BASIC CONCEPTS & INFORMATION

To choose a proper pump we need to know 2 basic values: Flow and Head or Lift Pressure.

Flow (Q)

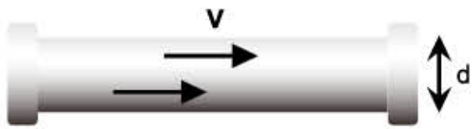
Q=A X v

A: Surface area of delivery pipe, π x (d/2)2 [m2]

v: speed of liquid (water) in the pipe [m/s]

Q: the quantity of liquid (water) flowing trough the pipe in a certain period.

- 1 litre/s = 3.6 m³/h
- 1 litre/min = 0.06 m³/h



Delivery Head (Hi)

The maximum possible height between the inlet point of the pump and the water outlet point (normally a tap)[m].

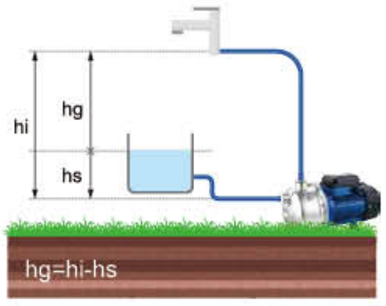
Suction Head(Hs)

The height between the water level in the sump and the suction port of the pump [m].

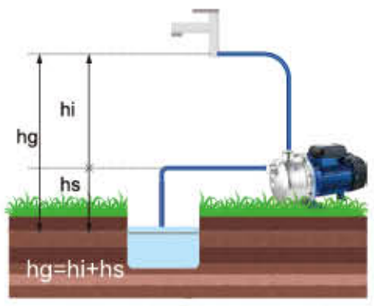
Geometrical Height (Hg)

hg=hs+hi (Positive Suction)

hg=hi-hs (Negative Suction)



Negative Suction



Positive Suction

MINIMUM WATER CONSUMPTION IN SINGLE-FAMILY DAILY WATER SUPPLY:

Kitchen + bathroom = 1.7 m³/h

Kitchen + bathroom + WC = 1.8 m³/h

Kitchen + 2 bathrooms = 2 m³/h

Kitchen + 3 bathrooms = 2.2 m³/h

APPROXIMATE CONSUMPTION FOR GARDENS WITH SURFACE AREA:

Surface (m²)	100	200	300	400
Flow (m³/h)	0.75	1.5	2.25	3

E.g. If we want to calculate the flow required for a home with 1 KITCHEN and 2 BATHROOMS and 200 m2 of garden. Here is goes:

KITCHEN + 2 BATHROOMS + 200 m² = 2 m³/h + 1.5 m³/h = 3.5 m³/h

CONTENTS

02-10 **DHL** Stainless Steel Horizontal Multistage Pump



11-19 **BP-DHL** Horizontal Constant Pressure Variable Frequency Water Supply System



20-30 **DH/DHS** Stainless Steel Horizontal Multistage Pump



31-62 **DV/DVS** Stainless Steel Multistage Centrifugal Pump



63-66 **ELP** Economic Vertical Multistage Pump



67-68 **DPR** Cold & Hot Water Circulation Inline Pump



69-102 **DP** Vertical In-line Pump



103-109 **DSTL** Stainless Steel Standard Centrifugal Pump



110-117 **DST** Standard Centrifugal Pump



118-120 **BZ** Self-priming Centrifugal Pump



121-124 **ZW** Self-priming Centrifugal Sewage Pump



COMMERCIAL **PUMP**



DHL

Stainless Steel Horizontal Multistage Pump



Single Phase



Three Phase

CMI Use

Private House

Industrial Use

Application

Building water supply and drainage

Garden sprinkler system and fish farming

Small air conditioner system or HVAC

Pipeline pressurization and supporting equipment

Industrial circulation system and booster system

Model Instruction

DHL (m) 2 - 5

- Impeller stages
- Rated Flow(m^3/h)
- Single Phase(Omitted for Three-phase)
- Stainless Steel Horizontal Multistage Pump

Pump

Max. ambient temperature: 40°C

Liquid temperature range: 0°C~70°C

High temperature resistant model: Max. 105°C

Max.operating pressure: 10 bar

Max. Inlet pressure: 6 bar

Motor

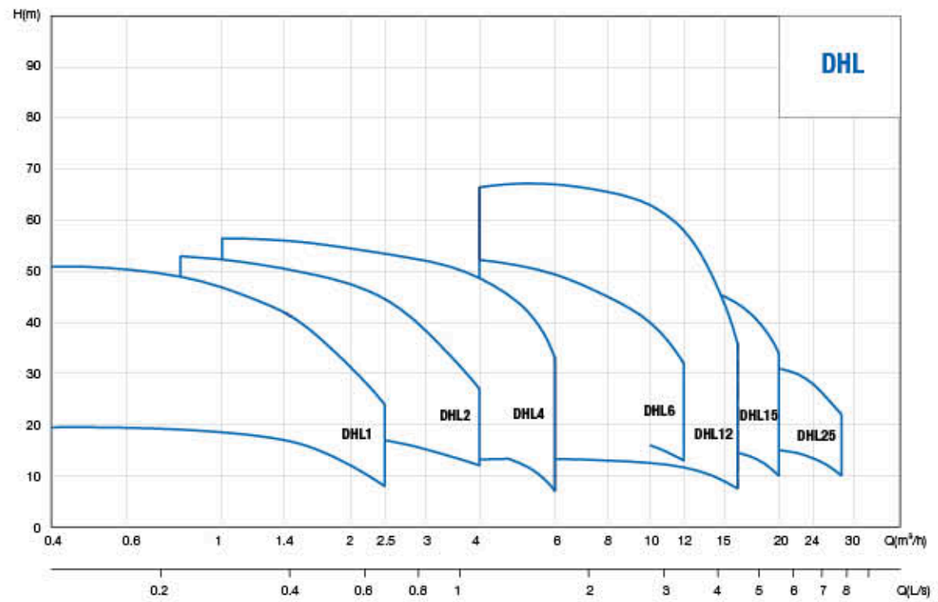
Protection class: IP55

Insulation class: F

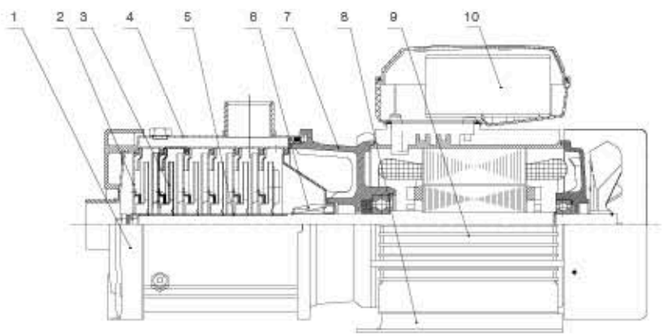
Frequency range: 50/60Hz

Nominal speed: 2900/3500 rpm

Product Range

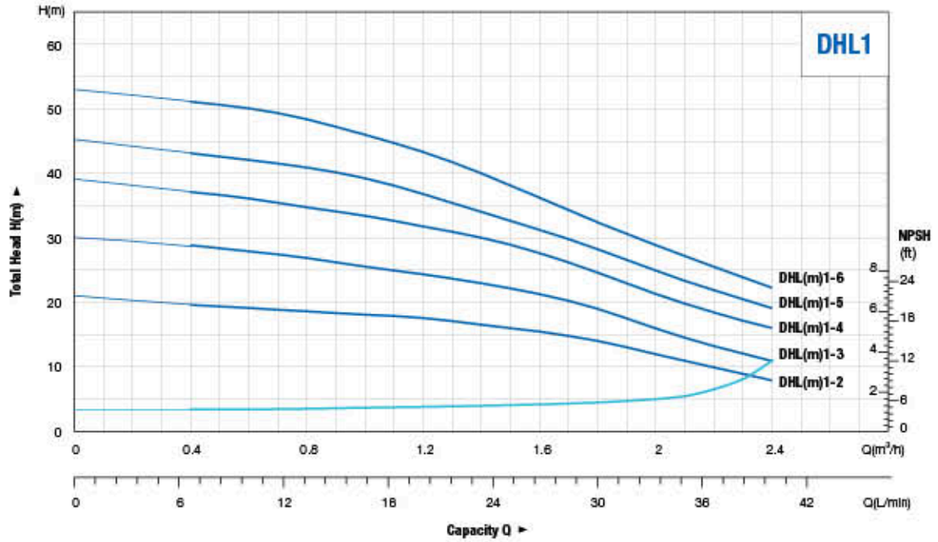


Model Analysis



NO.	Component	Material	NO.	Component	Material
1	Pump cover	ADC12	6	Mechanical seal	SiC/Carbon
2	Diffuser	AISI304	7	Bracket	ADC12
3	Impeller	AISI304	8	Base	Q235
4	Pump casing	AISI304	9	Stator	
5	Sleeve	AISI304	10	Terminal box	

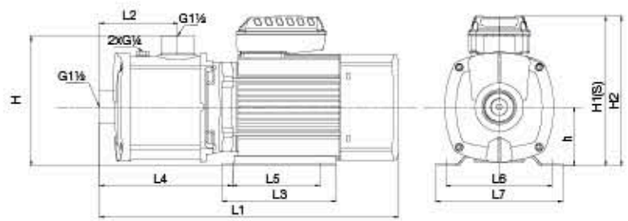
Performance Curves



Technical Table

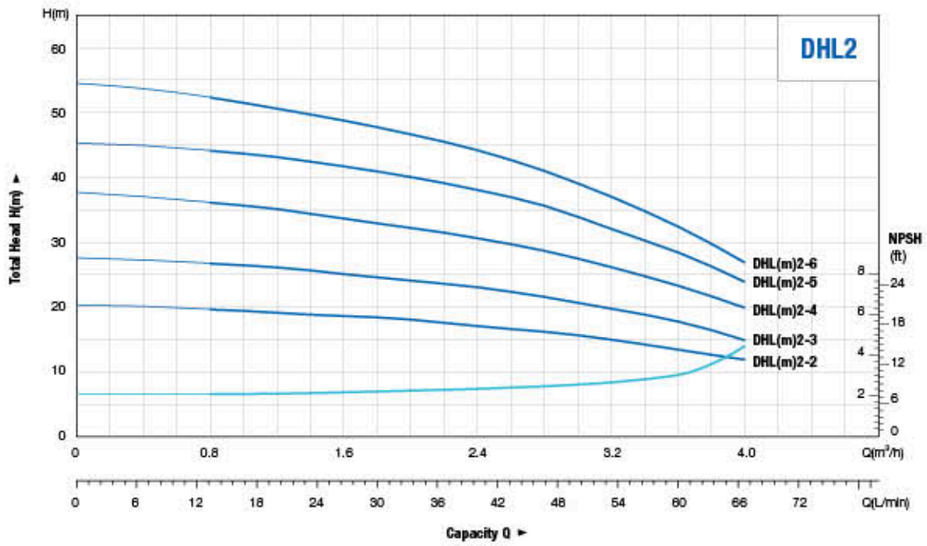
Model	Power		Q(m³/h)	0.4	0.6	0.8	1	1.2	1.4	1.8	2	2.4
	kW	HP	Q(l/min)	7	10	13	17	20	23	30	33	40
DHL(m)1-2	0.37	0.5		19.5	19	18.5	18	17.5	17	14	12	8
DHL(m)1-3	0.37	0.5		29	28.5	26	25	24.5	23.5	19	16	11
DHL(m)1-4	0.37	0.5	H(m)	37	36	35	33	32	30	26	20	17
DHL(m)1-5	0.37	0.5		43	42	41	40	36	34	27	22	20
DHL(m)1-6	0.37	0.5		51	50	49	46	44	42	32	26	24

Installation Size And Package Information



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	h (mm)	H (mm)	H1(S) (mm)	H2 (mm)	Packaging Size(mm)	Weight (kg)
DHL(m)1-2	351	71	150	166	96	125	158	75	163	197	209	401×220×275	9.6
DHL(m)1-3	351	71	150	166	96	125	158	75	163	197	209	401×220×275	9.8
DHL(m)1-4	369	89	150	184	96	125	158	75	163	197	209	419×220×275	10.2
DHL(m)1-5	387	107	150	202	96	125	158	75	163	197	209	437×220×275	10.4
DHL(m)1-6	405	125	150	220	96	125	158	75	163	197	209	455×220×275	10.6

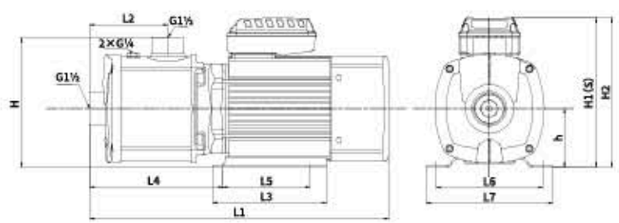
Performance Curves



Technical Table

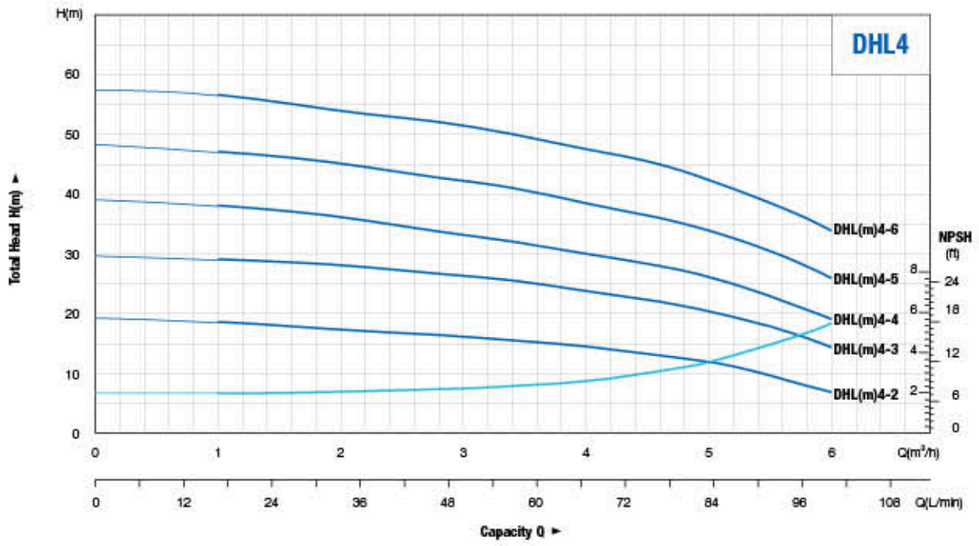
Model	Power		Q(m³/h)	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
	kW	HP	Q(l/min)	13	20	27	33	40	47	53	60	67
DHL(m)2-2	0.37	0.5		19.5	19	18.5	18	17	16.5	14.5	13.5	12
DHL(m)2-3	0.37	0.5		27	26	25	24	23	22	20	17	15
DHL(m)2-4	0.55	0.75	H(m)	36	35	34	32	31	29	27	23	20
DHL(m)2-5	0.55	0.75		44	43	42	40	38	36	33	28.5	24
DHL(m)2-6	0.75	1		53	51.5	48	47	45	41	38	31.5	27

Installation Size And Package Information



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	h (mm)	H (mm)	H1(S) (mm)	H2 (mm)	Packaging Size(mm)	Weight (kg)
DHL(m)2-2	351	71	150	166	96	125	158	75	163	197	209	401×220×275	9.6
DHL(m)2-3	351	71	150	166	96	125	158	75	163	197	209	401×220×275	9.6
DHL(m)2-4	369	89	150	184	96	125	158	75	163	197	209	419×220×275	10.7
DHL(m)2-5	387	107	150	202	96	125	158	75	163	197	209	437×220×275	11.5
DHL(m)2-6	405	125	150	220	96	125	158	75	163	197	209	455×220×275	12.4

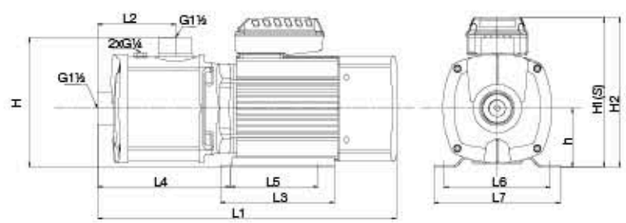
Performance Curves



Technical Table

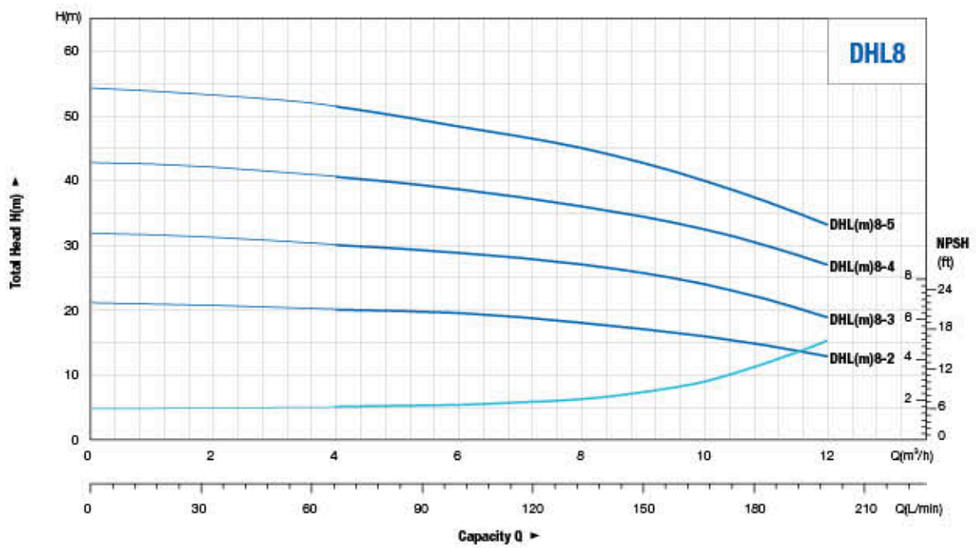
Model	Power		Q(m³/h)	1	1.6	2.2	2.8	3.4	4	4.6	5.2	5.8	6
	kW	HP	Q(l/min)	17	27	37	47	57	67	77	87	97	100
DHL(m)4-2	0.55	0.75		18.5	18	17	16	15.5	15	13.5	12	8	7
DHL(m)4-3	0.55	0.75		29	28.5	28	26	25.5	25	23	21	16	14
DHL(m)4-4	0.75	1	H(m)	38	37	36	33	32	30	28	26	20	18
DHL(m)4-5	1.1	1.5		47	46	45	43	41	40	36	34	28	25
DHL(m)4-6	1.1	1.5		56.5	55	54	52	51	49	45	42	36	33

Installation Size And Package Information



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	h (mm)	H (mm)	H1(S) (mm)	H2 (mm)	Packaging Size(mm)	Weight (kg)
DHL(m)4-2	351	71	150	166	96	125	158	75	163	197	209	401×220×275	10.7
DHL(m)4-3	351	71	150	166	96	125	158	75	163	197	209	401×220×275	10.9
DHL(m)4-4	369	89	150	184	96	125	158	75	163	197	209	419×220×275	11.5
DHL(m)4-5	387	107	150	202	96	125	158	90	179	220	232	455×220×275	14.3
DHL(m)4-6	405	125	150	220	96	125	158	90	179	220	232	470×220×275	15.6

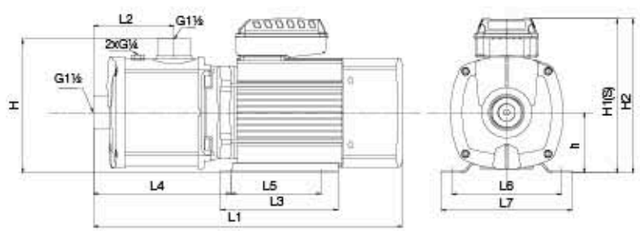
Performance Curves



Technical Table

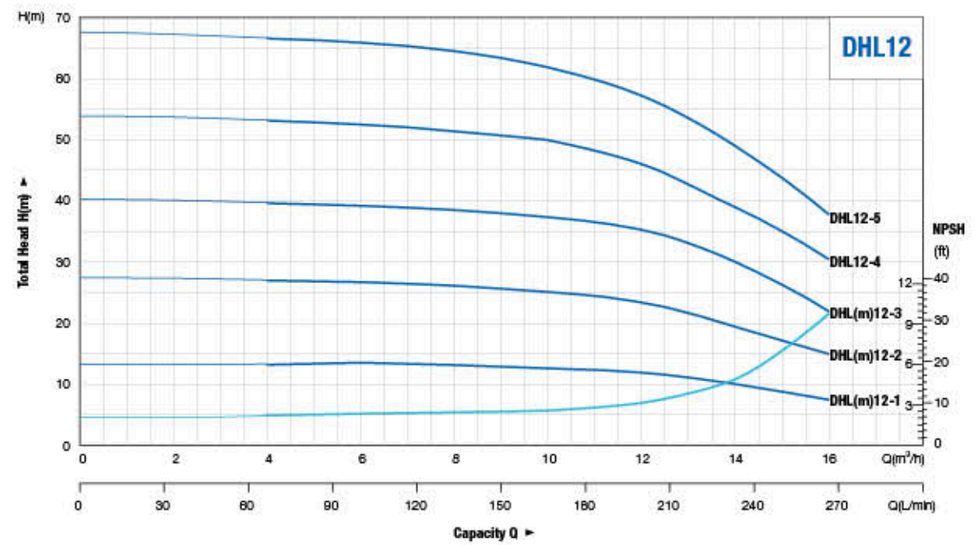
Model	Power		Q(m³/h)	4	6	7	8	9	10	12
	kW	HP	Q(l/min)	67	100	117	133	150	167	200
DHL(m)8-2	0.75	1	H(m)	20	19.5	19	18	17	16	13
DHL(m)8-3	1.1	1.5		30	29.5	28	27	26	24	19
DHL(m)8-4	1.5	2		40.5	39.5	37	36	34	32	26
DHL(m)8-5	2.2	3		51	50	48	45	43	40	32

Installation Size And Package Information



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	h (mm)	H (mm)	H1(S) (mm)	H2 (mm)	Packaging Size(mm)	Weight (kg)
DHL(m)8-2	407	90	150	194	96	125	158	90	200	220	232	445×280×310	16.2
DHL(m)8-3	437	120	150	224	96	125	158	90	200	220	232	515×280×310	22.3
DHL(m)8-4	504	150	180	243	141	165	200	90	202	231	243	575×280×310	28
DHL(m)8-5	534	180	180	273	141	165	200	90	202	231	243	605×280×310	28.6

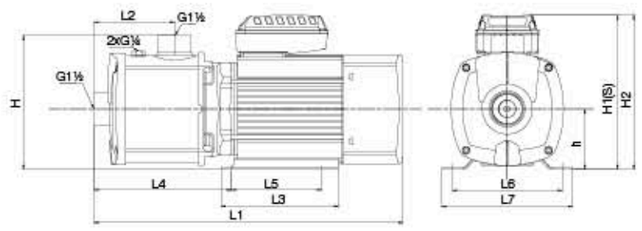
Performance Curves



Technical Table

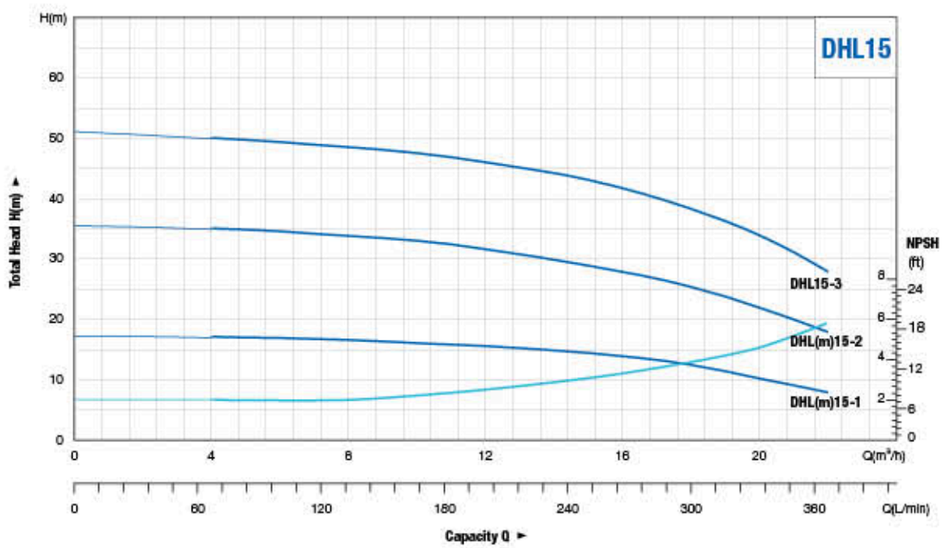
Model	Power		Q(m³/h)	4	8	10	12	14	16
	kW	HP	Q(l/min)	67	133	167	200	233	266
DHL(m)12-1	0.75	1	H(m)	13.2	13	12.5	12	10	7.5
DHL(m)12-2	1.1	1.5		26.5	26	25.5	24	20	15
DHL(m)12-3	2.2	3		39.5	39	38	36	30	22
DHL12-4	3	4		53	52	50	47	39	29
DHL12-5	3	4		66.5	65	63	58	49	36

Installation Size And Package Information



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	h (mm)	H (mm)	H1(S) (mm)	H2 (mm)	Packaging Size(mm)	Weight (kg)
DHL(m)12-1	407	90	150	194	96	125	158	90	200	220	232	445×280×310	13.2
DHL(m)12-2	407	90	150	194	96	125	158	90	200	220	232	445×280×310	16.2
DHL(m)12-3	474	120	180	213	141	165	200	90	200	231	243	515×280×310	22.3
DHL12-4	539	150	180	257	140	189	230	100	208	/	265	575×280×310	28
DHL12-5	569	180	180	287	140	189	230	100	208	/	265	605×280×310	28.6

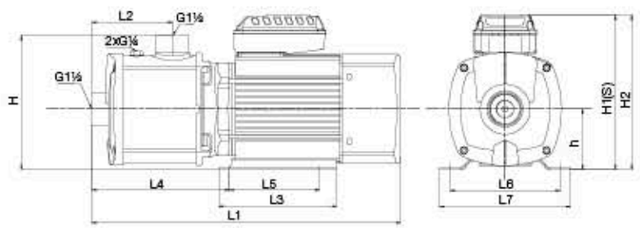
Performance Curves



Technical Table

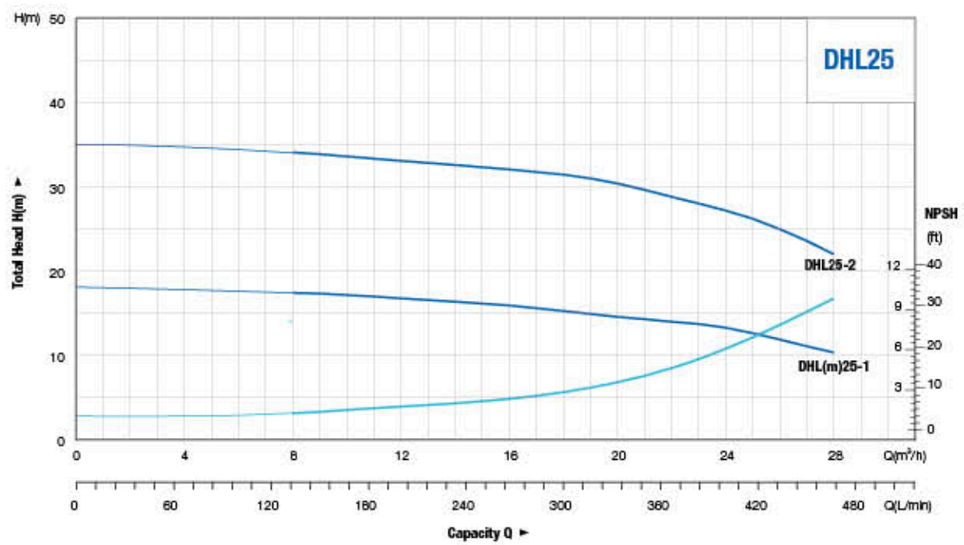
Model	Power		Q(m³/h)	4	6	8	10	12	15	18	20	22
	kW	HP	Q(l/min)	67	100	133	167	200	250	300	333	367
DHL(m)15-1	1.1	1.5	H(m)	17	16.8	16.5	16	15.5	15	13	10	8
DHL(m)15-2	2.2	3		35	34.5	34	33.5	32	30	26	22	18
DHL15-3	4	5.5		50	49	48	47.5	46	45	40	34	28

Installation Size And Package Information



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	h (mm)	H (mm)	H1(S) (mm)	H2 (mm)	Packaging Size(mm)	Weight (kg)
DHL(m)15-1	407	90	150	194	96	125	158	90	202	220	232	445×280×310	15.6
DHL(m)15-2	444	90	180	183	141	165	200	90	202	231	243	485×280×310	21.5
DHL15-3	509	120	180	227	140	189	230	100	210	/	265	545×280×310	30

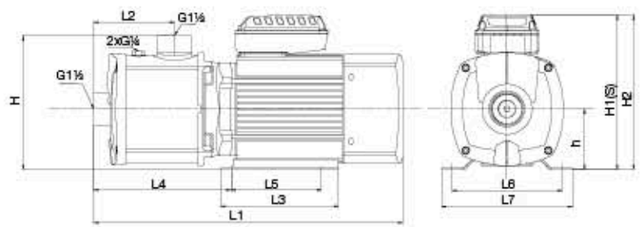
Performance Curves



Technical Table

Model	Power		Q(m³/h)	8	10	12	16	20	22	24	26	28
	kW	HP	Q(l/min)	133	167	200	267	333	367	400	433	467
DHL(m)25-1	2.2	3	H(m)	17.5	17	16.5	16	15	14.5	14	12	10
DHL25-2	4	5.5		34	33.5	33	32	31	30	28	25	22

Installation Size And Package Information



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	h (mm)	H (mm)	H1(S) (mm)	H2 (mm)	Packaging Size(mm)	Weight (kg)
DHL(m)25-1	444	90	180	183	141	165	200	90	202	231	243	485×280×310	21.2
DHL25-2	434	120	180	152	140	189	230	100	210	/	265	515×280×310	29

BP-DHL

Horizontal Constant Pressure Variable Frequency Water Supply System



CMI Use

Private House

Industrial Use

Product Introduction

BP-DHL are intelligent water pressure booster set designed for domestic and small commercial. The integrated VFD (variable frequency drive) can keep the pipeline pressure constant. Pressure sensor can real time monitor water consumption changing, and transmit to the VFD. VFD can adjust motor/pump speed accordingly to adapt water consumption changing.

