



VS & VC
— SERIES —

VERTICAL SINGLE STAGE IN-LINE PUMPS - 50Hz



C.R.I. PUMPS

Pumping trust. Worldwide.

T H E B E G I N N I N G

of C.R.I., way back in 1961, was a resolute attempt to produce a few irrigation equipments using the limited facilities of an in-house foundry. Eventually the founder's dream was coming true as the small production unit he started kept growing rapidly. Now, after more than five eventful decades, it is an enormous, widely reputed organization, which produces more than 1500 varieties of perfectly engineered pumps and motors and sells its products in numerous countries spread across 6 continents.

C . R . I . I S O N E A M O N G

the few pioneers in the world to produce 100% stainless steel submersible pumps. Having achieved a record production capacity of over 2 million pumps per annum, today C.R.I. is rubbing its shoulders with the best brands in the world, with advanced technology and safety standards as its hallmarks.

T H E I N F R A S T R U C T U R E

of C.R.I. is pretty comprehensive with state-of-the-art machineries and high potential in-house R&D recognised by the ministry of science and technology, Govt. of India - all within its own covered area of 300,000 square metres. The production environment is accredited with ISO 9001 & 14001 certifications and the products are CE, UR/UL, IEC, TSE & ISI certified. The R&D team always stays in tune with the changing scenario and seldom fails in coming up with outstanding solutions every time.

N E E D L E S S T O S A Y ,

behind this legendary growth lies the untiring, innovative, enthusiastic and dedicated team work. and, of course, a flawlessly maintained value system too. The name C.R.I. itself encapsulates the company's ethos: "Commitment, Reliability, Innovation".



VERTICAL SINGLE STAGE **INLINE PUMPS**

CONTENT

Applications, Features & Model Identification Code	2
Technical Data, Operation Limits & Inlet Pressure	3
VS SERIES	
Cross Sectional Drawing	4
Dimensions & Weight	5
Performance Table	6-7
Performance Curves	8-16
VC SERIES	
Cross Sectional Drawing	18
Exploded View	19
Performance Table, Dimensions & Weight and	
Performance Curves	20-45
Notes	46-48

GENERAL

C.R.I. Vertical single stage in line pump's volute casing and impellers are uniquely designed to give the best possible hydraulic and suction lift characteristics. This pump can be used to pump clean, thin, non-aggressive and non-explosive liquids without solid particles and fibers. Most modern and highly sophisticated machinery and technology are employed in the manufacture of these pumps using quality raw material, dynamically balanced impellers, seals and ball bearings to ensure long life. The top pull out design simplifies the maintenance work and allows to remove the rotating assembly without disturbing the pipe lines. Dynamically balanced rotor ensures vibration and noise free operation. Shaft is made of quality steel, precision ground of ample size for transmitting the rated Horse Power. The VS series pumps are single shaft type in which motor shaft is extended to pump portion where as in VC Series the motor and pump shaft are coupled together using a coupling.

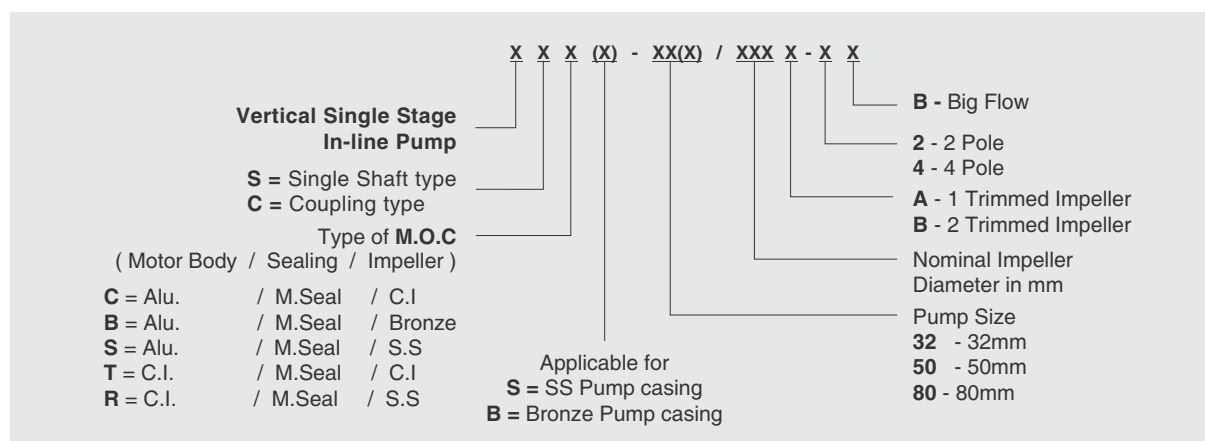
Applications : | HVAC | Industrial water supply | High pressure water supply | Boiler feed | Washing systems | Cooling towers.

Features : | High operating efficiency | Precise parts for hygiene | Good suction lift and operating pressure | Dynamically balanced rotating parts | Top pullout design ensures easy dismantling & service | Balanced and rigid construction | Available M.O.C. Type S, N & C.

IMPORTANT NOTES

Pump should not be operated dry | Install dry run prevention to protect the pumpset from dry running | Use appropriate size, good quality cable and starter / protection devices | Use low friction good quality pipes | The pipe diameters must never be smaller than the pump connections | Install pump according to our recommended head range | Reduce number of bends, elbows, T-bends as much as possible in the pipe line | All pumpsets employ a prime mover motor of suitable size | Avoid fatal electrical shock or injury by disconnecting power before working on or around the pumping system | Only technically qualified personnel must perform the works complying with local electricity rules and regulations | To reduce the risk of electrical shock during operation, an appropriate earthing is mandatory | maximum permissible supply voltage should lie between $\pm 10\%$ of the rated voltage | The performance data and curves are at rated voltage and only indicative | Product pictures shown are only for illustration purpose and the actual product may vary than they appear in picture.

MODEL IDENTIFICATION CODE

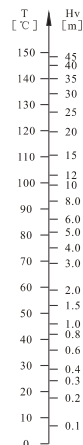
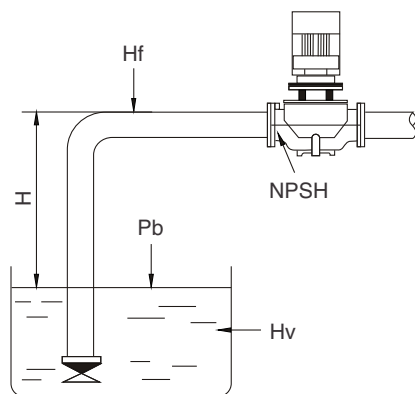


TECHNICAL DATA

	VS SERIES	VC SERIES
Power Range	0.37 to 11 kW (2900 rpm)	1.1 to 30 kW (2900 rpm) 5.5 to 132 kW (1450 rpm)
Degree of protection	IP 55 (Optional IP44 / IP54)	
Insulation class	'F' (Optional 'B')	
Versions	Single Phase 230V, 50Hz, A.C. Supply (0.37 - 2.2kW) (Permanent Split Capacitor-PSC) Three Phase 380-415V, 50Hz, A.C. Supply (0.37 - 132kW)	
Sealing	Mechanical seal : VS Series - Carbon / Ceramics VC Series - Carbon / Silicon Carbide	
Direction of rotation	Anti-clockwise viewed from driving end	
Type of Duty	S1 (continuous)	
Flange type	Round	

OPERATION LIMITS	VS SERIES	VC SERIES
Maximum Liquid Temperature	- 10°C to + 80°C	- 15°C to + 110°C
Maximum Ambient Temperature	40°C	40°C
Maximum Operating Pressure Range	16 bar	16 bar
Maximum Head	89 m	87 m

INLET PRESSURE



MAXIMUM INLET PRESSURE

Total of inlet pressure and the shut off pressure (Head) should always be lower than the "maximum operating pressure".

MINIMUM INLET PRESSURE

In case the pressure in pump is lower than vapour pressure of pumped liquid, cavitation will occur. To avoid the cavitation, and reduce the vibration and noise, a mini. inlet pressure should be guaranteed.

The following formula can be used for calculation of minimum inlet pressure :

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

H : Maximum suction head (m)

Pb : Atmosphere pressure (bar)

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

NPSH : Net positive suction head (m)

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

Hf : Pipeline loss at the inlet (m)

It is in accordance with pipeline possible Max.flow.

Hv : Vapour pressure (m)

It depends on liquid temperature and system pressure value.

Hs : Safety margin (m)

Minimum 0.5m delivery head

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

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

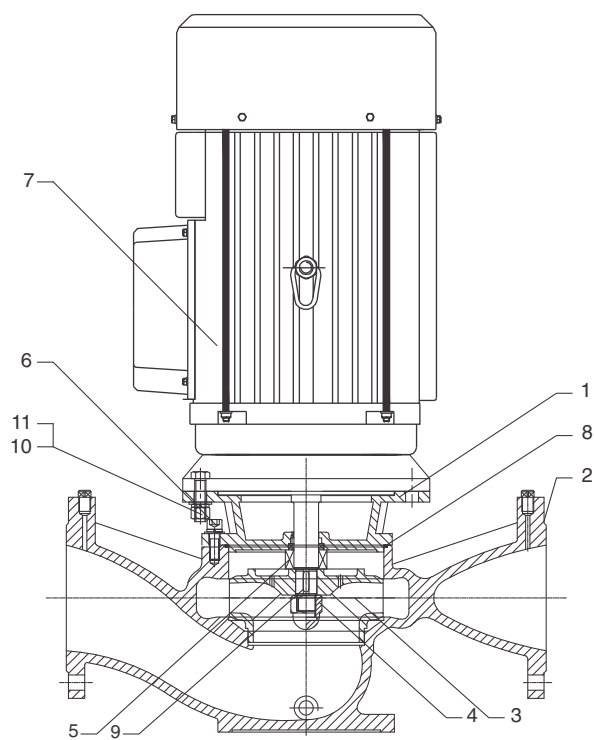
1. The liquid temperature is comparatively higher.
2. Liquid flow exceeds rated value.
3. Suction head is comparatively large or inlet pipeline long.
4. System pressure is too low.
5. Bad inlet condition.

VERTICAL INLINE PUMPS

VS SERIES - SINGLE SHAFT TYPE

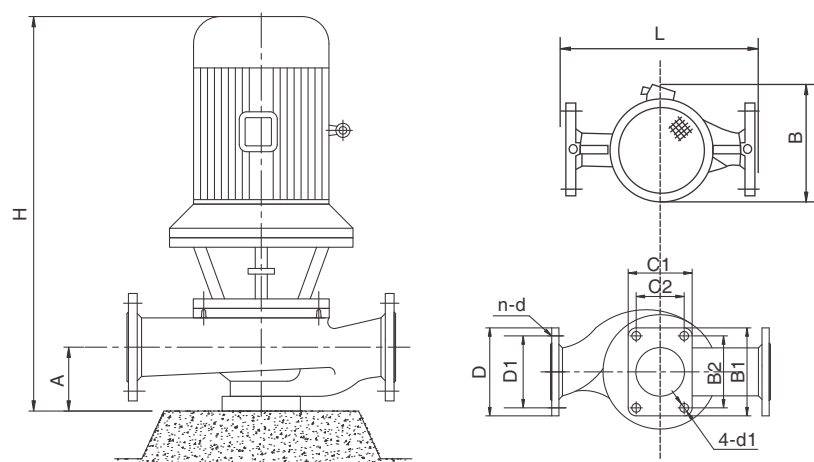


CROSS SECTIONAL DRAWING



Part No.	Part Name	Material
1	Pump Bracket	Cast Iron FG 200
2	Pump Casing	Cast Iron FG 200
3	Impeller	Cast Iron FG 200
4	Impeller Nut	Carbon Steel
5	Mechanical Seal	Carbon / Ceramics
6	Nut	Carbon Steel
7	Motor	Cast Iron FG 200
8	O-ring	-
9	Key	-
10	Screw	-
11	Gasket	-

DIMENSIONAL DRAWING



DIMENSIONS & WEIGHT

MODEL	Overall Dimensions				Mounting Dimensions			Dimensions of inlet and outlet flange			Weight in kg
	L	B	H	C1XB1	A	C2XB2	4-d1	D	D1	n-d	
VST-25/110-2	260	230	415	80x110	60	50x80	4-Ø14	Ø115	Ø 85	4-Ø14	26
VST-25/125-2	260	230	435	80x110	75	50x80	4-Ø14	Ø115	Ø 85	4-Ø14	28
VST-25/160A-2	300	270	415	90x130	65	60x100	4-Ø14	Ø115	Ø 85	4-Ø14	34
VST-25/160-2	300	270	430	90x130	65	60x100	4-Ø14	Ø115	Ø 85	4-Ø14	39
VST-32/100-2	260	230	445	100x150	72	60x100	4-Ø14	Ø140	Ø100	4-Ø14	27
VST-32/125A-2	260	230	435	90x130	72	60x100	4-Ø14	Ø140	Ø100	4-Ø18	28
VST-32/125-2	260	230	435	90x130	72	60x100	4-Ø14	Ø140	Ø100	4-Ø18	28
VST-32/160A-2	320	370	415	90x130	90	60x100	4-Ø14	Ø150	Ø110	4-Ø18	38
VST-32/160-2	320	270	505	100x150	85	70x115	4-Ø14	Ø140	Ø100	4-Ø18	39
VST-32/160-2B	320	270	505	100x150	90	70x115	4-Ø14	Ø150	Ø110	4-Ø18	47
VST-32/200-2	340	330	540	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	55
VST-32/200-2B	340	330	560	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	43
VST-40/100A-2	260	230	445	100x150	85	70x115	4-Ø14	Ø150	Ø110	4-Ø18	32
VST-40/100-2	260	230	445	100x150	85	70x115	4-Ø14	Ø150	Ø110	4-Ø18	32
VST-40/100A-2B	300	230	455	120x170	90	80x135	4-Ø14	Ø150	Ø110	4-Ø18	32
VST-40/125A-2	280	230	445	100x150	85	70x115	4-Ø14	Ø150	Ø110	4-Ø18	33
VST-40/100-2B	300	230	455	120x170	90	80x135	4-Ø14	Ø150	Ø110	4-Ø18	34
VST-40/125A-2B	300	240	450	120x170	90	80x135	4-Ø14	Ø150	Ø110	4-Ø18	33
VST-40/125-2	280	230	445	100x150	85	70x115	4-Ø14	Ø150	Ø110	4-Ø18	34
VST-40/160B-2	320	270	470	100x150	90	70x115	4-Ø14	Ø150	Ø110	4-Ø18	38
VST-40/125-2B	300	240	465	120x170	90	80x135	4-Ø14	Ø150	Ø110	4-Ø18	38
VST-40/160B-2B	340	300	490	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	43
VST-40/160A-2	320	270	485	100x150	90	70x115	4-Ø14	Ø150	Ø110	4-Ø18	43
VST-40/160A-2B	340	300	515	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	47
VST-40/160-2	320	270	505	100x150	90	70x115	4-Ø14	Ø150	Ø110	4-Ø18	47
VST-40/200B-2	340	330	505	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	52
VST-40/160-2B	340	300	550	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	56
VST-40/200B-2B	360	350	550	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	63
VST-40/200A-2	340	330	540	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	62
VST-40/200A-2B	360	350	570	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	75
VST-40/200-2	340	330	560	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	74
VST-40/200-2B	360	350	635	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	85
VST-40/250B-2	400	405	565	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	77
VST-40/250A-2B	450	360	650	140x200	105	100x160	4-Ø18	Ø150	Ø110	4-Ø18	95
VST-40/250-2	400	405	630	120x170	95	80x135	4-Ø14	Ø150	Ø110	4-Ø18	105
VST-40/250-2B	450	430	780	140x200	105	100x160	4-Ø18	Ø150	Ø110	4-Ø18	145

* All dimensions are in mm.

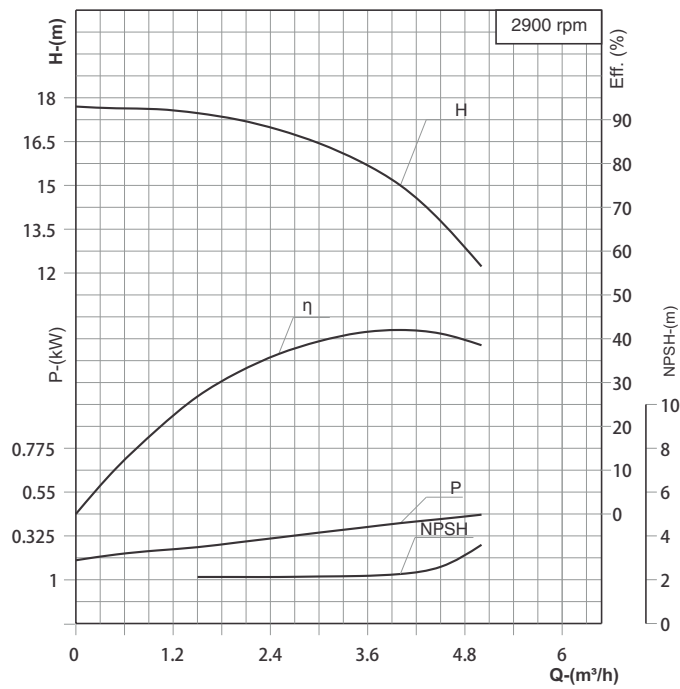
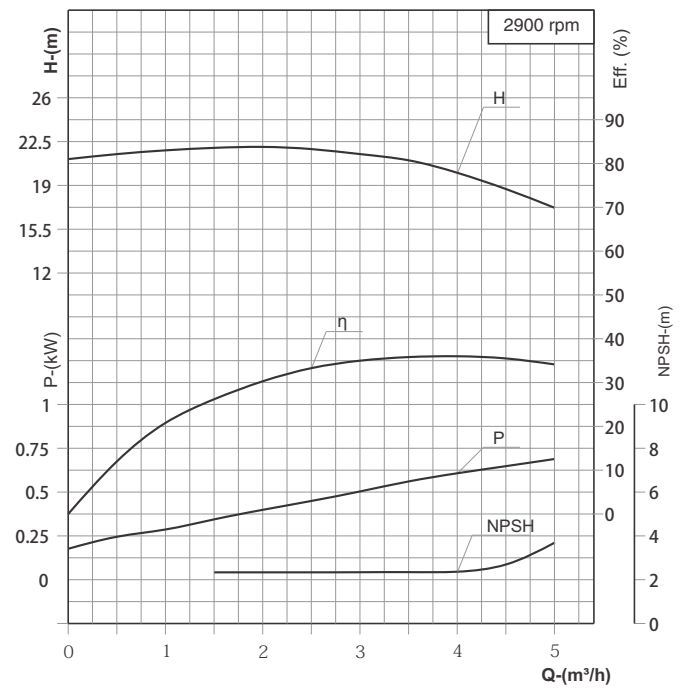
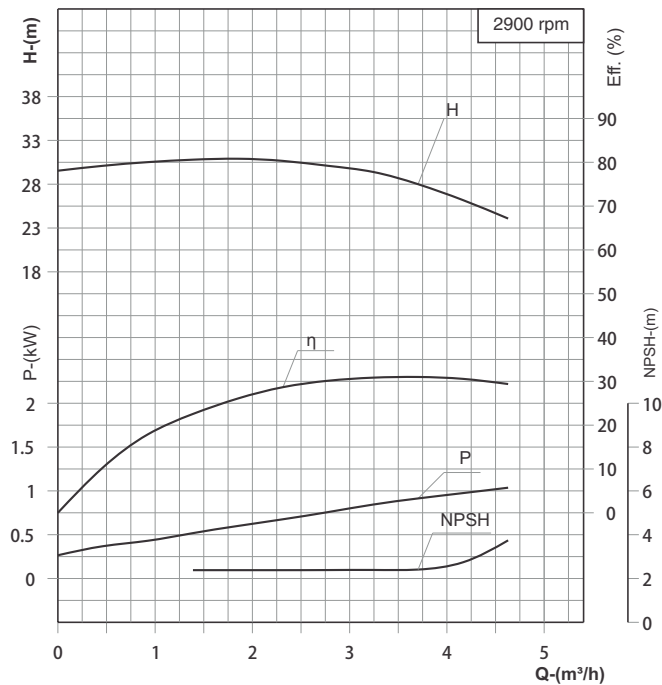
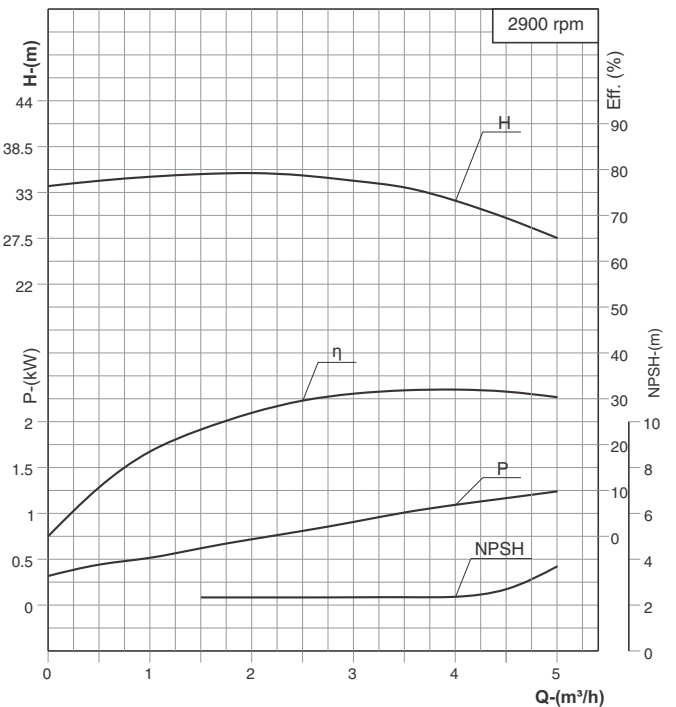
PERFORMANCE TABLE

