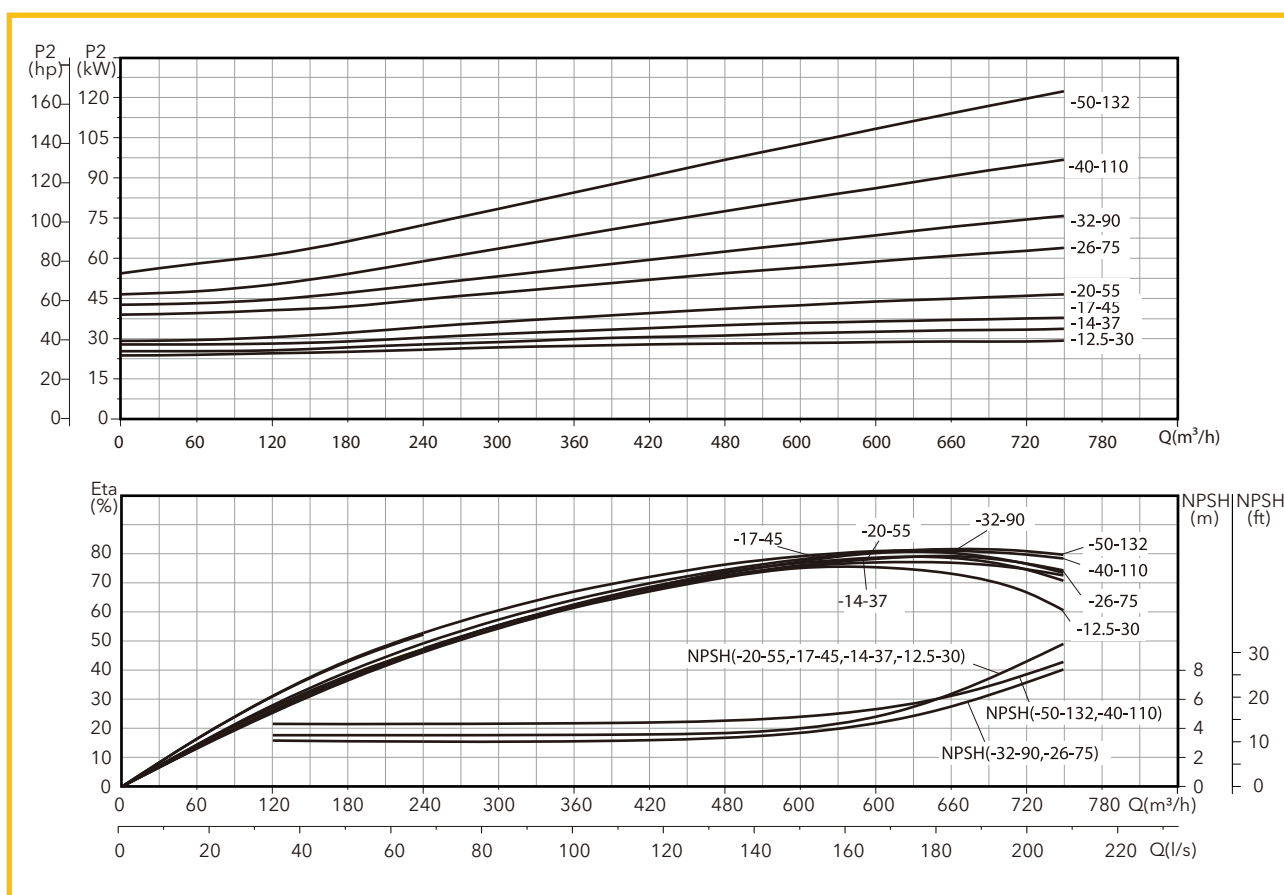