Application

Villas, townhouses, centralized residences, small communities, small hotels, small office buildings and other household and small commercial water supply and pressurization; Also widely used in liquid transportation and circulation, cooling systems in light industry system.
Ultrafiltration systems, RO(reverse osmosis) systems, other water treatment application.

Operating Conditions

To transfer liquids with low viscosity, non-flammable, non-explosive, not easy to vaporize, without solid particles and fibers. Liquid cannot chemically react to pump material, when density and viscosity of pumping liquid higher than water, needs to equip with bigger power motor.
Liquid temperature: -20°C ~ +105°C
Flow range: 0.4 ~ 28m³/h
Liquid PH value: 5 ~ 9
Max. Ambient temperature: +40°C
Max. working pressure: 10 bar
Highest altitude: 1000 m
Power range: 0.37 ~ 4 kW

Model Instruction

BP - DHL (m) 2 - 5

- Impeller Stage
- Rated Flow(m^3/h)
- Single Phase(Omitted for three phase)
- Horizontal Multistage Centrifugal Pump
- Variable Frequency Constant Pressure Pump Set

Motor

Fully enclosed, air-cooled, squirrel-cage motor
Protection class IP54
Insulation class: F
IE2 as standard, IE3 available on request

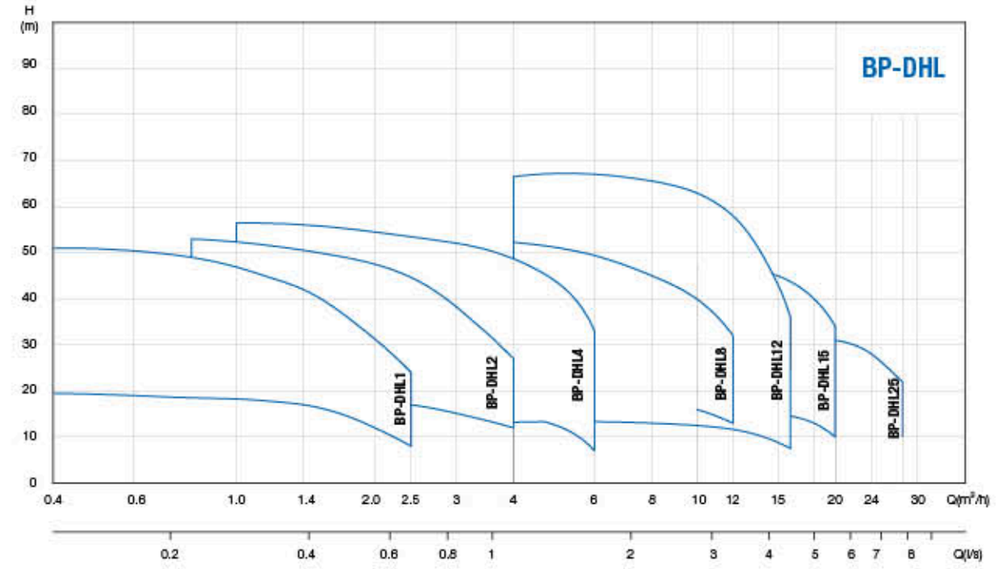
Components Consist

DHL Water Pump
VFD (variable frequency drive)
5-way connecting pipe with check valve
Pressure gauge
5L Pressure tank
Pressure Sensor

Features

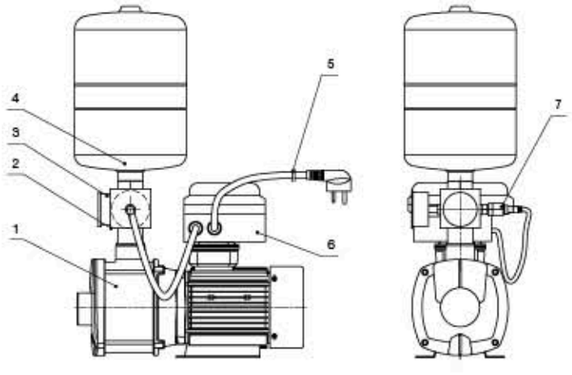
High efficiency and energy saving
Intelligent frequency conversion
Stainless steel wetted parts
Self-start function
Antifreeze function
Water shortage protection
Water leakage protection
Over voltage and over current protection
High pressure alarm
Long service life and low failure rate

Product Range



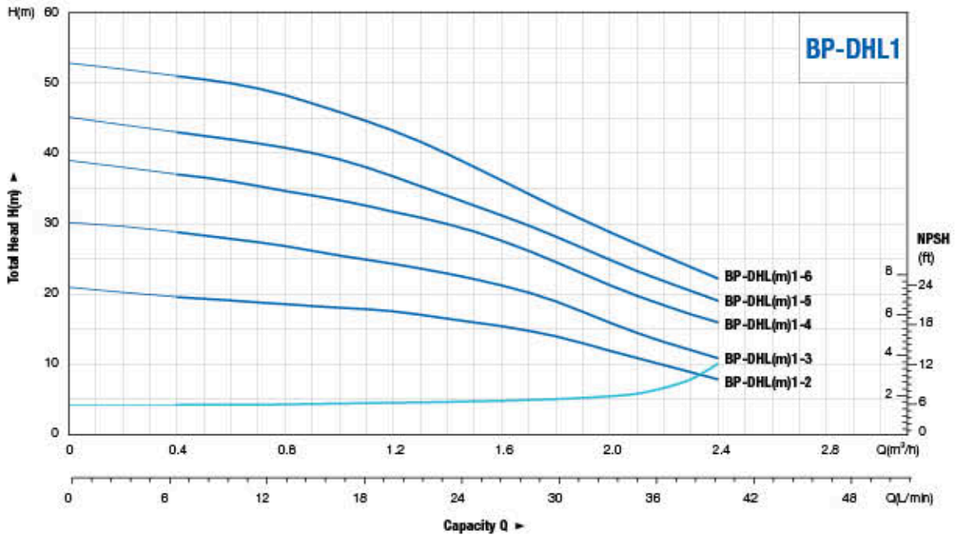
Model	Rated Flow		Flow Range		Power	Medium Temperature	Max. Efficiency	Inter/Out Pipe
	(m^3/h)	(l/s)	(m^3/h)	(l/s)	(kW)	(°C)	(%)	
BP-DHL	1	0.28	0.4-2.4	0.11~0.67	0.37	-20°C~+105°C	31.5	25/25
	2	0.56	0.8-4	0.22~1.11	0.37~0.75		41	25/25
	4	1.11	1-6	0.28~1.67	0.55~1.1		51	32/25
	8	2.22	4-12	1.11~3.33	0.75~2.2		57	40/40
	12	3.33	4-16	1.11~4.44	0.75~3		57	50/50
	15	4.17	4-22	1.11~6.11	1.1~4		66	50/50
	22	6.11	8-28	2.22~7.78	2.2~4		58	50/50

Model Analysis



NO.	Component	Remarks
1	DHL Pump	Horizontal Multistage Centrifugal Pump
2	Pressure Gauge	0~1.0MPa
3	Five-way with check-valve	Galvanized Copper
4	Pressure Tank	Single diaphragm pressure tank
5	Power Cable	10A~250V
6	VFD Drive	0.37~4kW
7	Pressure Sensor	0~1.0MPa

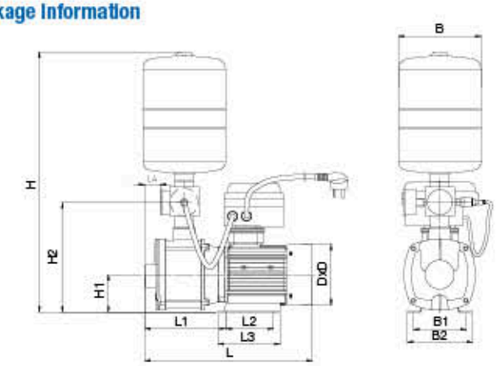
Performance Curves



Technical Table

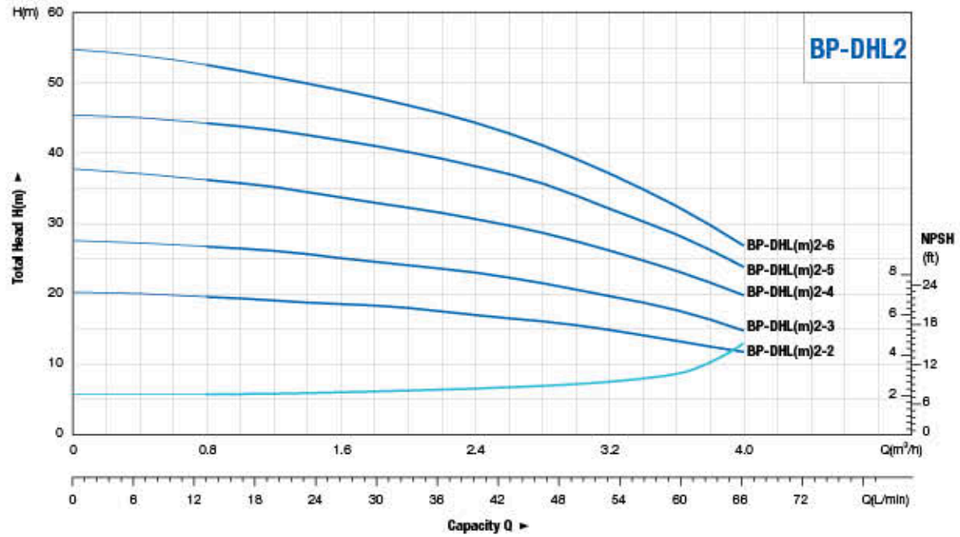
Model	Power		Q(m³/h)	0.4	0.6	0.8	1.0	1.2	1.14	1.8	2.0	2.4
	kW	HP	Q(l/min)	7	10	13	17	20	23	30	33	40
BP-DHL(m)1-2	0.37	0.5		19.5	19	18.5	18	17.5	17	14	12	8
BP-DHL(m)1-3	0.37	0.5		29	28.5	26	25	24.5	23.5	19	16	11
BP-DHL(m)1-4	0.37	0.5	H(m)	37	36	35	33	32	30	26	20	17
BP-DHL(m)1-5	0.37	0.5		43	42	41	40	36	34	27	22	20
BP-DHL(m)1-6	0.37	0.5		51	50	49	46	44	42	32	26	24

Installation Size And Package Information



Model	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	B (mm)	B1 (mm)	B2 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)	In. Dia	Out. Dia
BP-DHL(m)1-2	345	164	96	150	25	170	125	158	483	75	183	137	DN25	DN25
BP-DHL(m)1-3	345	164	96	150	25	170	125	158	483	75	233	137	DN25	DN25
BP-DHL(m)1-4	363	182	96	150	43	170	125	158	483	75	233	137	DN25	DN25
BP-DHL(m)1-5	381	200	96	150	61	170	125	158	483	75	233	137	DN25	DN25
BP-DHL(m)1-6	399	218	96	150	79	170	125	158	483	75	233	137	DN25	DN25

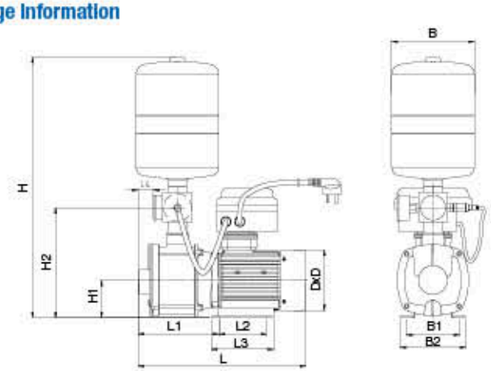
Performance Curves



Technical Table

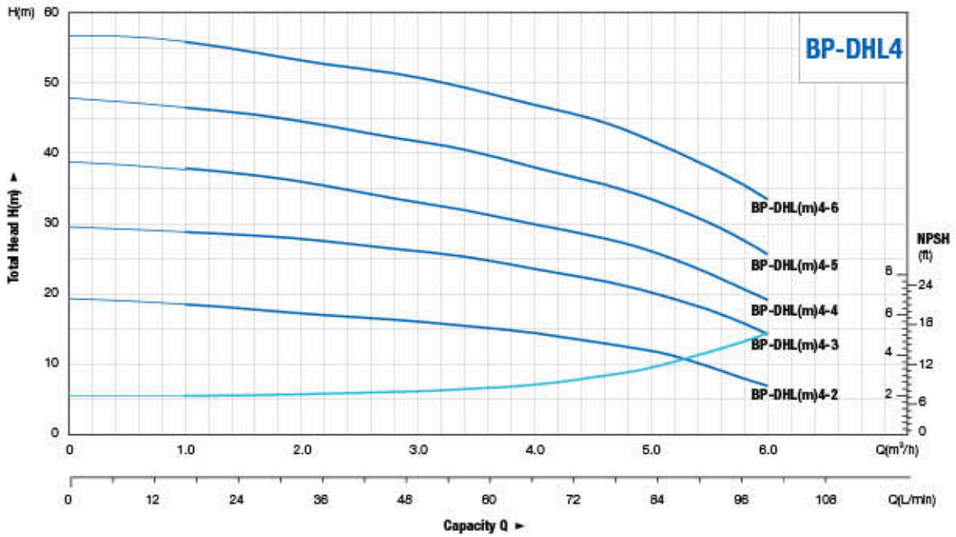
Model	Power		Q(m³/h)	0.8	1.2	1.6	2	2.4	2.8	3.2	3.6	4
	kW	HP	Q(l/min)	13	20	27	33	40	47	53	60	67
BP-DHL(m)2-2	0.37	0.5		19.5	19	18.5	18	17	16.5	14.5	13.5	12
BP-DHL(m)2-3	0.37	0.5		27	26	25	24	23	22	20	17	15
BP-DHL(m)2-4	0.55	0.75	H(m)	36	35	34	32	31	29	27	23	20
BP-DHL(m)2-5	0.55	0.75		44	43	42	40	38	36	33	28.5	24
BP-DHL(m)2-6	0.75	1		53	51.5	48	47	45	41	36	31.5	27

Installation Size And Package Information



Model	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	B (mm)	B1 (mm)	B2 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)	In. Dia	Out. Dia
BP-DHL(m)2-2	345	164	96	150	25	170	125	158	483	75	233	137	DN25	DN25
BP-DHL(m)2-3	345	164	96	150	25	170	125	158	483	75	233	137	DN25	DN25
BP-DHL(m)2-4	363	182	96	150	43	170	125	158	483	75	233	137	DN25	DN25
BP-DHL(m)2-5	381	200	96	150	61	170	125	158	483	75	233	137	DN25	DN25
BP-DHL(m)2-6	399	218	96	150	79	170	125	158	483	75	233	137	DN25	DN25

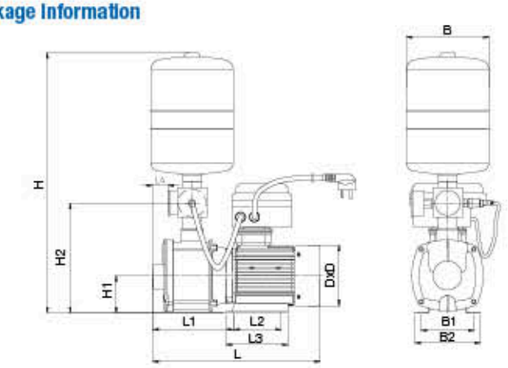
Performance Curves



Technical Table

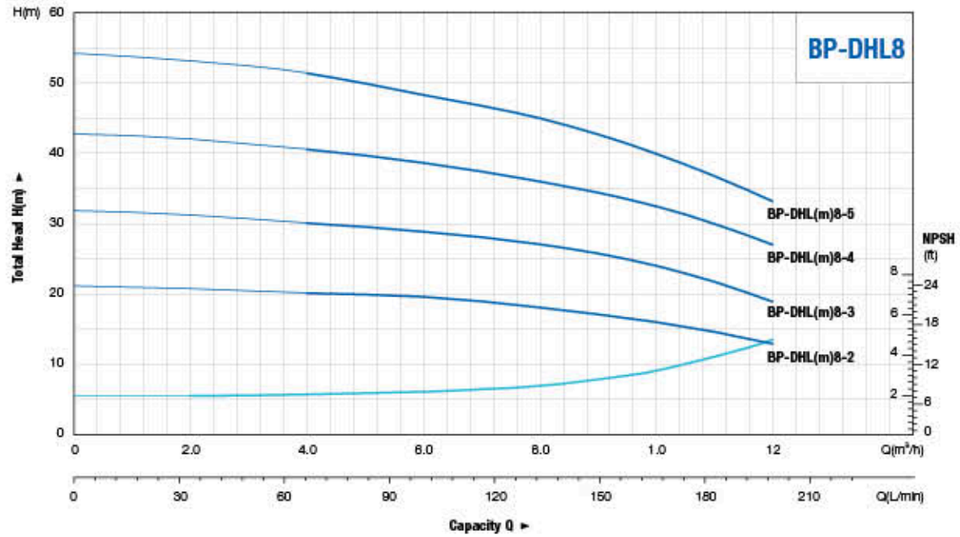
Model	Power		Q(m³/h)	1	1.6	2.2	2.8	3.4	4.0	4.6	5.2	5.8	6.0
	kW	HP	Q(l/min)	17	27	37	47	57	67	77	87	97	100
BP-DHL(m)4-2	0.55	0.75		18.5	18	17	16	15.5	15	13.5	12	8	7
BP-DHL(m)4-3	0.55	0.75		29	28.5	28	26	25.5	25	23	21	16	14
BP-DHL(m)4-4	0.75	1	H(m)	38	37	36	33	32	30	28	26	20	18
BP-DHL(m)4-5	1.1	1.5		47	46	45	43	41	40	36	34	28	25
BP-DHL(m)4-6	1.1	1.5		56.5	55	54	52	51	49	45	42	36	33

Installation Size And Package Information



Model	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	B (mm)	B1 (mm)	B2 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)	In. Dia	Out. Dia
BP-DHL(m)4-2	345	164	96	150	25	170	125	158	483	75	233	137	DN32	DN25
BP-DHL(m)4-3	345	164	96	150	25	170	125	158	483	75	233	137	DN32	DN25
BP-DHL(m)4-4	363	182	96	150	43	170	125	158	483	75	233	137	DN32	DN25
BP-DHL(m)4-5	408	198	96	150	61	170	125	158	483	90	233	147	DN32	DN25
BP-DHL(m)4-6	426	216	96	150	79	170	125	158	498	90	248	147	DN32	DN25

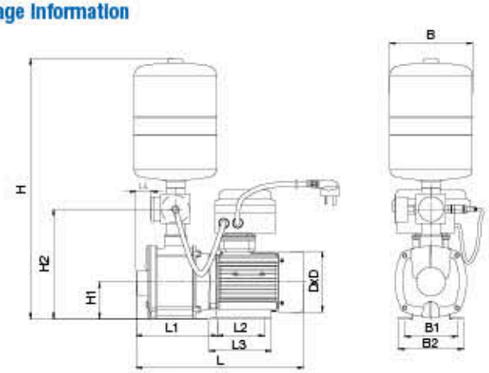
Performance Curves



Technical Table

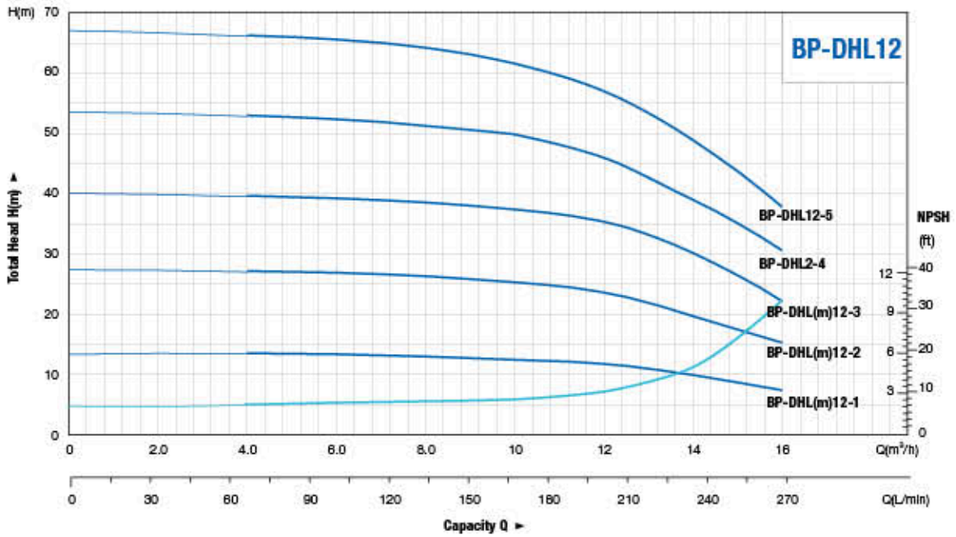
Model	Power		Q(m³/h)	4	6	7	8	9	10	12
	kW	HP	Q(l/min)	67	100	117	133	150	167	200
BP-DHL(m)8-2	0.75	1.0		20	19.5	19	18	17	16	13
BP-DHL(m)8-3	1.1	1.5		30	29.5	28	27	26	24	19
BP-DHL(m)8-4	1.5	2.0	H(m)	40.5	39.5	37	36	34	32	26
BP-DHL(m)8-5	2.2	3.0		51	50	48	45	43	40	32

Installation Size And Package Information



Model	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	B (mm)	B1 (mm)	B2 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)	In. Dia	Out. Dia
BP-DHL(m)8-2	405	195	96	150	31	200	125	158	578	90	260	147	DN40	DN40
BP-DHL(m)8-3	435	225	96	150	61	200	125	158	578	90	260	147	DN40	DN40
BP-DHL(m)8-4	501	240	141	180	91	200	165	200	580	92	262	168	DN40	DN40
BP-DHL(m)8-5	531	270	141	180	121	200	165	200	580	92	262	168	DN40	DN40

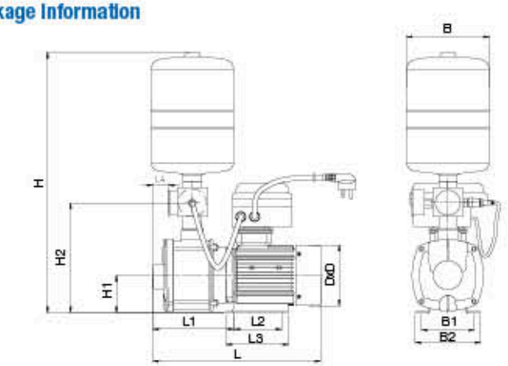
Performance Curves



Technical Table

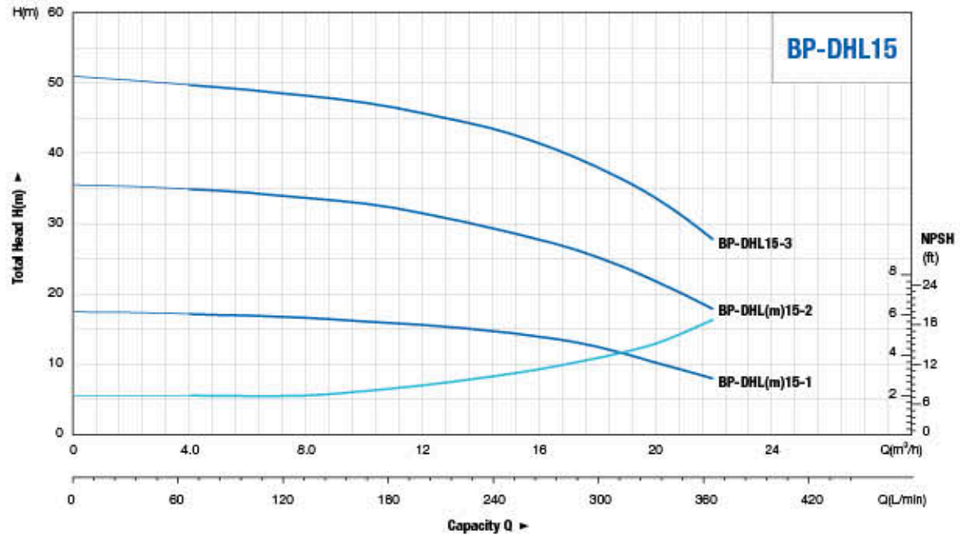
Model	Power		Q(m³/h)	4	8	10	12	14	16
	kW	HP	Q(l/min)	67	133	167	200	233	266
BP-DHL(m)12-1	0.75	1.0		13.2	13	12.5	12	10	7.5
BP-DHL(m)12-2	1.1	1.5		26.5	26	25.5	24	20	15
BP-DHL(m)12-3	2.2	3.0	H(m)	39.5	39	38	36	30	22
BP-DHL12-4	3.0	4.0		53	52	50	47	39	29
BP-DHL12-5	3.0	4.0		66.5	65	63	58	49	36

Installation Size And Package Information



Model	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	B (mm)	B1 (mm)	B2 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)	In. Dia	Out. Dia
BP-DHL(m)12-1	405	195	96	150	31	200	125	158	578	90	260	147	DN40	DN40
BP-DHL(m)12-2	405	195	96	150	31	200	125	158	578	90	260	147	DN40	DN40
BP-DHL(m)12-3	471	210	141	180	61	200	165	200	580	92	262	168	DN40	DN40
BP-DHL12-4	534	254	140	180	91	200	189	230	588	100	270	192	DN40	DN40
BP-DHL12-5	564	284	140	180	121	200	189	230	588	100	270	192	DN40	DN40

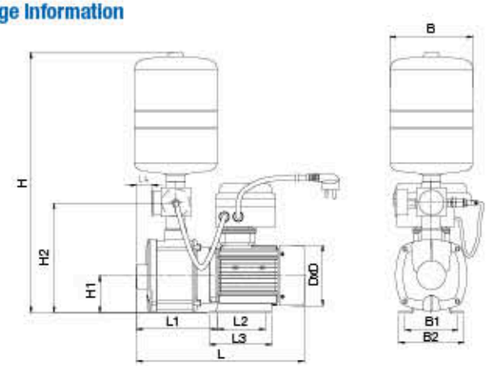
Performance Curves



Technical Table

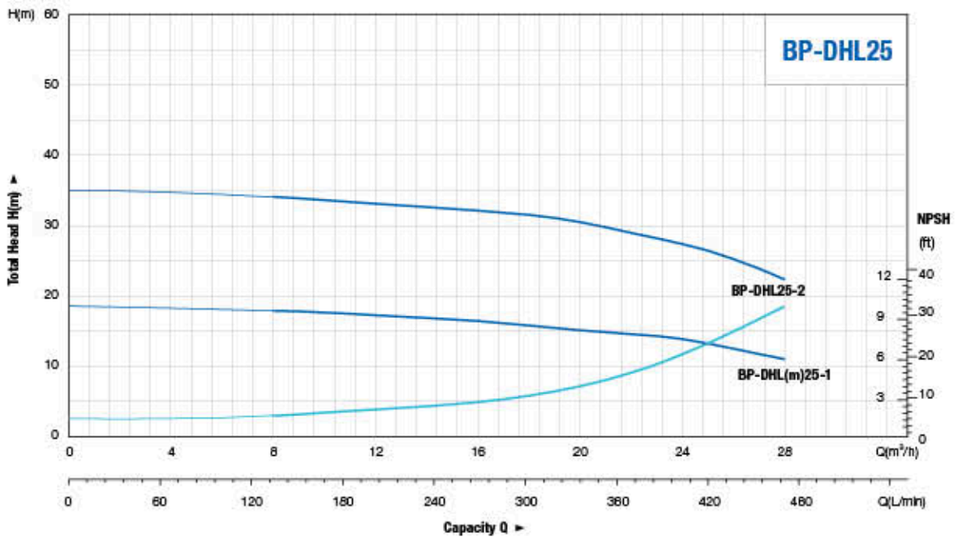
Model	Power		Q(m³/h)	4	6	8	10	12	15	18	20	22
	kW	HP	Q(l/min)	67	100	133	167	200	250	300	333	367
BP-DHL(m)15-1	1.1	1.5		17	16.8	16.5	16	15.5	15	13	10	8
BP-DHL(m)15-2	2.2	3.0	H(m)	35	34.5	34	33.5	32	30	26	22	18
BP-DHL15-3	4.0	5.5		50	49	48	47.5	46	45	40	34	28