MODEL	Power in kW	Speed in rpm	Flow Rate		Delivery Head in m	Efficiency (%)	NPSH in m
			m³/h	l/s			
VST-25/110-2	0.55	2900	2.8	0.78	16.5	39	2.3
			4	1.11	15	42	
			4.8	1.33	12.8	40	
VST-25/125-2	0.75	2900	2.8	0.78	21.6	35	2.3
			4	1.11	20	36	
			4.8	1.33	17.7	35	
VST-25/160A-2	1.1	2900	2.6	0.72	30.5	30	2.3
			3.7	1.03	28	31	
			4.5	1.25	24.5	30	
VST-25/160-2	1.5	2900	2.8	0.78	34.6	31	2.3
			4	1.11	32	32	
			4.8	1.33	28.6	31	
VST-32/100-2	0.55	2900	3.3	0.91	13.75	41	2
			4.5	1.25	12.5	44	
			5.4	1.5	10.75	42	
VST-32/125A-2	0.55	2900	3.1	0.86	17.8	39	2.3
			4.5	1.26	16	43	
			5.5	1.61	13.4	40	
VST-32/125-2	0.75	2900	3.5	0.97	22	40	2.3
			5	1.39	20	44	
			6	1.66	17.7	42	
VST-32/160A-2	1.1	2900	3	0.83	26.8	33	2
			4	1.1	25	34	
			4.75	1.2	22.7	33	
VST-32/160-2	1.5	2900	3.5	1.1	35.8	40	2.3
			5	1.39	32	44	
			6	1.67	28	42	
VST-32/160-2B	2.2	2900	4.4	1.22	34.6	38	2
			6.3	1.75	32	40	
			7.5	2.08	28.8	38	
VST-32/200-2	3	2900	3.6	1	53.1	31	2
			4.5	1.25	50	32	
			5.4	1.5	44.6	31	
VST-32/200-2B	4	2900	4.4	1.22	54.4	32	2
			6.3	1.75	50	33	
			7.5	2.08	45	32	
VST-40/100A-2	0.37	2900	3.9	1.08	10.8	50	2.3
			5.6	1.56	10	52	
			6.4	1.77	9.3	51	
VST-40/100-2	0.55	2900	4.4	1.22	13.6	52	2.3
			6.3	1.75	12.5	54	
			7.5	2.08	11.3	53	
VST-40/100A-2B	0.75	2900	8	2.22	11	56	2.3
			11	3.05	10	60	
			12.7	3.52	9.2	58	
VST-40/125A-2	0.75	2900	3.9	1.08	17.6	42	2.3
			5.6	1.56	16	45	
			6.4	1.77	15.1	44	
VST-40/100-2B	1.1	2900	8.8	2.44	13.7	57	2.3
			12.5	3.47	12.5	62	
			14.4	4	10.75	60	
VST-40/125A-2B	1.1	2900	8	2.22	17.3	55	2.3
			11	3.05	16	57	
			14.5	4.03	14.5	57	

PERFORMANCE TABLE

MODEL	Power in kW	Speed in rpm	Flow Rate		Delivery Head in m	Efficiency (%)	NPSH in m
			m³/h	l/s			
VST-40/125-2	1.1	2900	4.4	1.22	21.5	44	2.3
			6.3	1.75	20	46	
			7.2	2	18.6	45	
VST-40/160B-2	1.1	2900	3.8	1.06	26.8	37	2.3
			5.5	1.53	24	38	
			6.5	1.8	21.6	37	
VST-40/125-2B	1.5	2900	8.8	2.44	21.6	55	2.3
			12.5	3.47	20	58	
			15	4.16	18	56	
VST-40/160B-2B	1.5	2900	7.3	2.38	24	48	2.3
			10.4	2.89	22	50	
			13.5	3.75	20	49	
VST-40/160A-2	1.5	2900	4.1	1.14	30.5	37	2.3
			5.9	1.64	28	39	
			7	1.94	25.5	38	
VST-40/160A-2B	2.2	2900	8.2	2.28	30.5	49	2.3
			11.7	3.25	28	51	
			15.2	4.22	25.5	50	
VST-40/160-2	2.2	2900	4.4	1.22	34.6	38	2.3
			6.3	1.75	32	40	
			7.2	2	29.7	40	
VST-40/200B-2	2.2	2900	3.7	1.03	39	28	2.3
			5.3	1.47	36	29	
			6	1.66	33.7	29	
VST-40/160-2B	3	2900	8.8	2.44	34.6	50	2.3
			12.5	3.47	32	52	
			15.3	4.25	28	50	
VST-40/200B-2B	3	2900	7.5	2.08	39	42	2.3
			10.6	2.94	36	44	
			13.8	3.83	33.7	43	
VST-40/200A-2	3	2900	4.1	1.14	48	30	2.3
			5.9	1.64	44	31	
			7	1.94	39.7	30	
VST-40/200A-2B	4	2900	8.3	2.31	48	38	2.3
			11.7	3.25	44	45	
			13.5	3.75	40.5	44	
VST-40/200-2	4	2900	4.4	1.22	54.4	31	2.3
			6.3	1.75	50	33	
			7.2	2	46	32	
VST-40/200-2B	5.5	2900	8.8	2.44	54.4	44	2.3
			12.5	3.47	50	46	
			15	4.16	44.6	45	
VST-40/250B-2	5.5	2900	3.8	1.06	65.2	25	2.3
			5.5	1.53	60	27	
			6.5	1.8	54.7	26	
VST-40/250A-2B	7.5	2900	8.2	2.28	76.2	36	2.3
			11.6	3.22	70	38	
			13.5	3.75	64.2	37	
VST-40/250-2	7.5	2900	4.4	1.22	87	27	2.3
			6.3	1.75	80	28	
			7.2	2	75	28	
VST-40/250-2B	11	2900	8.8	2.44	87.6	36	2.3
			12.5	3.47	80	38	
			14	3.88	75	38	

PERFORMANCE CURVE

VS-25
Model : VST-25/110-2 (0.55kW)

Model : VST-25/125-2 (0.75kW)

Model : VST-25/160A-2 (1.1kW)

Model : VST-25/160-2 (1.5kW)


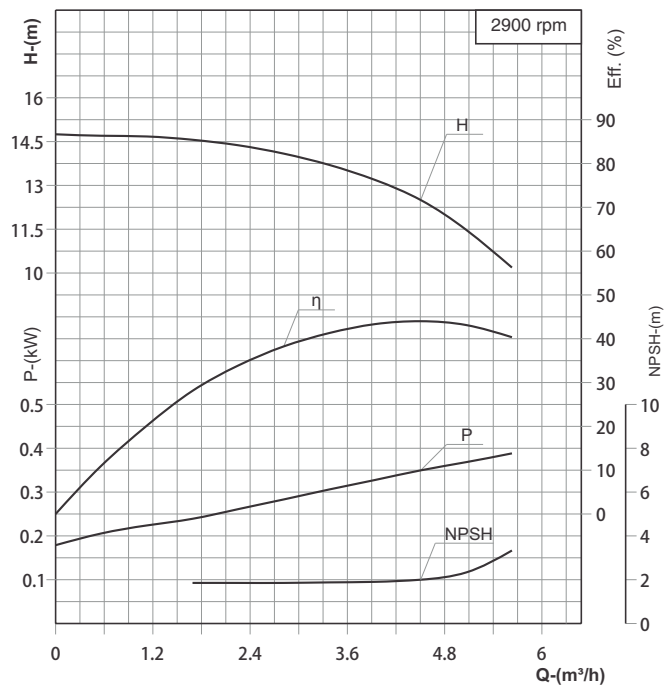
Note : Performance curve are as per specific gravity and viscosity of water.

In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

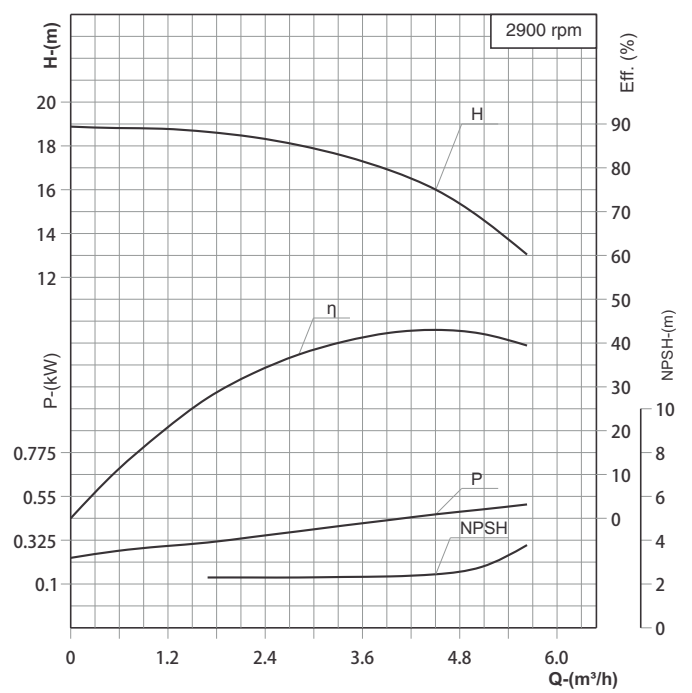
PERFORMANCE CURVE

VS-32

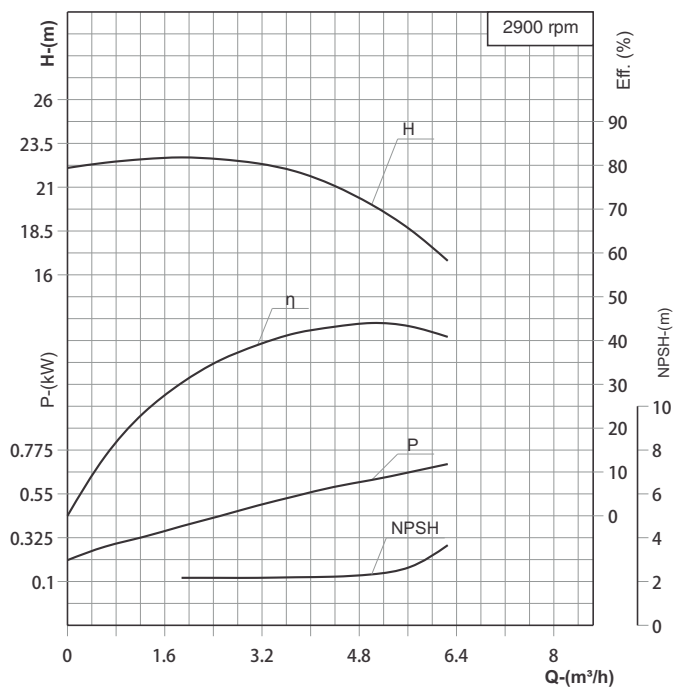
Model : VST-32/100-2 (0.55kW)



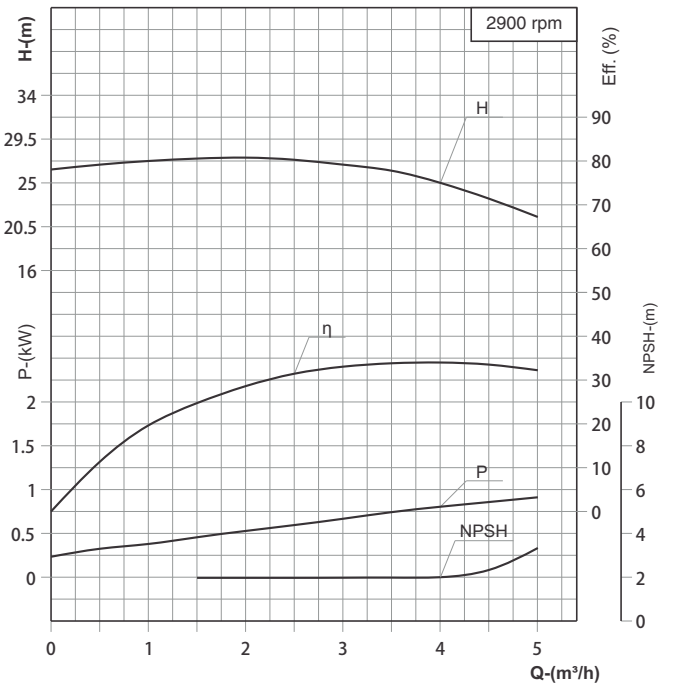
Model : VST-32/125A-2 (0.55kW)



Model : VST-32/125-2 (0.75kW)



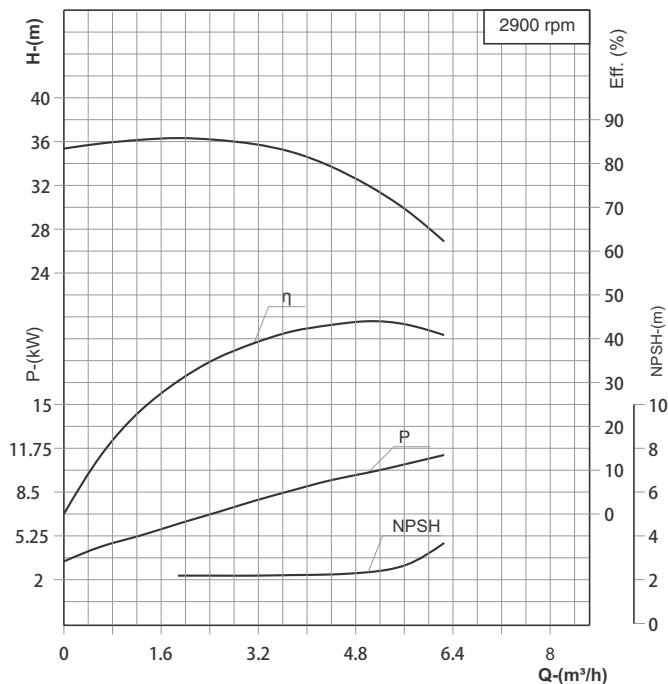
Model : VST-32/160A-2 (1.1kW)



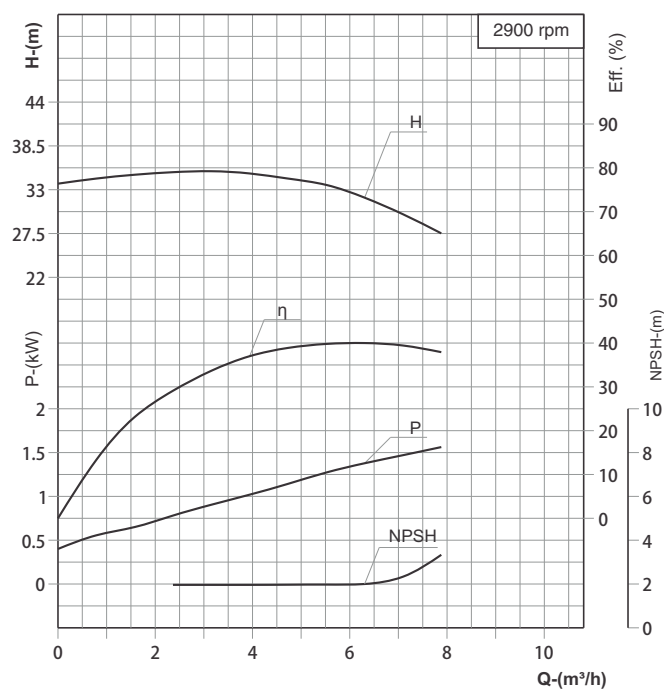
PERFORMANCE CURVE

MODEL : **VS-32**

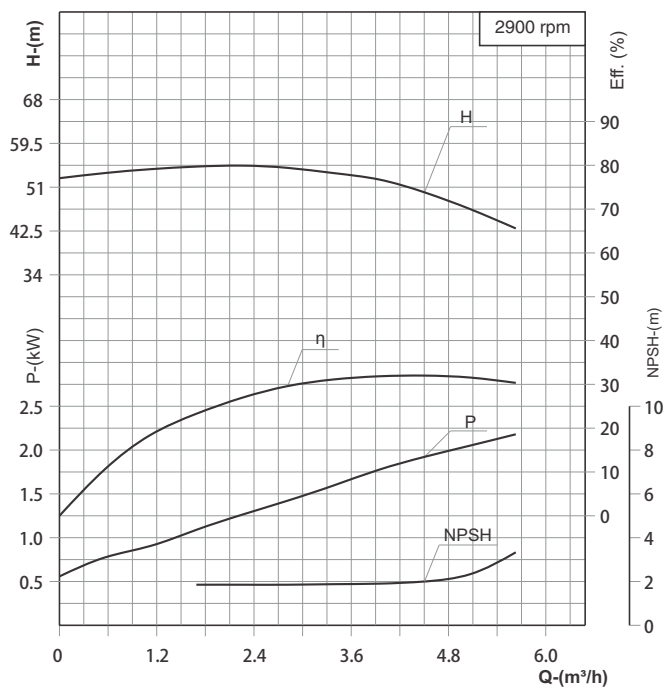
Model : VST-32/160-2 (1.5kW)



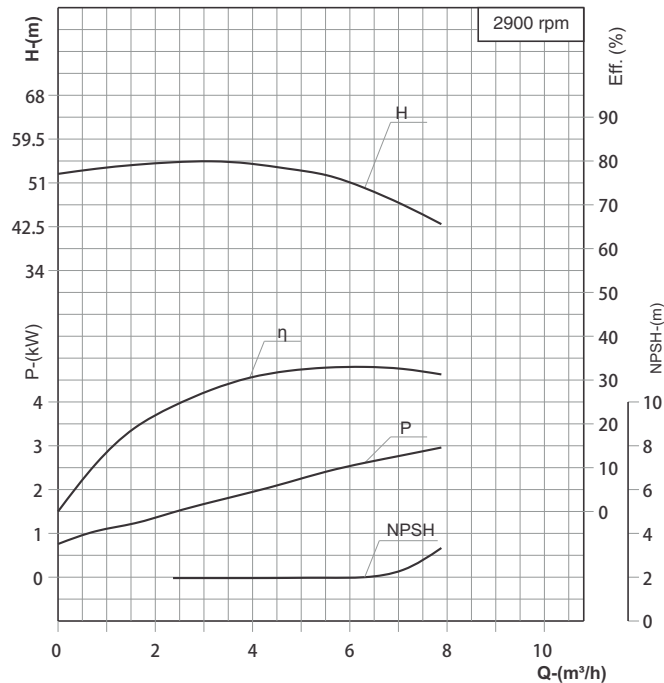
Model : VST-32/160-2B (2.2kW)



Model : VST-32/200-2 (3kW)



Model : VST-32/200-2B (4kW)



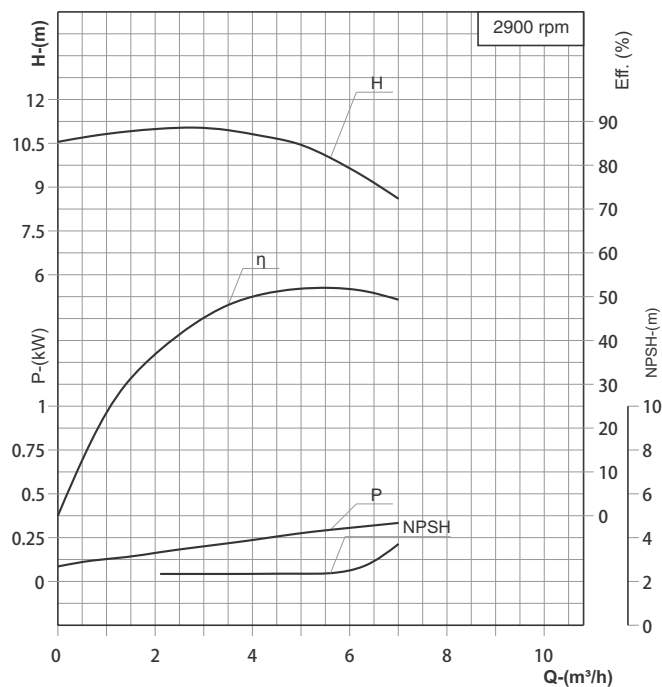
Note : Performance curve are as per specific gravity and viscosity of water.