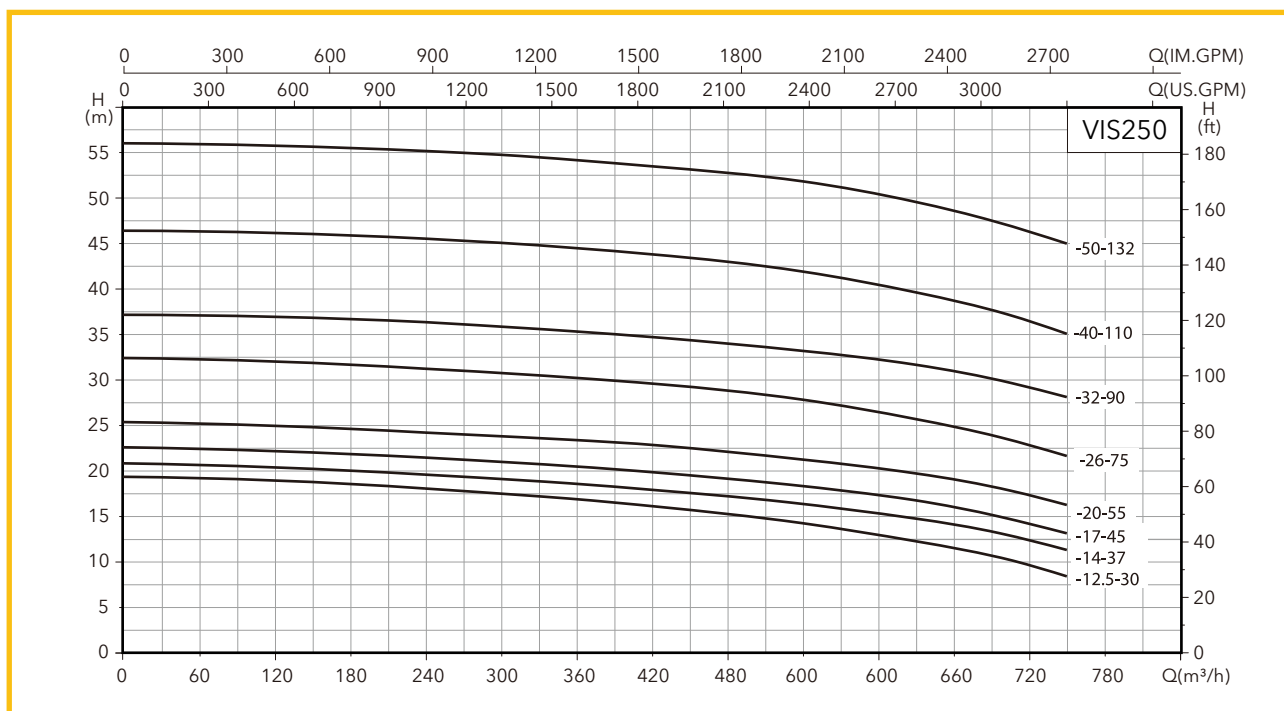