Installation Size And Package Information



Model	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	B (mm)	B1 (mm)	B2 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)	In. Dia	Out. Dia
BP-DHL(m)15-1	405	195	96	150	22	200	125	158	606	90	270	147	DN50	DN50
BP-DHL(m)15-2	441	180	141	180	22	200	165	200	608	92	272	168	DN50	DN50
BP-DHL15-3	504	224	140	180	52	200	189	230	616	100	280	192	DN50	DN50

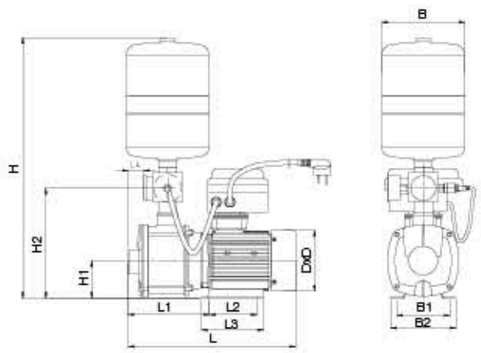
Performance Curves



Technical Table

Model	Power		Q(m³/h)	8	10	12	16	20	22	24	26	28
	kW	HP	Q(l/min)	133	167	200	267	333	367	400	433	467
BP-DHL(m)25-1	2.2	3	H(m)	17.5	17	16.5	16	15	14.5	14	12	10
BP-DHL25-2	4.0	5.5		34	33.5	33	32	31	30	28	25	22

Installation Size And Package Information



Model	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	B (mm)	B1 (mm)	B2 (mm)	H (mm)	H1 (mm)	H2 (mm)	D (mm)	In. Dia	Out. Dia
BP-DHL(m)25-1	441	180	141	180	22	200	165	200	608	92	272	168	DN50	DN50
BP-DHL(m)25-2	474	194	140	180	52	200	189	230	616	100	280	192	DN50	DN50

DH/DHS

Stainless Steel Horizontal Multistage Pump

CMI Use
Private House
Industrial Use



DH



DHS

Application

Building water supply and drainage
Garden sprinkler system and fish farming
Small air conditioner system or HVAC
Pipeline pressurization and supporting equipment
Industrial circulation system and booster system

Model Instruction

DH (m) - (S) 4 - 3

- Impeller stages
- Rated Flow(m³/h)
- Stainless Steel Wetted Parts(Omitted for Cast Iron Wetted Parts)
- Single Phase(Omitted for Three-phase)
- Horizontal Multistage Centrifugal Pump

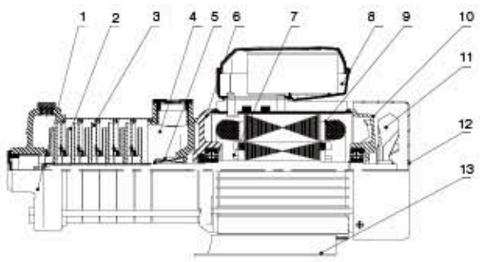
Pump

Max. ambient temperature: 40°C
Liquid temperature range: 0°C~70°C
High temperature resistant model: Max.105°C
Max.operating pressure: 10 bar
Max. Inlet pressure: 6 bar

Motor

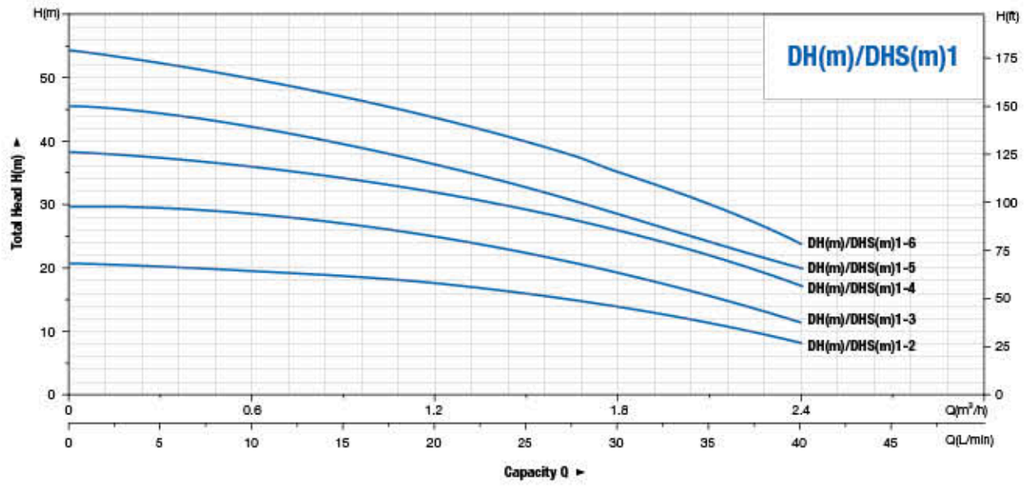
Protection class: IP55
Insulation class: F
Frequency range: 50/60Hz
Nominal speed: 2900/3500 rpm

Model Analysis



NO.	Component	Material	NO.	Component	Material
1	Pump body	Cast iron / AISI304	8	Terminal box	
2	Impeller	AISI304	9	Stator	
3	Diffuser	AISI304	10	Rear cover	YL113
4	Outlet body	Cast iron / AISI304	11	Fan	PP
5	Mechanical seal	SiC/Carbon	12	Fan cover	Q235
6	Front cover	YL113	13	Base	Q235
7	Rotor				

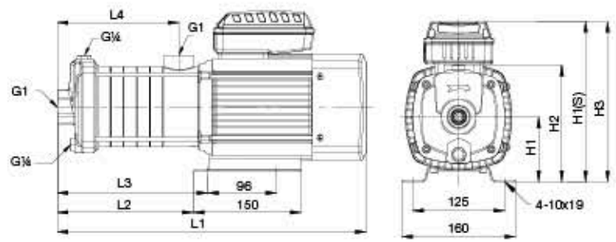
Performance Curves



Technical Table

Model	Power		Q(m³/h)	0.4	0.6	0.8	1	1.2	1.4	1.8	2	2.4
	kW	HP	Q(l/min)	7	10	13	17	20	23	30	33	40
DH(m)/DHS(m)1-2	0.37	0.5		19.5	19	18.5	18	17.5	17	14	12	8
DH(m)/DHS(m)1-3	0.37	0.5		29	28.5	26	25	24.5	23.5	19	16	11
DH(m)/DHS(m)1-4	0.37	0.5	H(m)	37	36	35	33	32	30	26	20	17
DH(m)/DHS(m)1-5	0.37	0.5		43	42	41	40	36	34	27	22	20
DH(m)/DHS(m)1-6	0.37	0.5		51	50	49	46	44	42	32	26	24

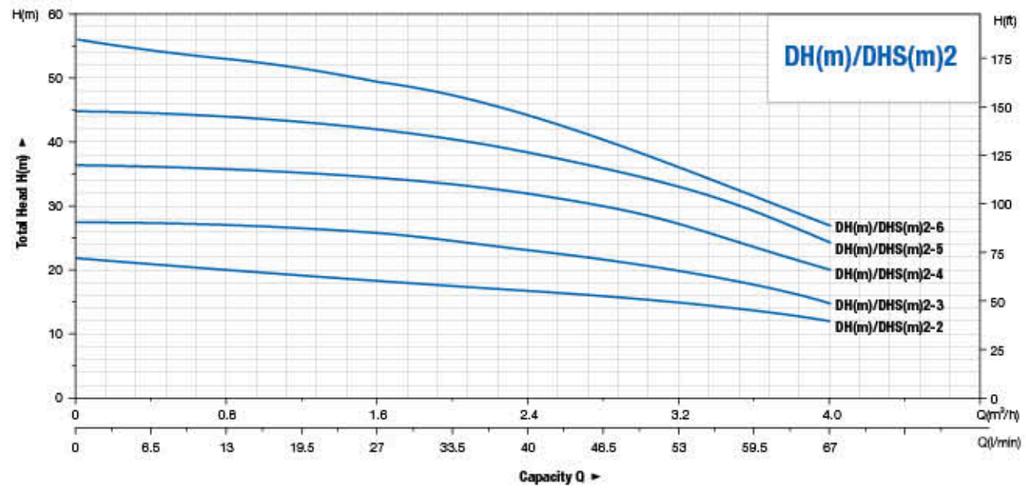
Installation Method And Size



H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	H1(S)	H3	H1	H2	L X W X H (mm)	G.W. (kg)
DH(m)/DHS(m)1-2	350	140	160	110	205	190	75	147	401×220×275	10.6/10
DH(m)/DHS(m)1-3	350	140	160	110	205	190	75	147	401×220×275	10.6/10.3
DH(m)/DHS(m)1-4	370	160	180	130	205	190	75	147	419×220×275	11/10.6
DH(m)/DHS(m)1-5	390	180	200	150	205	190	75	147	437×220×275	11.3/10.7
DH(m)/DHS(m)1-6	410	200	220	170	205	190	75	147	455×220×275	11.5/11

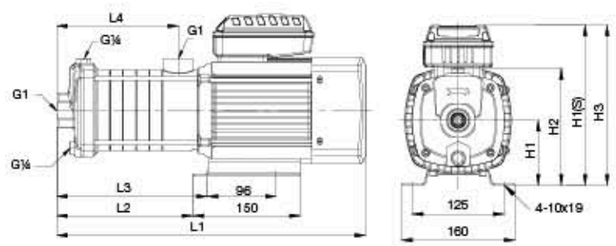
Performance Curves



Technical Table

Model	Power		Q(m³/h)	0.8	1.2	1.6	2	2.4	2.8	3.2	3.6	4
	kW	HP	Q(l/min)	13	20	27	33	40	47	53	60	67
DH(m)/DHS(m)2-2	0.37	0.5		19.5	19	18.5	18	17	16.5	14.5	13.5	12
DH(m)/DHS(m)2-3	0.37	0.5		27	26	25	24	23	22	20	17	15
DH(m)/DHS(m)2-4	0.55	0.75	H(m)	36	35	34	32	31	29	27	23	20
DH(m)/DHS(m)2-5	0.55	0.75		44	43	42	40	38	36	33	28.5	24
DH(m)/DHS(m)2-6	0.75	1		53	51.5	48	47	45	41	36	31.5	27

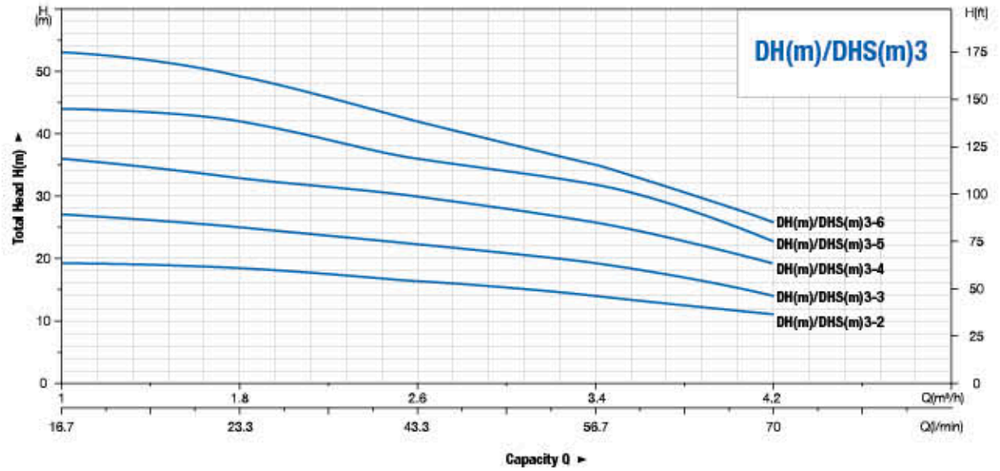
Installation Method And Size



H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	H1(S)	H3	H1	H2	L X W X H (mm)	G.W. (kg)
DH(m)/DHS(m)2-2	350	140	160	110	205	190	75	147	401×220×275	10.6/10.2
DH(m)/DHS(m)2-3	350	140	160	110	205	190	75	147	401×220×275	10.6/10.5
DH(m)/DHS(m)2-4	370	160	180	130	205	190	75	147	419×220×275	11.7/11.5
DH(m)/DHS(m)2-5	390	180	200	150	205	190	75	147	437×220×275	12.1/11.6
DH(m)/DHS(m)2-6	410	200	220	170	205	190	75	147	455×220×275	12.4/12.5

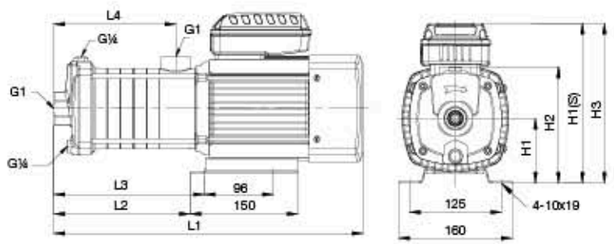
Performance Curves



Technical Table

Model	Power		Q(m³/h)	1	1.4	1.8	2.2	2.6	3	3.4	3.8	4.2
	kW	HP	Q(l/min)	16.7	23.3	30	36.7	43.3	50	56.7	63.3	70
DH(m)/DHS(m)3-2	0.37	0.5		19.5	19	18.5	18	16.5	16	14	13.5	11
DH(m)/DHS(m)3-3	0.37	0.5		27	26.5	25	24	22	21	19	17	14
DH(m)/DHS(m)3-4	0.55	0.75	H(m)	36	35	33	32	30	29	26	23	19
DH(m)/DHS(m)3-5	0.55	0.75		44	43	42	40	36	34	32	29	23
DH(m)/DHS(m)3-6	0.75	1		53	52	49	47	42	42	35	31	26

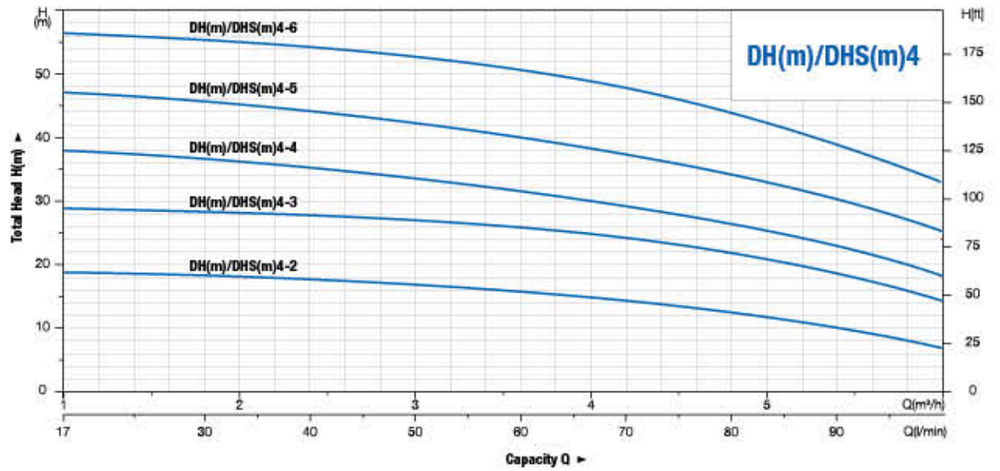
Installation Method And Size



H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	H1(S)	H3	H1	H2	L X W X H (mm)	G.W. (kg)
DH(m)/DHS(m)3-2	350	140	160	110	205	190	75	147	401×220×275	10.5/10.1
DH(m)/DHS(m)3-3	350	140	160	110	205	190	75	147	401×220×275	10.8/10.5
DH(m)/DHS(m)3-4	370	160	180	130	205	190	75	147	419×220×275	11.7/11
DH(m)/DHS(m)3-5	390	180	200	150	205	190	75	147	437×220×275	12.2/12
DH(m)/DHS(m)3-6	410	200	220	170	205	190	75	147	455×220×275	13.3/13.2

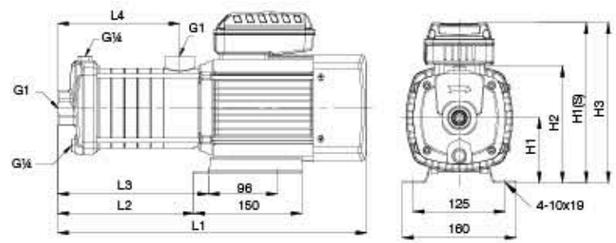
Performance Curves



Technical Table

Model	Power		Q(m³/h)	1	1.6	2.2	2.8	3.4	4	4.6	5.2	5.8	6
	kW	HP	Q(l/min)	17	27	37	47	57	67	77	87	97	100
DH(m)/DHS(m)4-2	0.55	0.75		18.5	18	17	16	15.5	15	13.5	12	8	7
DH(m)/DHS(m)4-3	0.55	0.75		29	28.5	28	26	25.5	25	23	21	16	14
DH(m)/DHS(m)4-4	0.75	1	H(m)	38	37	36	33	32	30	28	26	20	18
DH(m)/DHS(m)4-5	1	1.3		47	46	45	43	41	40	36	34	28	25
DH(m)/DHS(m)4-6	1.3	1.7		56.5	55	54	52	51	49	45	42	36	33

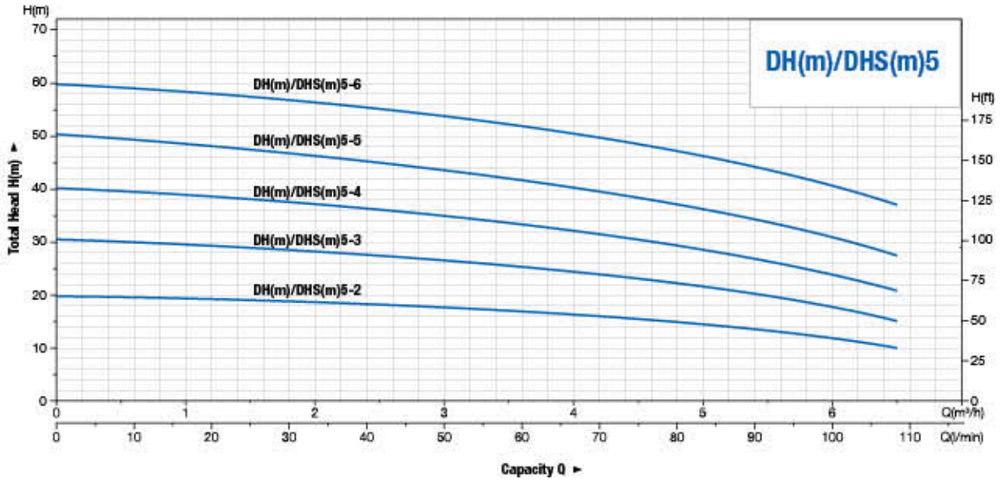
Installation Method And Size



H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	H1(S)	H3	H1	H2	L X W X H (mm)	G.W. (kg)
DH(m)/DHS(m)4-2	350	140	160	110	205	190	75	147	401×220×275	11.5/11
DH(m)/DHS(m)4-3	350	140	160	110	205	190	75	147	401×220×275	11.4/11.2
DH(m)/DHS(m)4-4	370	160	180	130	205	190	75	147	419×220×275	12.9/12.1
DH(m)/DHS(m)4-5	390	180	200	150	205	190	75	147	437×220×275	15.2/14.3
DH(m)/DHS(m)4-6	410	200	220	170	205	190	75	147	455×220×275	15.9/15.8

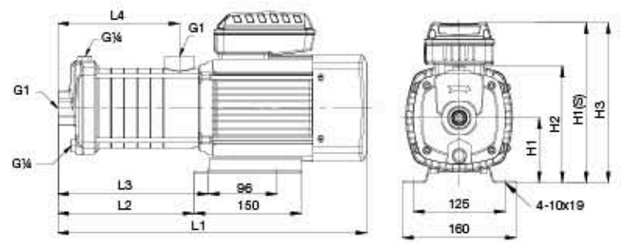
Performance Curves



Technical Table

Model	Power		Q(m³/h)	0.8	1.8	2.6	3.4	4.2	4.5	5	5.8	6.5
	kW	HP	Q(l/min)	13	30	43	57	70	75	83	97	108
DH(m)/DHS(m)5-2	0.55	0.75		19	17	16	15.5	14	13.5	13	11	7
DH(m)/DHS(m)5-3	0.55	0.75		30	28	27	25.5	24.5	23	22	20	14
DH(m)/DHS(m)5-4	0.75	1	H(m)	40	36	34	32	29	28	27	24	19
DH(m)/DHS(m)5-5	1	1.3		49	45	43.5	41	39	36	35	32	24
DH(m)/DHS(m)5-6	1.3	1.7		57	54	52	51	48	45	44	41	31

Installation Method And Size

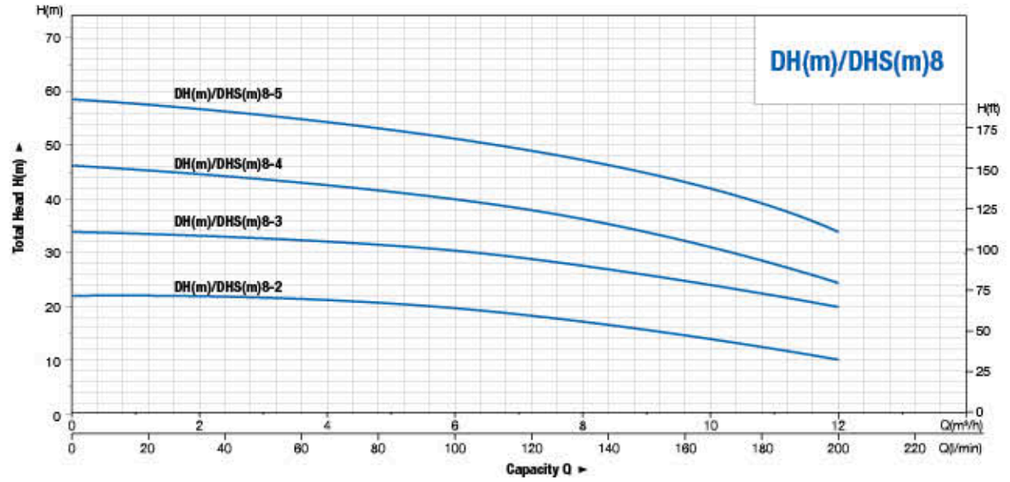


H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	H1(S)	H3	H1	H2
DH(m)/DHS(m)5-2	350	140	160	110	205	190	75	147
DH(m)/DHS(m)5-3	350	140	160	110	205	190	75	147
DH(m)/DHS(m)5-4	370	160	180	130	205	190	75	147
DH(m)/DHS(m)5-5	390	170	190	150	220	210	90	165
DH(m)/DHS(m)5-6	410	190	210	170	220	210	90	165

Model	L X W X H (mm)	G.W. (kg)
DH(m)5-2	401×220×275	11.5
DHS5-2	401×220×275	10.9
DHSm5-2	401×220×275	11
DH(m)5-3	401×220×275	11.4
DHS(m)5-3	401×220×275	11.2
DH(m)5-4	419×220×275	12.9
DHS5-4	419×220×275	11.9
DHSm5-4	419×220×275	12.1
DH5-5	455×220×275	15.2
DHm5-5	455×220×275	14.3
DHS(m)5-5	455×220×275	14.3
DH5-6	470×220×275	15.5
DHm5-6	470×220×275	15.9
DHS5-6	470×220×275	15
DHSm5-6	470×220×275	15.8

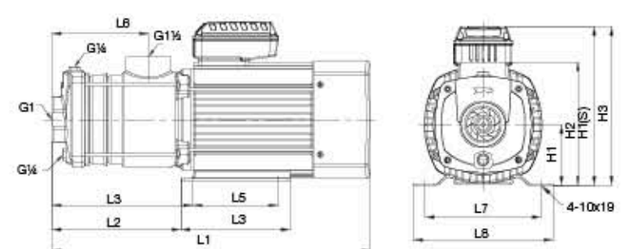
Performance Curves



Technical Table

Model	Power		Q(m³/h)	0	2	4	6	8	10	12
	kW	HP	Q(l/min)	0	33	67	100	133	167	200
DH(m)/DHS(m)8-2	0.75	1		21	20.5	20	19.5	18	16	13
DH(m)/DHS(m)8-3	1	1.5		32	31	30	29.5	27	24	19
DH(m)/DHS(m)8-4	1.5	2	H(m)	43	42	40.5	39.5	36	32	26
DH(m)/DHS(m)8-5	2.2	3		54	53	51	50	45	40	32

Installation Method And Size

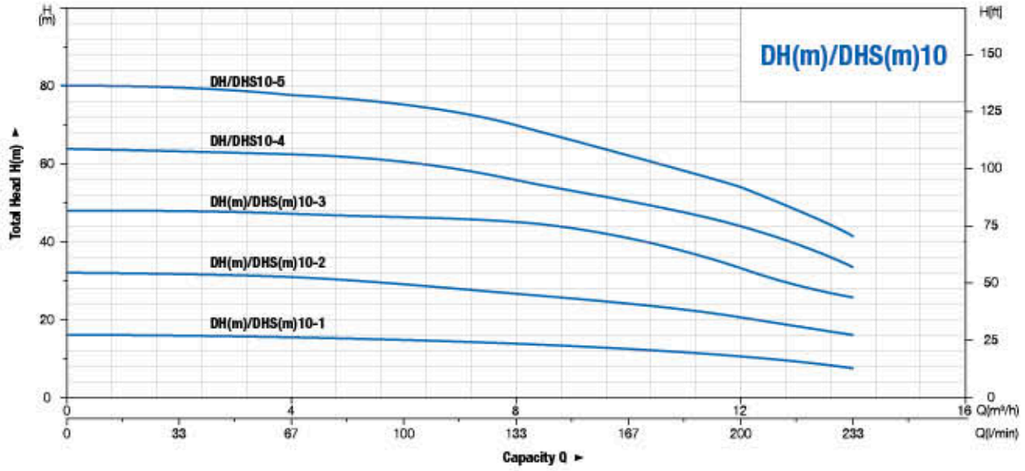


H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	L5	L6	L7	L8	H1(S)	H3	H1	H2
DH(m)/DHS(m)8-2	400	175	150	195	96	125	125	160	220	210	90	165
DH(m)/DHS(m)8-3	430	205	150	225	96	155	125	160	220	210	90	165
DH(m)/DHS(m)8-4	515	235	180	255	140	185	165	200	235	225	90	180
DH(m)/DHS(m)8-5	545	265	180	285	140	215	165	200	235	225	90	180

Model	L X W X H (mm)	G.W. (kg)
DH(m)8-1	445×280×310	14.8
DHS(m)8-1	445×280×310	14.9
DH8-2	445×280×310	18.5
DHm8-2	445×280×310	19.4
DHS(m)8-2	445×280×310	17.2
DH8-3	515×280×310	25.4
DHm8-3	515×280×310	25.1
DHS8-3	515×280×310	23.4
DHSm8-3	515×280×310	23.7
DH(m)8-4	575×280×310	30.1
DHS(m)8-4	575×280×310	28.8
DH(m)8-5	605×280×310	30.5
DHS(m)8-5	605×280×310	30

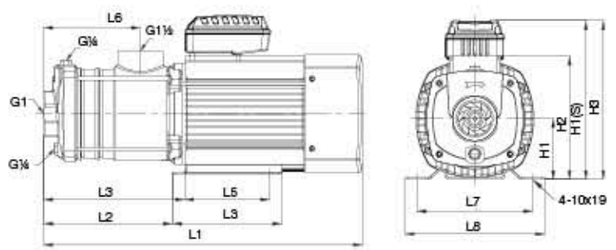
Performance Curves



Technical Table

Model	Power		Q(m³/h)	0	2	4	6	8	10	12	14
	kW	HP	Q(l/min)	0	33	67	100	133	167	200	233
DH(m)/DHS(m)10-1	0.75	1		16	15.5	15	14.5	13.5	12	10.5	7.5
DH(m)/DHS(m)10-2	1.3	1.7		32	31.5	31	29.5	27	25	21	16
DH(m)/DHS(m)10-3	2.2	3	H(m)	48	47.5	47	45.5	43	38	33	26
DH/DHS10-4	3	4		64	63	62	60	56	51	44	33
DH/DHS10-5	3	4		80	79	78	74	70	64	54	41