In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

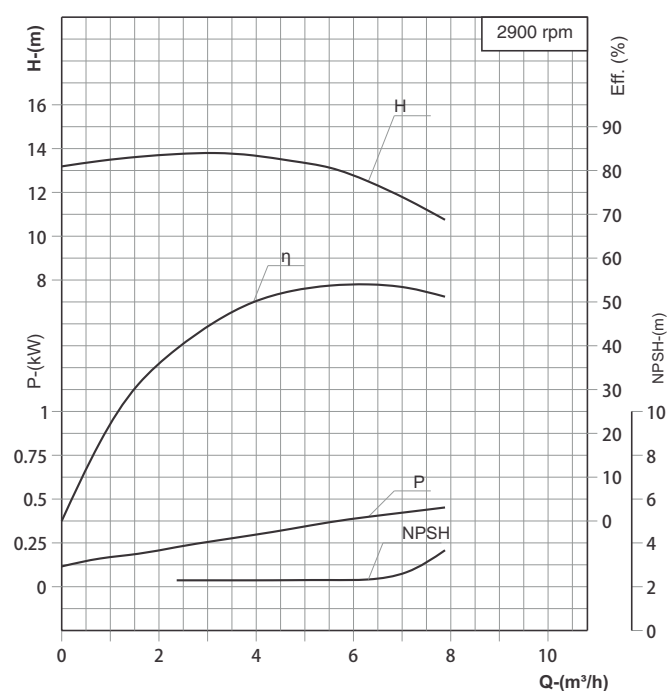
PERFORMANCE CURVE

VS-40

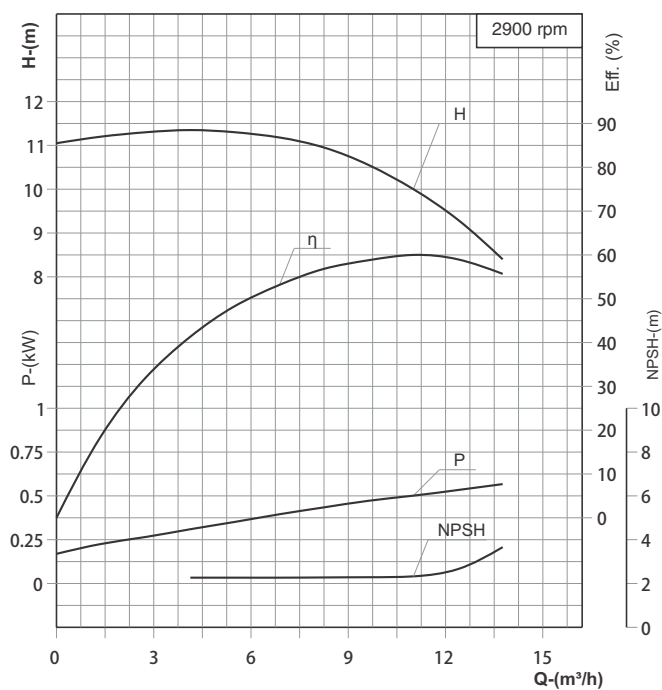
Model : VST-40/100A-2 (0.37kW)



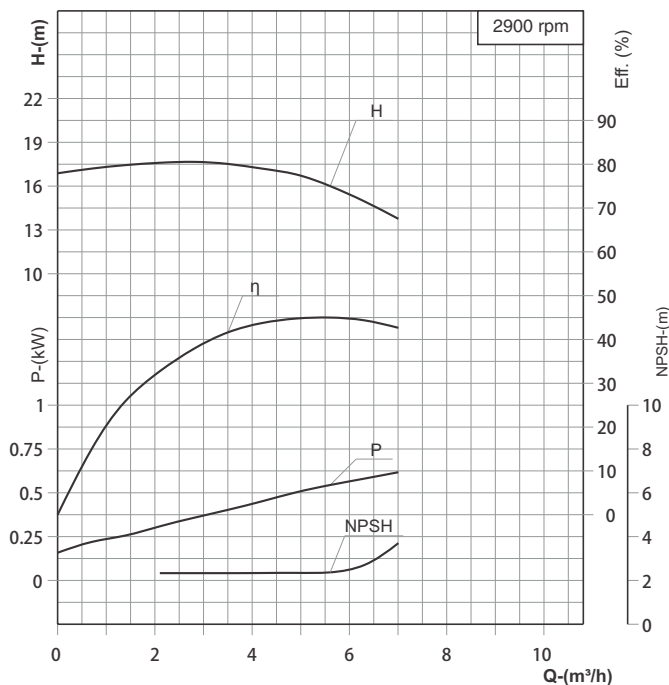
Model : VST-40/100-2 (0.55kW)



Model : VST-40/100A-2B (0.75kW)



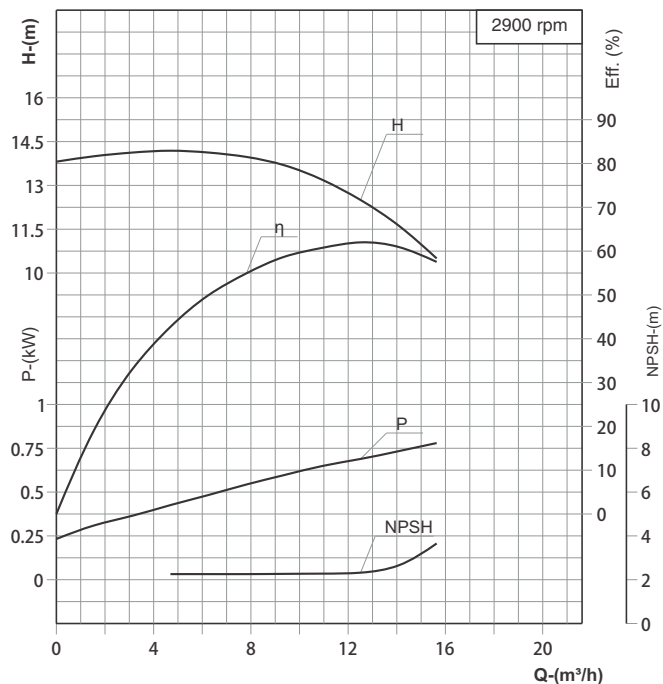
Model : VST-40/125A-2 (0.75kW)



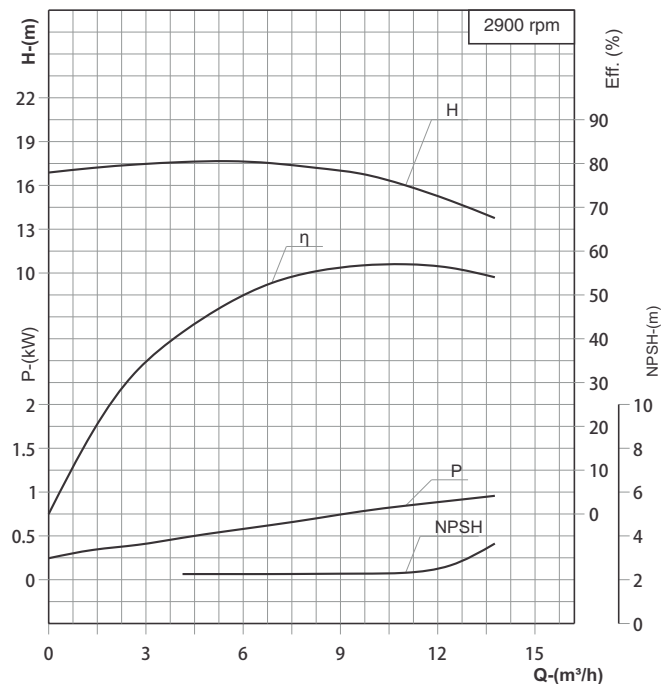
PERFORMANCE CURVE

VS-40

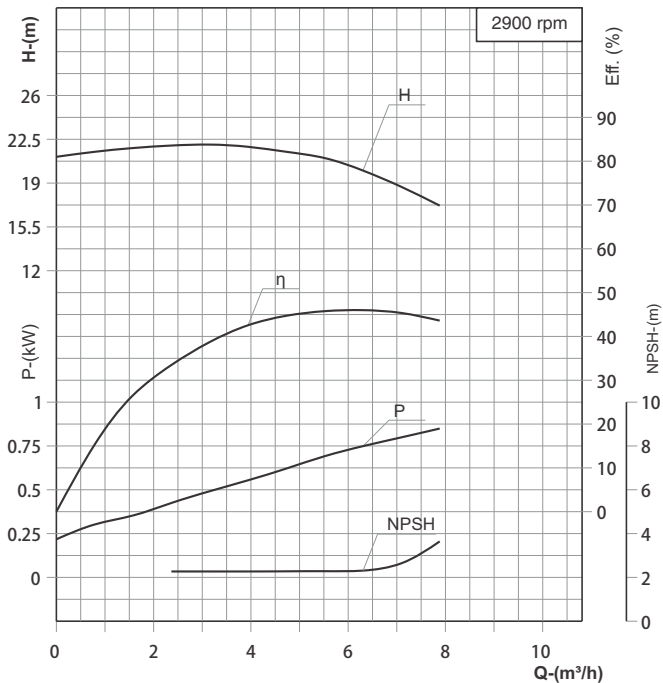
Model : VST-40/100-2B (1.1kW)



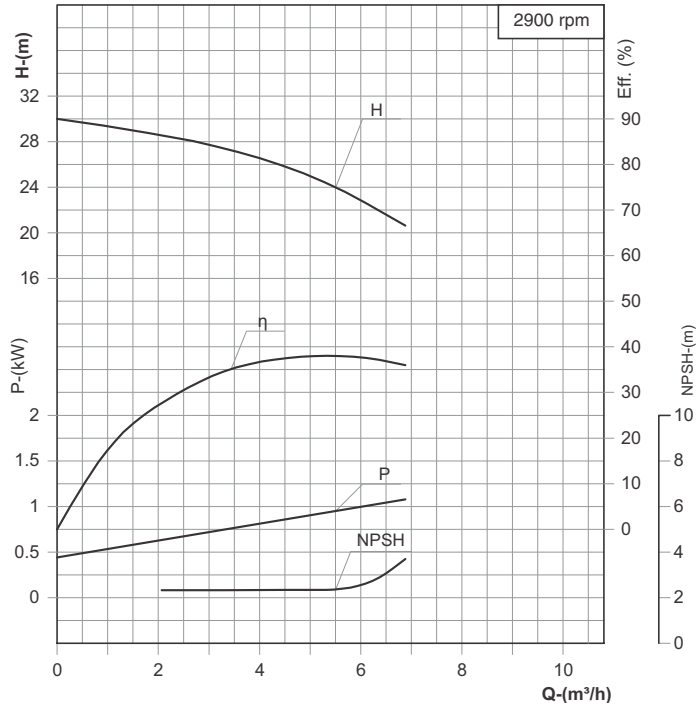
Model : VST-40/125A-2B (1.1kW)



Model : VST-40/125-2 (1.1kW)



Model : VST-40/160B-2 (1.1kW)



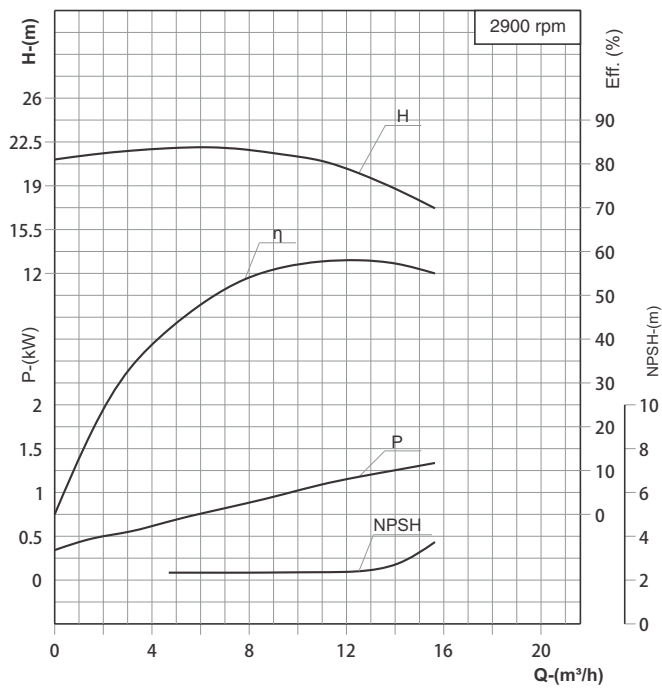
Note : Performance curve are as per specific gravity and viscosity of water.

In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

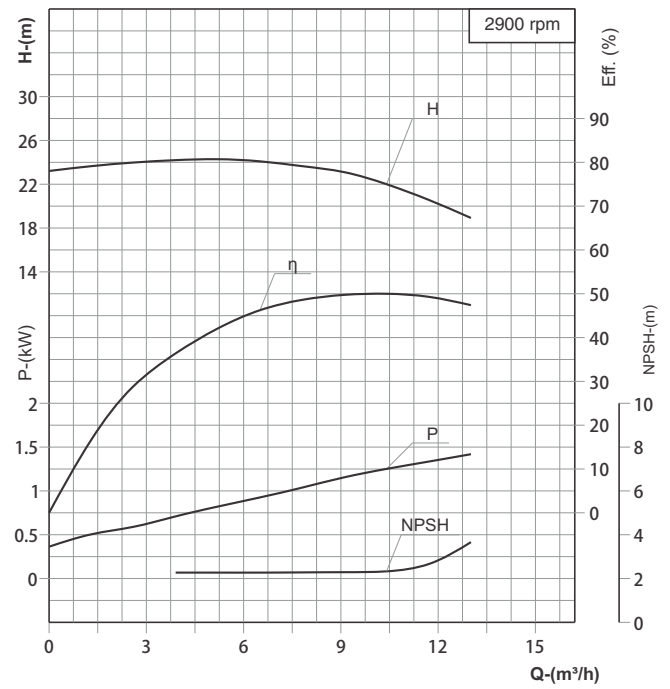
PERFORMANCE CURVE

VS-40

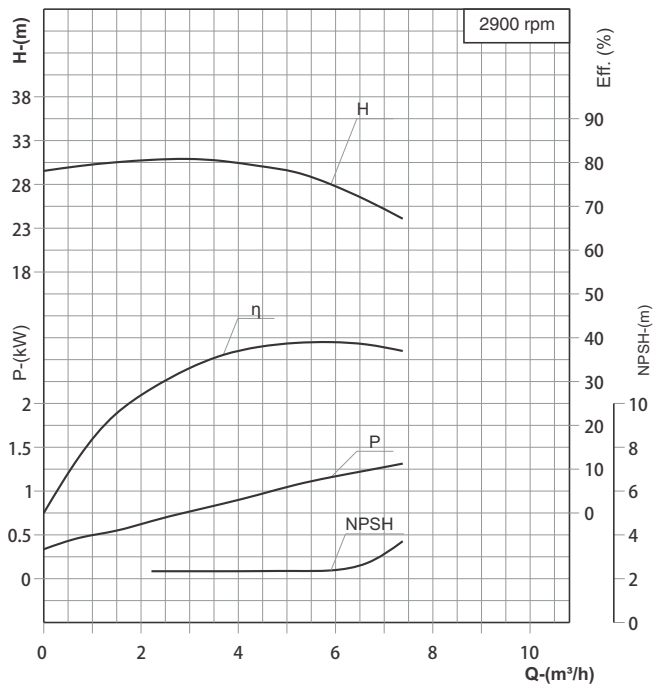
Model : VST-40/125-2B (1.5kW)



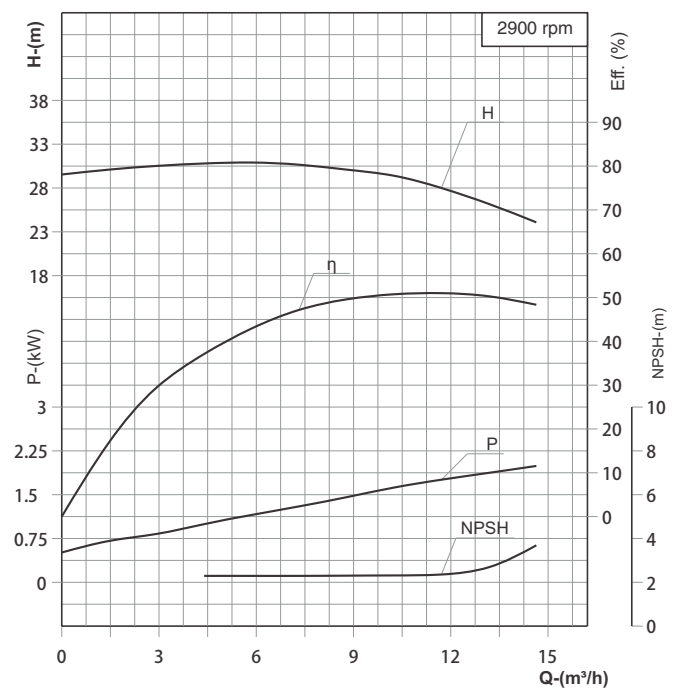
Model : VST-40/160-2B (1.5kW)



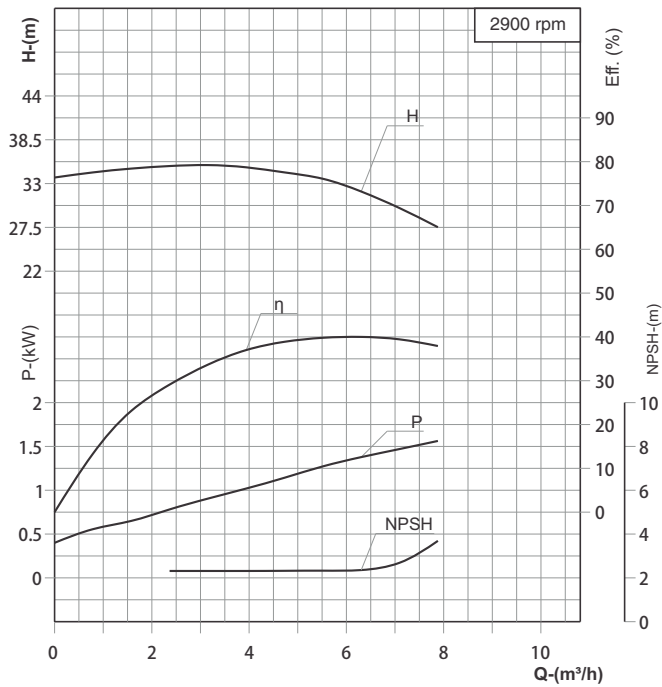
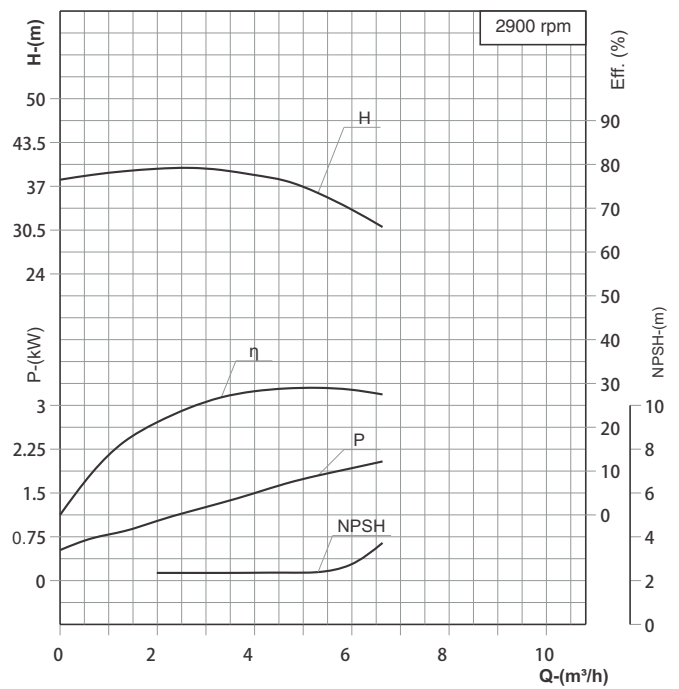
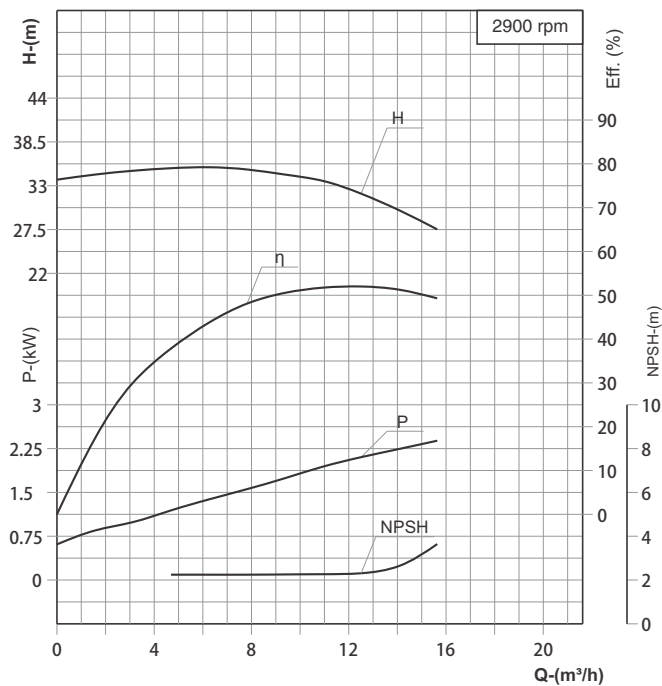
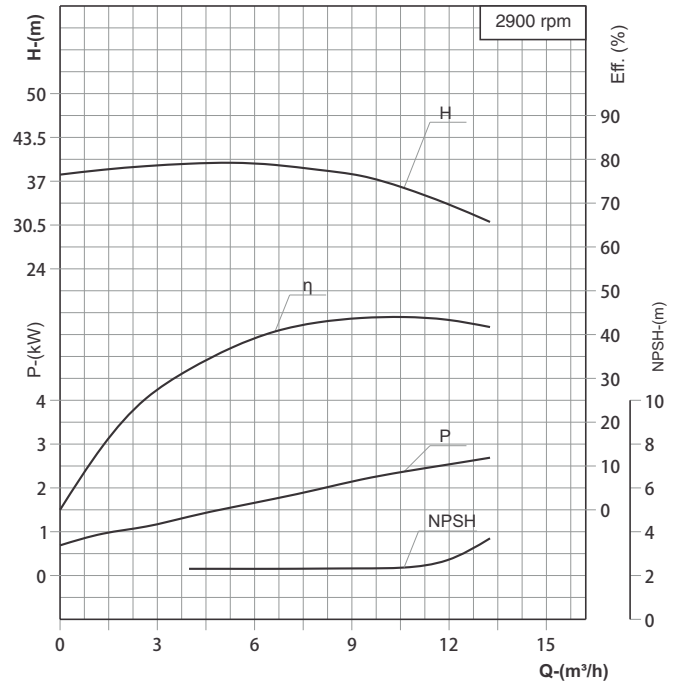
Model : VST-40/160A-2 (1.5kW)



Model : VST-40/160A-2B (2.2kW)



PERFORMANCE CURVE

VS-40
Model : VST-40/160-2 (2.2kW)

Model : VST-40/200B-2 (2.2kW)

Model : VST-40/160-2B (3kW)

Model : VST-40/200B-2B (3kW)


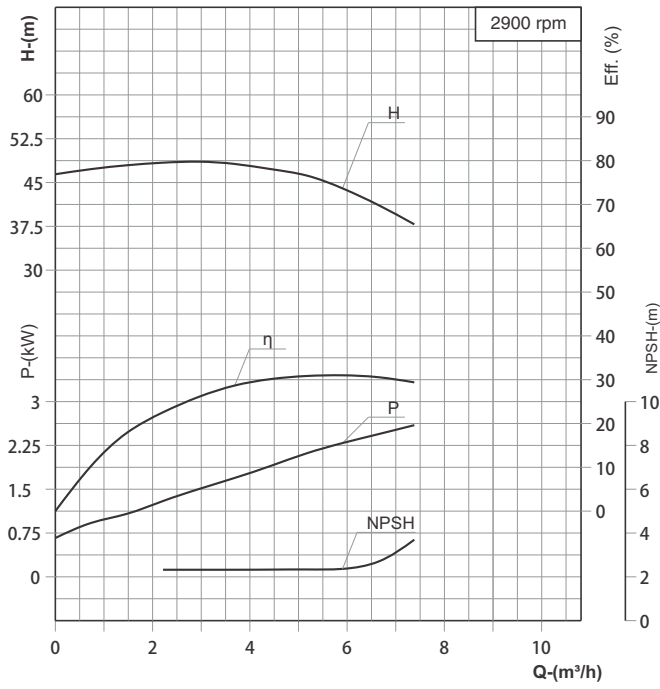
Note : Performance curve are as per specific gravity and viscosity of water.