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS250-16-30/4	400	397	314	316	243	390	300	465	1430	1100	550	550
VIS250-19-37/4	450	445	334	316	243	390	300	495	1475	1100	550	611
VIS250-22-45/4	450	445	334	316	243	390	300	495	1500	1100	550	647
VIS250-29-55/4	550	484	367	329	264	440	300	507	1597	1100	550	773
VIS250-36-75/4	550	547	407	329	264	440	300	507	1667	1100	550	909
VIS250-47-90/4	550	547	407	347	292	440	305	485	1700	1200	600	1030
VIS250-56-110/4	660	645	535	347	292	440	305	525	1860	1200	600	1389

HYDRAULIC PERFORMANCE CURVES

1450rpm

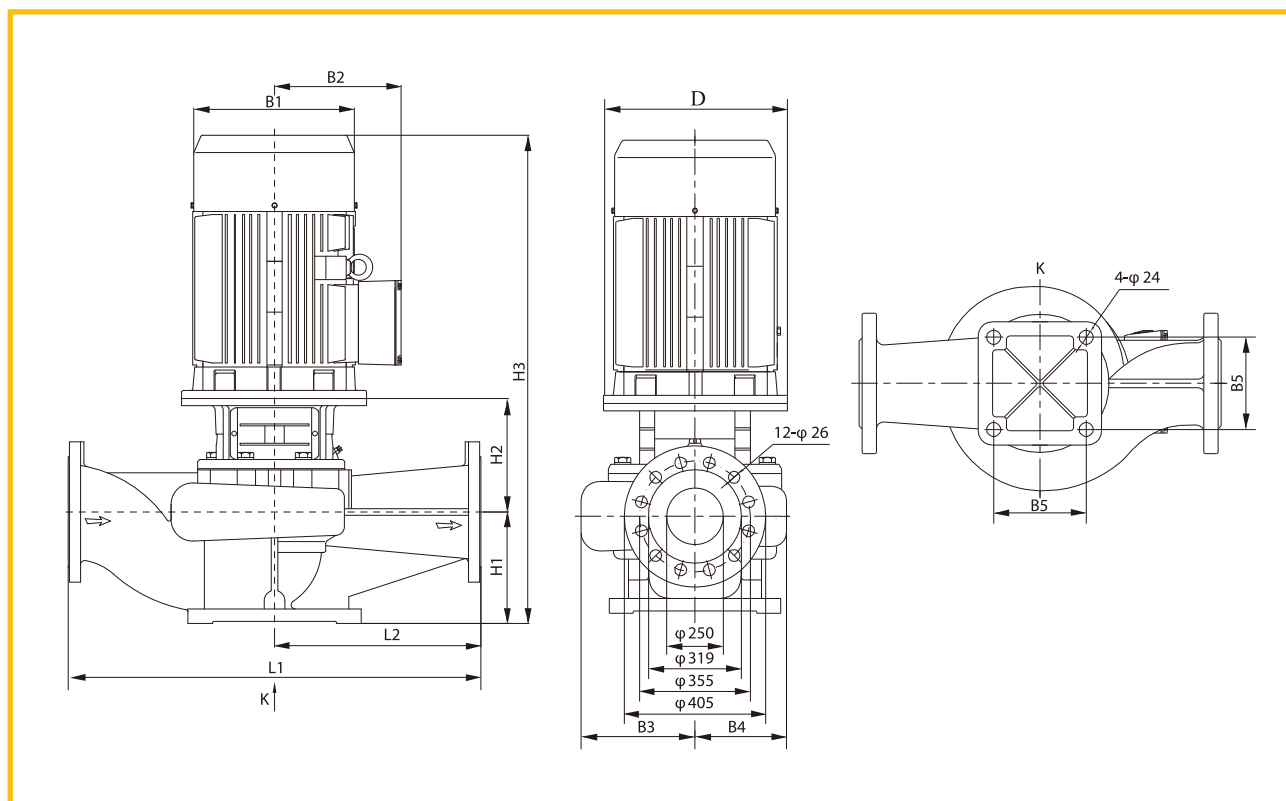


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	240	300	360	420	480	540	600	630	660	720	750
VIS250-12.5-30/4	30	H(m)	18.4	17.9	17.2	16.4	15.5	14.5	13.2	12.5	11.8	9.9	8.7
VIS250-14-37/4	37		20	19.5	18.9	18.2	17.5	16.6	15.6	14	13.4	12.6	11.6
VIS250-17-45/4	45		21.8	21.3	20.8	20.1	19.4	18.6	17.6	17	16.3	14.4	13.4
VIS250-20-55/4	55		24.5	24.1	23.7	23.1	22.4	21.5	20.5	20	19.3	17.6	16.5
VIS250-26-75/4	75		31.7	31.1	30.6	29.9	29.1	28.2	26.8	26	25.2	23.1	21.9
VIS250-32-90/4	90		36.7	36.3	35.7	35.1	34.3	33.5	32.6	32	31.3	29.5	28.4
VIS250-40-110/4	110		46	45.5	44.9	44.2	43.4	42.3	40.8	40	39.1	38.8	35.5
VIS250-50-132/4	132		55.6	55.2	54.6	53.9	53.2	52.3	50.9	50	49	46.7	45.4