Installation Method And Size

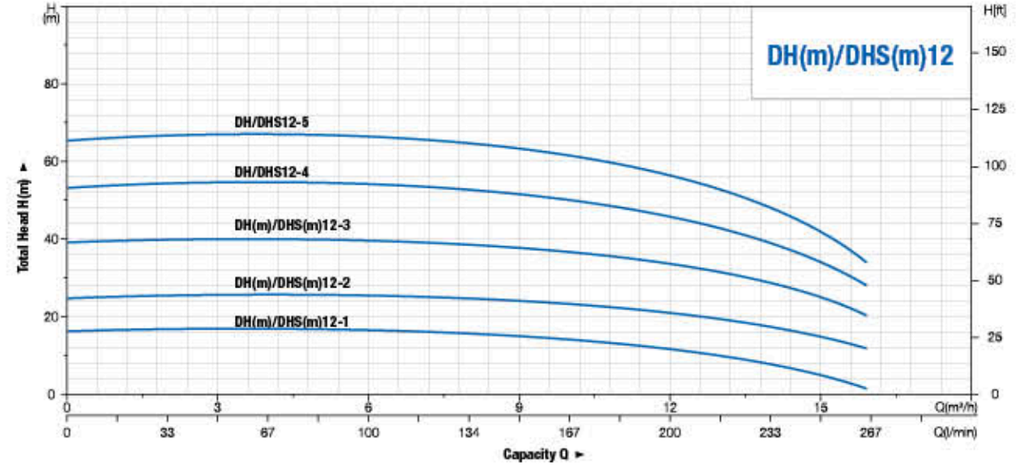


H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	L5	L6	L7	L8	H1(S)	H3	H1	H2
DH(m)/DHS(m)10-1	400	175	150	195	96	125	125	160	220	210	90	165
DH(m)/DHS(m)10-2	400	175	150	195	96	125	125	160	220	210	90	165
DH(m)/DHS(m)10-3	485	205	180	225	140	155	165	200	235	225	90	180
DH/DHS10-4	550	240	180	260	140	185	190	230	-	255	100	200
DH/DHS10-5	580	270	180	290	140	215	190	230	-	255	100	200

Model	L X W X H (mm)	G.W. (kg)
DH(m)10-1	445×280×310	14.8
DHS(m)10-1	445×280×310	14.9
DH10-2	445×280×310	18.5
DHm10-2	445×280×310	19.4
DHS(m)10-2	445×280×310	17.2
DH10-3	515×280×310	25.4
DHm10-3	515×280×310	25.1
DHS10-3	515×280×310	23.4
DHSm10-3	515×280×310	23.7
DH10-4	575×280×310	30.1
DHS10-4	575×280×310	28.8
DH10-5	605×280×310	30.5
DHS10-5	605×280×310	30

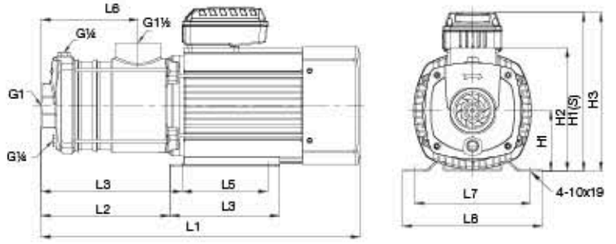
Performance Curves



Technical Table

Model	Power		Q(m³/h)	0	4	8	10	12	14	16
	kW	HP	Q(l/min)	0	67	133	167	200	233	266
DH(m)/DHS(m)12-1	0.75	1		13.5	13.2	13	12.5	12	10	7.5
DH(m)/DHS(m)12-2	1.3	1.7		27	26.5	26	25.5	24	20	15
DH(m)/DHS(m)12-3	2.2	3	H(m)	40	39.5	39	38	36	30	22
DH/DHS12-4	3	4		54	53	52	50	47	39	29
DH/DHS12-5	3	4		67	66.5	65	63	58	49	36

Installation Method And Size

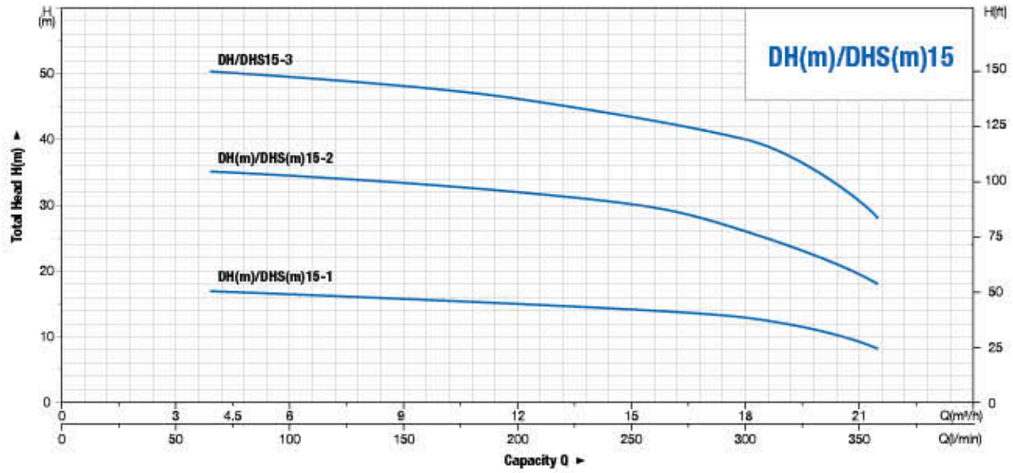


H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	L5	L6	L7	L8	H1(S)	H3	H1	H2
DH(m)/DHS(m)12-1	400	175	150	195	96	125	125	160	220	210	90	165
DH(m)/DHS(m)12-2	400	175	150	195	96	125	125	160	220	210	90	165
DH(m)/DHS(m)12-3	485	205	180	225	140	155	165	200	235	225	90	180
DH/DHS12-4	550	240	180	260	140	185	190	230	-	255	100	200
DH/DHS12-5	580	270	180	290	140	215	190	230	-	255	100	200

Model	L X W X H (mm)	G.W. (kg)
DH(m)12-1	445×280×310	14.8
DHS(m)12-1	445×280×310	14.9
DH12-2	445×280×310	18.5
DHm12-2	445×280×310	19.4
DHS(m)12-2	445×280×310	17.2
DH12-3	515×280×310	25.4
DHm12-3	515×280×310	25.1
DHS12-3	515×280×310	23.4
DHSm12-3	515×280×310	23.7
DH12-4	575×280×310	30.1
DHS12-4	575×280×310	28.8
DH12-5	605×280×310	30.5
DHS12-5	605×280×310	30

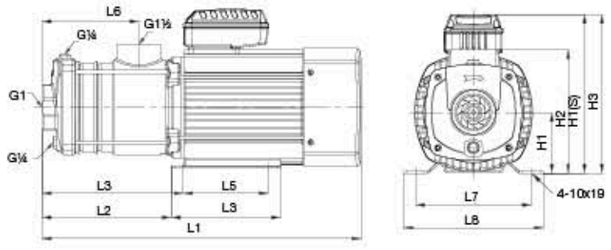
Performance Curves



Technical Table

Model	Power		Q(m³/h)	4	6	8	10	12	15	18	20	22
	kW	HP	Q(l/min)	67	100	133	167	200	250	300	333	367
DH(m)/DHS(m)15-1	1.3	1.7	H(m)	17	16.8	16.5	16	15.5	15	13	10	8
DH(m)/DHS(m)15-2	2.2	3		35	34.5	34	33.5	32	30	26	22	18
DH/DHS15-3	4	5.5		50	49	48	47.5	46	45	40	34	28

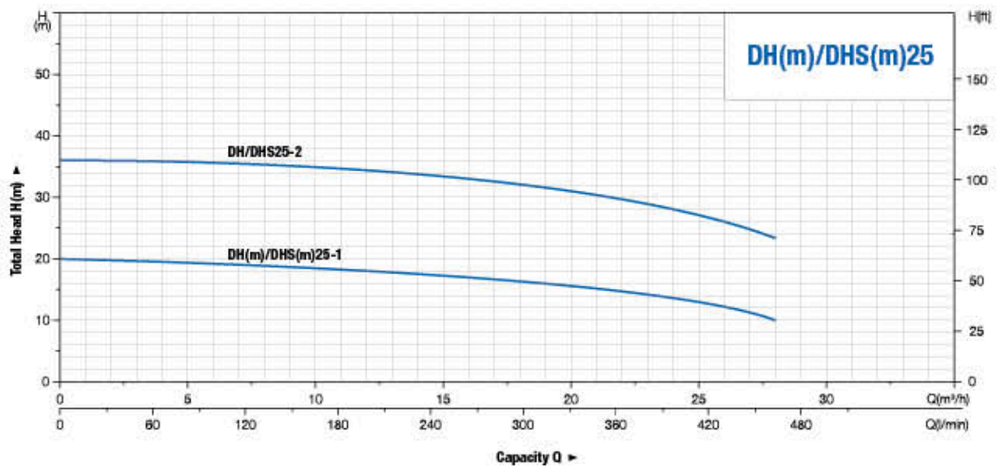
Installation Method And Size



H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	L5	L6	L7	L8	H1(S)	H3	H1	H2	L X W X H (mm)	G.W. (kg)
DH(m)15-1	410	175	150	195	96	130	125	160	220	210	90	200	445×280×310	19 /19.9
DHS(m)15-1	410	175	150	195	96	130	125	160	220	210	90	200	445×280×310	19 /19.9
DH(m)15-2	460	175	180	195	140	130	165	200	235	225	90	180	445×280×310	24.3 / 24.8
DHS(m)15-2	460	175	180	195	140	130	165	200	235	225	90	180	445×280×310	22.8 / 23
DH/DHS15-3	525	210	180	235	140	160	190	230	-	255	100	200	545×280×310	32.4 / 30.8

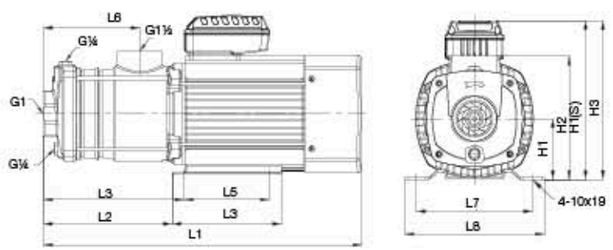
Performance Curves



Technical Table

Model	Power		Q(m³/h)	8	10	12	16	20	22	24	26	28
	kW	HP	Q(l/min)	133	167	200	267	333	367	400	433	467
DH(m)/DHS(m)25-1	2.2	3	H(m)	17.5	17	16.5	16	15	14.5	14	12	10
DH/DHS25-2	4	5.5		34	33.5	33	32	31	30	28	25	22

Installation Method And Size



H1(S): Single-phase Machine height H3: Three-phase Machine height

Model	L1	L2	L3	L4	L5	L6	L7	L8	H1(S)	H3	H1	H2	L X W X H (mm)	G.W. (kg)
DH(m)25-1	460	175	180	195	140	130	160	200	235	225	90	180	485×280×310	24.4 / 24.6
DHS(m)25-1	460	175	180	195	140	130	160	200	235	225	90	180	485×280×310	22.6 / 22.8
DH/DHS25-2	500	180	180	205	140	130	190	230	-	255	100	200	515×280×310	30.2

DV/DVS

Stainless Steel Multistage Centrifugal Pump



CMI Use

Private House

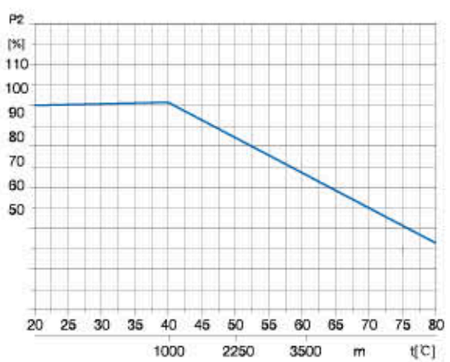
Industrial Use

Application

High-rise building water supply
Factory water filtration and transportation
Pipeline pressurization and equipment supporting system
Washing and cleaning system
Boiler feed water and cooling water circulation
HVAC system and ultra-filtration system
Food &beverage factory and fire protection system

Operating Environment

The highest operating temperature of the pumps is +40°C If the pumps are used at a temperature above +40°C, or their motors are installed at an altitude higher than 1000m, the output power of the motors will drop. See the figure below. In this circumstance, motors with larger output power are needed.



Features

Low viscosity, non-flammable, non-explosive, Easily vaporized liquid containing neither solid particles nor fibers , the liquid must not have chemical reaction on the pump material, when the density and viscosity of the conveying liquid is greater than water, need to use high-power motor.

Liquid temperature: -15°C ~ 120°C
Flow range: 0.4 ~ 240m³/h
Liquid pH value: 3~9
Maximum ambient temperature: +40°C
Peak working pressure (PWP): 33bar
Highest altitude: 1000m
Fully enclosed standard air-cooled two-stage standard motor
Protection class: IP55
Insulation class: F

Model Instruction

DV(S) 32 - 10 - 3 - ■ N - ■

- Omitted for DIN flange, O for Oval flange, C for Clamp coupling, R for Thread connector
- SUS316(Omitted for SUS304)
- Small impeller size code"A" "B" only for DV/DVS200
- Small impeller stage
- Impeller stages
- Rated flow(m³/h)
- Stainless Steel Vertical Multistage Pump

As shown above, When the pump is installed above 3500 meters above sea level, P2 is expected to drop to around 88%: when the ambient temperature reaches 70°C, P2 will drop to about 78%.
DVS: The flow passing components are all stainless steel material.
DV: Pump casing,pump cover are Cast iron.

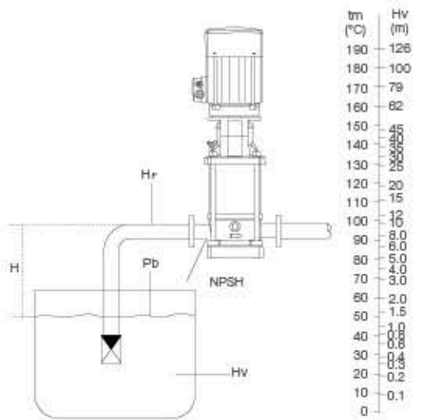
Minimum Inlet Pressure-Npsh

Calculation of the inlet pressure "H" is recommended in these Situations:
The liquid temperature is high
The flow is significantly higher than the rated flow.
Water is drawn from depths
Water is drawn through long pipes
Inlet conditions are poor

To avoid cavitation, make sure that there is a minimum pressure on the suction side of the pump. The maximum suction lift "H" in meters head can be calculated as follows:

H	=Pb*10.2-NPSH-Hf-Hv-Hs
P_b	=Barometric pressure in bar. (Barometric pressure can be set to 1 bar). In closed systems, P_b indicates the system pressure in bar
NPSH	=Net Positive Suction Head in meters head. (To be read from the NPSH curve at the highest flow the pump will be delivering.)
H_f	=Friction loss in suction pipe in meters head. (At the highest flow the pump will be delivering.)
H_v	=Vapor pressure in meters head. (To be read from the vapor pressure scale. "Hv" depends on the liquid temperature "tm"
H_s	=Safety margin=minimum 0.5 meters head.

If the "H" calculated is positive, the pump can operate at a suction lift of maximum "H"meters head.
If the "H" calculated is negative, an inlte pressure of minimum"H"meters head is required.



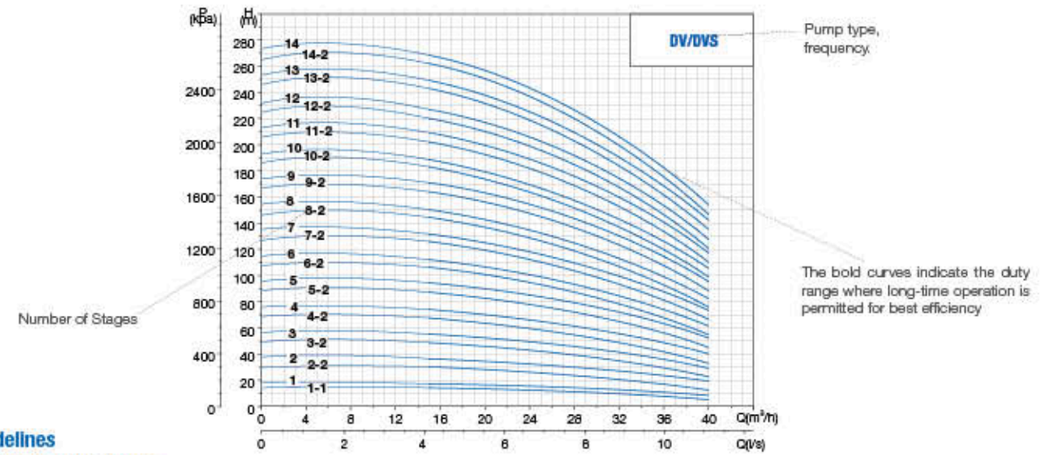
Note: To avoid cavitation, never select a pump with a duty point too far to the right on the NPSH curve. Always check the NPSH value of the pump at the highest possible flow.

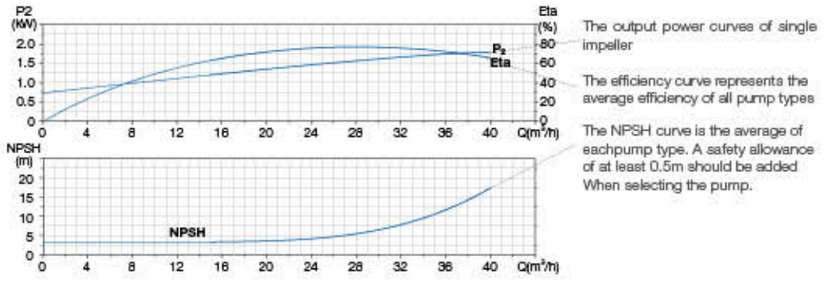
Maximum Inlet Pressure

The Following table shows the maximum permissible inlet pressure. However, the current inlet pressure + the presure against a closed valve must always be lower than the Max. permissible operating pressure. If the maximum permissible operating pressure is exceeded,the bearing in the motor may be damaged and the life of the shaft seal reduced.

Model	Max.Working Pressure
Maximum working pressure Flange / Clamp coupling / Thread connector	25
DV/DVS1,3,5 OVAL FLANGE	16
DV/DVS32	
DV32-1-1 → 32-8	16
DV32-9-2 → 32-16	30
DVS32	30
DV/DVS45	
DV45-1-1 → 45-5	16
DV45-6-2 → 45-9	25
DV45-10-2 → 45-11	30
DV45-12-2 → 45-13-2	33
DV45	
DVS45-1-1 → 45-10-2	25
DVS45-10 → 45-13-2	33
DV/DVS64	
DV64-1-1 → 64-5-2	16
DV64-5-1 → 64-8-1	25
DVS64	25
DV/DVS90	
DV90-1-1 → 90-4-2	16
DV90-4 → 90-6	25
DVS90	25
DV/DVS120/150/200	20

Technical Table n=3000 r/min



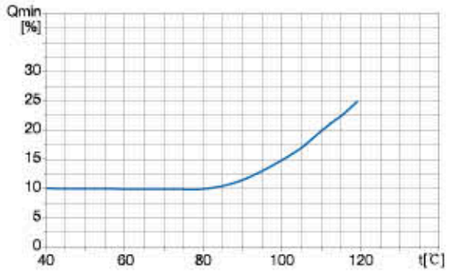


Guidelines To Performance Curves

Tolerances to ISO 9006, Annex A.Measurements have been made with airless water at a temperature of 20°C and kinematic viscosity of 1mm²/s.
To avoid overheating of the motor, the pump should not be use against a high head for a long time.

Minimum Flow Rate

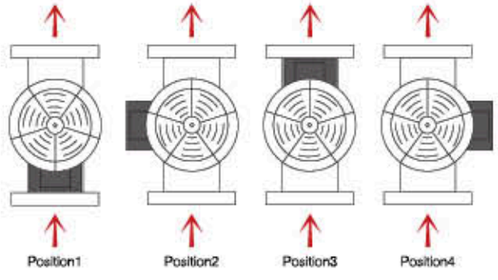
Due to the risk of overheating, the pump should not be used at a flow below the minimum flow rate.
The curve below Shows the minimum flow rate as a percentage of the nominal flow rate in relation to the liquid temperature.



Note: The outlet valve must be opened when the pump is in operation.

Terminal Box Positions

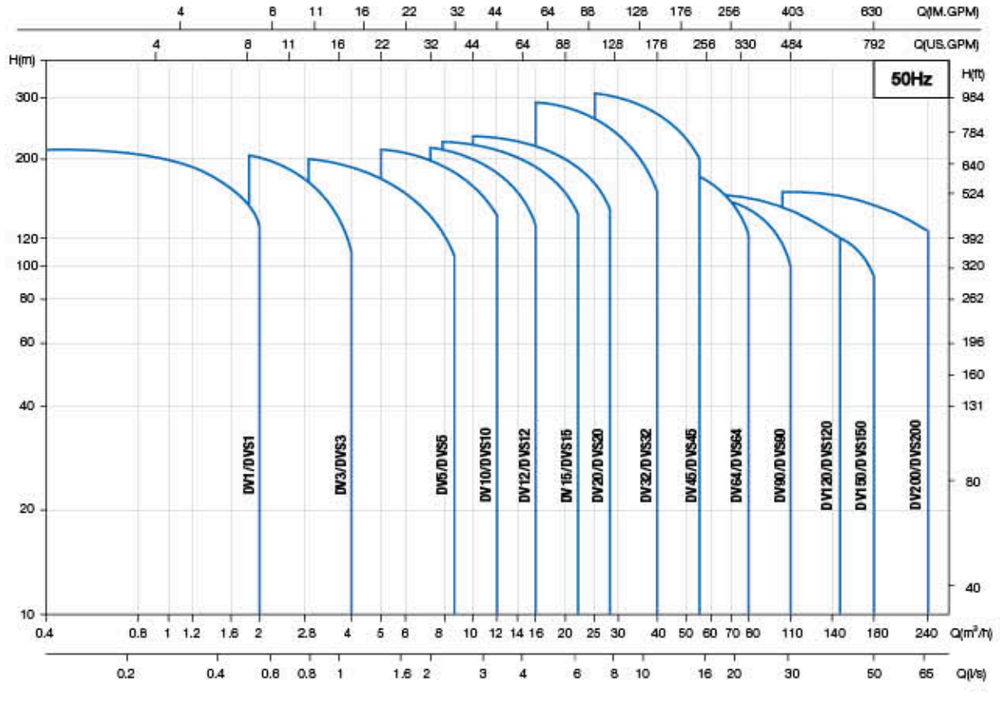
(Note: set to position 1 before delivery)



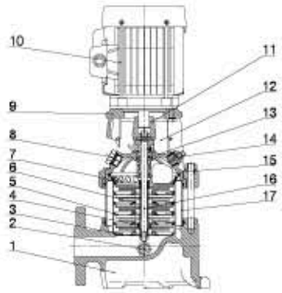
Technical Table n=3000 r/min

Model	DV1 DVS1	DV3 DVS3	DV5 DVS5	DV10 DVS10	DV15 DVS15	DV20 DVS20	DV32 DVS32	DV45 DVS45	DV64 DVS64	DV90 DVS90	DV120 DVS120	DV150 DVS150	DV200 DVS200
Rated flow(m³/h)	1	3	5	10	15	20	32	45	64	90	120	150	200
Flow range(m³/h)	0.4-2.0	1.2-4.4	2.3-8.4	5-14	8-23.5	10-29	14-39	23-60	30-86	46-121	60-150	80-180	100-240
Max.pressure[bar]	22	24	24	24	23	25	28	33	22	20	20	20	20
Motor power[kW]	0.37-2.2	0.37-3	0.37-4	0.75-11	1.1-15	1.1-18.5	1.5-30	3-45	4-45	5.5-45	11-75	11-75	18.5-110
Temperature Range[°C]	-20°C~+120°C Note: (Both the Max. permissible pressure and liquid temperature range refer to the pump capacity.)												
Max.pump efficiency[%]	45	55	60	72	70	72	74	78	76	77	74	73	79
Pipe connection-DV													
Oval flange	G1	G1	G1 ¼	-	-	-	-	-	-	-	-	-	-
DIN flange	DN25	DN25	DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Pipe connection-DVS													
DIN flange	DN25	DN25	DN32	DN40	DN50	DN50	DN65	DN80	DN100	DN100	DN125	DN125	DN150
Clamp connector	Φ42	Φ42	Φ42	-	-	-	-	-	-	-	-	-	-
Threaded connector	G1 ¼	G1 ¼	G1 ¼	-	-	-	-	-	-	-	-	-	-

Scope Of Performance

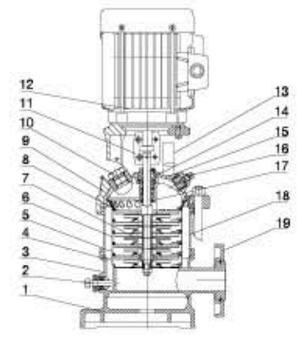


Cross Section



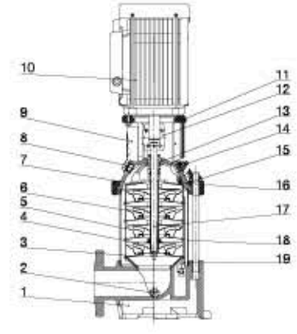
DV1(3.5)

No	Part	Material
1	Base	HT200
2	Discharge bolt assembly	SUS304
3	Primary diffuser	SUS304
4	Diffuser with bearing	SUS304
5	Medium diffuser	SUS304
6	Impeller	SUS304
7	Final volute	SUS304
8	Filling plug	SUS304
9	Motor base	HT200
10	Motor	
11	Half-coupling	Iron-basedpowder metallurgy
12	Guarding plate	SUS304
13	Cartridge seals	
14	Vent plug assembly	SUS304
15	Pump bonnet	HT200
16	Pump shaft	SUS304
17	Pump barrel	SUS304



DVS1(3.5)

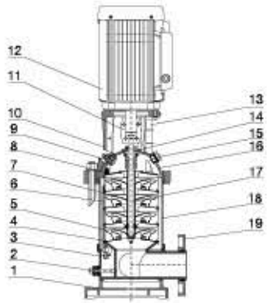
No	Part	Material	Optional Material
1	Base plate	HT200	
2	Discharge plug assembly	AISI304	AISI316
3	Chasis	ZG304	ZG316
4	Primary diffuser	AISI304	AISI316
5	Diffuser with bearing	AISI304	AISI316
6	Medium diffuser	AISI304	AISI316
7	Impeller	AISI304	AISI316
8	Final volute	AISI304	AISI316
9	Motor base	HT200	
10	Filling plug	AISI304	AISI316
11	Coupling	Iron based powder metallurgy	
12	Motor		
13	Guarding plate	AISI304	
14	Cartridge seal		
15	Pump cover	ZG304	ZG316
16	Vent plug assembly	AISI304	AISI316
17	Pump shaft	AISI316	
18	Pump barrel	AISI304	AISI316
19	Flange	ZG35	



DV10(15.20)

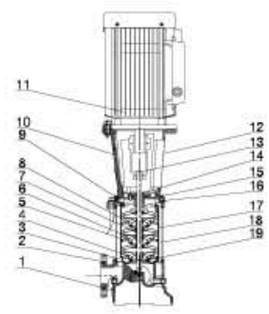
No	Part	Material	Optional Material
1	Base plate	HT200	
2	Drainage plug assembly	SUS304	SUS316
3	Primary diffuser	SUS304	SUS316
4	Diffuser with bearing	SUS304	SUS316
5	Medium diffuser	SUS304	SUS316
6	Impeller	SUS304	SUS316
7	Final volute	SUS304	SUS316
8	Filling plug	SUS304	SUS316
9	Guarding plate	SUS304	
10	Motor		
11	Motor base	HT200	
12	Half-coupling	Iron-based powder metallurgy	
13	Cartridge seal		
14	Vent plug assembly	SUS304	SUS316
15	Pump cover	HT200	
16	Adjusting pad	EPDM	
17	Pump shaft	SUS304	SUS316
18	Pump barrel	SUS304	SUS316
19	Tension plate	SUS304	

Cross Section



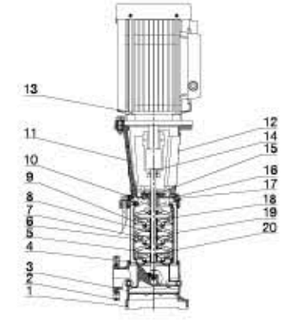
DVS10(15.20)

No	Part	Material	Optional Material
1	Base plate	HT200	
2	Discharge plug assembly	AISI304	AISI316
3	Chasis	ZG304	ZG316
4	Primary diffuser	AISI304	AISI316
5	Diffuser with bearing	AISI304	AISI316
6	Medium diffuser	AISI304	AISI316
7	Impeller	AISI304	AISI316
8	Final volute	AISI304	AISI316
9	Motor base	HT200	
10	Filling plug	AISI304	AISI316
11	Coupling	Iron based powder metallurgy	
12	Motor		
13	Guarding plate	AISI304	
14	Cartridge seal		
15	Pump cover	ZG304	ZG316
16	Vent plug assembly	AISI304	AISI316
17	Pump shaft	AISI316	
18	Pump barrel	AISI304	AISI316
19	Flange	ZG35	



DV32(45.64.90.120.150.190)