In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

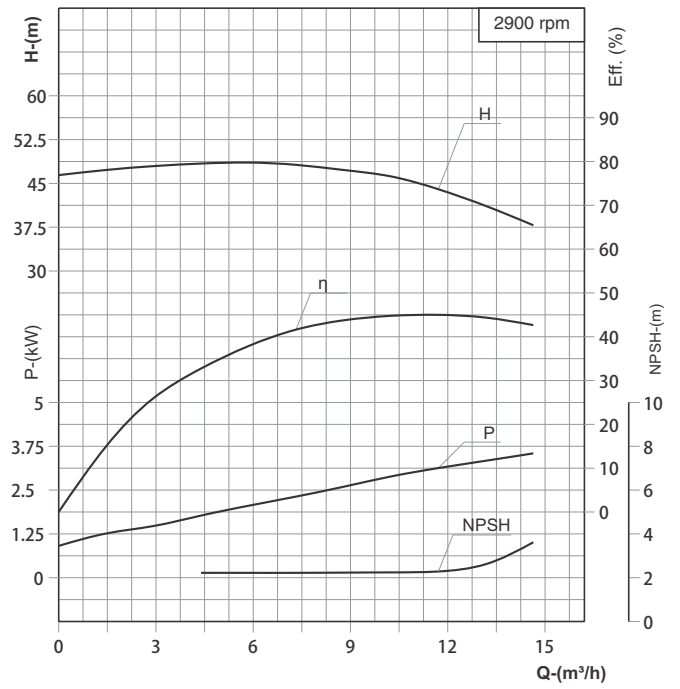
PERFORMANCE CURVE

VS-40

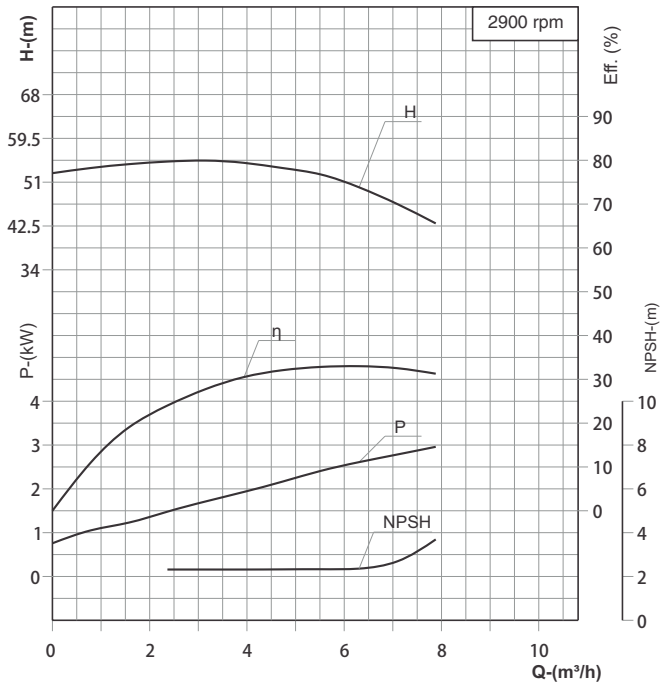
Model : VST-40/200A-2 (3kW)



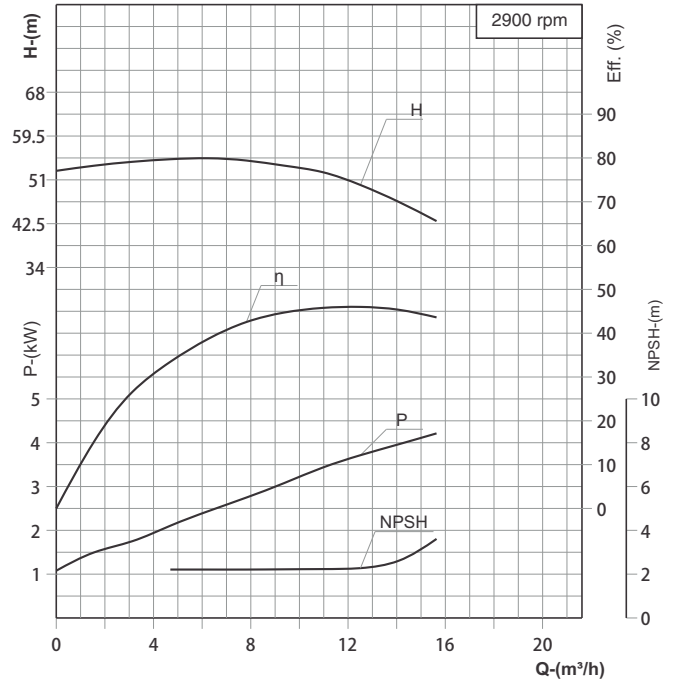
Model : VST-40/200A-2B (4kW)



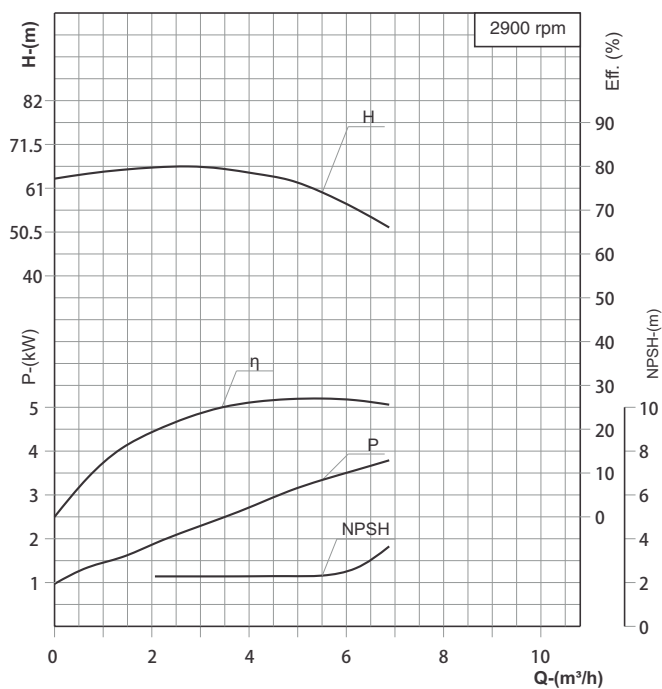
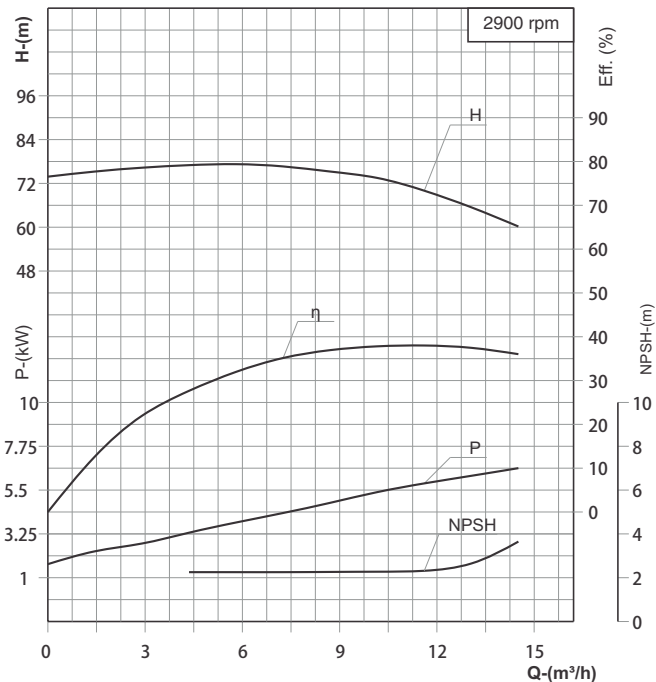
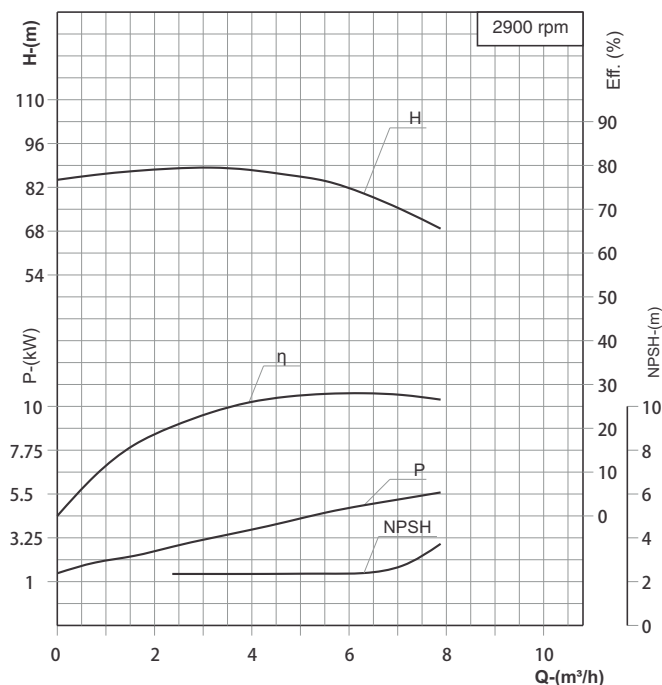
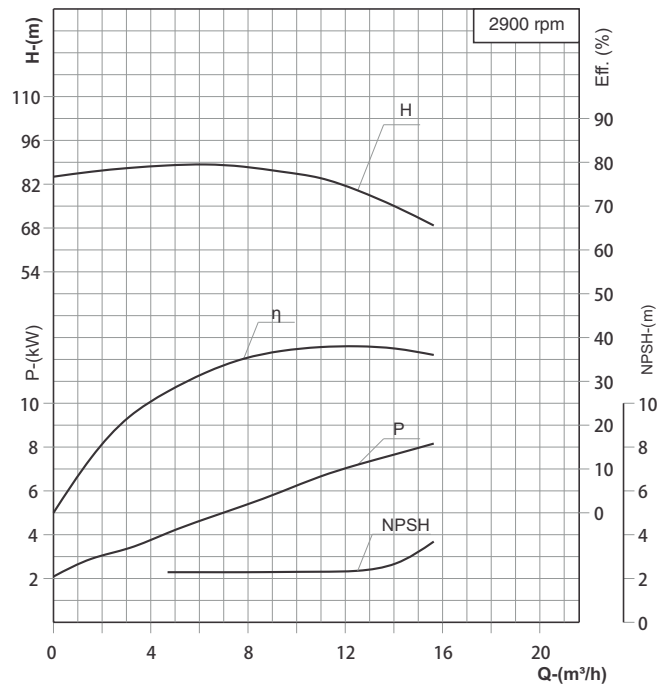
Model : VST-40/200-2 (4kW)



Model : VST-40/200-2B (5.5kW)



PERFORMANCE CURVE

VS-40
Model : VST-40/250B-2 (5.5kW)

Model : VST-40/250A-2B (7.5kW)

Model : VST-40/250-2 (7.5kW)

Model : VST-40/250-2B (11kW)


Note : Performance curve are as per specific gravity and viscosity of water.

In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

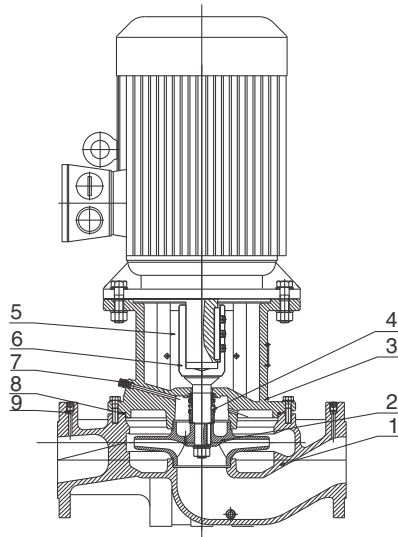
VERTICAL INLINE PUMPS

VC SERIES - COUPLING TYPE



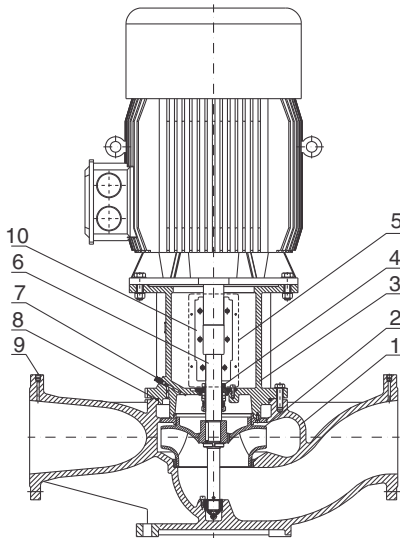
CROSS SECTIONAL DRAWINGS

VC-50 ~ VC-150



Part No.	Part Name	Material
1	Pump casing	Cast Iron FG 200
2	Impeller	Cast Iron FG 200 / SS 304
3	Pump bracket	Cast Iron FG 200
4	Mechanical seal	Carbon / Silicon Carbide
5	Coupling guard	SS 304
6	Pump shaft	SS 420
7	Air release bolt	BRASS
8	Ring	NBR
9	Plug	SS 304
10	Motor Body	AI = Upto 7.5 kW CI = 9.3 kW & above

VC-200 ~ VC-250



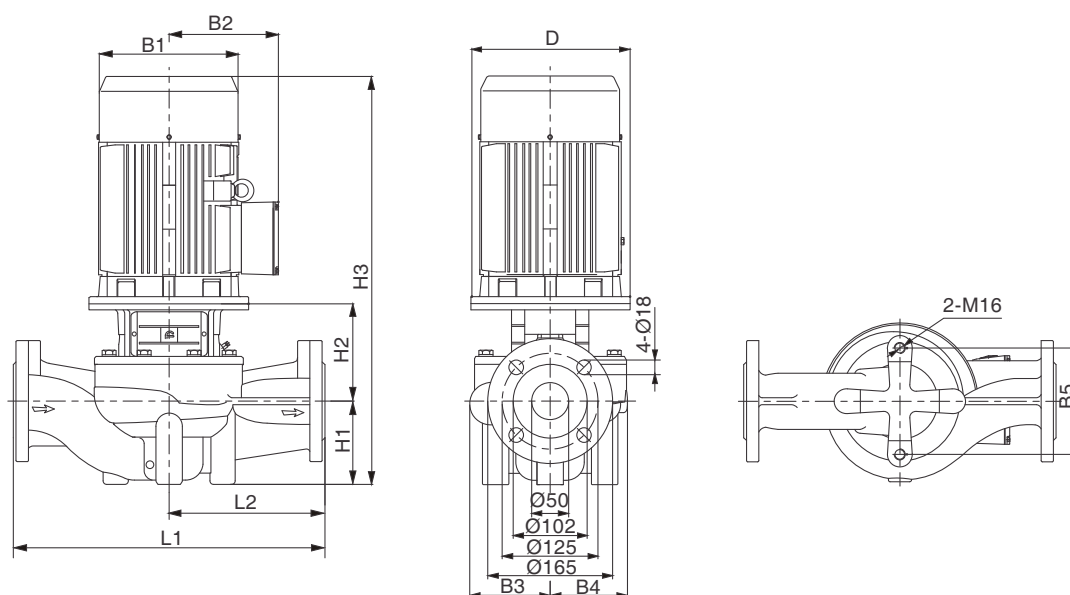
Part No.	Part Name	Material
1	Pump casing	Cast Iron FG 200
2	Impeller	Cast Iron FG 200
3	Pump bracket	Cast Iron FG 200
4	Mechanical seal	Carbon / Silicon Carbide
5	Coupling guard	SS 304
6	Pump shaft	SS 420
7	Air release bolt	BRASS
8	Ring	NBR
9	Plug	SS 304
10	Coupling	Carbon steel
11	Motor body	Cast Iron FG 200

VC-50

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE								
	kW	HP	lps m³/h	0.69 2.5	1.38 5	2.08 7.5	2.77 10	3.47 12.5	4.76 15	4.86 17.5	5.55 20
VCC-50/161-2	3	4	TOTAL MANOMETRIC HEAD IN METRES	35	34.6	34	33.2	32	30.5	27.9	23.3
VCC-50/177-2	4	5.5		40.8	40.6	40.2	39.2	38	36.2	33.9	30.4
VCC-50/192-2	5.5	7.5		50.5	50	49.7	49	48	46.5	44.2	40.7
VCC-50/220-2	7.5	10		61	60.6	60.1	59.2	58	55.7	52.2	47.8
VCT-50/251-2	11	15		82.9	82.6	82.2	81.2	80	78.4	76.1	73

DIMENSIONAL DRAWING

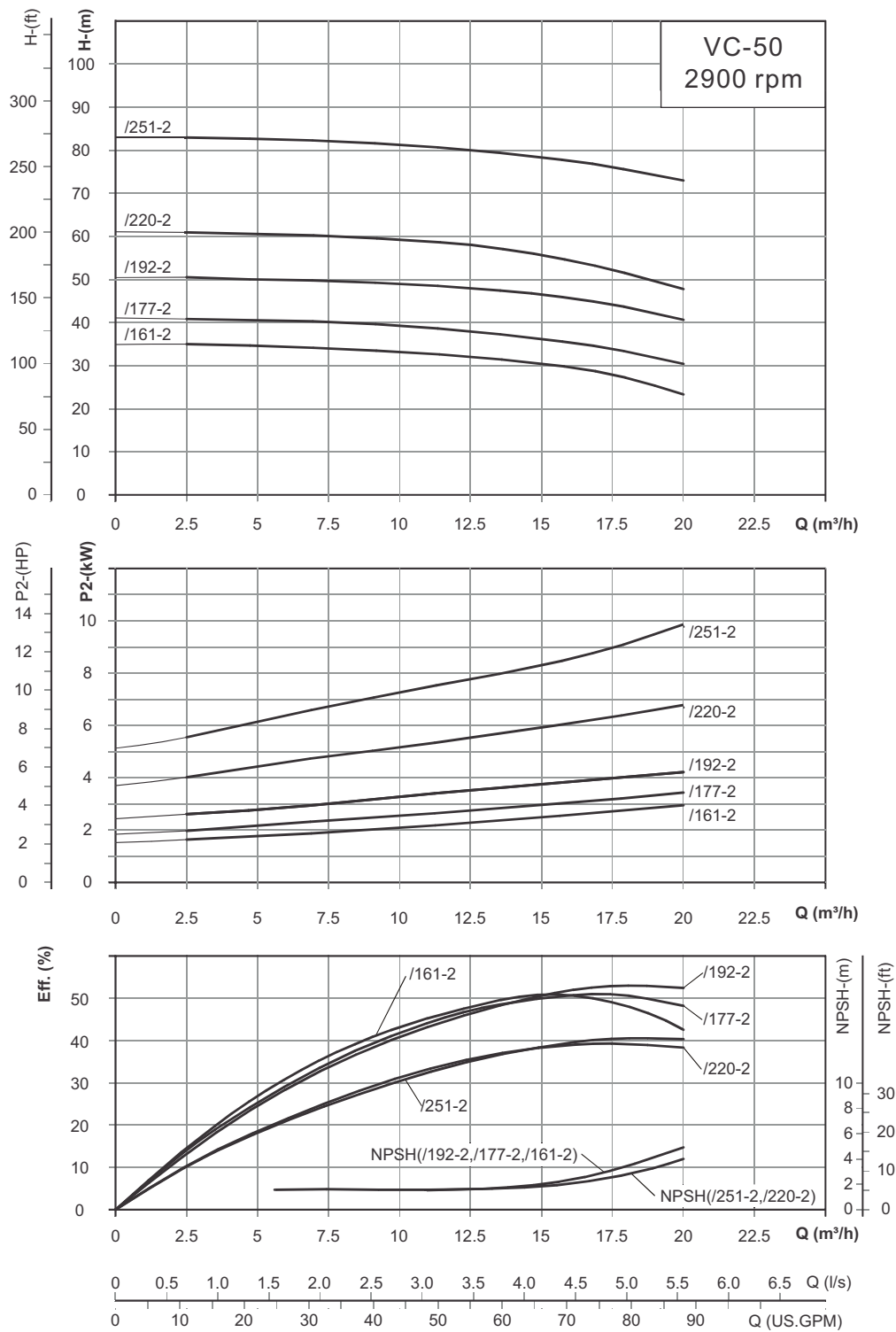


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCC-50/161-2	160	197	165	128	128	144	105	162	612	400	200	65
VCC-50/177-2	160	230	188	128	128	144	105	162	622	400	200	71
VCC-50/192-2	200	260	208	128	128	144	105	186	681	400	200	85
VCC-50/220-2	200	260	208	163	163	144	105	196	691	440	220	110
VCT-50/251-2	350	330	255	163	163	144	105	196	801	440	220	185

PERFORMANCE CURVE

VC-50



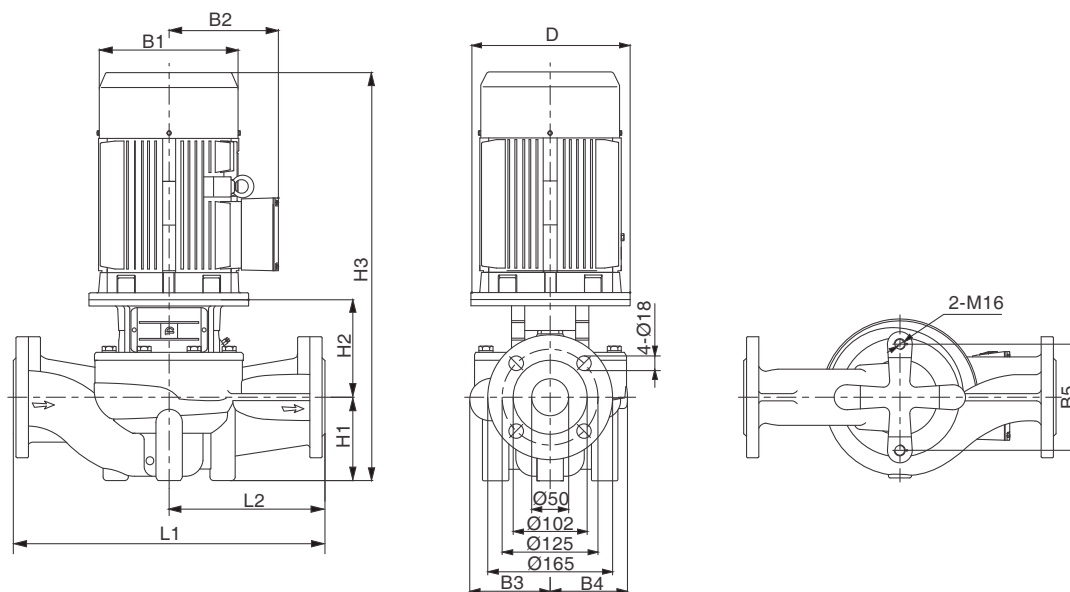
Note : Performance curve are as per specific gravity and viscosity of water.