STRUCTURE SIZE

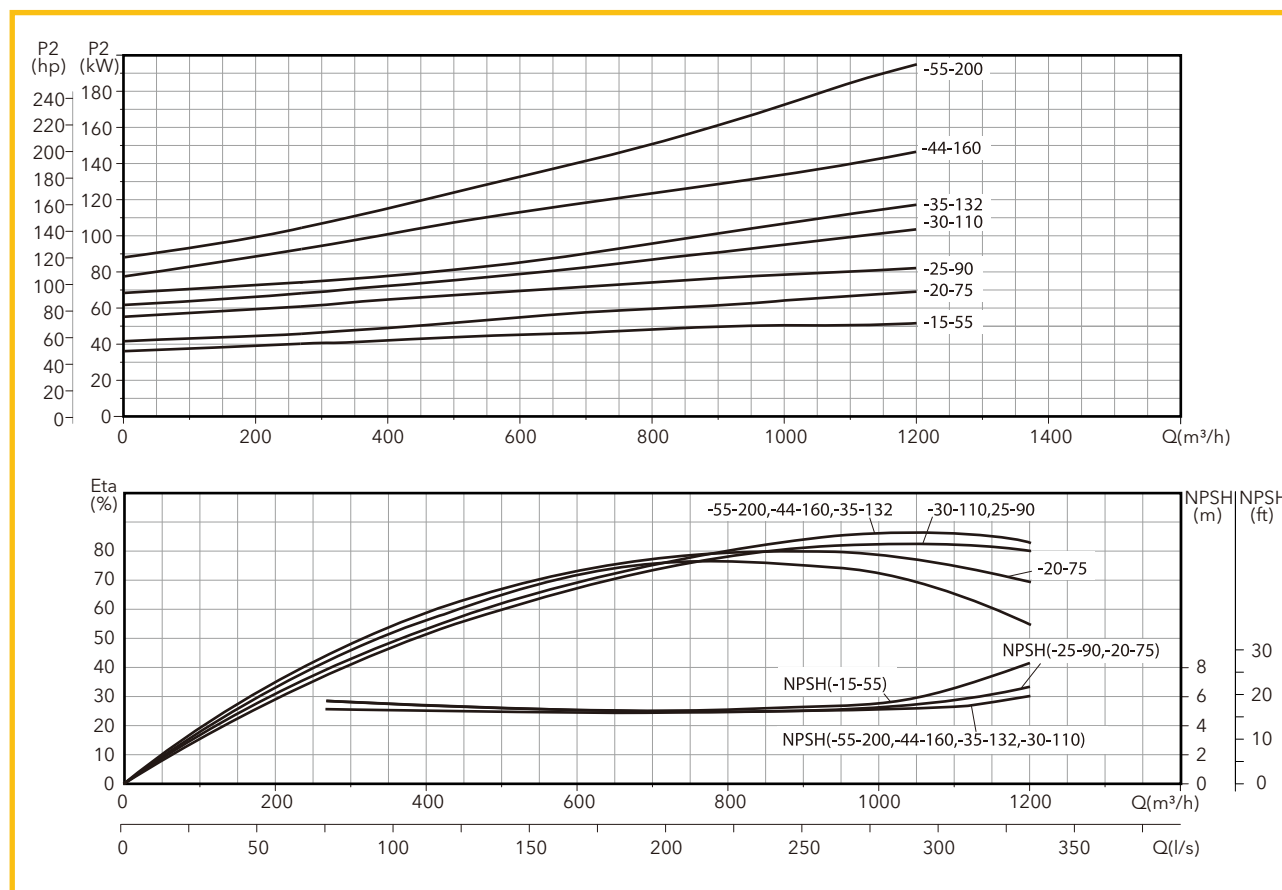