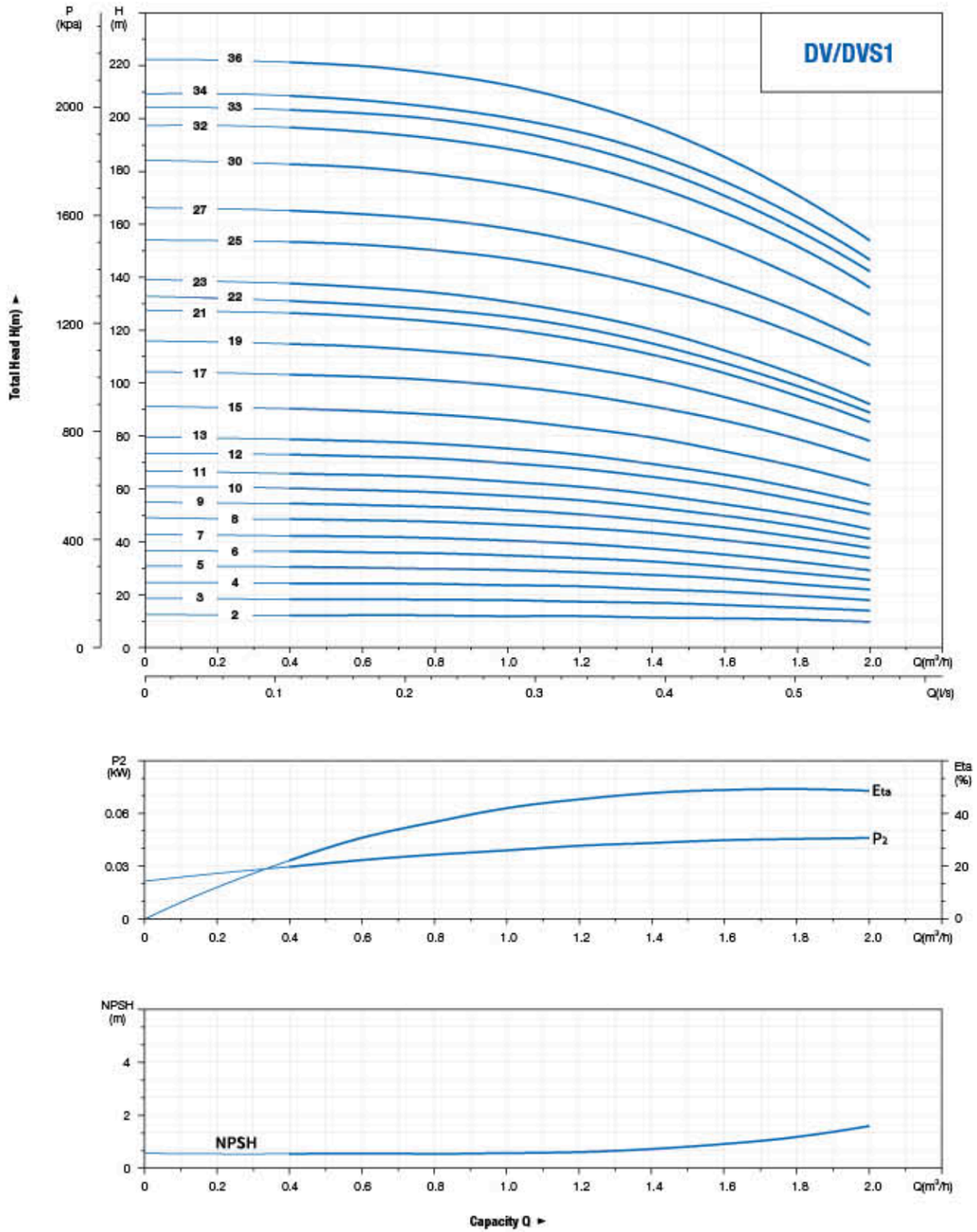
No	Part	Material
1	Base plate	HT200
2	Flange	QT 400
3	Primary diffuser	SUS304
4	Diffuser with bearing	SUS304
5	Medium diffuser	SUS304
6	Impeller	SUS304
7	Shaft sleeve assembly	
8	Final volute	SUS304
9	Vent plug assembly	SUS304
10	Motor base	HT200
11	Motor	
12	Guarding plate	SUS304
13	Half-coupling	QT400
14	Cartridge seal	
15	Pump head	ZG304
16	Filling plug	SUS304
17	Tension plate	SUS304
18	Pump barrel	SUS304
19	Pump shaft	SUS304



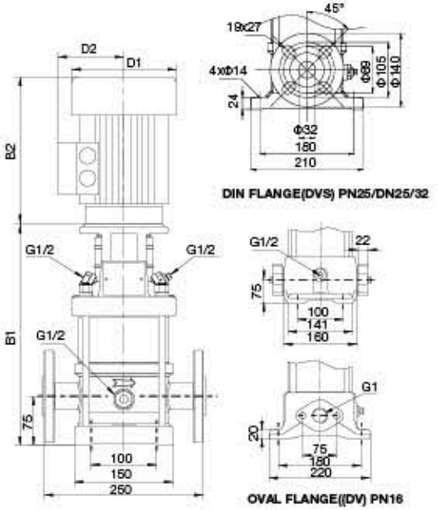
DVS32(45.64.90.120.150.190)

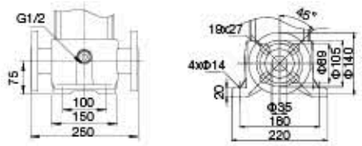
No	Part	Material	Optional Material
1	Base plate	HT200	
2	Flange	QT 400	
3	Pump casing	ZG304	ZG316
4	Primary diffuser	SUS304	SUS316
5	Diffuser with bearing	SUS304	SUS316
6	Medium diffuser	SUS304	SUS316
7	Impeller	SUS304	SUS316
8	Shaft sleeve assembly		
9	Final volute	SUS304	SUS316
10	Vent plug assembly	SUS304	SUS316
11	Motor base	HT200	
12	Motor		
13	Guarding plate	SUS304	
14	Half-coupling	QT400	
15	Cartridge seal		
16	Pump head	ZG304	ZG316
17	Filling plug	SUS304	SUS316
18	Tension plate	SUS304	SUS316
19	Pump barrel	SUS304	SUS316
20	Pump shaft	SUS304	SUS316

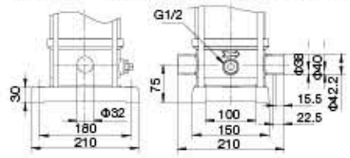
Performance Curves



Installation Size And Package Information





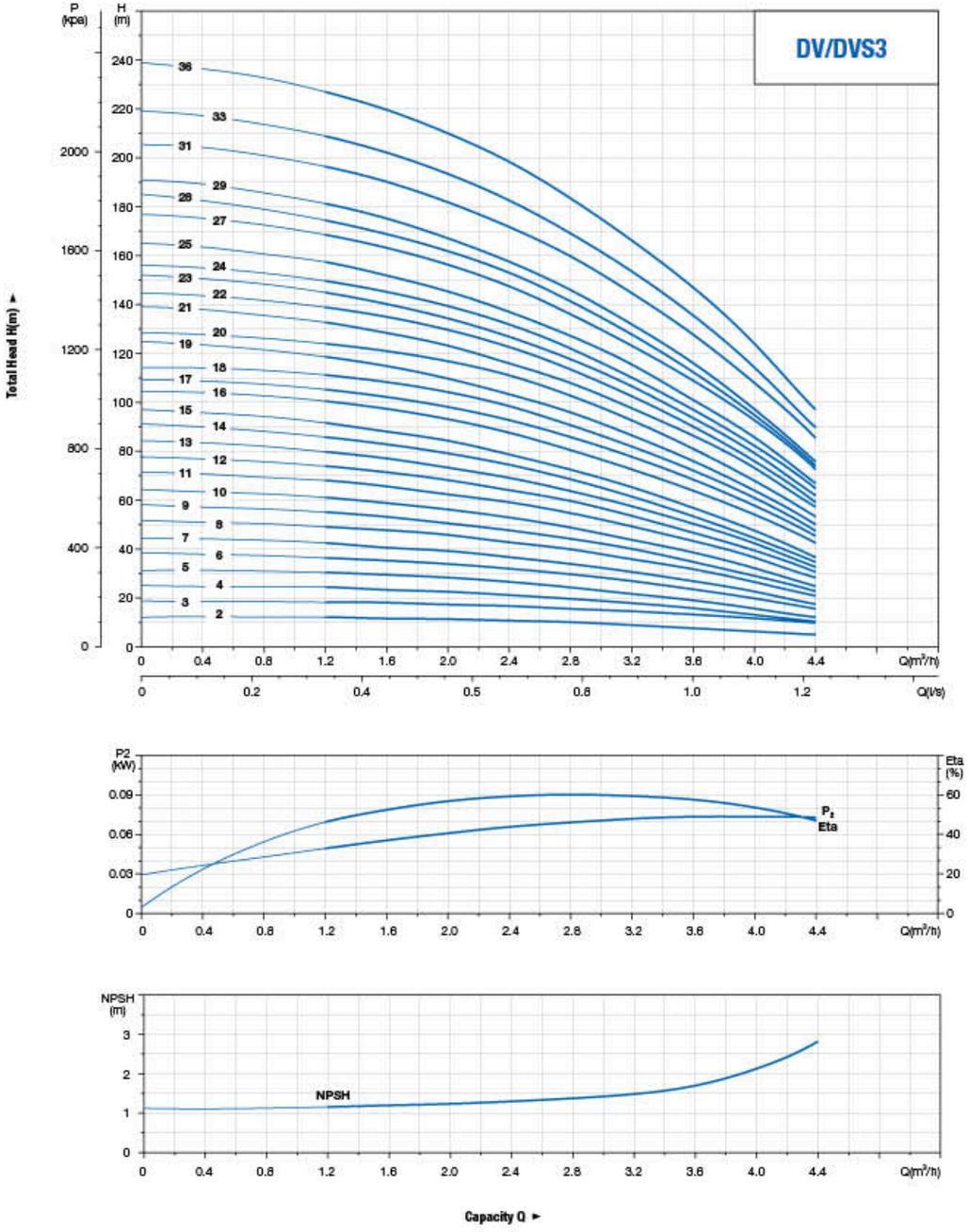


Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS1-2	282	541	140	119
DV/DVS1-3	282	541	140	119
DV/DVS1-4	300	559	140	119
DV/DVS1-5	318	577	140	119
DV/DVS1-6	336	595	140	119
DV/DVS1-7	354	613	140	119
DV/DVS1-8	372	631	140	119
DV/DVS1-9	390	649	140	119
DV/DVS1-10	408	667	140	119
DV/DVS1-11	426	685	140	119
DV/DVS1-12	448	734	156	123
DV/DVS1-13	466	752	156	123
DV/DVS1-15	502	788	156	123
DV/DVS1-17	538	824	156	123
DV/DVS1-19	574	860	156	123
DV/DVS1-21	610	896	156	123
DV/DVS1-22	628	914	156	123
DV/DVS1-23	646	962	168	132
DV/DVS1-25	698	1014	168	132
DV/DVS1-27	734	1050	168	132
DV/DVS1-30	788	1104	168	132
DV/DVS1-32	824	1165	168	132
DV/DVS1-33	842	1183	168	132
DV/DVS1-34	860	1201	168	132
DV/DVS1-36	896	1237	168	132

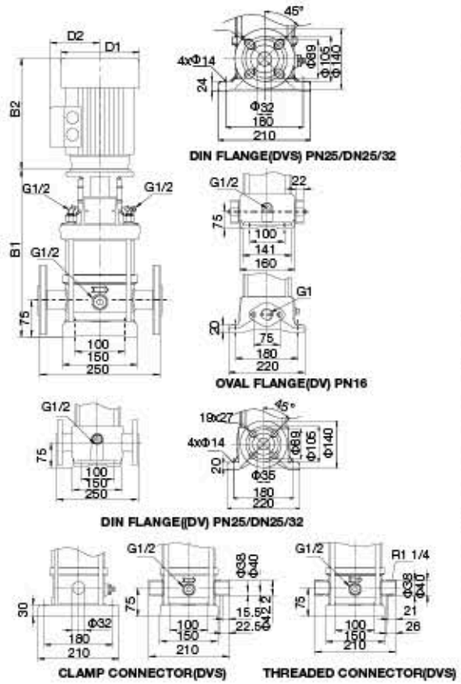
Note: There is no oval flange connection for DV/DVS1-25 to 1-36.

Model	Power (kW)	Q(m³/h)	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2
DV/DVS1-2	0.37	H(m)	12	11.7	11.4	11.2	11	10.8	10.5	10.3	9.7
DV/DVS1-3	0.37		18	17.6	17.2	16.8	16	15.5	15	14.5	14
DV/DVS1-4	0.37		24	23.5	23	22.5	22	21.5	21	19	18
DV/DVS1-5	0.37		30	29.5	29	28.5	28	27	26	24	22
DV/DVS1-6	0.37		36	35.5	35	34.5	34	32	30	28	25
DV/DVS1-7	0.37		42	41.5	41	40.5	39	37	35	32	30
DV/DVS1-8	0.55		48	47.5	47	46.5	45	43	40	38	34
DV/DVS1-9	0.55		54	53.5	53	52	50	48	45	42	37
DV/DVS1-10	0.55		60	59	58	57.5	55	53	50	46	41
DV/DVS1-11	0.55		65	64.5	64	63	61	58	54	51	45
DV/DVS1-12	0.75		73	72	71	70	67	64	61	56	50
DV/DVS1-13	0.75		78	77.5	77	75	73	69	65	60	54
DV/DVS1-15	0.75		90	89.5	88	86	83	79	74	68	61
DV/DVS1-17	1.1		103	102	101	98	95	91	85	78	70
DV/DVS1-19	1.1		115	114	112	110	106	101	94	87	78
DV/DVS1-21	1.1		126	125	123	120	116	110	103	95	85
DV/DVS1-22	1.1		131	130	128	124	121	115	107	99	88
DV/DVS1-23	1.5		137	136	134	130	126	120	112	103	92
DV/DVS1-25	1.5		153	152	150	145	142	136	128	119	106
DV/DVS1-27	1.5		165	164	162	157	153	146	137	128	114
DV/DVS1-30	1.5		182	181	178	173	169	162	152	140	126
DV/DVS1-32	2.2		197	196	193	188	183	176	165	153	138
DV/DVS1-33	2.2		203	202	199	194	189	181	170	158	142
DV/DVS1-34	2.2		209	208	205	198	195	186	175	161	145
DV/DVS1-36	2.2		221	220	217	210	206	197	185	170	154

Performance Curves



Installation Size And Package Information

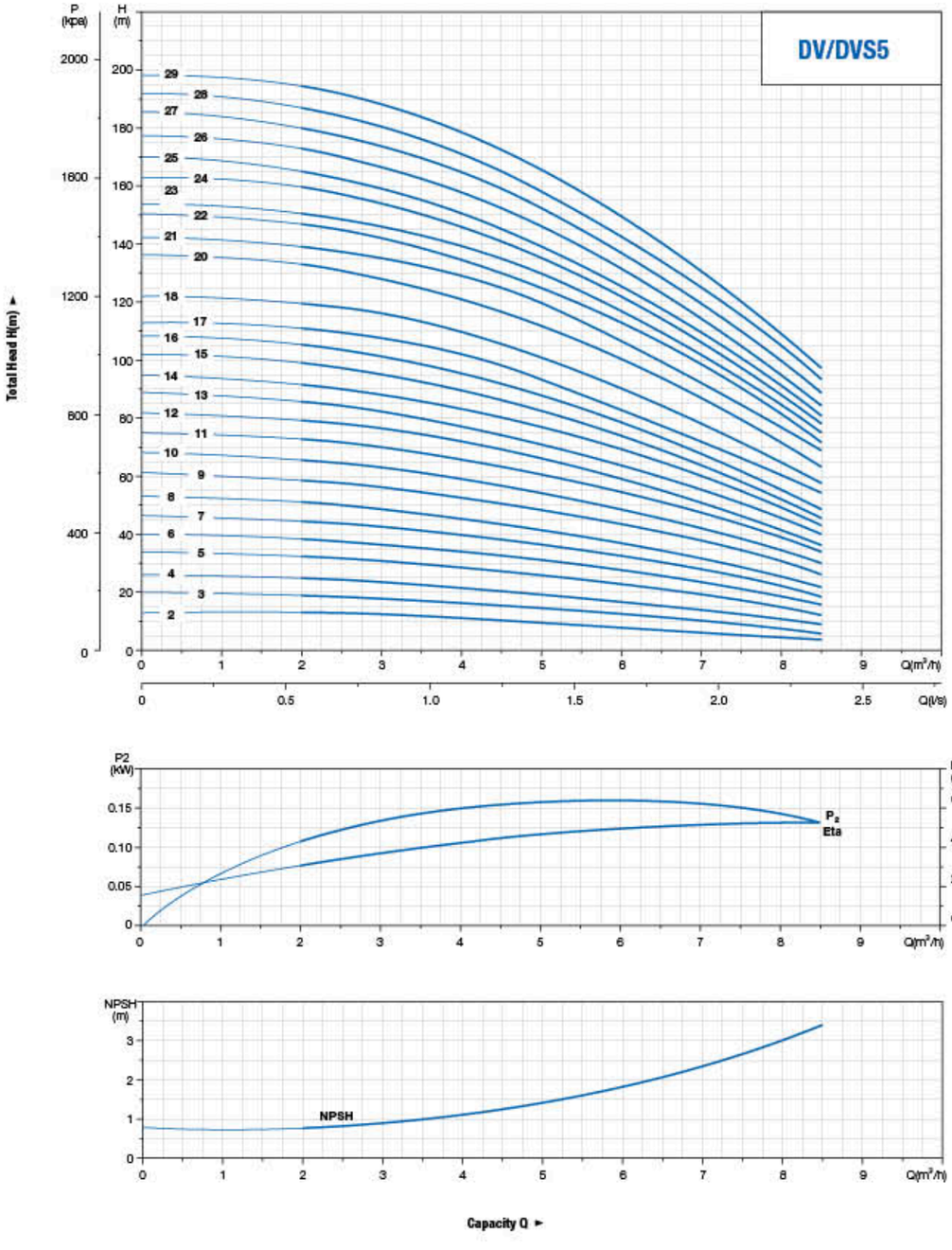


Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS3-2	282	541	140	119
DV/DVS3-3	282	541	140	119
DV/DVS3-4	300	559	140	119
DV/DVS3-5	318	577	140	119
DV/DVS3-6	336	595	140	119
DV/DVS3-7	354	613	140	119
DV/DVS3-8	376	662	156	123
DV/DVS3-9	394	680	156	123
DV/DVS3-10	412	698	156	123
DV/DVS3-11	430	716	156	123
DV/DVS3-12	448	734	156	123
DV/DVS3-13	466	752	156	123
DV/DVS3-14	484	770	156	123
DV/DVS3-15	502	788	156	123
DV/DVS3-16	536	852	168	132
DV/DVS3-17	554	870	168	132
DV/DVS3-18	572	888	168	132
DV/DVS3-19	590	906	168	132
DV/DVS3-20	608	924	168	132
DV/DVS3-21	626	967	168	132
DV/DVS3-22	644	985	168	132
DV/DVS3-23	662	1003	168	132
DV/DVS3-24	680	1021	168	132
DV/DVS3-25	698	1039	168	132
DV/DVS3-27	734	1075	168	132
DV/DVS3-28	752	1093	168	132
DV/DVS3-29	770	1111	168	132
DV/DVS3-31	810	1202	198	161
DV/DVS3-33	846	1238	198	161
DV/DVS3-36	900	1292	198	161

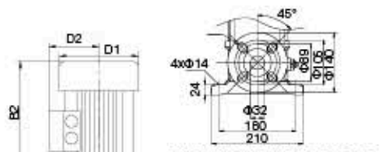
Note: There is no oval flange connection for DV/DVS3-26 to 3-36.

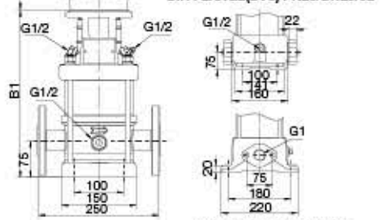
Model	Power (kW)	Q(m³/h)	1.2	1.6	2	2.4	2.8	3	3.6	4	4.4
DV/DVS3-2	0.37	H(m)	13	12.5	12	11.5	11	10	8	7.5	5
DV/DVS3-3	0.37		19	18.5	18	17	16	15	14	12	9
DV/DVS3-4	0.37		25	24	23	22	20	19	17	14	10
DV/DVS3-5	0.37		31	30	29	27	25	24	20	17	12
DV/DVS3-6	0.55		37	36	35	33	30	28	24	21	15
DV/DVS3-7	0.55		43	40	39	37	35	32	28	24	17
DV/DVS3-8	0.75		51	48	47	44	41	38	33	28	21
DV/DVS3-9	0.75		56	54	51	48	45	42	36	30	23
DV/DVS3-10	0.75		62	60	57	54	50	46	40	33	25
DV/DVS3-11	1.1		69	66	63	60	56	51	44	38	28
DV/DVS3-12	1.1		75	72	69	65	61	56	48	41	31
DV/DVS3-13	1.1		80	78	74	70	65	60	51	44	33
DV/DVS3-14	1.1		86	83	79	75	68	63	54	46	35
DV/DVS3-15	1.1		92	89	85	80	73	68	58	49	37
DV/DVS3-16	1.5		101	98	94	88	82	73	66	56	43
DV/DVS3-17	1.5		107	104	100	94	87	78	70	59	46
DV/DVS3-18	1.5		113	110	105	99	92	82	73	62	47
DV/DVS3-19	1.5		119	116	111	104	97	87	77	65	50
DV/DVS3-20	1.5		127	123	118	111	104	92	84	71	54
DV/DVS3-21	2.2		133	129	124	117	109	97	88	75	57
DV/DVS3-22	2.2		140	135	129	122	114	100	91	77	59
DV/DVS3-23	2.2		146	141	135	128	119	105	95	81	62
DV/DVS3-24	2.2		152	147	140	132	123	110	98	84	64
DV/DVS3-25	2.2		158	153	146	138	128	115	102	87	67
DV/DVS3-27	2.2		170	164	157	148	138	124	110	93	72
DV/DVS3-28	2.2		176	170	162	154	142	128	114	97	71
DV/DVS3-29	2.2		182	176	168	159	147	133	118	100	74
DV/DVS3-31	3		197	191	183	173	161	142	128	110	85
DV/DVS3-33	3		210	203	194	193	170	152	137	116	90
DV/DVS3-36	3		228	221	211	200	185	165	149	126	97

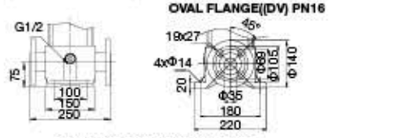
Performance Curves

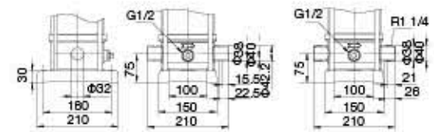


Installation Size And Package Information







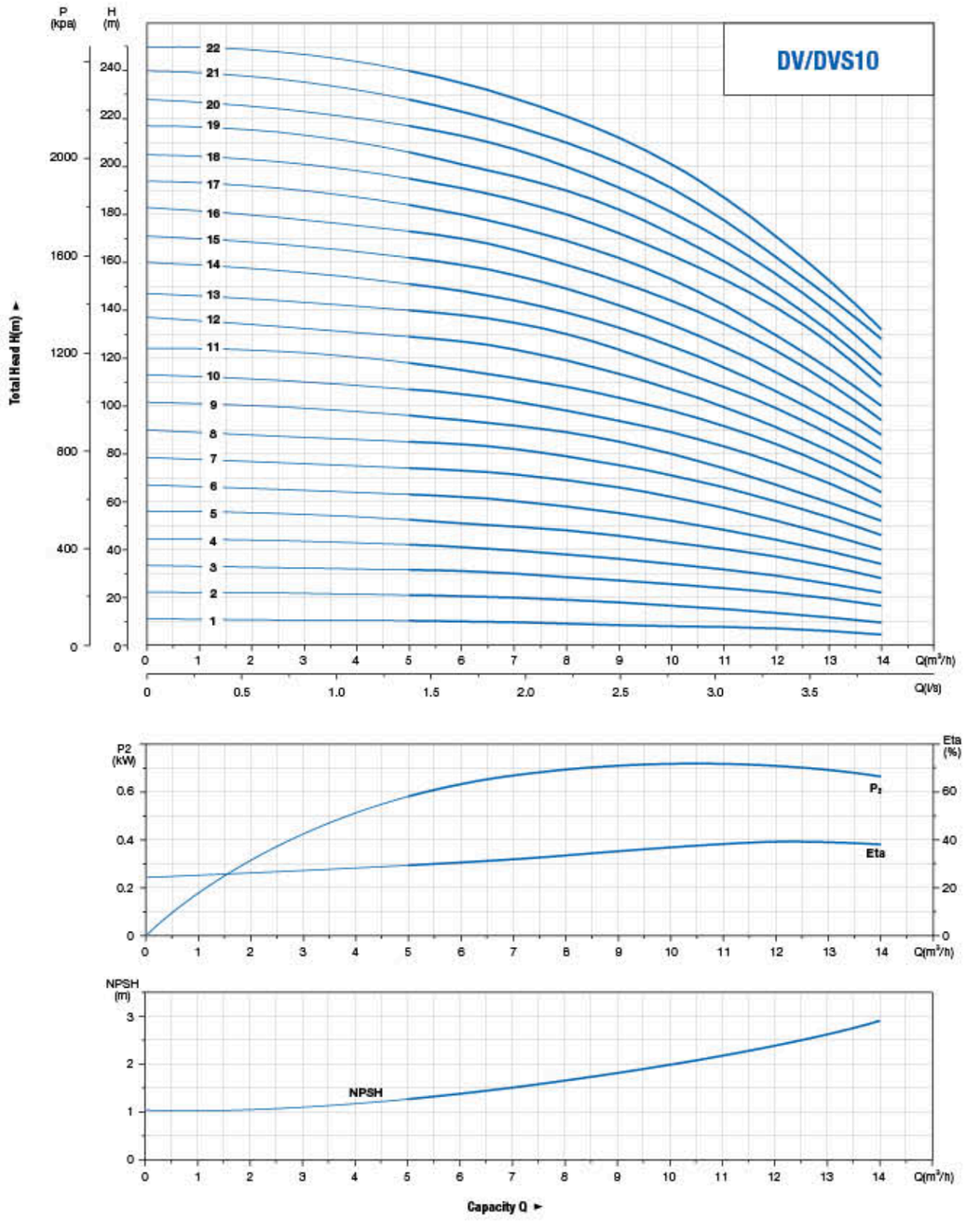


Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS5-2	282	541	140	119
DV/DVS5-3	309	568	140	119
DV/DVS5-4	336	595	140	119
DV/DVS5-5	367	653	156	123
DV/DVS5-6	394	680	156	123
DV/DVS5-7	421	707	156	123
DV/DVS5-8	448	734	156	123
DV/DVS5-9	491	807	168	132
DV/DVS5-10	518	834	168	132
DV/DVS5-11	545	886	168	132
DV/DVS5-12	572	913	168	132
DV/DVS5-13	599	940	168	132
DV/DVS5-14	626	967	168	132
DV/DVS5-15	653	994	168	132
DV/DVS5-16	680	1021	168	132
DV/DVS5-17	701	1093	198	161
DV/DVS5-18	738	1130	198	161
DV/DVS5-20	792	1184	198	161
DV/DVS5-21	819	1211	198	161
DV/DVS5-22	846	1237	220	175
DV/DVS5-23	873	1264	220	175
DV/DVS5-24	900	1291	220	175
DV/DVS5-25	927	1318	220	175
DV/DVS5-26	954	1345	220	175
DV/DVS5-27	981	1372	220	175
DV/DVS5-28	1008	1399	220	175
DV/DVS5-29	1035	1426	220	175

Note: There is no oval flange connection for DV/DVS5-24 to 5-29.