In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE											
	kW	HP	lps	1.38	2.77	4.44	5.55	6.94	8.33	9.72	11.11	12.5	13.88	16.66
			m³/h	5	10	15	20	25	30	35	40	45	50	60
VCC-50/106-2	1.1	1.5	TOTAL MANOMETRIC HEAD IN METRES	15.2	14.2	12	10	-	-	-	-	-	-	-
VCC-50/117-2	1.5	2		18.9	18	16.5	15	12.6	-	-	-	-	-	-
VCC-50/129-2	2.2	3		22.8	22.3	21	19.8	18	15	-	-	-	-	-
VCC-50/141-2	3	4		26.2	26	25.5	25	24	22.3	-	-	-	-	-
VCC-50/150-2	4	5.5		31.5	31.3	31	30.5	29.5	28	25.5	-	-	-	-
VCC-50/162-2	5.5	7.5		36.9	36.7	36.5	36.2	35.8	35	33.7	31.5	-	-	-
VCC-50/176-2	7.5	10		42.3	42.2	41.9	41.7	41.3	40.8	40	38.3	35	-	-
VCT-50/201-2	11	15		53.5	53.4	53.1	52.9	52.5	51.9	51.1	50	48.4	45.8	-
VCT-50/219-2	15	20		65.7	65.8	65.7	65.6	65.3	64.7	63.9	62.8	61.6	60	55.4
VCT-50/230-2	18.5	25		73.7	73.6	73.4	73.3	73.1	72.9	72.5	72	71.2	70	65.4
VCT-50/245-2	22	30		85.5	85.3	85	84.8	84.5	84	83.5	82.8	82.1	81	77.1

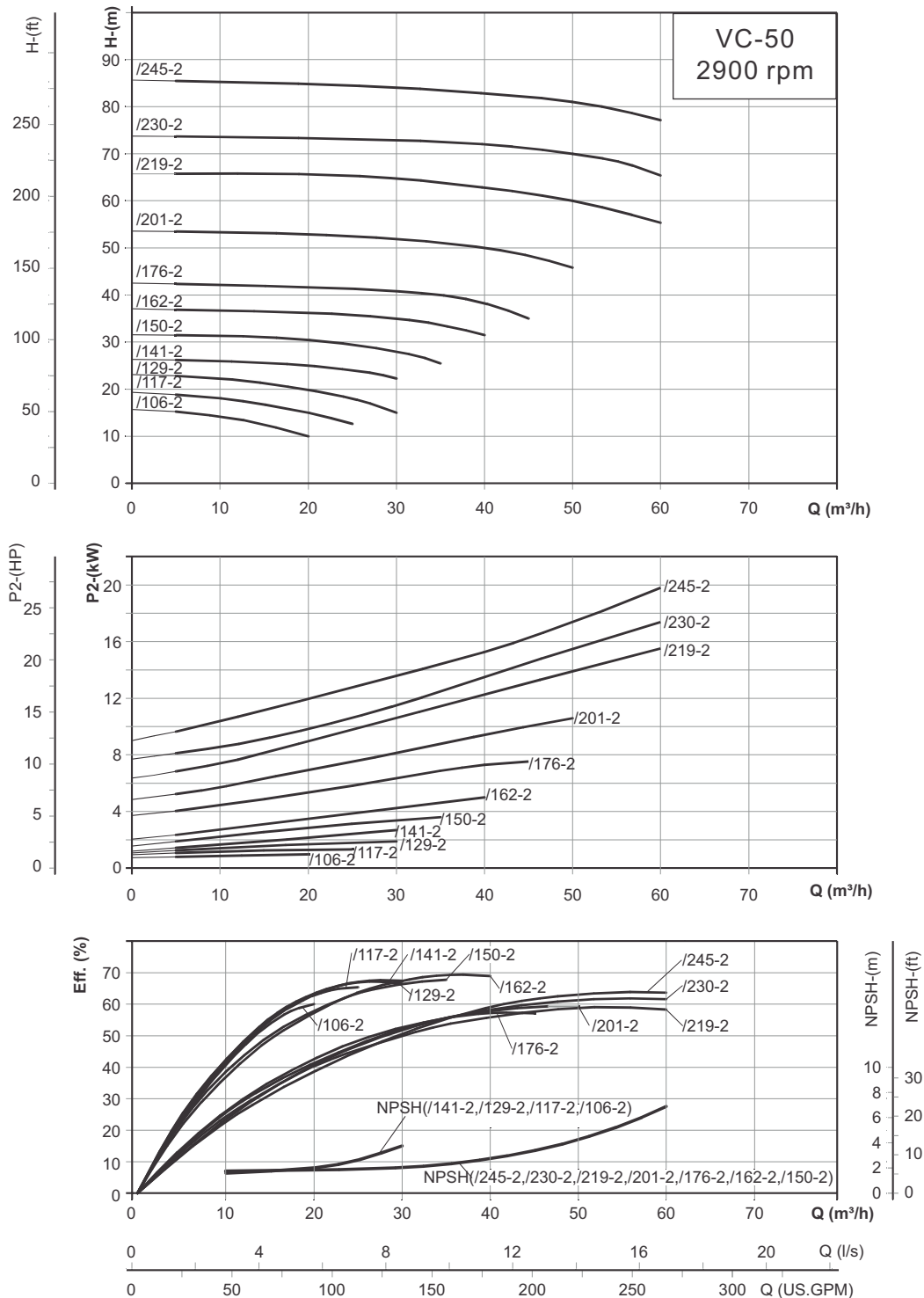
DIMENSIONAL DRAWING



DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCC-50/106-2	120	170	142	117	115	144	115	153	513	340	170	56
VCC-50/117-2	140	190	155	117	115	144	115	153	558	340	170	62
VCC-50/129-2	140	190	155	117	115	144	115	153	558	340	170	65
VCC-50/141-2	160	197	165	117	115	144	115	172	632	340	170	74
VCC-50/150-2	160	230	188	129	115	144	115	175	645	340	170	79
VCC-50/162-2	200	260	208	129	115	144	115	197	702	340	170	103
VCC-50/176-2	200	260	208	171	158	144	115	187	692	440	220	118
VCT-50/201-2	350	330	255	171	158	144	115	250	865	440	220	181
VCT-50/219-2	350	330	255	171	158	144	115	250	865	440	220	191
VCT-50/230-2	350	330	255	171	158	144	115	250	915	440	220	209
VCT-50/245-2	350	360	285	171	158	144	115	250	940	440	220	245

PERFORMANCE CURVE

VC-50

Note : Performance curve are as per specific gravity and viscosity of water.

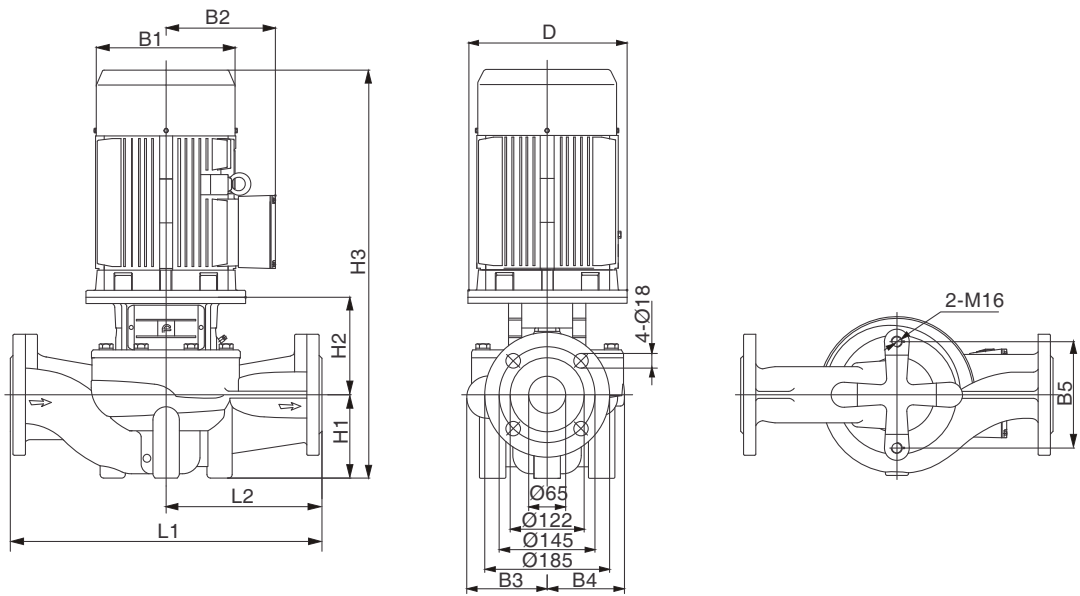
In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

VC-65

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE							
	kW	HP	lps	1.38	2.77	4.76	5.55	6.94	8.33	9.72
			m³/h	5	10	15	20	25	30	35
VCC-65/170-2	5.5	7.5	TOTAL MANOMETRIC HEAD IN METRES	39.2	39.1	38.9	38.2	36	31.8	24.8
VCC-65/192-2	7.5	10		50.4	50.3	50	49.3	48	45.9	42.5

DIMENSIONAL DRAWING

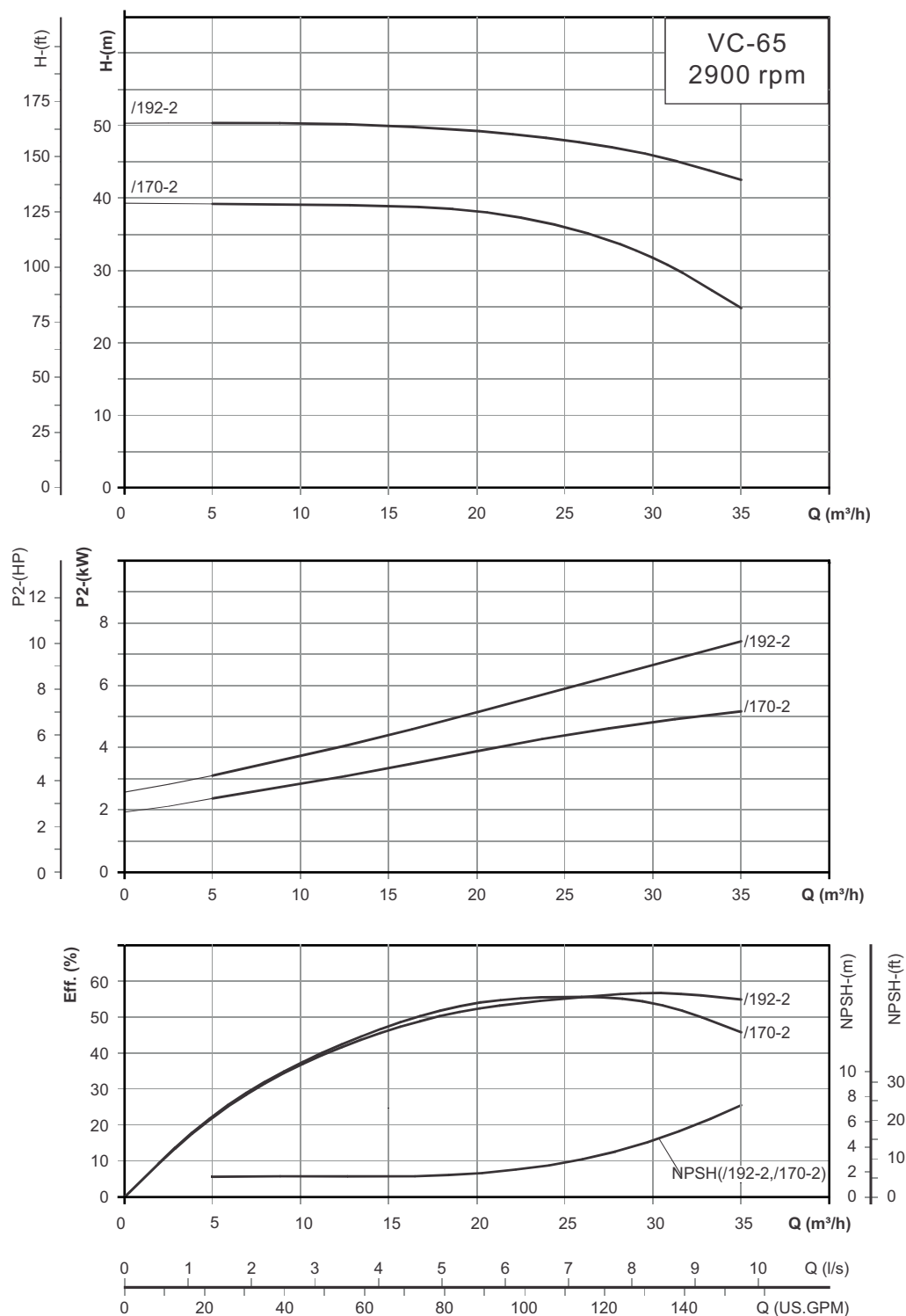


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCC-65/170-2	200	260	208	128	128	144	105	194	689	400	200	87
VCC-65/192-2	200	260	208	128	128	144	105	194	689	400	200	91

PERFORMANCE CURVE

VC-65



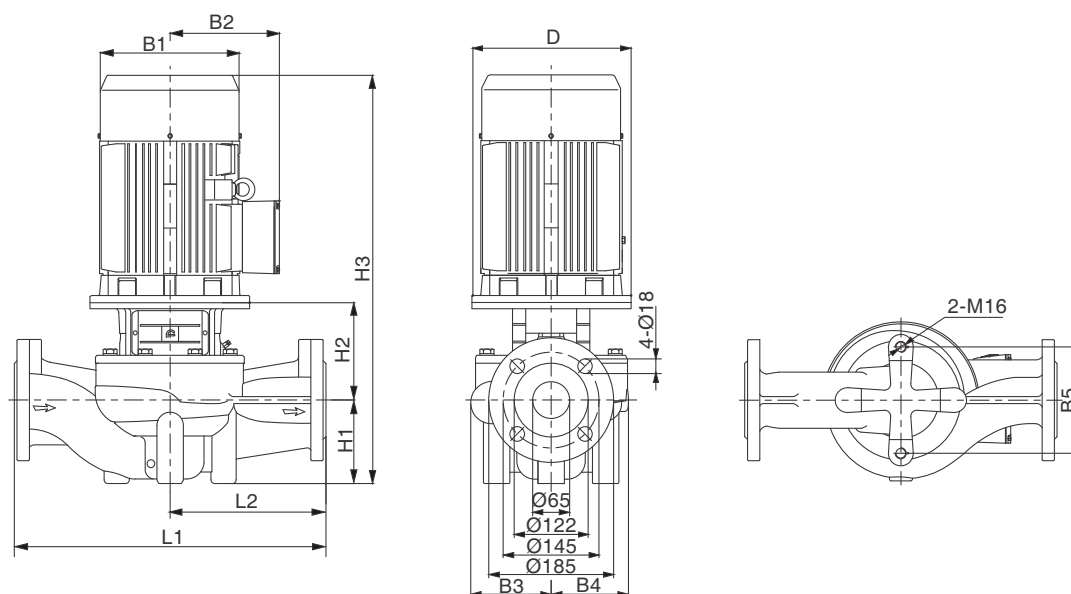
Note : Performance curve are as per specific gravity and viscosity of water.

In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE									
	kW	HP	lps	2.77	5.55	8.33	11.11	13.88	16.66	19.44	22.22	25
			m ³ /h	10	20	30	40	50	60	70	80	90
VCC-65/118-2	2.2	3	TOTAL MANOMETRIC HEAD IN METRES	17.9	17	15	10.7	-	-	-	-	-
VCC-65/127-2	3	4		21.7	20.8	19	15.2	-	-	-	-	-
VCC-65/138-2	4	5.5		25.1	24.7	23.9	22	17.5	-	-	-	-
VCC-65/153-2	5.5	7.5		32.4	32.1	31.5	30	26.1	-	-	-	-
VCC-65/168-2	7.5	10		38.6	38.2	37.6	36.4	34	29.6	-	-	-
VCT-65/183-2	11	15		43.4	42.9	42.3	41.4	40	37.6	-	-	-
VCT-65/200-2	15	20		53.6	53.3	52.7	51.6	50	47.3	-	-	-
VCT-65/219-2	18.5	25		63.1	63.2	63	62.3	61	58.8	54.8	-	-
VCT-65/230-2	22	30		68	67.8	67.7	67.5	67	65.8	63.4	59.7	-
VCT-65/253-2	30	40		85.4	85.1	84.6	83.9	83	81.7	80	77.8	74.2

DIMENSIONAL DRAWING

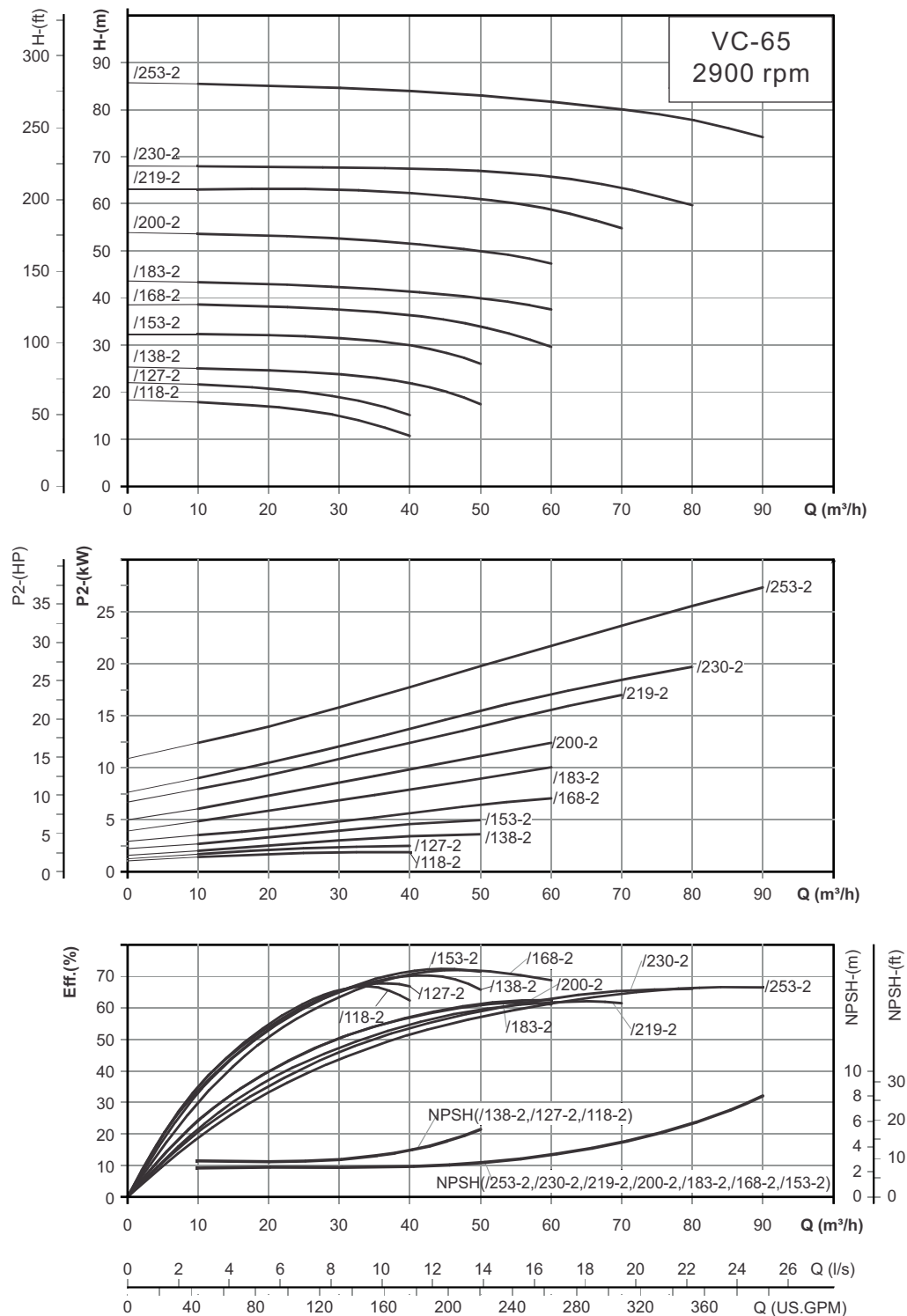


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCC-65/118-2	140	190	155	142	124	144	105	172	567	360	180	65
VCC-65/127-2	160	197	165	142	124	144	105	191	641	360	180	74
VCC-65/138-2	160	230	188	142	124	144	105	191	651	360	180	81
VCC-65/153-2	200	260	208	142	124	144	105	213	708	360	180	105
VCC-65/168-2	200	260	208	142	124	144	105	213	708	360	180	108
VCT-65/183-2	350	330	255	179	167	144	125	262	887	475	238	183
VCT-65/200-2	350	330	255	179	167	144	125	262	887	475	238	193
VCT-65/219-2	350	330	255	179	167	144	125	262	937	475	238	210
VCT-65/230-2	350	330	255	179	167	144	125	262	962	475	238	248
VCT-65/253-2	400	400	310	179	167	144	125	262	1047	475	238	309

PERFORMANCE CURVE

VC-65



Note : Performance curve are as per specific gravity and viscosity of water.