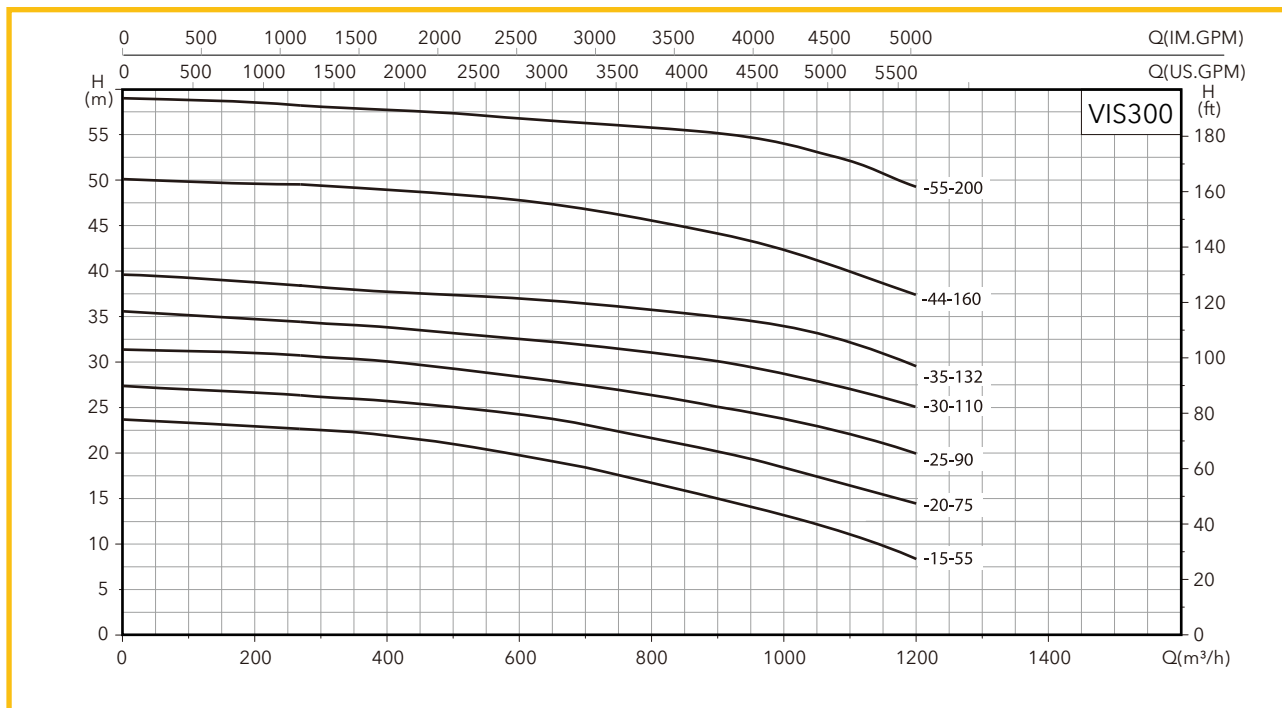


SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS250-12.5-30/4	400	397	314	316	243	390	300	465	1414	1100	550	552
VIS250-14-37/4	450	445	334	316	243	390	300	495	1469	1100	550	613
VIS250-17-45/4	450	445	334	316	243	390	300	495	1492	1100	550	649
VIS250-20-55/4	550	484	367	316	243	390	300	495	1568	1100	550	722
VIS250-26-75/4	550	547	407	329	264	440	300	507	1636	1100	550	909
VIS250-32-90/4	550	547	407	329	264	440	300	507	1687	1100	550	999
VIS250-40-110/4	660	645	535	347	292	440	305	525	1840	1200	600	1389
VIS250-50-132/4	660	645	535	347	292	440	305	525	1990	1200	600	1473

HYDRAULIC PERFORMANCE CURVES

1450rpm

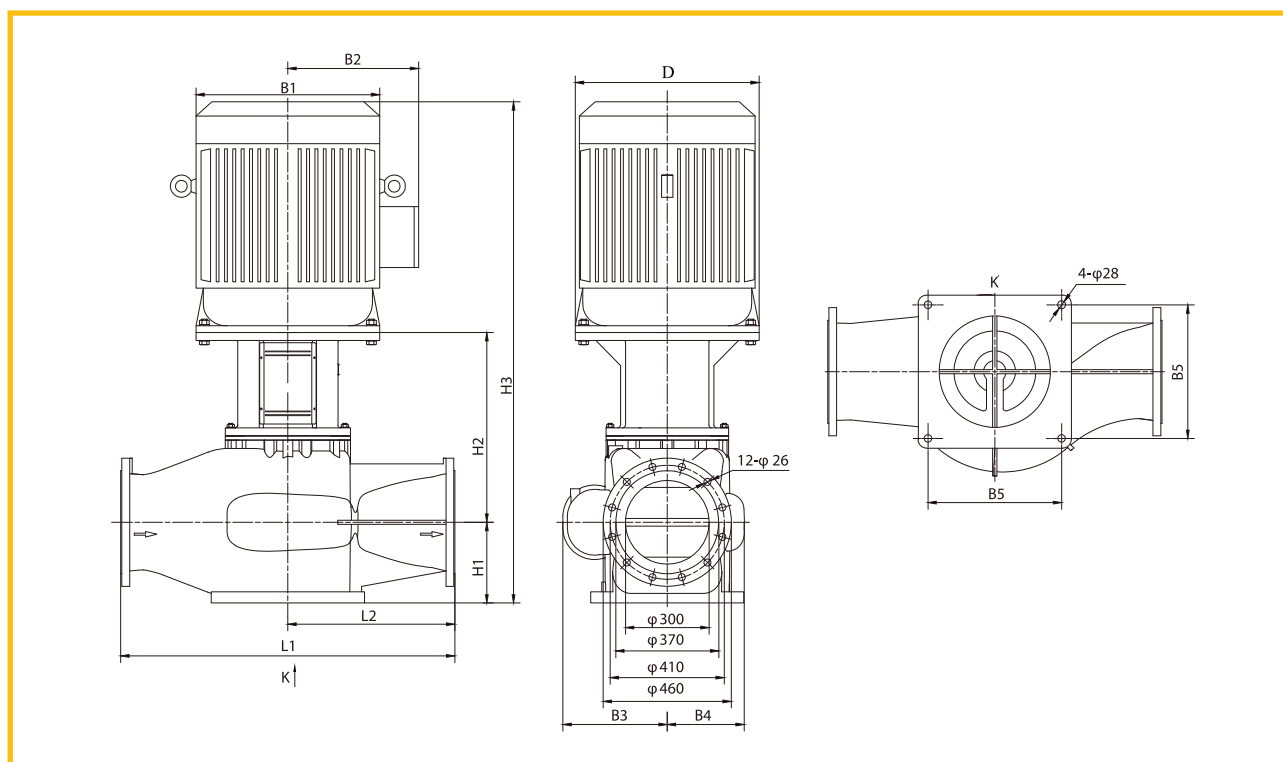


Specifications can be changed without notice

TECHNICAL DATA

Model	Power (kW)	Q[m³/h]	270	360	450	630	750	1080	1200
VIS300-15-55/4	55	H(m)	22.7	22.3	21.6	19.5	17.8	11.6	8.5
VIS300-20-75/4	75		26.4	26	25.5	24.1	22.4	17.1	14.5
VIS300-25-90/4	90		30.8	30.4	29.8	28.2	27.1	22.5	20
VIS300-30-110/4	110		34.5	34	33.5	32.4	31.6	27.5	25
VIS300-35-132/4	132		38.6	38.1	37.8	36.9	36	32.6	29.6
VIS300-44-160/4	160		49.5	49.2	48.8	47.6	46.3	40.5	37.5
VIS300-55-200/4	200		58.2	57.9	57.6	56.7	56.1	52.5	49.2

STRUCTURE SIZE



SIZE AND WEIGHT

Model	Size[mm]											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VIS300-15-55/4	550	484	367	345	250	440	290	649	1720	1200	600	907
VIS300-20-75/4	550	547	407	345	250	440	290	649	1770	1200	600	1075
VIS300-25-90/4	550	547	407	380	280	480	290	659	1850	1200	600	1230
VIS300-30-110/4	660	645	535	380	280	480	290	699	2000	1200	600	1570
VIS300-35-132/4	660	645	535	380	280	480	290	699	2150	1200	600	1650
VIS300-44-160/4	660	645	535	380	295	480	290	702	2150	1200	600	1790
VIS300-55-200/4	660	645	535	380	295	480	290	702	2150	1200	600	1905

MCKARLEN

McKarlen Limited (UK),
Obart House Liphook Way, 20/20 Industrial Estate,
Maidstone, Kent, ME 16 OFZ

www.mckarlen.vn