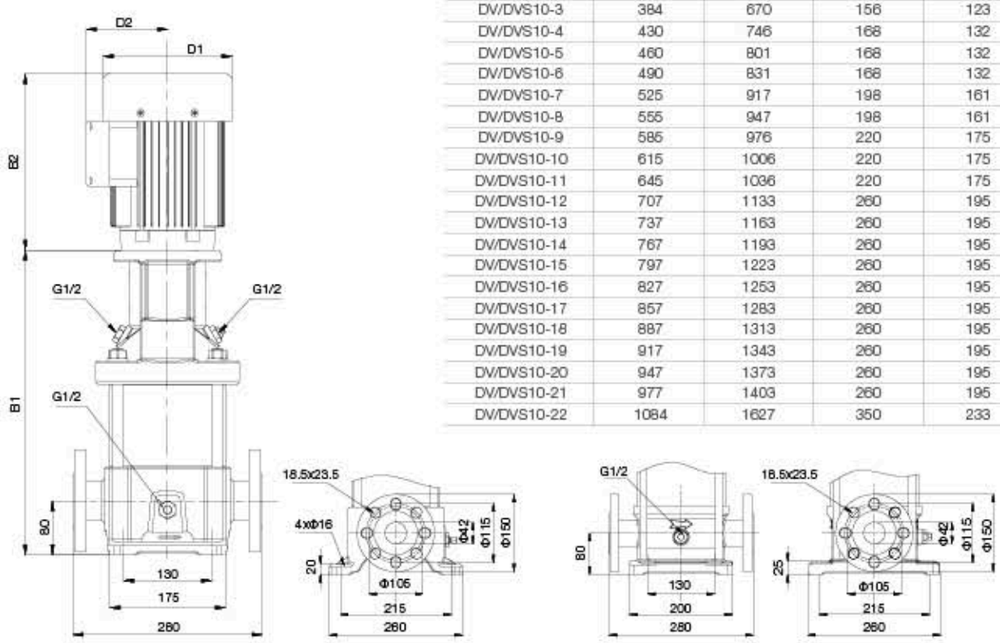
Model	Power (kW)	Q[m³/h]	2	3	4	5	6	7	8.5
DV/DVS5-2	0.37		12.5	12	10	9	7	6	4
DV/DVS5-3	0.55		19	18	16	15	12	10	6
DV/DVS5-4	0.55		25	24	22	19	16	14	9
DV/DVS5-5	0.75		32	30	28	24	22	18	12
DV/DVS5-6	1.1		38	37	34	28	27	23	16
DV/DVS5-7	1.1		45	42	40	32	31	27	18
DV/DVS5-8	1.1		51	48	45	40	36	31	22
DV/DVS5-9	1.5		59	56	53	47	44	37	26
DV/DVS5-10	1.5		65	62	59	53	48	41	30
DV/DVS5-11	2.2		73	70	66	59	54	47	34
DV/DVS5-12	2.2		79	76	72	63	59	51	36
DV/DVS5-13	2.2		85	82	78	68	64	55	40
DV/DVS5-14	2.2		92	89	83	74	69	60	43
DV/DVS5-15	2.2	H(m)	99	95	89	79	74	63	45
DV/DVS5-16	2.2		105	101	95	85	78	68	48
DV/DVS5-17	3		112	109	103	93	85	74	55
DV/DVS5-18	3		119	115	109	98	90	78	58
DV/DVS5-20	3		132	127	120	108	100	87	63
DV/DVS5-21	3		140	136	128	115	107	93	69
DV/DVS5-22	4		147	142	134	120	112	97	72
DV/DVS5-23	4		153	148	140	127	117	102	75
DV/DVS5-24	4		160	154	146	132	122	106	78
DV/DVS5-25	4		166	160	151	139	127	111	81
DV/DVS5-26	4		173	166	157	146	132	115	84
DV/DVS5-27	4		181	175	166	153	139	122	89
DV/DVS5-28	4		187	182	172	157	144	126	93
DV/DVS5-29	4		194	188	178	161	149	131	96

Performance Curves



Installation Size And Package Information

Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS10-1	351	637	156	123
DV/DVS10-2	354	640	156	123
DV/DVS10-3	384	670	156	123
DV/DVS10-4	430	746	168	132
DV/DVS10-5	460	801	168	132
DV/DVS10-6	490	831	168	132
DV/DVS10-7	525	917	198	161
DV/DVS10-8	555	947	198	161
DV/DVS10-9	585	976	220	175
DV/DVS10-10	615	1006	220	175
DV/DVS10-11	645	1036	220	175
DV/DVS10-12	707	1133	260	195
DV/DVS10-13	737	1163	260	195
DV/DVS10-14	767	1193	260	195
DV/DVS10-15	797	1223	260	195
DV/DVS10-16	827	1253	260	195
DV/DVS10-17	857	1283	260	195
DV/DVS10-18	887	1313	260	195
DV/DVS10-19	917	1343	260	195
DV/DVS10-20	947	1373	260	195
DV/DVS10-21	977	1403	260	195
DV/DVS10-22	1084	1627	350	233

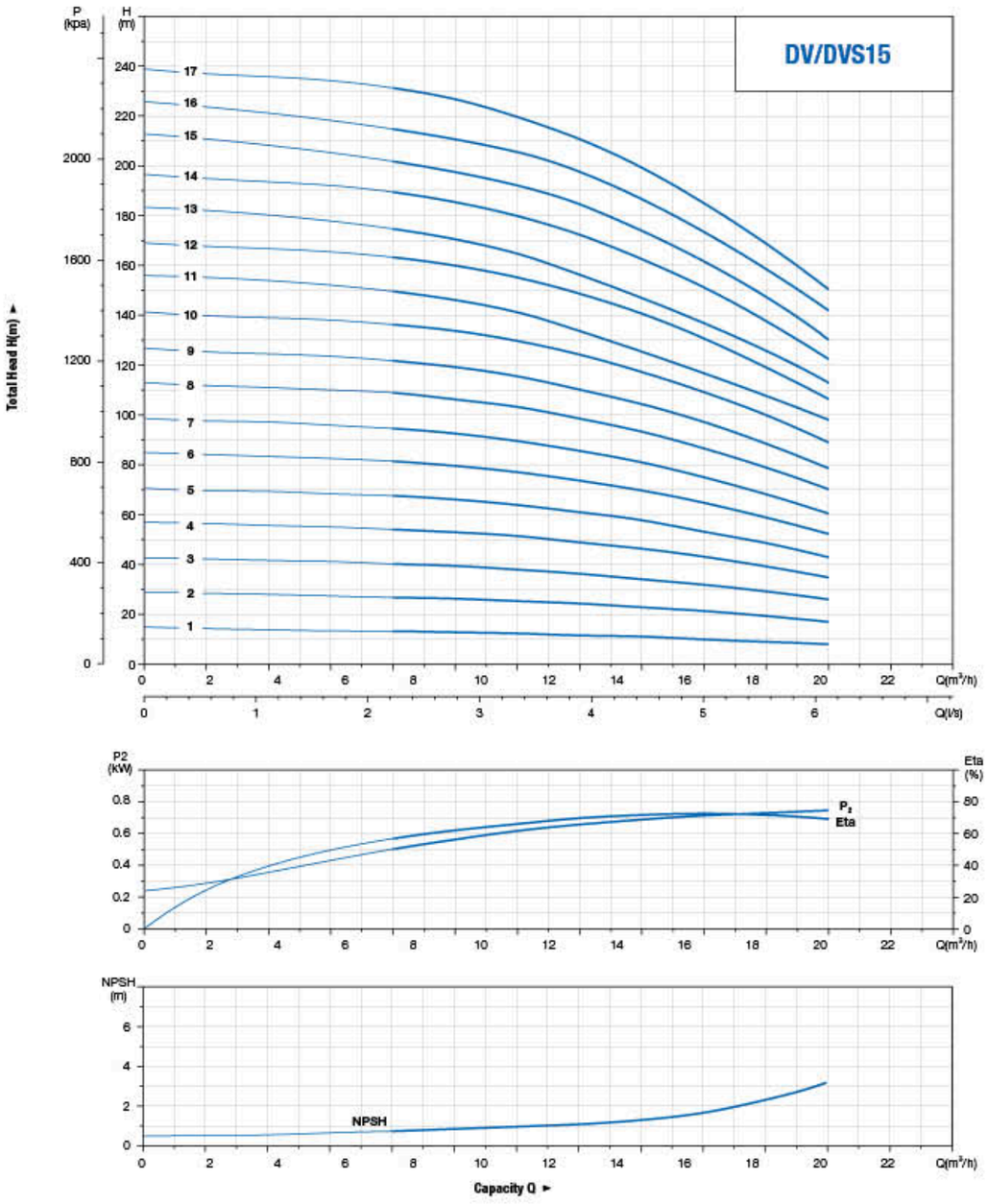


DIN FLANGE(DV) PN16-25/DN40

DIN FLANGE(DVS) PN16-25/DN40

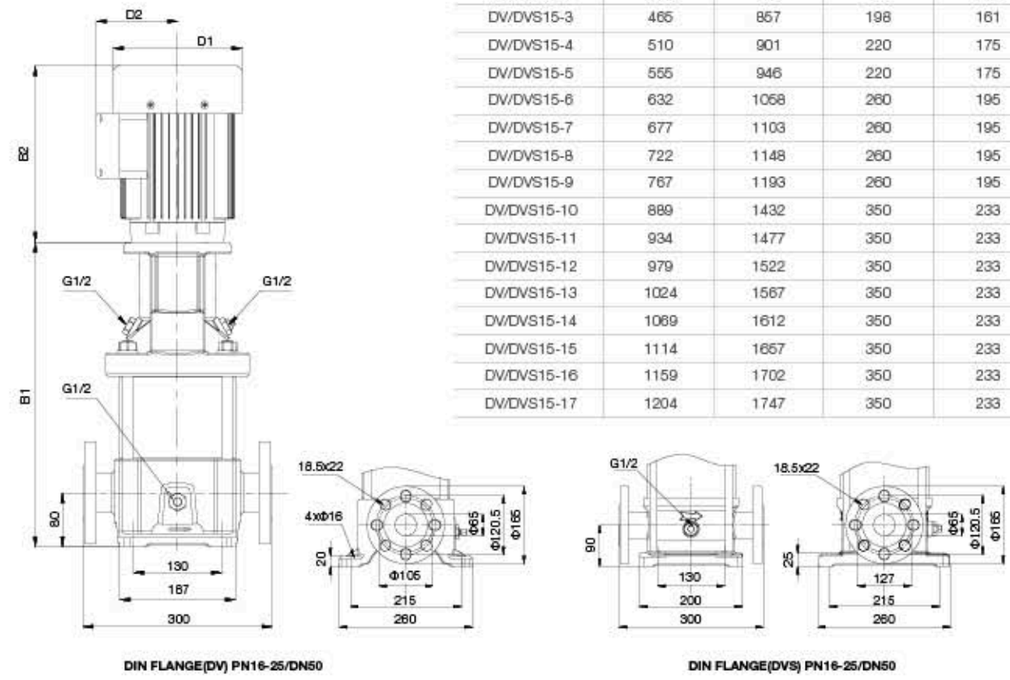
Model	Power (kW)	Q(m³/h)	5	6	8	10	12	14
DV/DVS10-1	0.75	H(m)	10.2	10	9	8	7	4.5
DV/DVS10-2	0.75		21	20.5	19	16.5	13.5	9.5
DV/DVS10-3	1.1		31.5	31	28.5	25.5	22	16.5
DV/DVS10-4	1.5		42	41	38	34	29	22
DV/DVS10-5	2.2		52.5	51	48	43	37	28
DV/DVS10-6	2.2		63	62	58	52	44	34
DV/DVS10-7	3		74	73	69	62	52	40
DV/DVS10-8	3		85	84	79	71	60	46
DV/DVS10-9	4		96	94	89	80	67	52
DV/DVS10-10	4		107	105	98	89	76	58
DV/DVS10-11	4		118	115	108	98	84	64
DV/DVS10-12	5.5		129	127	119	107	91	70
DV/DVS10-13	5.5		140	138	130	116	99	76
DV/DVS10-14	5.5		151	148	139	125	106	82
DV/DVS10-15	5.5		162	159	149	134	114	88
DV/DVS10-16	7.5		173	170	159	144	123	94
DV/DVS10-17	7.5		184	180	169	153	130	100
DV/DVS10-18	7.5		195	191	180	163	141	108
DV/DVS10-19	7.5		206	201	190	172	147	113
DV/DVS10-20	7.5		217	213	200	181	155	120
DV/DVS10-21	7.5		228	223	210	191	162	128
DV/DVS10-22	11		240	235	221	201	171	132

Performance Curves



Installation Size And Package Information

Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS15-1	399	685	156	123
DV/DVS15-2	415	756	168	132
DV/DVS15-3	466	857	198	161
DV/DVS15-4	510	901	220	175
DV/DVS15-5	555	946	220	175
DV/DVS15-6	632	1058	260	195
DV/DVS15-7	677	1103	260	195
DV/DVS15-8	722	1148	260	195
DV/DVS15-9	767	1193	260	195
DV/DVS15-10	889	1432	350	233
DV/DVS15-11	934	1477	350	233
DV/DVS15-12	979	1522	350	233
DV/DVS15-13	1024	1567	350	233
DV/DVS15-14	1069	1612	350	233
DV/DVS15-15	1114	1657	350	233
DV/DVS15-16	1159	1702	350	233
DV/DVS15-17	1204	1747	350	233

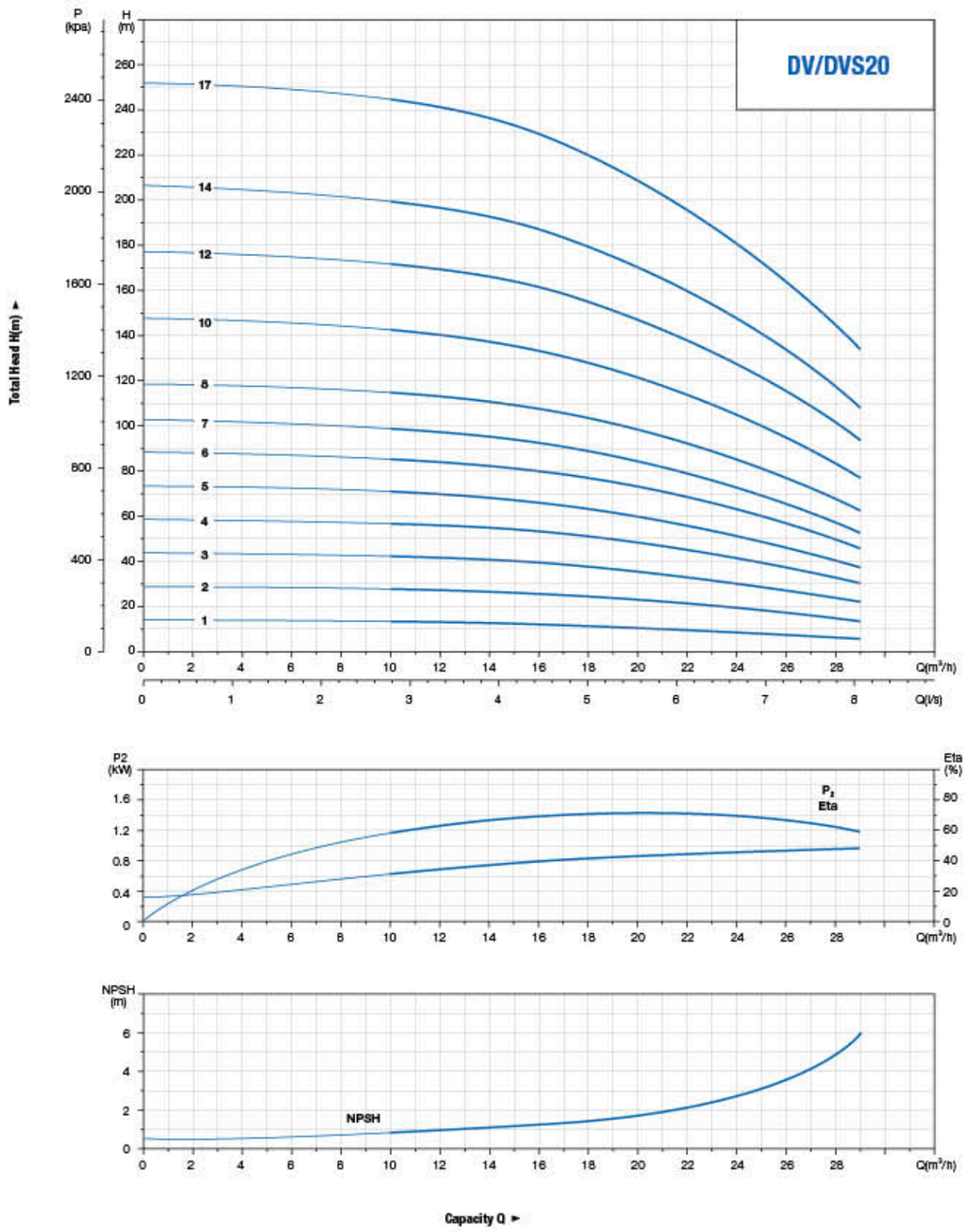


DIN FLANGE(DV) PN16-25/DN50

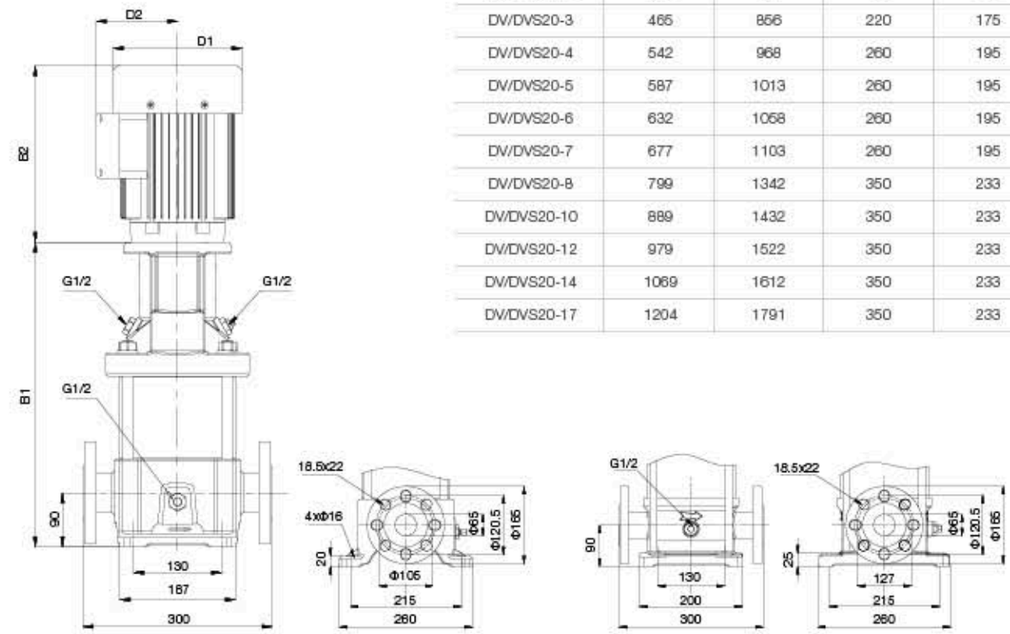
DIN FLANGE(DVS) PN16-25/DN50

Model	Power (kW)	Q(m³/h)	8	9	12	15	18	20	22
DV/DVS15-1	1.1	H(m)	13.5	13	12	11	10	9.5	8
DV/DVS15-2	2.2		28	26	25	23	21	19	17
DV/DVS15-3	3.0		41	40	38	35	32	29	25
DV/DVS15-4	4.0		56	55	51	47	43	39	35
DV/DVS15-5	4.0		68	66	64	58	53	49	43
DV/DVS15-6	5.5		82	80	77	71	64	59	52
DV/DVS15-7	5.5		95	94	89	83	75	68	60
DV/DVS15-8	7.5		110	108	103	96	86	79	70
DV/DVS15-9	7.5		123	120	115	108	97	89	78
DV/DVS15-10	11.0		138	136	129	120	109	100	89
DV/DVS15-11	11.0		151	149	142	130	119	109	98
DV/DVS15-12	11.0		165	162	155	142	130	119	107
DV/DVS15-13	11.0		176	174	166	153	139	128	113
DV/DVS15-14	11.0		190	188	180	166	151	138	122
DV/DVS15-15	15.0		203	202	192	180	162	148	130
DV/DVS15-16	15.0		217	214	205	191	174	159	141
DV/DVS15-17	15.0		232	230	219	205	185	169	150

Performance Curves



Installation Size And Package Information



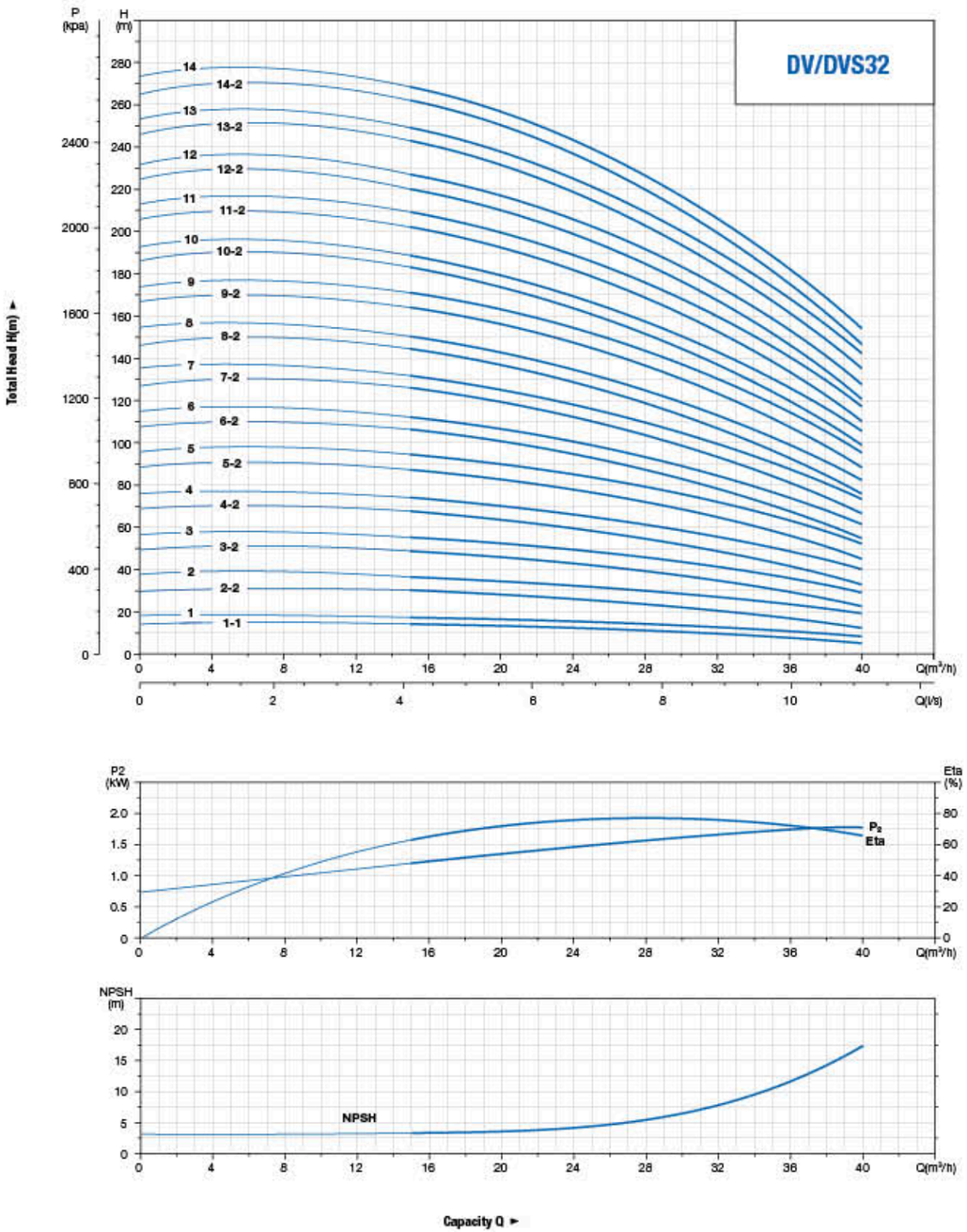
DIN FLANGE(DV) PN16-25/DN50

DIN FLANGE(DVS) PN16-25/DN50

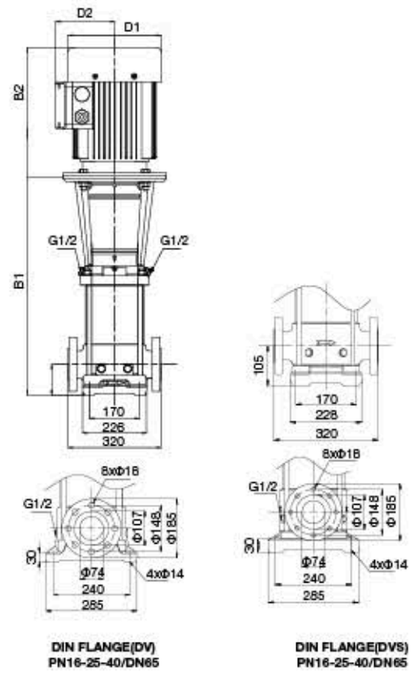
Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS20-1	399	685	156	123
DV/DVS20-2	415	756	168	132
DV/DVS20-3	465	856	220	175
DV/DVS20-4	542	968	260	195
DV/DVS20-5	587	1013	260	195
DV/DVS20-6	632	1058	260	195
DV/DVS20-7	677	1103	260	195
DV/DVS20-8	799	1342	350	233
DV/DVS20-10	889	1432	350	233
DV/DVS20-12	979	1522	350	233
DV/DVS20-14	1069	1612	350	233
DV/DVS20-17	1204	1791	350	233

Model	Power (kW)	Q(m³/h)	10	12	16	18	20	24	26	29
DV/DVS20-1	1.1	H(m)	13	13	12	11	10.5	9	8	5
DV/DVS20-2	2.2		28	27	25	24	22.5	19	18	12
DV/DVS20-3	4.0		43	42	39	38	36	30	28	22
DV/DVS20-4	5.5		57	56	53	51	48	41	38	30
DV/DVS20-5	5.5		71	70	66	63	60	52	46	38
DV/DVS20-6	7.5		86	84	80	77	72	62	57	45
DV/DVS20-7	7.5		99	97	93	88	84	72	65	52
DV/DVS20-8	11.0		116	113	107	104	96	85	77	62
DV/DVS20-10	11.0		144	140	132	128	120	105	95	78
DV/DVS20-12	15.0		173	169	161	155	144	127	115	93
DV/DVS20-14	15.0		200	197	187	180	168	147	133	108
DV/DVS20-17	18.5		245	241	229	220	205	181	163	134

Performance Curves



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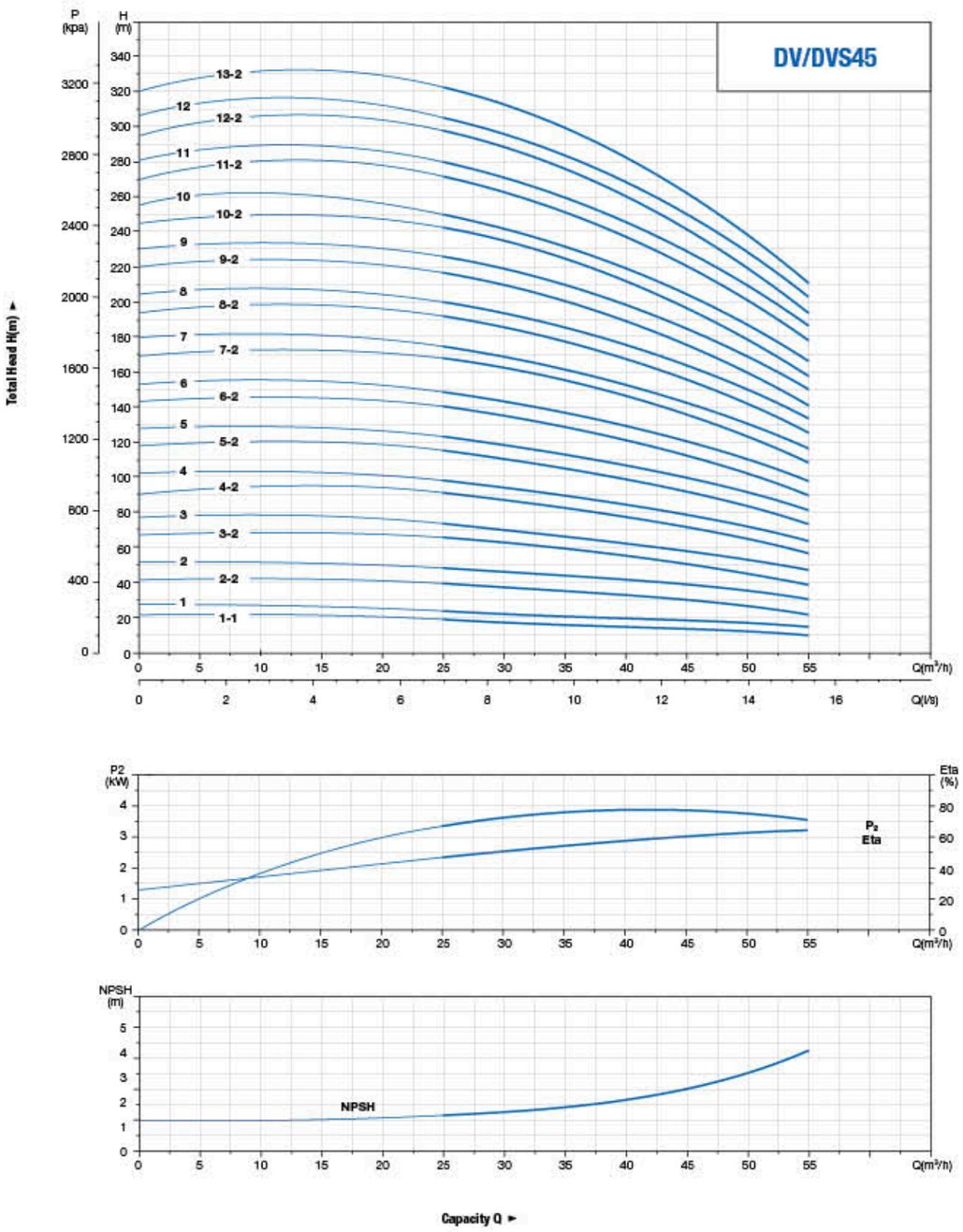
DIN FLANGE(DV) PN16-25-40/DN65