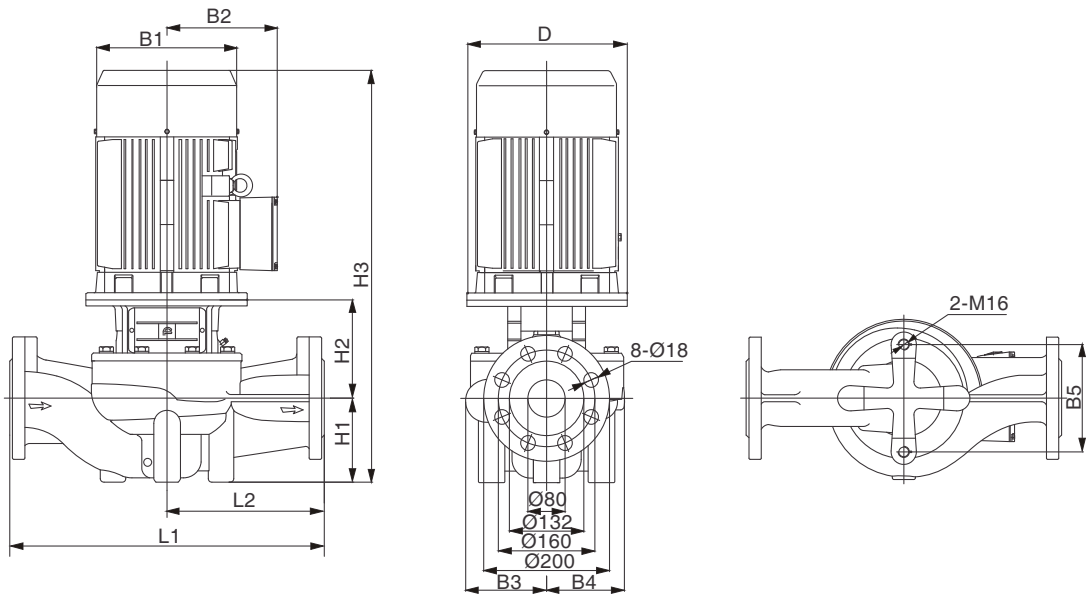
In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

VC-80

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE							
	kW	HP	lps	2.77	5.55	8.33	11.11	13.88	16.66	18.05
			m³/h	10	20	30	40	50	60	65
VCT-80/180-2	11	15	TOTAL MANOMETRIC HEAD IN METRES	42.8	42.8	42.7	41.8	40	36.5	-
VCT-80/192-2	15	20		50.4	50.4	50.2	49.5	48	45	42.6

DIMENSIONAL DRAWING

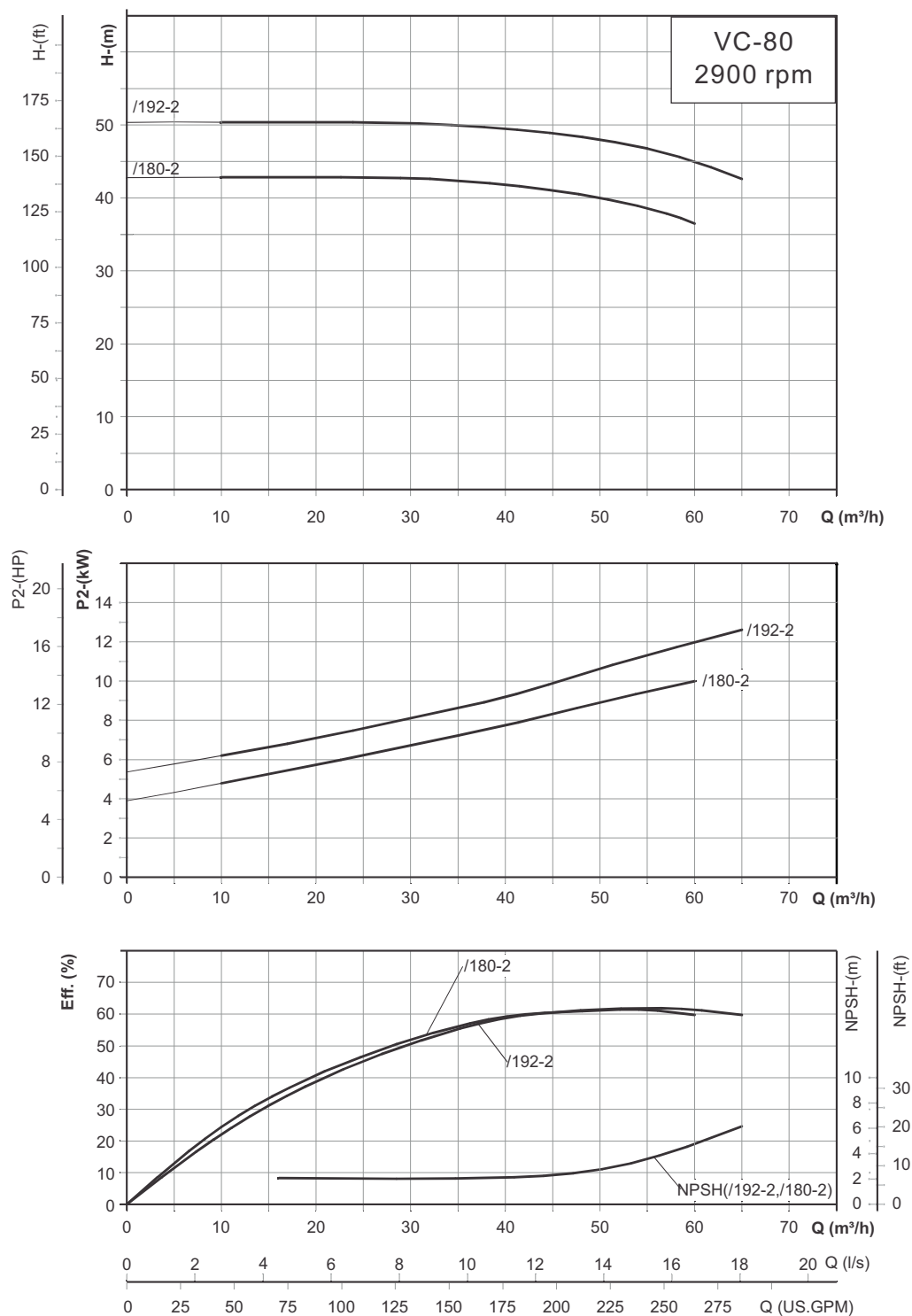


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCT-80/180-2	350	330	255	137	128	144	115	240	855	500	250	170
VCT-80/192-2	350	330	255	137	128	144	115	240	855	500	250	181

PERFORMANCE CURVE

VC-80



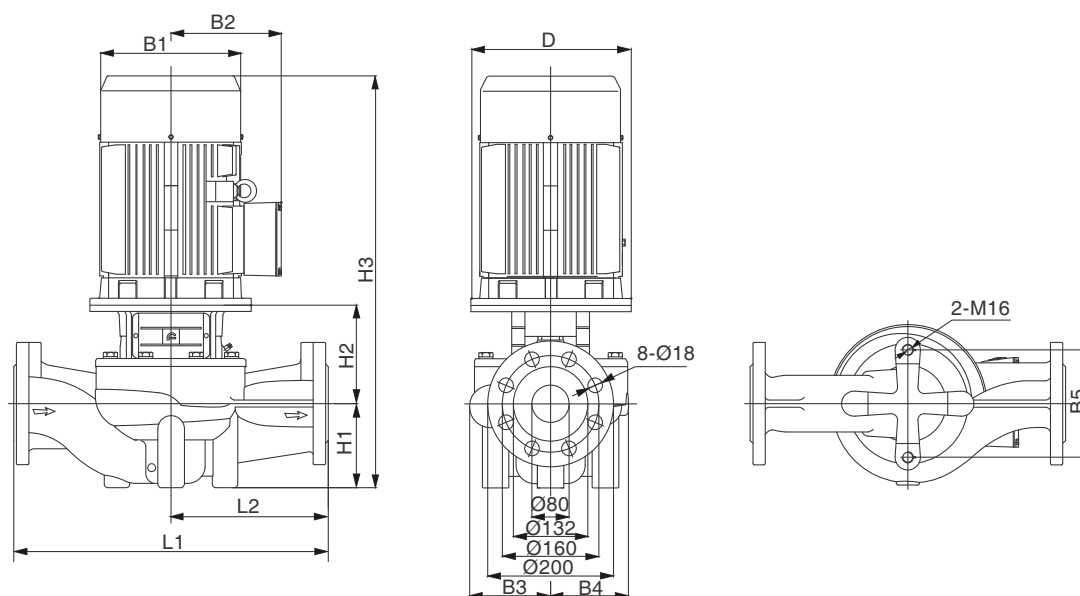
Note : Performance curve are as per specific gravity and viscosity of water.

In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE										
	kW	HP	lps	2.77	5.55	8.33	11.11	13.88	16.66	19.44	22.22	25	27.7
			m ³ /h	10	20	30	40	50	60	70	80	90	100
VCC-80/120-2	3	4	TOTAL MANOMETRIC HEAD IN METRES	16.1	15.8	15.2	14.3	13	10.9	-	-	-	-
VCC-80/132-2	4	5.5		21.1	20.8	20.2	19.2	18	16.2	13.2	-	-	-
VCC-80/141-2	5.5	7.5		24.4	24.1	23.7	23	22	20.5	18	14.3	-	-
VCC-80/154-2	7.5	10		30.6	30.4	30	29.3	28	26.3	24	20.6	-	-
VCT-80/170-2	11	15		34.8	34.5	34.2	33.8	33.2	32.4	31.3	30	27.8	24.7
VCT-80/185-2	15	20		41.2	41.2	41.1	40.9	40.6	40.1	39.3	38	36	32.9
VCT-80/202-2	18.5	25		50.6	50.4	50	49.8	49.6	49.1	48.3	47	44.8	41.4
VCT-80/210-2	22	30		57	57	56.8	56.6	56.3	56	55.3	54	52.5	49.2
VCT-80/231-2	30	40		69.2	69	68.8	68.7	68.6	68.3	67.8	67	65.9	63.9

DIMENSIONAL DRAWING

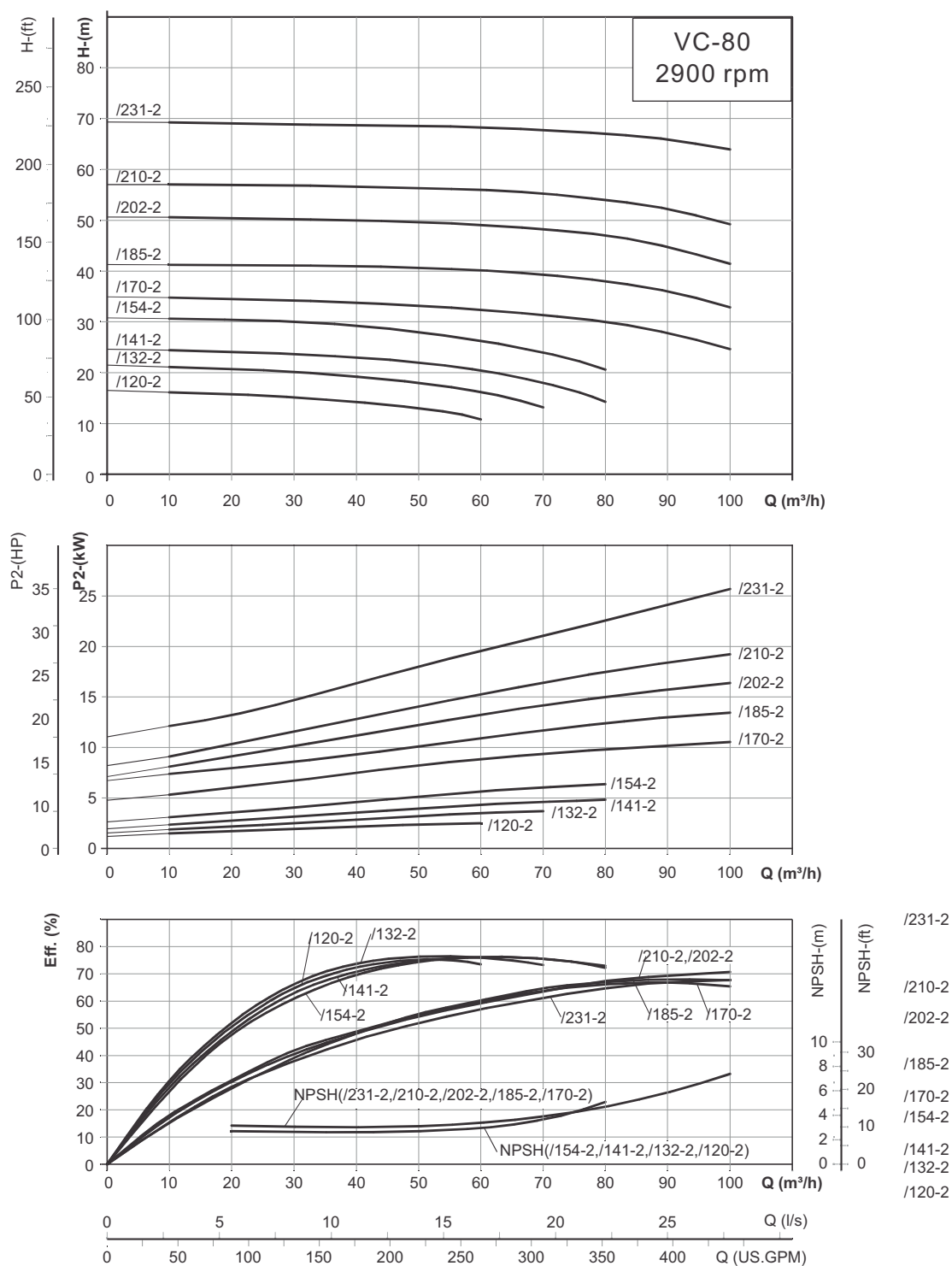


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCC-80/120-2	160	197	165	142	124	160	97	219	661	450	225	84
VCC-80/132-2	160	230	188	142	124	160	97	219	671	450	225	91
VCC-80/141-2	200	260	208	142	124	160	97	241	728	450	225	114
VCC-80/154-2	200	260	208	142	124	160	97	241	728	450	225	117
VCT-80/170-2	350	330	255	182	163	144	115	279	894	500	250	194
VCT-80/185-2	350	330	255	182	163	144	115	279	894	500	250	204
VCT-80/202-2	350	330	255	182	163	144	115	279	944	500	250	222
VCT-80/210-2	350	330	255	182	163	144	115	279	969	500	250	258
VCT-80/231-2	400	400	310	182	163	144	115	279	1044	500	250	319

PERFORMANCE CURVE

VC-80



Note : Performance curve are as per specific gravity and viscosity of water.

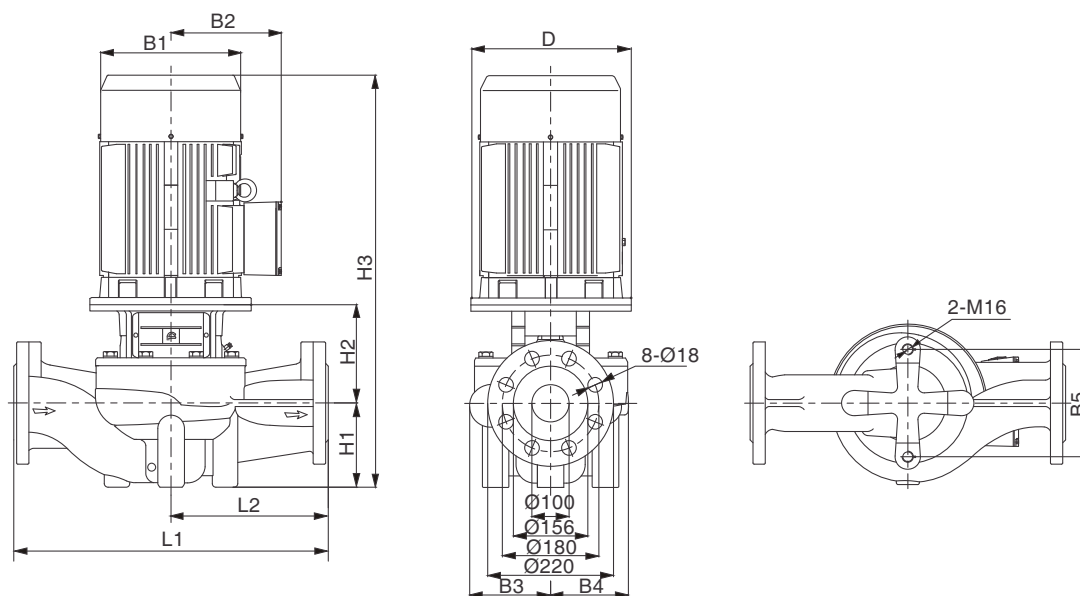
In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

VC-100

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE															
	kW	HP	lps	2.77	5.55	8.33	11.11	13.88	16.66	19.44	22.22	25	27.7	30.55	33.33	36.11	40.27	44.44
			m ³ /h	10	20	30	40	50	60	70	80	90	100	110	120	130	145	160
VCC-100/110-2	2.2	3	TOTAL MANOMETRIC HEAD IN METRES	13.9	13.2	12.2	10.8	9	6.8	4.4	-	-	-	-	-	-	-	-
VCC-100/128-2	4	5.5		18.6	18.2	17.7	17.1	16.2	15	13.4	11	-	-	-	-	-	-	-
VCC-100/130-2	5.5	7.5		21.7	21.5	21.1	20.7	20	19.2	18.3	17	15.3	13	10.4	-	-	-	-
VCC-100/141-2	7.5	10		26.8	26.6	26.3	25.9	25.3	24.5	23.4	22	20.3	18.2	15.8	-	-	-	-
VCT-100/155-2	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	-	-
VCT-100/170-2	15	20		37.1	37	36.8	36.6	36.2	42.4	35.3	34.7	33.9	33	31.7	30.1	27.9	-	-
VCT-100/181-2	18.5	25		43.3	43.2	43.1	42.9	42.7	50.3	42.1	41.6	40.9	40	38.9	37.4	35.3	-	-
VCT-100/196-2	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	-	-
VCT-100/212-2	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

DIMENSIONAL DRAWING

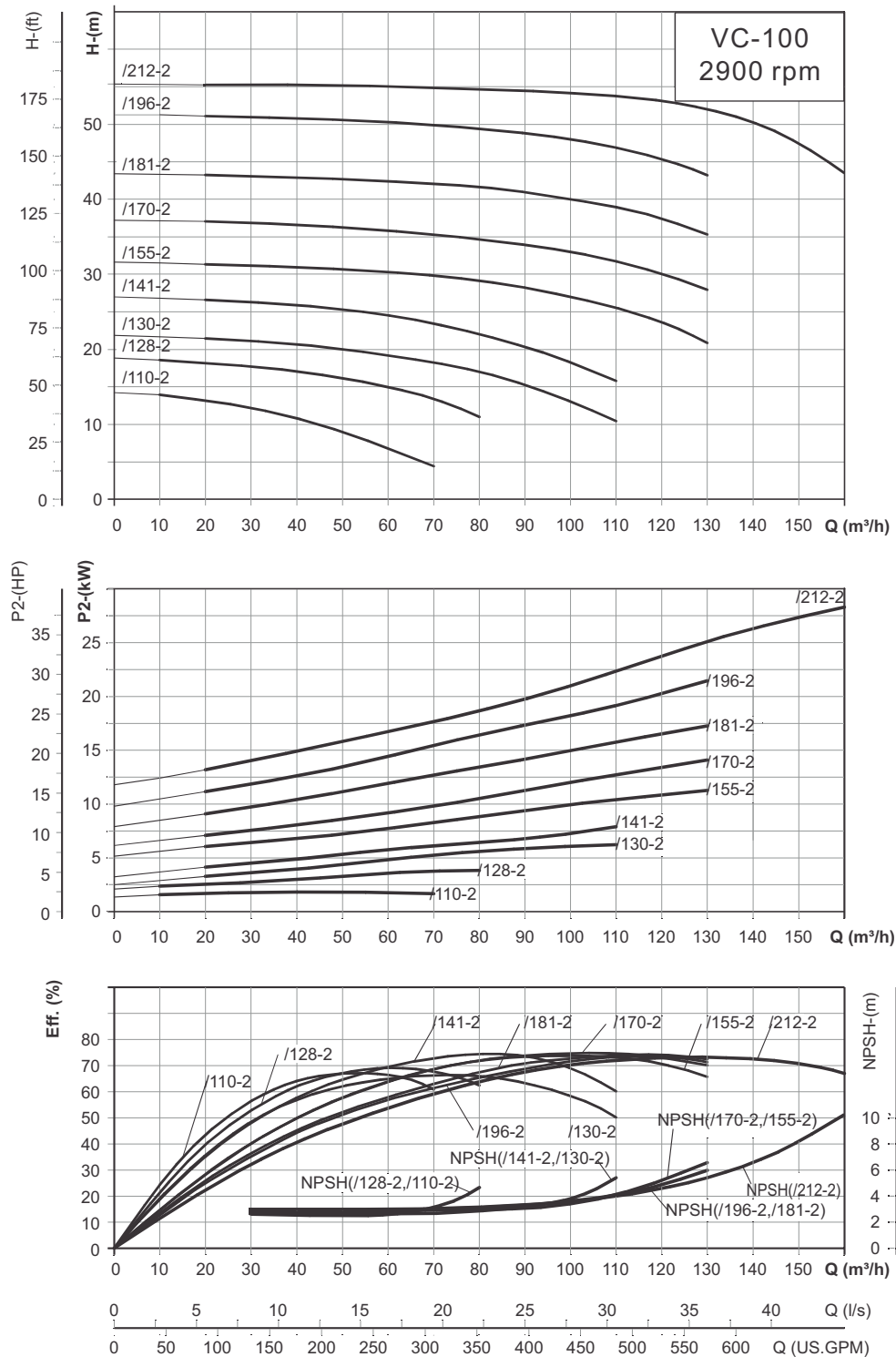


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCC-100/110-2	140	175	155	134	101	160	105	178	573	450	225	65
VCC-100/128-2	160	215	190	134	101	160	105	190	650	450	225	83
VCC-100/130-2	200	260	205	150	117	144	140	215	745	500	250	119
VCC-100/141-2	200	260	205	150	117	144	140	215	745	500	250	122
VCT-100/155-2	350	350	245	147	123	144	140	260	880	550	275	183
VCT-100/170-2	350	350	265	147	123	144	140	260	900	550	275	194
VCT-100/181-2	350	350	265	181	152	230	140	270	960	550	275	224
VCT-100/196-2	350	350	280	181	152	230	140	270	985	550	275	260
VCT-100/212-2	400	400	305	181	152	230	140	270	1060	550	275	318

PERFORMANCE CURVE

VC-100



Note : Performance curve are as per specific gravity and viscosity of water.