DIN FLANGE(DVS) PN16-25-40/DN65

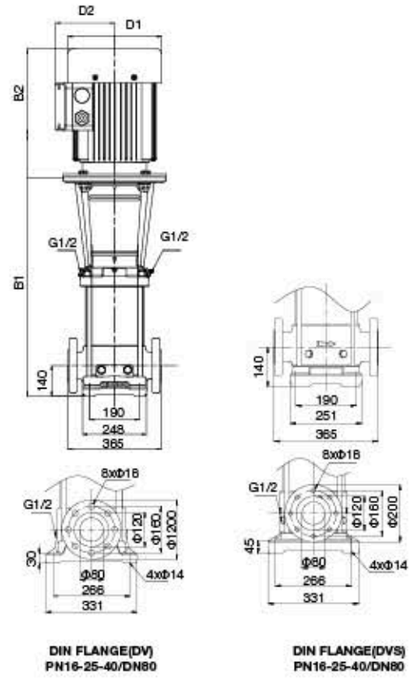
Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS32-1-1	516	832	168	132
DV/DVS32-1	516	857	168	132
DV/DVS32-2-2	586	978	198	161
DV/DVS32-2	586	977	220	175
DV/DVS32-3-2	656	1082	260	195
DV/DVS32-3	656	1082	260	195
DV/DVS32-4-2	726	1152	260	195
DV/DVS32-4	726	1152	260	195
DV/DVS32-5-2	896	1439	350	233
DV/DVS32-5	896	1439	350	233
DV/DVS32-6-2	966	1509	350	233
DV/DVS32-6	966	1509	350	233
DV/DVS32-7-2	1036	1579	350	233
DV/DVS32-7	1036	1579	350	233
DV/DVS32-8-2	1106	1649	350	233
DV/DVS32-8	1106	1649	350	233
DV/DVS32-9-2	1176	1763	350	233
DV/DVS32-9	1176	1763	350	233
DV/DVS32-10-2	1246	1833	350	233
DV/DVS32-10	1246	1833	350	233
DV/DVS32-11-2	1316	2001	365	285
DV/DVS32-11	1316	2001	365	285
DV/DVS32-12-2	1386	2071	365	285
DV/DVS32-12	1386	2071	365	285
DV/DVS32-13-2	1456	2281	418	325
DV/DVS32-13	1466	2281	418	325
DV/DVS32-14-2	1526	2351	418	325
DV/DVS32-14	1526	2351	418	325

Model	Power (kW)	Q(m³/h)	15	20	25	32	35	40
DV/DVS32-1-1	1.5	H(m)	15	14	13	10	8	5
DV/DVS32-1	2.2		18	17	16	13	11.5	9
DV/DVS32-2-2	3.0		31	29.5	26.5	20.5	17.5	12
DV/DVS32-2	4.0		37	35.5	32.5	27.5	25	19.5
DV/DVS32-3-2	5.5		50	47	43.5	35.5	31	22.5
DV/DVS32-3	5.5		55.5	53	49	41.5	37.5	29.5
DV/DVS32-4-2	7.5		68.5	65	60	49.5	44	32.5
DV/DVS32-4	7.5		74.5	70.5	66	56	50.5	40
DV/DVS32-5-2	11		88.5	84.5	78	65.5	58.5	45
DV/DVS32-5	11		94.5	90	94	72	65	52
DV/DVS32-6-2	11		107	102	94.5	79.5	71	55
DV/DVS32-6	11		113	108	100	85.5	77.5	61.5
DV/DVS32-7-2	15		127	121	112	94.5	85	66.5
DV/DVS32-7	15		133	126	118	101	92	73.5
DV/DVS32-8-2	15		145	138	128	108	98	76.5
DV/DVS32-8	15		151	144	134	115	104	83
DV/DVS32-9-2	18.5		165	158	147	124	112	88.5
DV/DVS32-9	18.5		171	163	152	131	119	95.5
DV/DVS32-10-2	18.5		184	175	163	138	125	98.5
DV/DVS32-10	18.5		190	181	169	145	133	106
DV/DVS32-11-2	22		203	194	181	154	140	111
DV/DVS32-11	22		209	200	187	161	147	118
DV/DVS32-12-2	22		222	212	197	168	152	121
DV/DVS32-12	22		227	217	203	176	160	128
DV/DVS32-13-2	30		244	233	218	187	169	136
DV/DVS32-13	30		250	239	224	193	177	145
DV/DVS32-14-2	30		263	251	234	201	183	146
DV/DVS32-14	30		269	258	241	207	188	156

Performance Curves



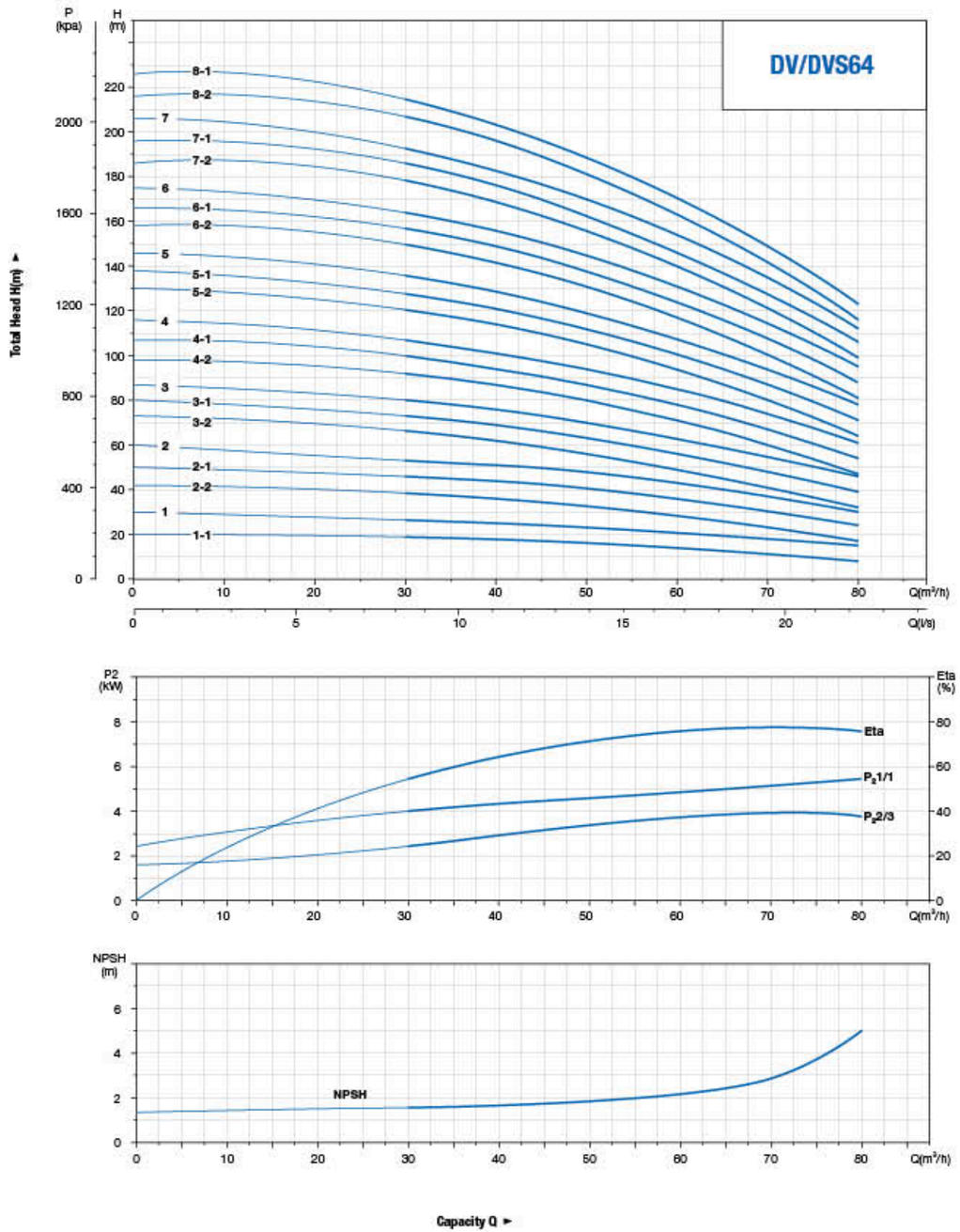
Installation Size And Package Information



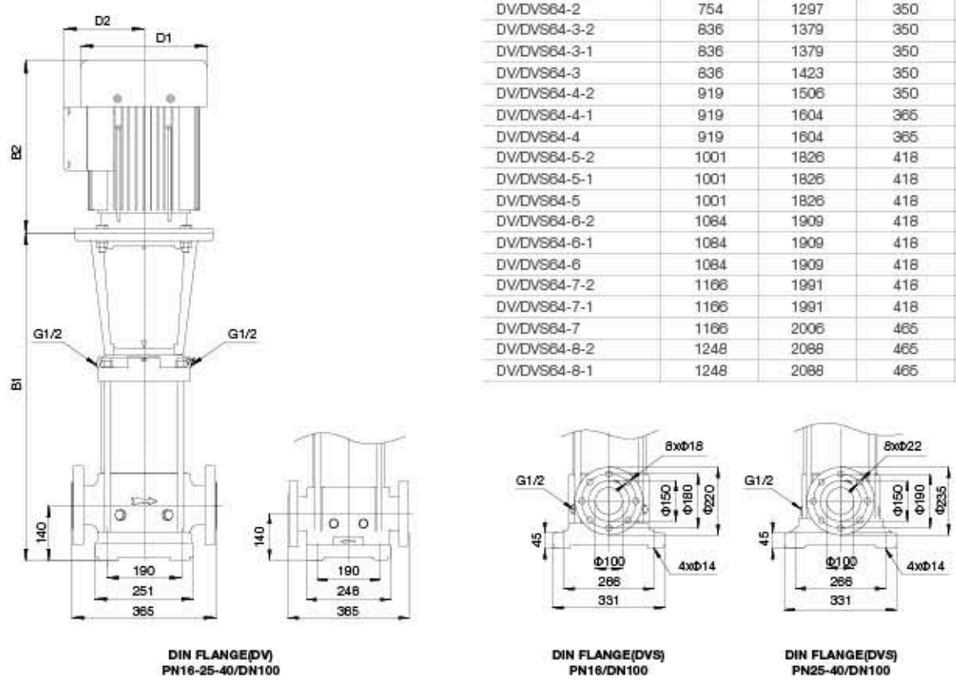
Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS45-1-1	571	963	198	161
DV/DVS45-1	571	962	220	175
DV/DVS45-2-2	651	1077	260	195
DV/DVS45-2	651	1077	260	195
DV/DVS45-3-2	831	1374	350	233
DV/DVS45-3	831	1374	350	233
DV/DVS45-4-2	911	1454	350	233
DV/DVS45-4	911	1454	350	233
DV/DVS45-5-2	991	1578	350	233
DV/DVS45-5	991	1578	350	233
DV/DVS45-6-2	1071	1756	365	285
DV/DVS45-6	1071	1756	365	285
DV/DVS45-7-2	1151	1976	418	325
DV/DVS45-7	1151	1976	418	325
DV/DVS45-8-2	1231	2056	418	325
DV/DVS45-8	1231	2056	418	325
DV/DVS45-9-2	1311	2136	418	325
DV/DVS45-9	1311	2136	418	325
DV/DVS45-10-2	1391	2216	418	325
DV/DVS45-10	1391	2216	418	325
DV/DVS45-11-2	1471	2311	465	350
DV/DVS45-11	1471	2311	465	350
DV/DVS45-12-2	1551	2391	465	350
DV/DVS45-12	1551	2391	465	350
DV/DVS45-13-2	1631	2471	465	350

Model	Power (kW)	Q(m³/h)	25	30	35	40	45	50	55
DV/DVS45-1-1	3.0	H(m)	20	19.5	18	17	15	12.5	10.5
DV/DVS45-1	4.0		24	23	22	20.5	19	17.5	15
DV/DVS45-2-2	5.5		41	39	37	34	30.5	26.5	22
DV/DVS45-2	7.5		48.5	46.5	44.5	42	39	35	31
DV/DVS45-3-2	11		66	64	61	56.5	52	46	40
DV/DVS45-3	11		73.5	71	68	64	59.5	54	47.5
DV/DVS45-4-2	15		91	88	84	78.5	72	64.5	56
DV/DVS45-4	15		98.5	95	91	85.5	79.5	72.5	64
DV/DVS45-5-2	18.5		116	113	107	101	92.5	83.5	73
DV/DVS45-5	18.5		124	120	115	108	100	91.5	81
DV/DVS45-6-2	22		142	137	131	122	113	103	90
DV/DVS45-6	22		149	144	138	130	121	111	98
DV/DVS45-7-2	30		168	163	156	147	135	123	109
DV/DVS45-7	30		176	171	163	156	144	132	116
DV/DVS45-8-2	30		193	187	179	168	155	142	126
DV/DVS45-8	30		200	194	187	176	164	149	134
DV/DVS45-9-2	30		217	211	202	189	175	159	142
DV/DVS45-9	30		226	219	210	199	185	170	151
DV/DVS45-10-2	37		243	236	225	212	196	179	159
DV/DVS45-10	37		251	243	233	220	205	187	166
DV/DVS45-11-2	45		273	264	253	238	222	201	179
DV/DVS45-11	45		281	272	261	246	230	209	187
DV/DVS45-12-2	45		298	289	276	261	242	220	195
DV/DVS45-12	45		306	296	284	268	251	229	204
DV/DVS45-13-2	45		323	313	300	283	263	239	212

Performance Curves



Installation Size And Package Information



DIN FLANGE(DV) PN16-25-40/DN100

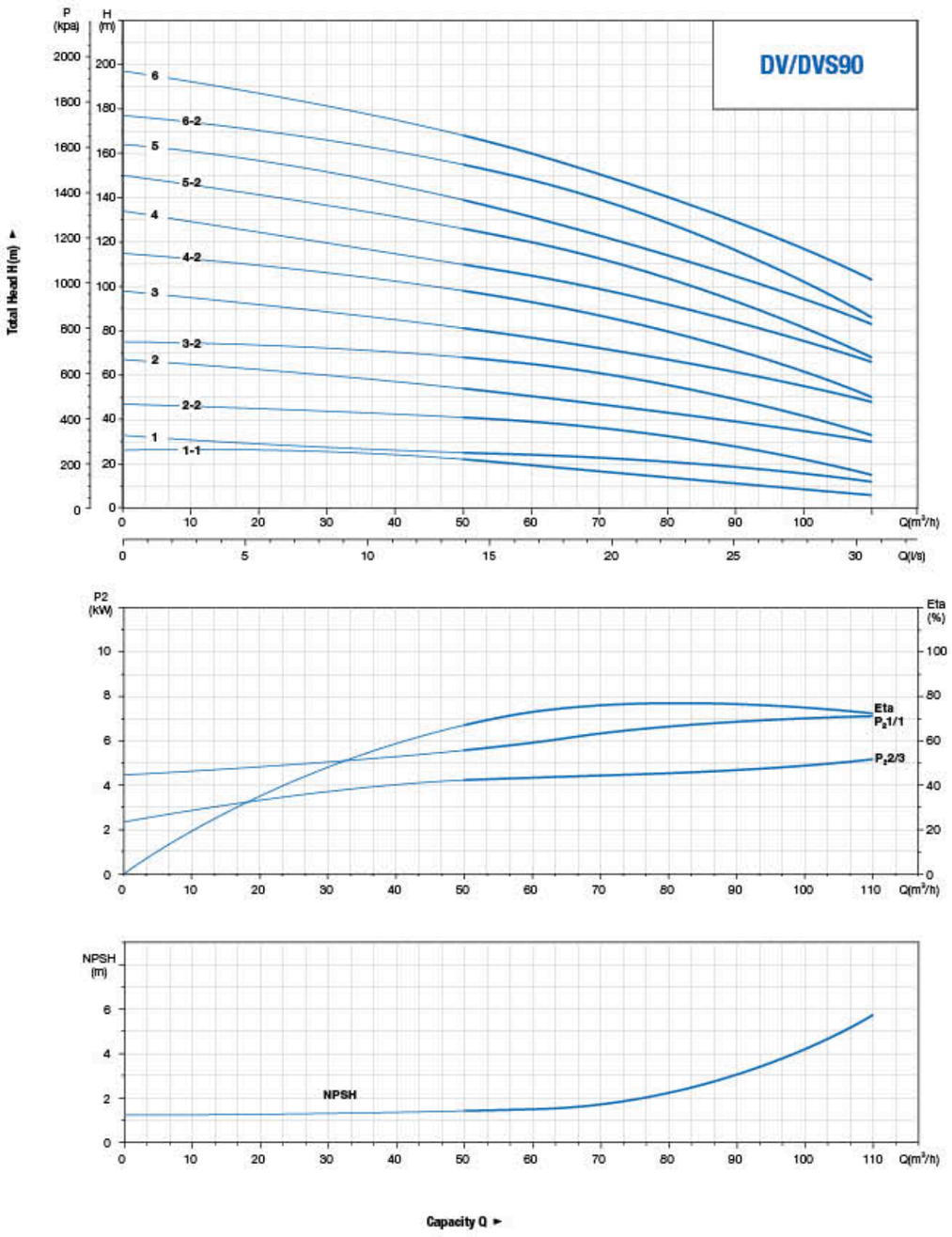
DIN FLANGE(DVS) PN16/DN100

DIN FLANGE(DVS) PN25-40/DN100

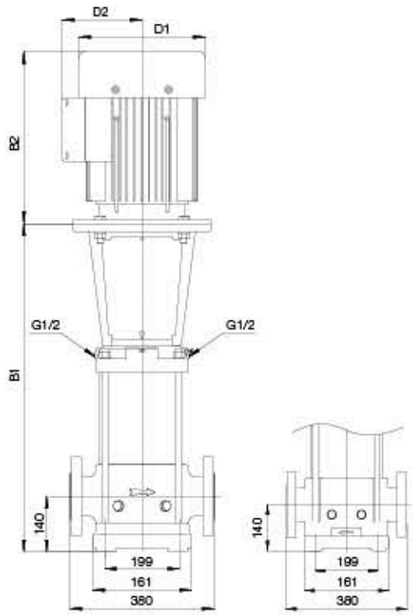
Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS64-1-1	561	952	220	175
DV/DVS64-1	561	987	260	195
DV/DVS64-2-2	644	1070	260	195
DV/DVS64-2-1	754	1297	350	233
DV/DVS64-2	754	1297	350	233
DV/DVS64-3-2	836	1379	350	233
DV/DVS64-3-1	836	1379	350	233
DV/DVS64-3	836	1423	350	233
DV/DVS64-4-2	919	1506	350	233
DV/DVS64-4-1	919	1604	365	285
DV/DVS64-4	919	1604	365	285
DV/DVS64-5-2	1001	1826	418	325
DV/DVS64-5-1	1001	1826	418	325
DV/DVS64-5	1001	1826	418	325
DV/DVS64-6-2	1084	1909	418	325
DV/DVS64-6-1	1084	1909	418	325
DV/DVS64-6	1084	1909	418	325
DV/DVS64-7-2	1166	1991	418	325
DV/DVS64-7-1	1166	1991	418	325
DV/DVS64-7	1166	2006	465	350
DV/DVS64-8-2	1248	2088	465	350
DV/DVS64-8-1	1248	2088	465	350

Model	Power (kW)	Q(m³/h)	30	40	50	60	64	70	80
DV/DVS64-1-1	4		19	18	16	14	13.2	11	8
DV/DVS64-1	5.5		27	25	23	21	20.2	18	15
DV/DVS64-2-2	7.5		39	36	33	29	27	23	17
DV/DVS64-2-1	11		46	44	40	36	34	30	24
DV/DVS64-2	11		53	51	47	43	41	37	30
DV/DVS64-3-2	15		66	62	56	50	47	41	32
DV/DVS64-3-1	15		73	69	63	57	54	48	39
DV/DVS64-3	18.5		80	76	70	64	61	55	46
DV/DVS64-4-2	18.5		92	87	80	71	67	60	47
DV/DVS64-4-1	22		100	94	87	78	74	67	54
DV/DVS64-4	22		107	101	94	85	81	74	61
DV/DVS64-5-2	30		121	114	105	95	89	80	64
DV/DVS64-5-1	30		128	121	112	102	96	87	71
DV/DVS64-5	30		136	129	119	109	103	94	78
DV/DVS64-6-2	30		150	142	131	118	111	101	81
DV/DVS64-6-1	37		157	149	138	125	118	108	88
DV/DVS64-6	37		164	156	145	132	125	115	95
DV/DVS64-7-2	37		179	169	156	141	133	121	99
DV/DVS64-7-1	37		186	176	163	148	140	128	106
DV/DVS64-7	45		193	183	170	155	147	135	112
DV/DVS64-8-2	45		207	196	182	164	155	142	116
DV/DVS64-8-1	45		215	203	189	171	162	149	123

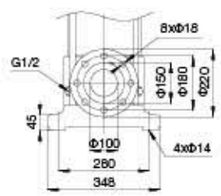
Performance Curves



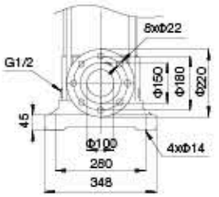
Installation Size And Package Information



DIN FLANGE(DV)
PN16-25-40/DN100



DIN FLANGE(DVS)
PN16/DN100

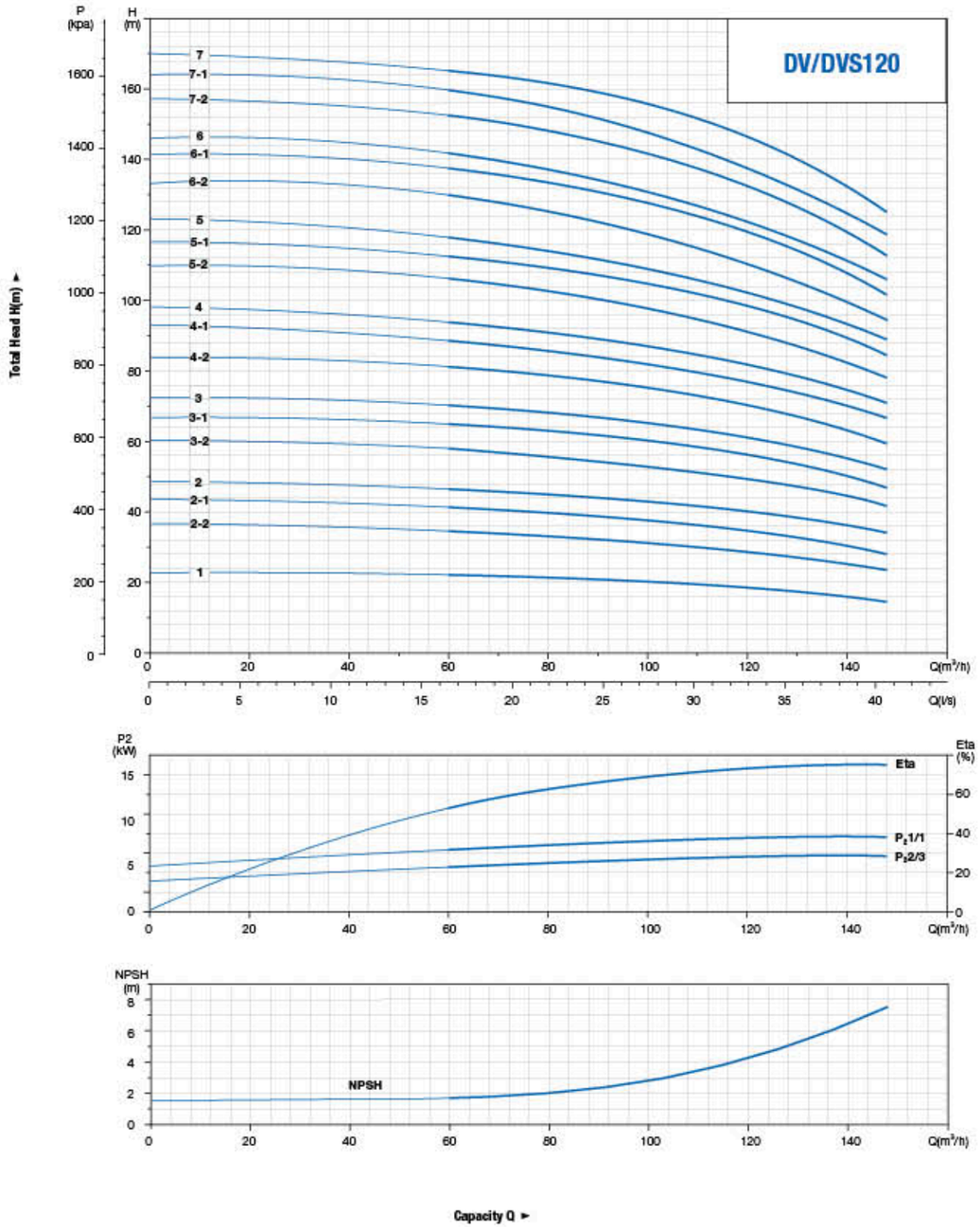


DIN FLANGE(DVS)
PN25-40/DN100

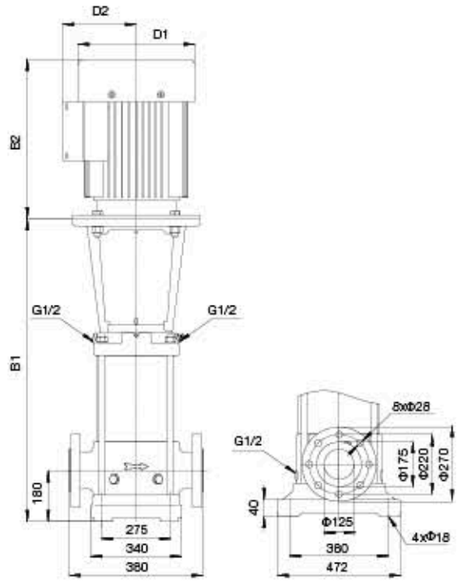
Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS90-1-1	571	997	260	195
DV/DVS90-1	571	997	260	195
DV/DVS90-2-2	773	1316	350	233
DV/DVS90-2	773	1316	350	233
DV/DVS90-3-2	865	1452	350	233
DV/DVS90-3	865	1550	365	285
DV/DVS90-4-2	957	1782	418	325
DV/DVS90-4	957	1782	418	325
DV/DVS90-5-2	1049	1874	418	325
DV/DVS90-5	1049	1874	418	325
DV/DVS90-6-2	1141	1981	465	350
DV/DVS90-6	1141	1981	165	350

Model	Power (kW)	Q(m³/h)	50	60	70	80	85	90	100	110
DV/DVS90-1-1	5.5	H(m)	22	19	17	16	14	13	10	6
DV/DVS90-1	7.5		25	24	22	21	20	19	16	12
DV/DVS90-2-2	11		41	39	36	32	30	28	22	15
DV/DVS90-2	15		53	50	47	44	41	40	36	30
DV/DVS90-3-2	18.5		68	65	60	55	52	49	41	32
DV/DVS90-3	22		81	77	72	67	64	62	55	48
DV/DVS90-4-2	30		98	93	87	80	75	72	62	50
DV/DVS90-4	30		110	105	100	82	86	84	76	66
DV/DVS90-5-2	37		126	120	113	104	98	93	81	68
DV/DVS90-5	37		139	131	124	115	110	106	94	83
DV/DVS90-6-2	45		155	148	139	129	122	117	102	86
DV/DVS90-6	45		168	160	150	141	134	130	117	103