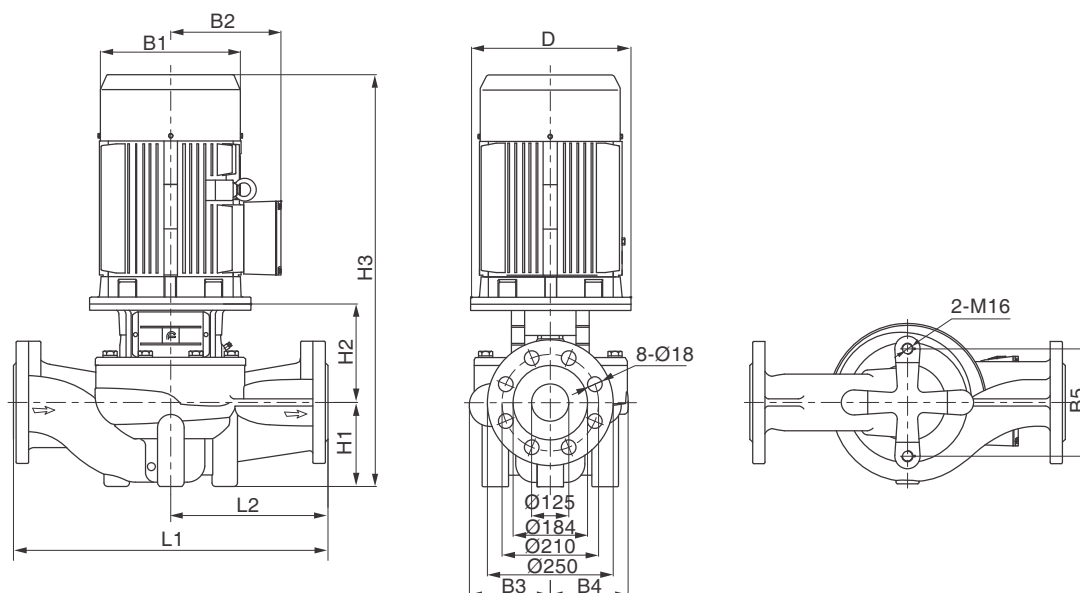
In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

VC-125

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE									
	kW	HP	lps	11.11	16.66	22.22	27.77	33.33	38.88	44.44	50	55.55
			m ³ /h	40	60	80	100	120	140	160	180	200
VCC-125/208-4	5.5	7.5	TOTAL MANOMETRIC HEAD IN METRES	12.9	12.7	12.4	11.8	11	9.9	8		
VCC-125/225-4	7.5	10		16.2	15.9	15.5	14.9	14	12.8	11.2		
VCT-125/252-4	11	15		21.5	21.3	21	20.6	19.9	19.1	18	16.4	14.1
VCT-125/281-4	15	20		26.7	26.5	26.2	25.7	24.9	23.7	22	19.8	16.7
VCT-125/298-4	18.5	25		30.9	30.8	30.7	30.5	30.1	29.3	28	25.8	22.2
VCT-125/314-4	22	30		34.6	34.6	34.5	34.4	34	33.3	32	30.2	27.3
VCT-125/357-4	30	40		43.9	43.6	43.3	42.9	42.2	41.3	40	38	35.4
VCT-125/362-4	37	50		51.5	51.3	51.3	50.5	49.9	49.1	48	46.4	44.2

DIMENSIONAL DRAWING

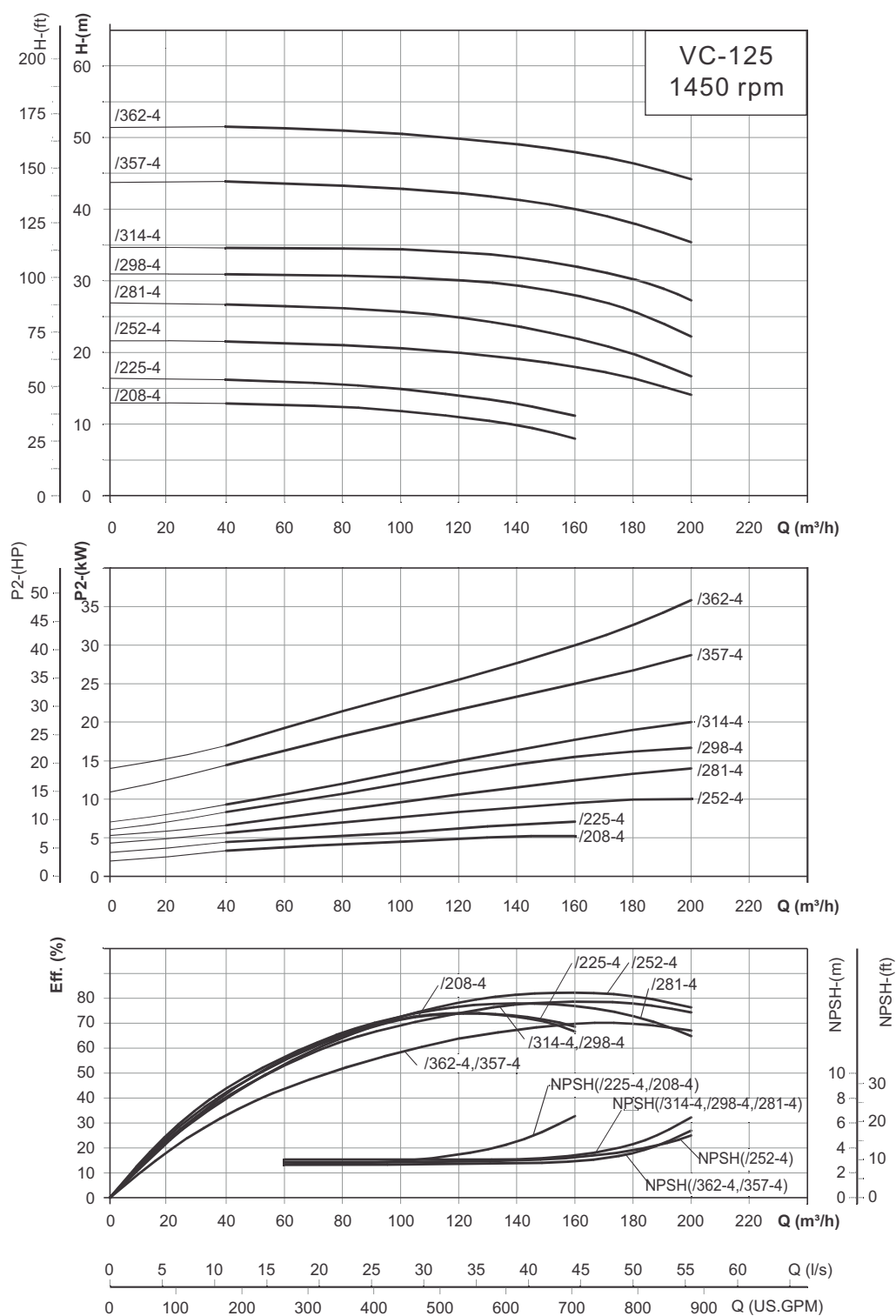


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCC-125/208-4	200	260	208	216	176	230	215	228	832	620	310	166
VCC-125/225-4	200	260	208	216	176	230	215	228	832	620	310	169
VCT-125/252-4	350	330	255	211	177	230	215	276	989	800	400	257
VCT-125/281-4	350	330	255	236	208	230	215	292	1047	800	400	302
VCT-125/298-4	350	330	255	236	208	230	215	292	1057	800	400	321
VCT-125/314-4	350	330	255	236	208	230	215	292	1057	800	400	356
VCT-125/357-4	400	400	310	272	248	230	215	314	1178	800	400	442
VCT-125/362-4	450	450	325	272	248	230	215	314	1203	800	400	498

PERFORMANCE CURVE

VC-125



Note : Performance curve are as per specific gravity and viscosity of water.

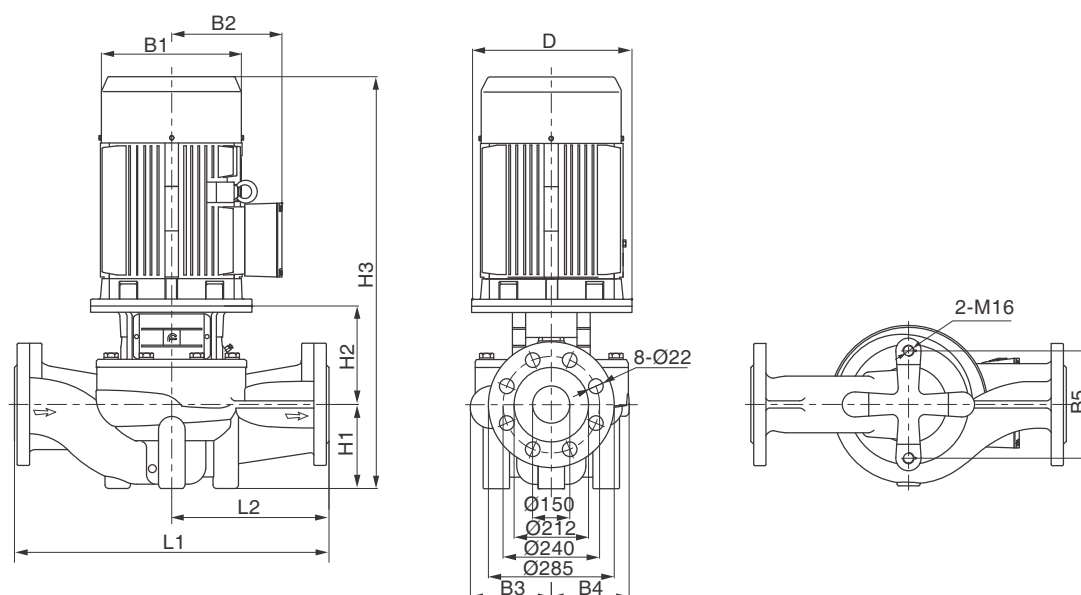
In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

VC-150

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE								
	kW	HP	lps	13.88	22.22	30.55	38.88	47.22	55.55	61.11	66.66
			m ³ /h	50	80	110	140	170	200	220	240
VCT-150/213-4	11	15	TOTAL MANOMETRIC HEAD IN METRES	14.6	14.5	14.4	14.2	13.7	12.5	11.1	9.2
VCT-150/232-4	15	20		18.8	18.8	18.7	18.5	18	17	16.1	15
VCT-150/253-4	18.5	25		23.3	23.1	22.9	22.6	22	21	19.8	17.9
VCT-150/288-4	22	30		28	28	27.8	27.3	26.5	25	23.5	21.3
VCT-150/324-4	30	40		35.5	35.4	35.2	34.8	34.2	33	31.5	29.6
VCT-150/355-4	37	50		43.1	43	42.8	42.4	41.6	40	38.4	36.2
VCT-150/385-4	45	60		52.4	52.4	52	51.7	51.1	50	48.7	46.7

DIMENSIONAL DRAWING

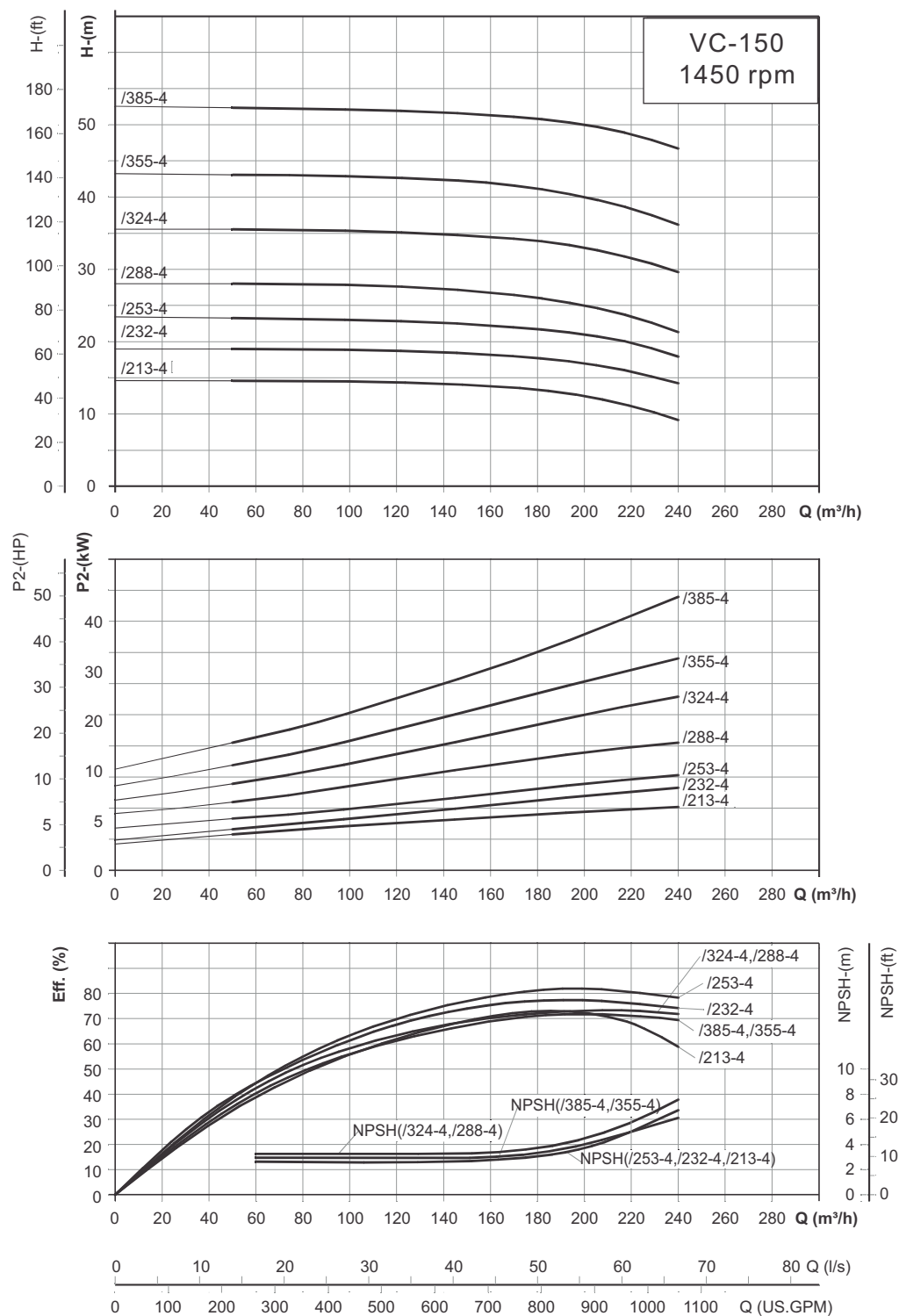


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCT-150/213-4	350	310	250	217	180	230	215	290	1003	800	400	257
VCT-150/232-4	350	310	250	217	180	230	215	290	1045	800	400	278
VCT-150/253-4	350	360	275	217	180	230	215	290	1082	800	400	313
VCT-150/288-4	350	360	275	238	208	230	215	269	1099	800	400	354
VCT-150/324-4	400	400	305	235	208	230	215	269	1133	800	400	406
VCT-150/355-4	450	450	325	267	248	230	230	288	1192	900	450	511
VCT-150/385-4	450	450	325	267	248	230	230	288	1215	900	450	548

PERFORMANCE CURVE

VC-150



Note : Performance curve are as per specific gravity and viscosity of water.

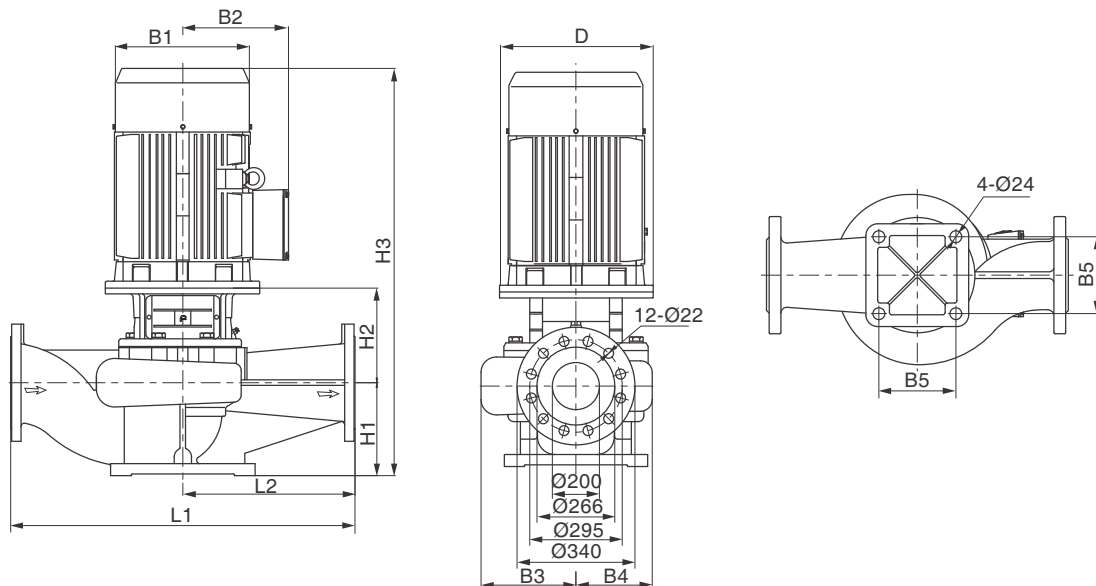
In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

VC-200

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE										
	kW	HP	lps	25	33.33	41.66	50	58.33	66.66	75	83.33	91.66	100
			m ³ /h	90	120	150	180	210	240	270	300	330	360
VCT-200/260-4	18.5	25	TOTAL MANOMETRIC HEAD IN METRES	18	17.7	17.5	17.2	16.8	16.4	15.8	15	14.1	12.9
VCT-200/270-4	22	30		21	20.7	20.5	20.2	19.8	19.4	18.8	18	17.1	15.8
VCT-200/290-4	30	40		26.1	26	25.8	25.8	25.4	25.1	24.6	24	23.1	21.9
VCT-200/318-4	37	50		33.4	33.2	33	32.6	32.2	31.6	30.9	30	29	27.7
VCT-200/336-4	45	60		38.3	38.3	38.1	37.8	37.3	36.7	35.9	35	33.8	32.2
VCT-200/363-4	55	75		46.3	46.1	45.9	45.6	45.4	45	44.6	44	43.1	41.9
VCT-200/390-4	75	100		55.7	55.7	55.7	55.5	55.3	54.8	54	53	51.6	50

DIMENSIONAL DRAWING

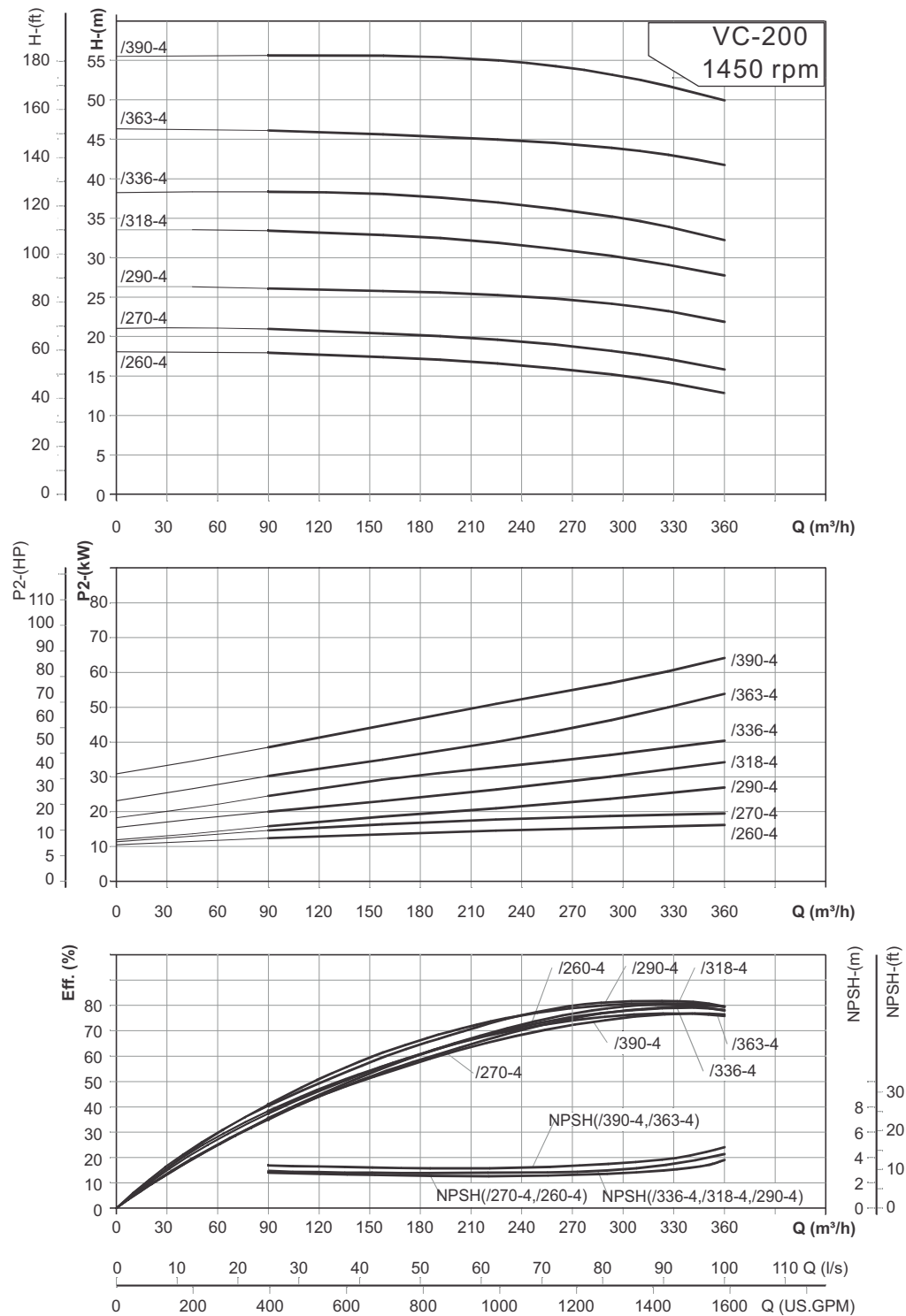


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCT-200/260-4	350	360	280	278	219	360	270	415	1262	1000	500	418
VCT-200/270-4	350	360	280	278	219	360	270	415	1300	1000	500	435
VCT-200/290-4	400	400	305	303	252	360	270	415	1334	1100	550	537
VCT-200/318-4	450	450	335	303	252	360	270	445	1389	1100	550	603
VCT-200/336-4	450	450	335	303	252	360	270	445	1412	1100	550	649
VCT-200/363-4	550	490	365	315	269	360	270	457	1500	1100	550	751
VCT-200/390-4	550	550	400	315	269	360	270	457	1556	1100	550	884

PERFORMANCE CURVE

VC-200



Note : Performance curve are as per specific gravity and viscosity of water.

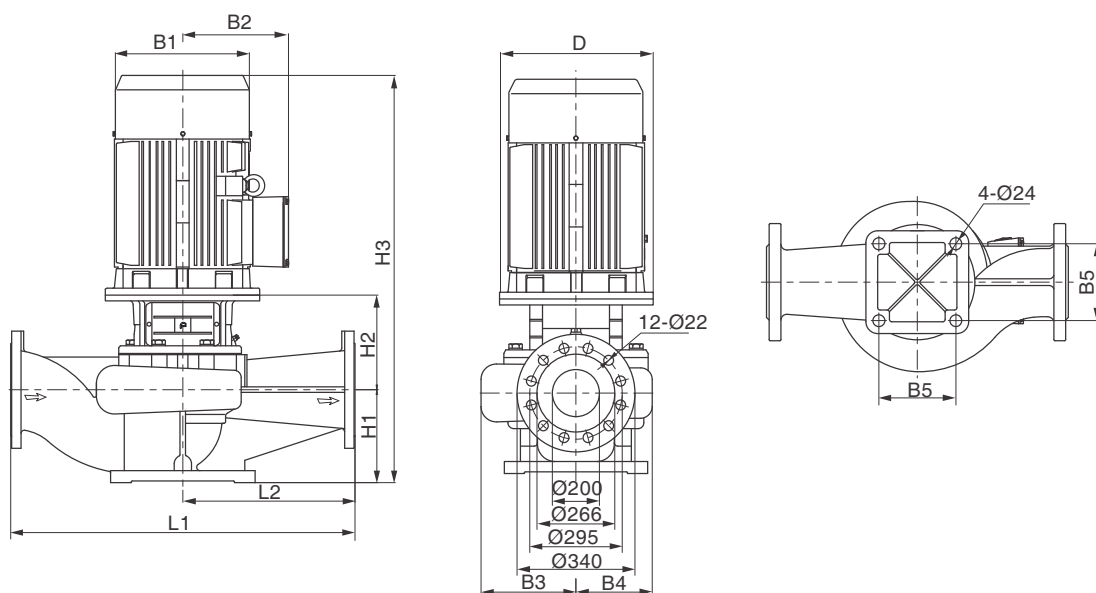
In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

VC-200

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE									
	kW	HP	lps	44.44	55.55	66.66	77.77	88.88	100	111.11	122.22	133.33
			m ³ /h	160	200	240	280	320	360	400	440	480
VCT-200/264-4	22	30	TOTAL MANOMETRIC HEAD IN METRES	17.2	16.9	16.5	15.9	15.1	14	12.5	10.7	8
VCT-200/287-4	30	40		24.6	24.4	24	23.6	22.8	21.7	20	17.5	14.2
VCT-200/308-4	37	50		28.1	27.8	27.4	26.8	25.9	24.8	23	20.9	18.2
VCT-200/325-4	45	60		32.1	31.7	31.2	30.5	29.6	28.4	27	24.9	22.5
VCT-200/340-4	55	75		37.5	37.1	36.5	35.7	34.7	33.3	32	29.9	27.7
VCT-200/370-4	75	100		47	46.7	46.4	45.9	45.3	44.4	43	41.1	38.6
VCT-200/396-4	90	120		52.9	52.8	52.6	52.2	51.7	51	50	48.3	45.5

DIMENSIONAL DRAWING

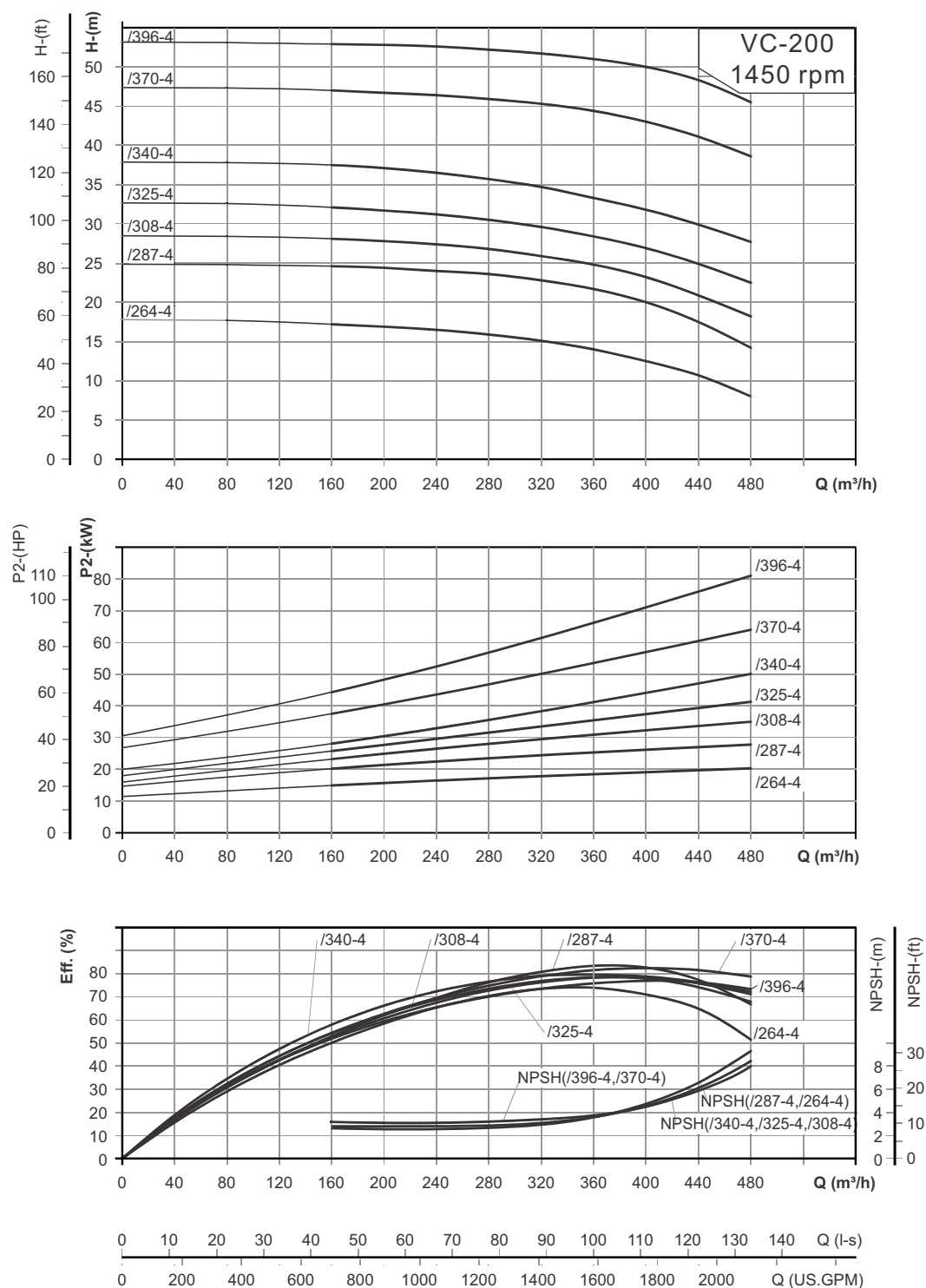


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCT-200/264-4	350	360	280	278	218	360	270	415	1300	1000	500	432
VCT-200/287-4	400	400	305	278	219	360	270	415	1334	1000	500	492
VCT-200/308-4	450	450	335	303	252	360	270	445	1389	1100	550	602
VCT-200/325-4	450	450	335	303	252	360	270	445	1412	1100	550	638
VCT-200/340-4	550	490	365	303	252	360	270	445	1488	1100	550	710
VCT-200/370-4	550	550	400	315	269	360	270	457	1556	1100	550	883
VCT-200/396-4	550	550	400	315	269	360	270	457	1607	1100	550	975

PERFORMANCE CURVE

VC-200



Note : Performance curve are as per specific gravity and viscosity of water.

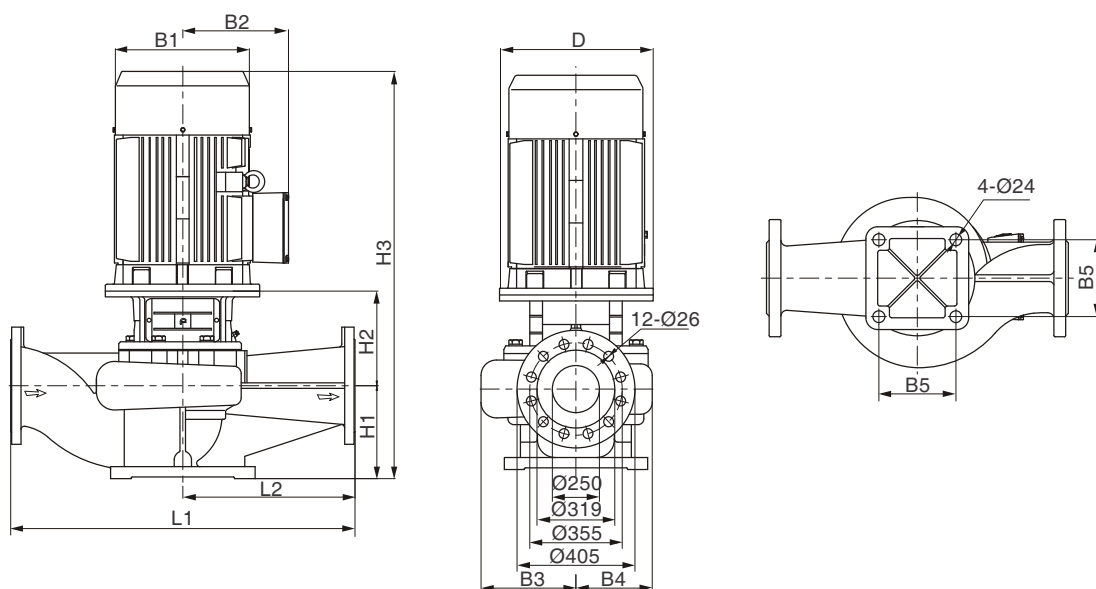
In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

VC-250

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE										
	kW	HP	lps	41.66	55.55	69.44	83.33	97.22	111.11	125	138.89	152.78	166.67
			m ³ /h	150	200	250	300	350	400	450	500	550	600
VCT-250/261-4	30	40	TOTAL MANOMETRIC HEAD IN METRES	18.8	18.4	18	17.6	17.1	16.4	15.8	15	14.1	12.7
VCT-250/274-4	37	50		21.2	20.9	20.5	20.1	19.7	19.2	18.7	18	17.1	15.9
VCT-250/286-4	45	60		24.1	23.8	23.5	23.1	22.8	22.3	21.8	21	20	18.8
VCT-250/308-4	55	75		30.3	30	29.6	29.2	28.8	28.3	27.7	27	26.1	24.9
VCT-250/345-4	75	100		39.1	38.8	38.5	38.2	37.8	37.3	36.8	36	35	33.4
VCT-250/376-4	90	120		47.4	47.1	46.8	46.4	45.9	45.4	44.8	44	43	41.6
VCT-250/405-4	110	150		56.2	55.9	55.6	55.3	54.8	54.3	53.7	53	54.1	50.9

DIMENSIONAL DRAWING

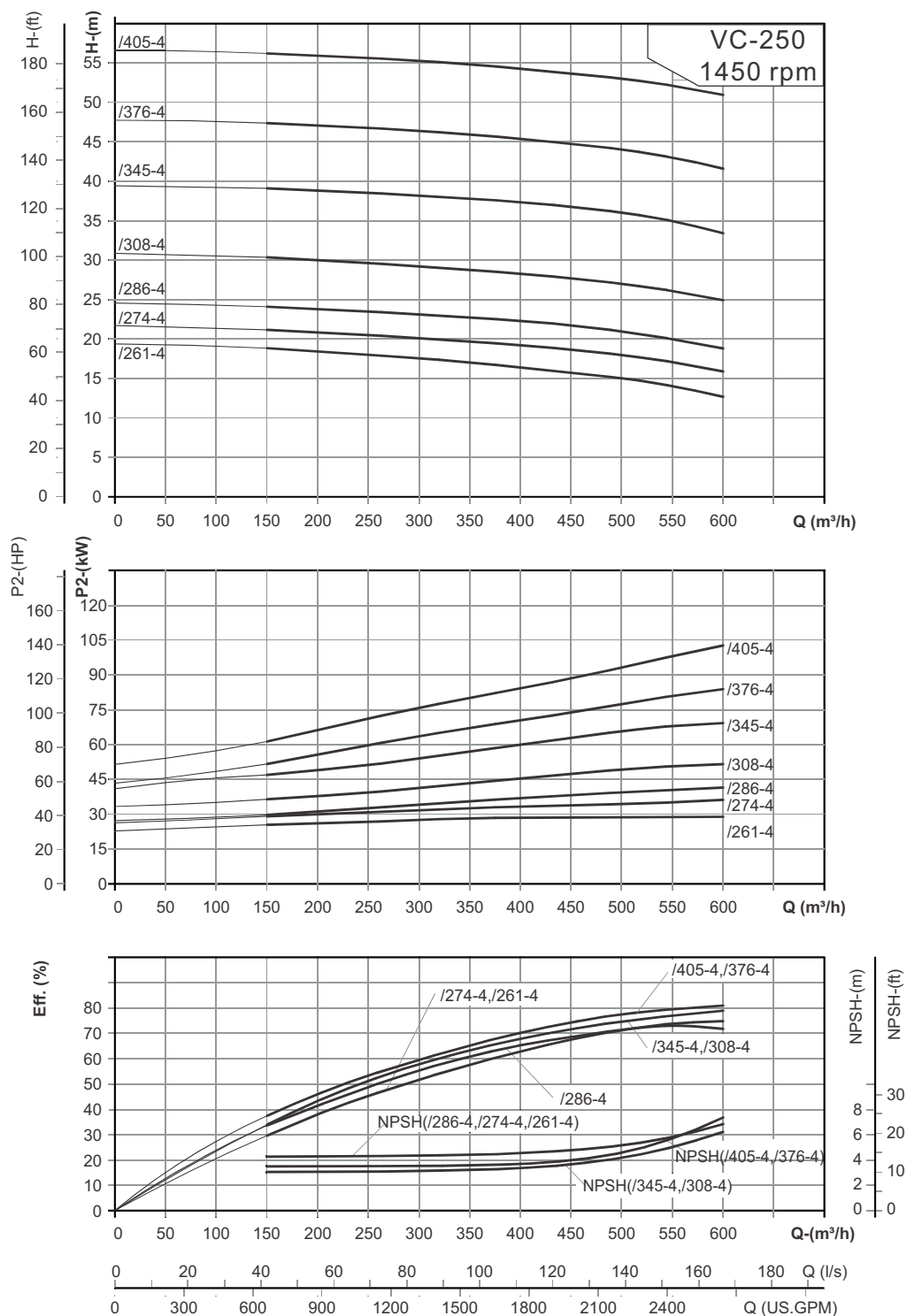


DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCT-250/261-4	400	400	305	316	243	390	300	465	1414	1100	550	553
VCT-250/274-4	450	450	335	316	243	390	300	495	1469	1100	550	614
VCT-250/286-4	450	450	335	316	243	390	300	495	1492	1100	550	650
VCT-250/308-4	550	490	365	329	264	440	300	507	1580	1100	550	780
VCT-250/345-4	550	550	400	329	264	440	300	507	1636	1100	550	909
VCT-250/376-4	550	550	400	347	292	440	305	485	1670	1200	600	1032
VCT-250/405-4	660	625	555	347	292	440	305	525	1840	1200	600	1391

PERFORMANCE CURVE

VC-250



Note : Performance curve are as per specific gravity and viscosity of water.

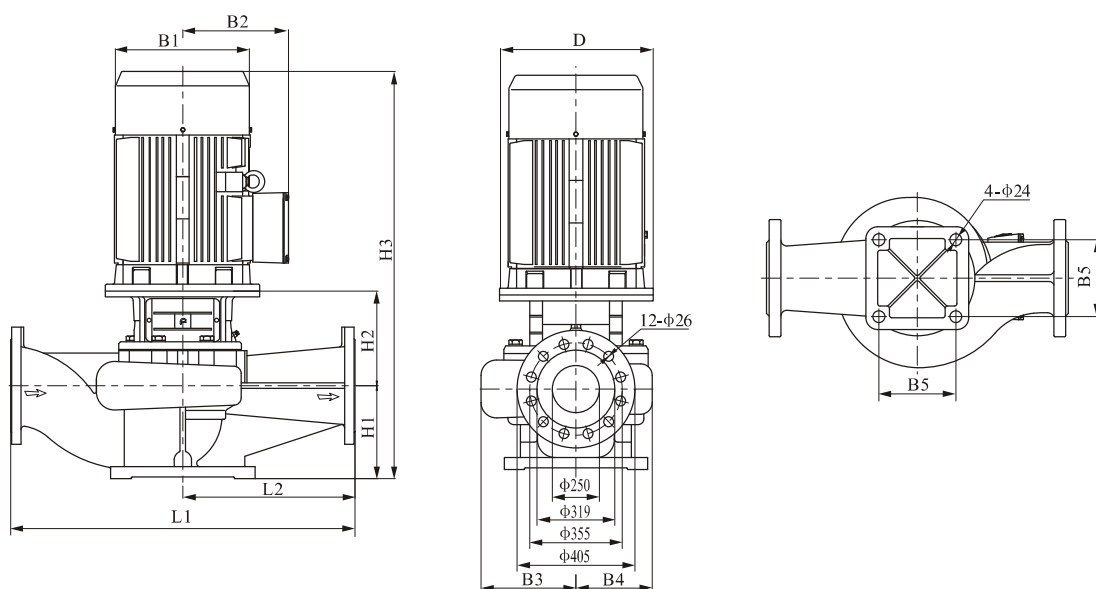
In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

VC-250

PERFORMANCE TABLE

MODEL	MOTOR POWER		DISCHARGE											
	kW	HP	lps m ³ /h	66.66	83.33	100	116.66	133.33	166.67	166.67	175	183.33	200	208.33
VCT-250/260-4	30	40	TOTAL MANOMETRIC HEAD IN METRES	240	300	360	420	480	540	600	630	660	720	750
VCT-250/264-4	37	50		18.4	17.9	17.2	16.4	15.5	14.5	13.2	12.5	11.8	9.9	8.7
VCT-250/278-4	45	60		20	19.5	18.9	18.2	17.5	16.6	15.6	14	13.4	12.6	11.6
VCT-250/290-4	55	75		21.8	21.3	20.8	20.1	19.4	18.6	17.6	17	16.3	14.4	13.4
VCT-250/322-4	75	100		24.5	24.1	23.7	23.1	22.4	21.5	20.5	20	19.3	17.6	16.5
VCT-250/340-4	90	120		31.7	31.3	30.6	29.9	29.1	28.2	26.8	26	25.5	23.1	21.9
VCT-250/378-4	110	150		36.7	36.3	35.7	35.1	34.3	33.5	32.6	32	31.3	29.5	28.4
VCT-250/406-4	132	180		46	45.5	44.9	44.2	43.4	42.3	40.8	40	39.1	36.8	35.5
				55.6	55.2	54.6	53.9	53.2	52.3	50.9	50	49	46.7	45.4

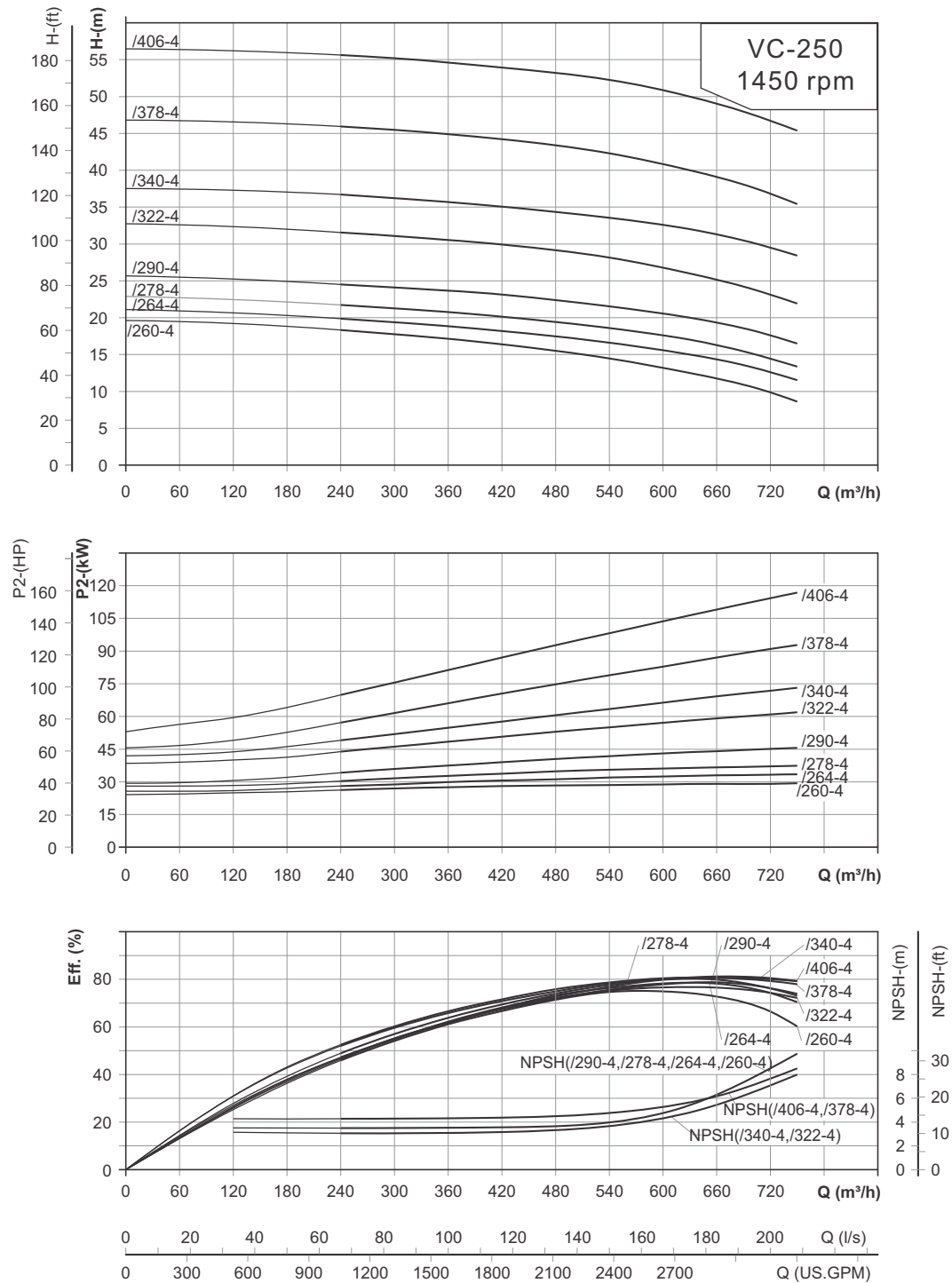
DIMENSIONAL DRAWING



DIMENSIONS & WEIGHT

MODEL	DIMENSIONS IN mm (APPROX)											WEIGHT (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
VCT-250/260-4	400	400	305	316	243	390	300	465	1414	1100	550	552
VCT-250/264-4	450	450	335	316	243	390	300	495	1469	1100	550	613
VCT-250/278-4	450	450	335	316	243	390	300	495	1492	1100	550	649
VCT-250/290-4	550	490	365	316	243	390	300	495	1568	1100	550	722
VCT-250/322-4	550	550	400	329	264	440	300	507	1636	1100	550	909
VCT-250/340-4	550	550	400	329	264	440	300	507	1687	1100	550	999
VCT-250/378-4	660	625	555	347	292	440	305	525	1840	1200	600	1389
VCT-250/406-4	660	625	555	347	292	440	305	525	1990	1200	600	1473

PERFORMANCE CURVE

VC-250

Note : Performance curve are as per specific gravity and viscosity of water.

In view of continuous development, the information / descriptions / specifications / illustrations are subject to change without notice.

Notes :

[illegible]

[illegible]

[illegible]

W | N N | N G W A Y S

When you have a good thing going it is quite
in the fitting of things that recognitions come
our way. Several prestigious awards, which
decorate our shelf, say it all. These rewards
not only acknowledge our position as a leader
in the water pump industry but also serve as
reminders about what the customer expects
from a winner. And we, as ever, have our ears
perfectly tuned to customer expectations.