Performance Curves



Installation Size And Package Information

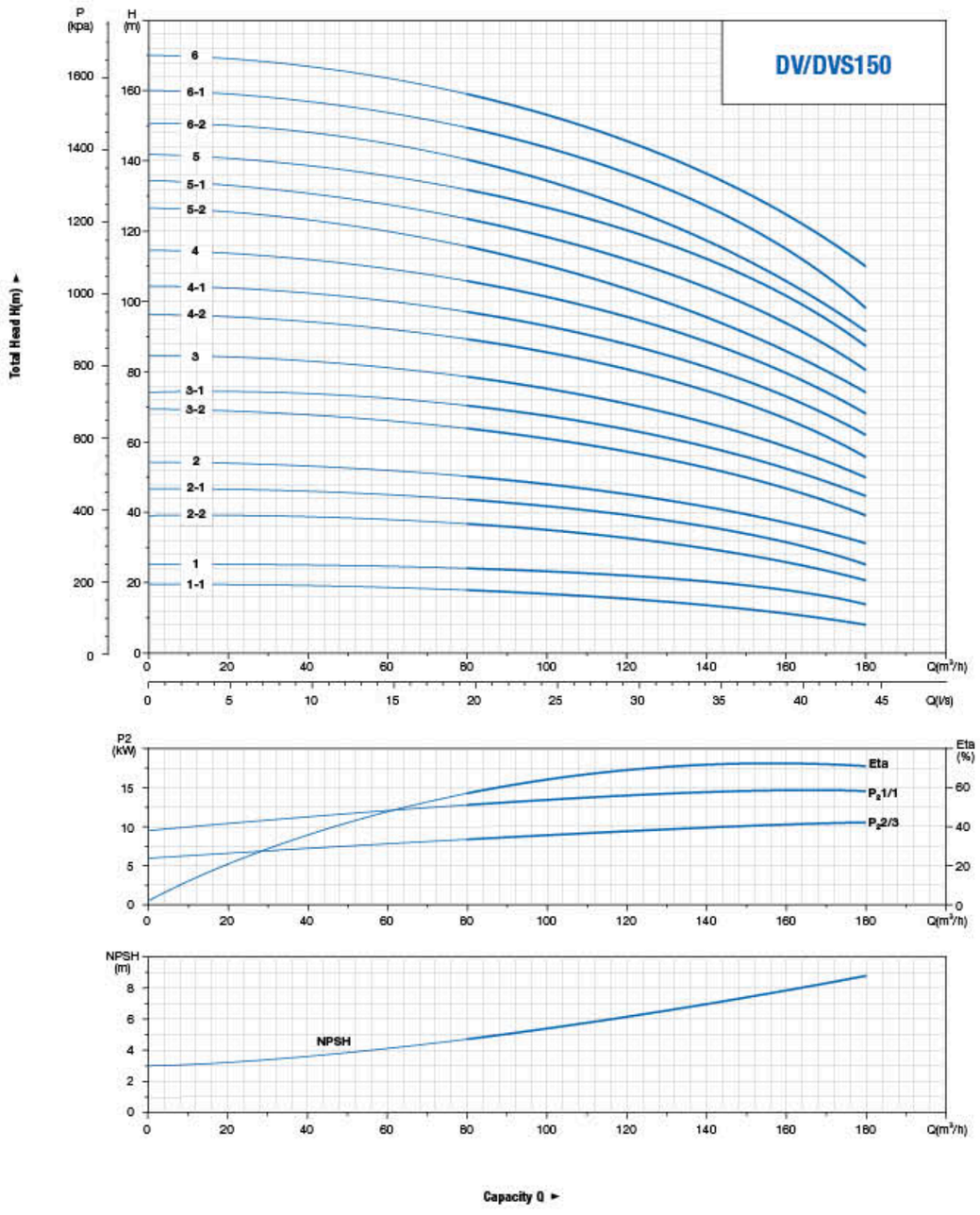


DIN FLANGE(DV/DVS) PN25-40/DN125

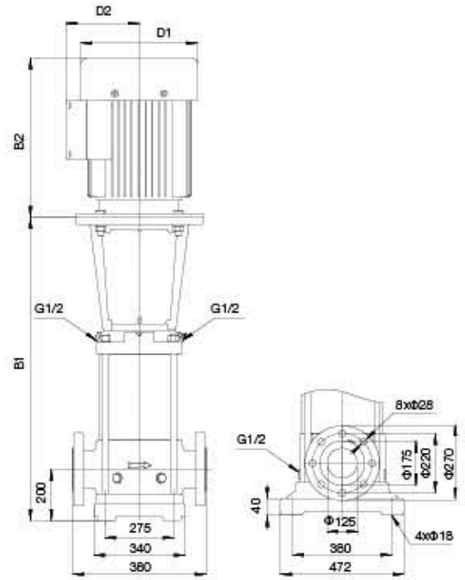
Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS120-1	840	1383	350	233
DV/DVS120-2-2	1000	1543	350	233
DV/DVS120-2-1	1000	1587	350	233
DV/DVS120-2	1000	1685	365	285
DV/DVS120-3-2	1160	1985	418	325
DV/DVS120-3-1	1160	1985	418	325
DV/DVS120-3	1160	1985	418	325
DV/DVS120-4-2	1320	2145	418	325
DV/DVS120-4-1	1320	2145	418	325
DV/DVS120-4	1320	2160	465	350
DV/DVS120-5-2	1480	2320	465	350
DV/DVS120-5-1	1480	2320	465	350
DV/DVS120-5	1510	2480	525	405
DV/DVS120-6-2	1670	2640	525	405
DV/DVS120-6-1	1670	2640	525	405
DV/DVS120-6	1670	2635	588	435
DV/DVS120-7-2	1830	2795	588	435
DV/DVS120-7-1	1830	2795	588	435
DV/DVS120-7	1830	2795	588	435

Model	Power (kW)	Q(m³/h)	60	70	80	90	100	110	120	130	140	150
DV/DVS120-1	11	H(m)	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15
DV/DVS120-2-2	15		34	33.6	33	31	30.5	30	28.5	27	25	24
DV/DVS120-2-1	18.5		41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5
DV/DVS120-2	22		46	45	44.5	43.5	42.4	41	40	38	36	33.5
DV/DVS120-3-2	30		57	56	55	53.5	52	51	49	46.5	43.5	41
DV/DVS120-3-1	30		64	63	62	60	58.5	57.5	55.5	52	49	46
DV/DVS120-3	30		69.5	68.5	67.5	66	64.4	62.5	61	57.5	54.5	51
DV/DVS120-4-2	37		80.5	79	78	76	73.5	72	69	66	61.5	58
DV/DVS120-4-1	37		87	86	84.5	82	80	78	76	72	68	64.5
DV/DVS120-4	45		92.5	91	90	88	85.5	83	81	77	73	68.5
DV/DVS120-5-2	45		104.5	103	101	99	96	93	90	85.5	80.5	75.5
DV/DVS120-5-1	45		110.5	109	107.5	105	102	100	97	92	86.5	83
DV/DVS120-5	55		115.5	114	113	110	107.5	104.5	101.5	96	91	86
DV/DVS120-6-2	55		128	125.5	123	121	117.3	113.5	110	104.5	98.5	92.5
DV/DVS120-6-1	55		134	132	130.5	127	124	121	118	111	105	100
DV/DVS120-6	75		139	137	135	132	128.8	126	123	116	110	104
DV/DVS120-7-2	75		151	148	145.5	143	138.6	134	130	123.5	116.5	109
DV/DVS120-7-1	75		156.5	154	152	148.5	144.5	141	137.5	130	123	116.5
DV/DVS120-7	75		162.5	160.5	158.5	155	151	148	145	137	129	123

Performance Curves



Installation Size And Package Information

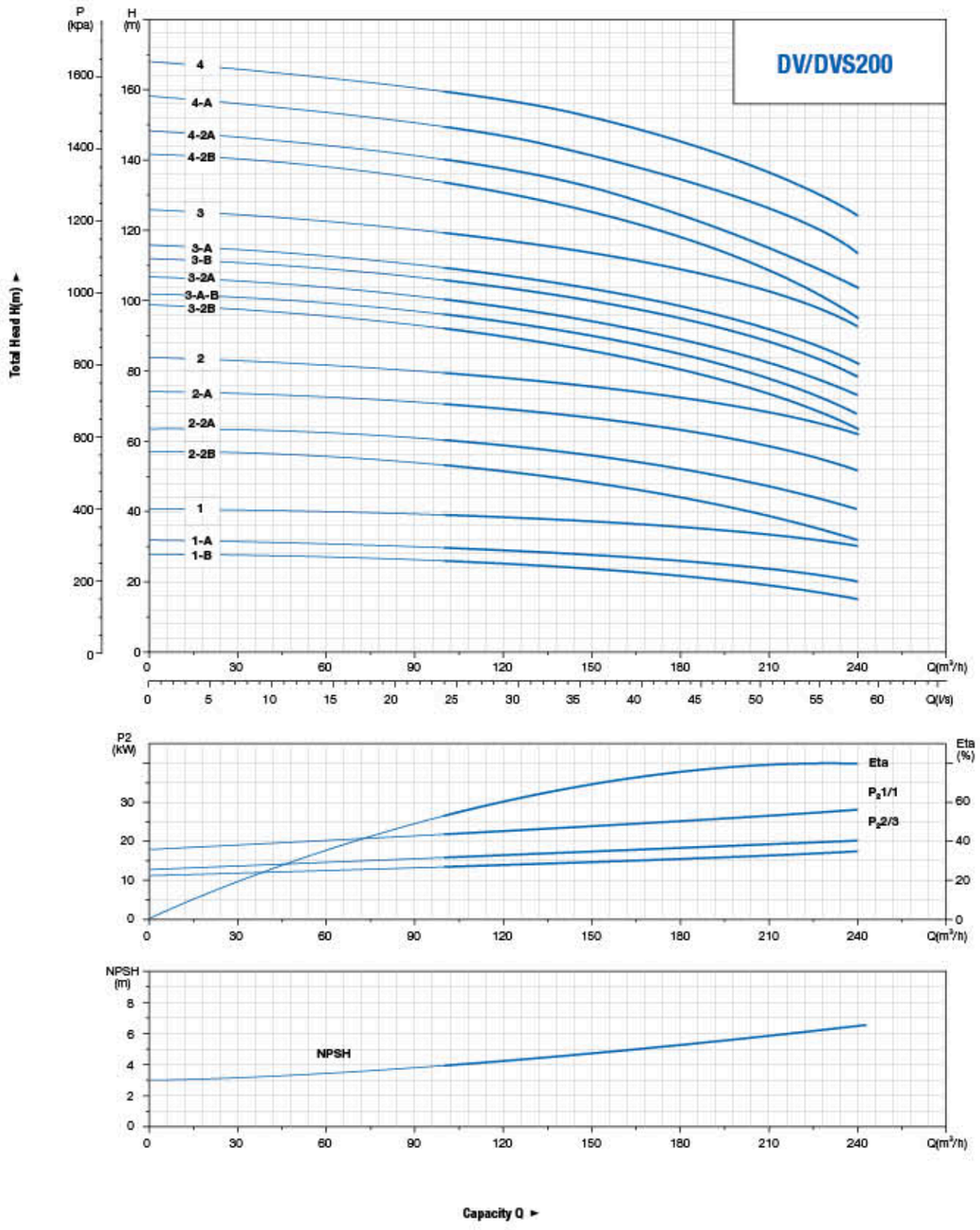


DIN FLANGE(DV/DVS) PN25-40/DN125

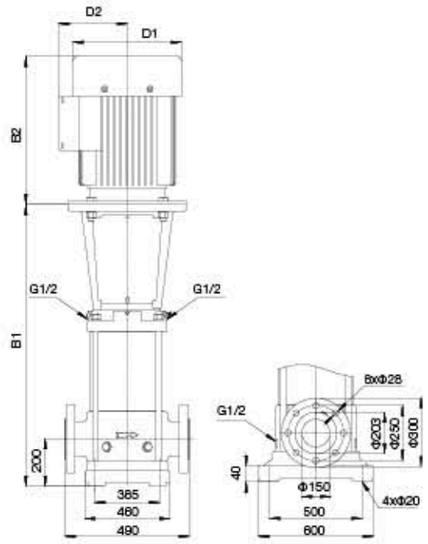
Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS150-1-1	840	1383	350	233
DV/DVS150-1	840	1383	350	233
DV/DVS150-2-2	1000	1587	350	233
DV/DVS150-2-1	1000	1685	365	285
DV/DVS150-2	1000	1825	418	325
DV/DVS150-3-2	1160	1985	418	325
DV/DVS150-3-1	1160	1985	418	325
DV/DVS150-3	1160	1985	418	325
DV/DVS150-4-2	1320	2160	465	350
DV/DVS150-4-1	1320	2160	465	350
DV/DVS150-4	1350	2320	525	405
DV/DVS150-5-2	1510	2480	525	405
DV/DVS150-5-1	1510	2475	588	435
DV/DVS150-5	1510	2475	588	435
DV/DVS150-6-2	1670	2635	588	435
DV/DVS150-6-1	1670	2635	588	435
DV/DVS150-6	1670	2635	588	435

Model	Power (kW)	Q(m³/h)	80	90	100	110	120	130	140	150	160	170	180
DV/DVS150-1-1	11		18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5
DV/DVS150-1	15		24	23	22.5	22	21.5	20.5	20	18.5	17	16	15
DV/DVS150-2-2	18.5		37	35.5	34	33	32	31	29	27.5	26	23	21
DV/DVS150-2-1	22		44.3	43	42	40	39	38.5	37.5	35	33	30	27
DV/DVS150-2	30		50	49	48	47	45.5	44	42	40	37	34	32
DV/DVS150-3-2	30		63.5	61	59	57.5	56	54.5	53	49	45.5	42	39
DV/DVS150-3-1	37		70	68	67	65	63	62	60	56	53	49	45
DV/DVS150-3	37		78	76.5	75	73	70.5	68	66	63	59	55	50.5
DV/DVS150-4-2	45	H(m)	89	87	84	81.5	79	77	74.5	70.5	65.5	60	56
DV/DVS150-4-1	45		96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62
DV/DVS150-4	55		104	102	100	97	95	91	88	84	79.5	74	68
DV/DVS150-5-2	55		115.5	112	109	106	102.5	100	97	92	86	79	73.5
DV/DVS150-5-1	75		122.5	119.5	117	113.5	111.5	107.5	104.5	99	93.5	87	80
DV/DVS150-5	75		130	127.5	125	121	119	115	111.5	106.5	101	94.5	86.5
DV/DVS150-6-2	75		140	137	133	130	126	121	118	112	106	98	91
DV/DVS150-6-1	75		148.5	145	141.7	137.5	135	131	127	120.5	114.5	106.5	97.5
DV/DVS150-6	75		157	153	149	145	142	139.5	137	130	123.5	116	109

Performance Curves



Installation Size And Package Information



DIN FLANGE(DV/DVS) PN25-40/DN150

Model	Dimension (mm)			
	B1	B1+B2	D1	D2
DV/DVS200-1-B	907	1494	350	233
DV/DVS200-1-A	907	1592	365	285
DV/DVS200-1	907	1732	418	325
DV/DVS200-2-2B	1101	1926	418	325
DV/DVS200-2-2A	1101	1941	465	350
DV/DVS200-2-A	1131	2101	525	405
DV/DVS200-2	1131	2101	525	405
DV/DVS200-3-2B	1325	2290	588	435
DV/DVS200-3-A-B	1325	2290	588	435
DV/DVS200-3-2A	1325	2290	588	435
DV/DVS200-3-B	1325	2290	588	435
DV/DVS200-3-A	1325	2290	588	435
DV/DVS200-3	1325	2322	588	435
DV/DVS200-4-2B	1519	2516	588	435
DV/DVS200-4-2A	1519	2734	620	555
DV/DVS200-4-A	1519	2734	620	555
DV/DVS200-A	1519	2734	620	555

Model	Power (kW)	Q(m³/h)	100	120	140	160	180	200	220	240
DV/DVS200-1-B	5	H(m)	25.5	25	24	23	21.5	20	18	15.5
DV/DVS200-1-A	22		29	28.5	27.5	26.5	25.5	24	22	20
DV/DVS200-1	30		38.5	38	37.5	36.5	35	34	32.5	30
DV/DVS200-2-2B	37		53	51	49	47	44	41	37	32
DV/DVS200-2-2A	45		59.5	58	56	54	52.5	49	44.5	40.5
DV/DVS200-2-A	55		69	68	66	64	62	59	55.5	51
DV/DVS200-2	55		78.5	77.5	76	74	71.5	69	66	61.5
DV/DVS200-3-2B	75		91.5	89	86.5	83.5	79	75	70	63
DV/DVS200-3-A-B	75		95	93	90	87	83.5	79	73.5	67
DV/DVS200-3-2A	75		99.5	97.5	94.5	91.5	89	84	78.5	72
DV/DVS200-3-B	75		104.5	102.5	100	97	93	89	84.5	77.5
DV/DVS200-3-A	75		108	106	103.5	100.5	97.5	93	88	81.5
DV/DVS200-3	90		117.5	116	113.5	110.5	107	103	99	92
DV/DVS200-4-2B	90		131.5	129	125.5	121	115.5	110	103.5	94
DV/DVS200-4-2A	110		138.5	136	132	128	124	118	111	102.2
DV/DVS200-4-A	110		148	145.5	142.5	138	134	128	122	113
DV/DVS200-4	110		157.5	155.5	152.5	148	143.5	138	132.5	123.5

ELP

Economic Vertical Multistage Pump



CMI Use

Private House

Industrial Use

Overview

ELP(m) economical multi-stage centrifugal pump is a specially developed water treatment series. It is mainly composed of motor, impeller, guide vane, pump barrel, pump body, mechanical seal and other parts. The motor is a single-phase or three-phase asynchronous motor, and the impeller is of PPO material. It has the characteristics of high efficiency, low noise, stable operation, etc.
Compact structure as a whole, simple to install, and easy to use and maintain. It is widely used in water treatment systems.

Application

Water supply: Pressure boosting for main pipes and high-rise buildings;
Industrial pressure boosting: Water system, cleaning system, high pressure washing system and firefighting system;
Pressure boosting for pressure tank, sprinkling irrigation and trichling irrigation;
Air conditioner, cooling system and industrial cleaning.

Model Instruction

ELP 2 - 9 (m)

- Single phase(Omitted for three phase)
- Impeller stages
- Rated flow (m^3/h)
- Economic vertical multistage pump

Operating Environment

Liquid temperature:+4~+60°C
Max. ambient temperature: 50°C
pH: 6.5~8.5
Ratio of solid in liquid: 0.1%, dia.less than 0.2mm
Max. operating pressure: 15bar
Altitude up to 1000m

Motor

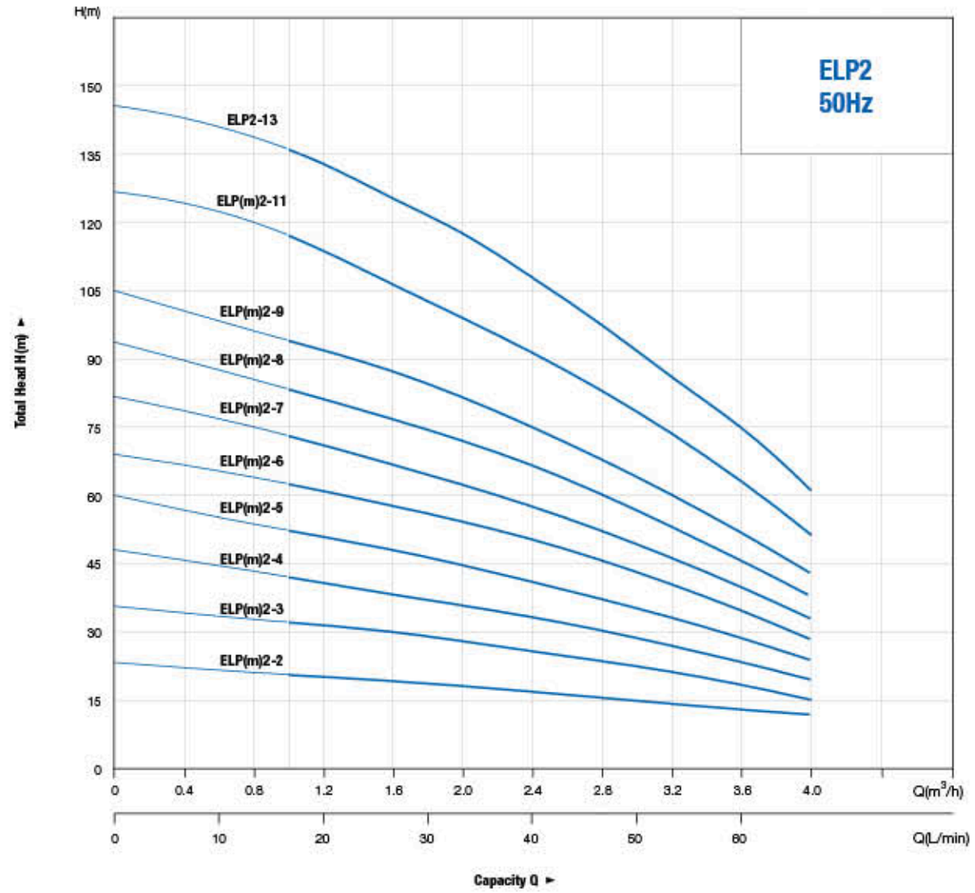
Fully enclosed, air-cooled motor
Customized lengthen shaft design
Protection class: IP55
Insulation class: F

Model Analysis



NO.	Component	Material	NO.	Component	Material
1	Stator		6	Diffuser	PPO
2	Flange	Cast iron	7	Impeller	PPO
3	O-ring	NBR	8	Pump barrel	AISI304
4	Mechanical seal	Carbon/SiC	9	Long Screw	Steel
5	Shaft	AISI304	10	Pump body	Cast iron

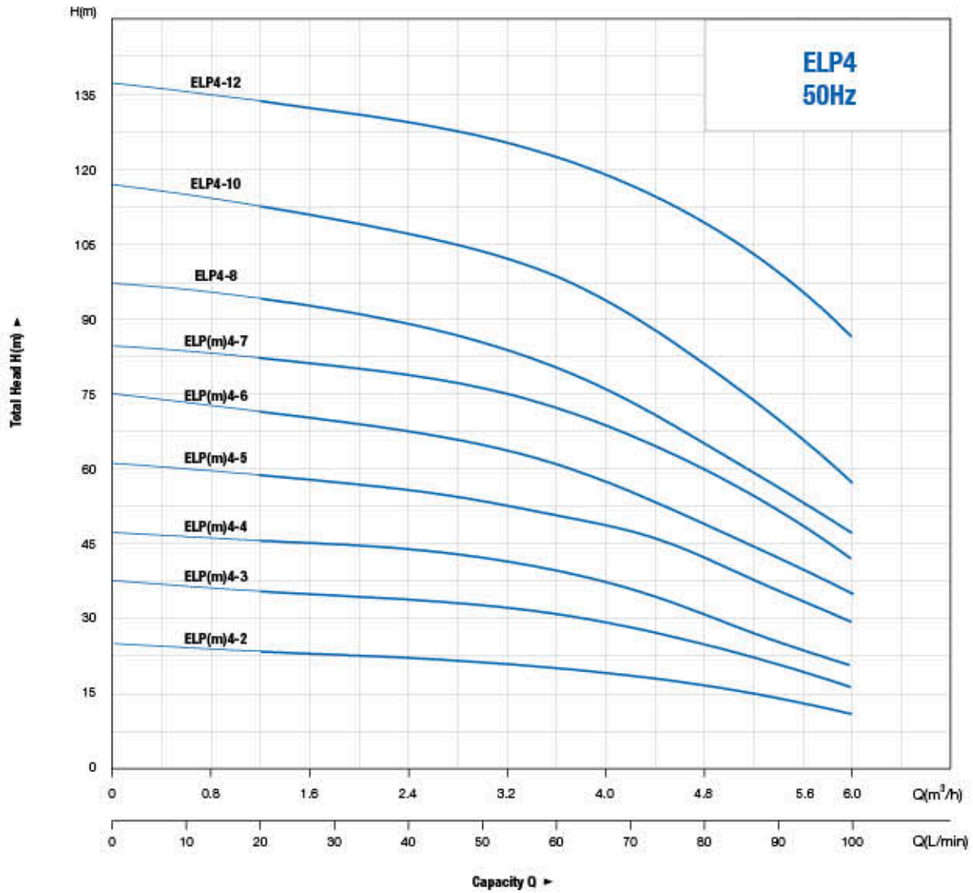
Performance Curves



Technical Table n=3000 r/min

Model	Power (kW)	Q(m^3/h)	0	1	2	3	4
ELP(m)2-2	0.37	H(m)	23	21	18.5	15	10
ELP(m)2-3	0.55		36	32	28	22	16
ELP(m)2-4	0.75		48	42	36	28	20
ELP(m)2-5	1		59	54	45	34	23
ELP(m)2-6	1.1		69	63	53	42	29
ELP(m)2-7	1.1		80	75	65.5	51	34
ELP(m)2-8	1.5		91	84	73	57	38
ELP(m)2-9	1.5		102	95	82	65	43
ELP(m)2-11	1.8		125	115	99	79	52
ELP2-13	2.2		140	130	112	90	62

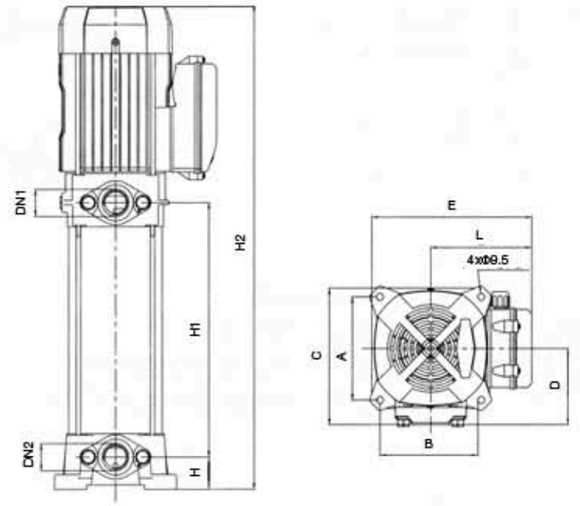
Performance Curves



Technical Table n=3000 r/min

Model	Power (kW)	Q(m³/h)	0	1	2	3	4	5	6
ELP(m)4-2	0.37		24	23	22	20	18	15	10
ELP(m)4-3	0.55		37	36	34	32	29	23	16
ELP(m)4-4	0.75		47	46	45	43	39	31	22
ELP(m)4-5	1		61	59	57	53	48	39	28
ELP(m)4-6	1.1	H(m)	74	72	69	64	58	47	35
ELP(m)4-7	1.1		86	84	81	76	69	56	41
ELP4-8	1.5		98	96	92	85	77	64	47
ELP4-10	1.5		116	113	109	104	96	81	59
ELP4-12	1.8		140	137	132	125	116	104	85

Installation Size And Package Information



Model		DN1	DN2	H	H1	H2	A	B	C	D	E	L
1~	3~	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
ELP(m)2-2	ELP2-2	G1	G2	43.5	128.5	440.5	140	140	185	130.5	230	148
ELP(m)2-3	ELP2-3				152.5	464.5						
ELP(m)2-4	ELP2-4				176.5	488.5						
ELP(m)2-5	ELP2-5				200.5	512.5						
ELP(m)2-6	ELP2-6				224.5	536.5						
ELP(m)2-7	ELP2-7				248.5	560.5						
ELP(m)2-8	ELP2-8				272.5	584.5						
ELP(m)2-9	ELP2-9				296.5	608.5						
ELP(m)2-11	ELP2-11				344.5	656.5						
/	ELP2-13				392.5	704.5						
ELP(m)4-2	ELP4-2	G1	G2	43.5	128.5	401	140	140	185	130.5	230	148
ELP(m)4-3	ELP4-3				152.5	425						
ELP(m)4-4	ELP4-4				176.5	487						
ELP(m)4-5	ELP4-5				200.5	511						
ELP(m)4-6	ELP4-6				224.5	535						
ELP(m)4-7	ELP4-7				248.5	559						
/	ELP4-8				272.5	583						
/	ELP4-10				320.5	631						
/	ELP4-12				368.5	720						144

DPR

Cold & Hot Water Circulation Inline Pump

CMI Use

Private House

Industrial Use



Application

High building water supply and pressurization
Pipeline booster system
HVAC and heating system
Cold & hot water circulation
Boiler water supply
Industrial circulation system

Features

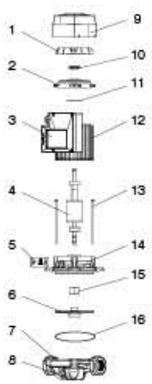
IP 55 entire closed air cooling motor
High water temperature resistance up to 105ºC
Wide voltage ranges 180~240V, 345~415V
Ultra tolerant voltage operation and ultra-low voltage start
SSI304 impeller and stainless fabricated shaft
Excellent rust resistance and long service life span
No secondary pollution
Protection class: IP55
Insulation class: F

Model Instruction

DPR 25 - 14 - 0.37 (S)

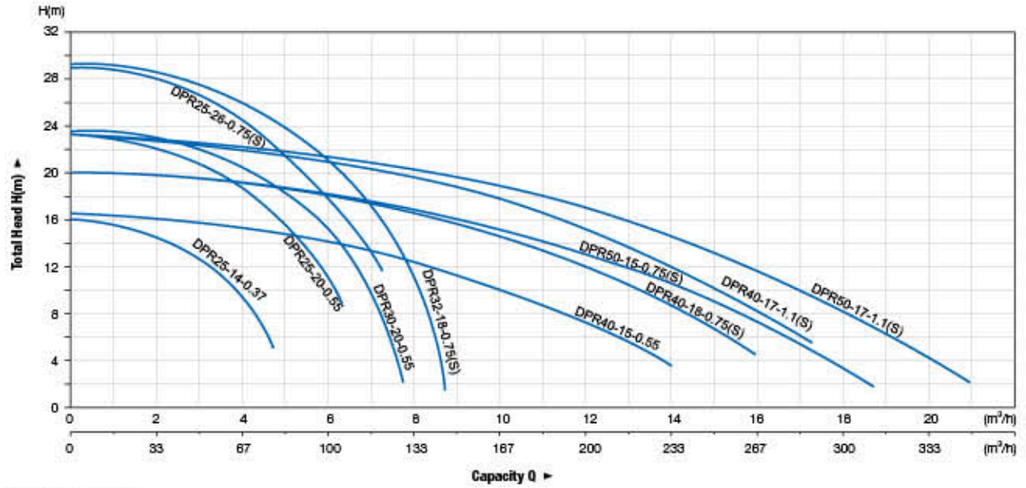
- Three phase with S
- Rated power of motor (kW)
- Rated head (m)
- Rated flow (m³/h)
- Series code

Model Analysis



NO.	Component	Material	NO.	Component	Material
1	Fan	Plastic	9	Fan cover	Q235
2	End cover	HT200	10	Gasket	NBR
3	Terminal box	ABS	11	Wavewasher	SSI201
4	Rotor	SSI304+45#	12	Motor	Combined
5	Guard plate	SSI304	13	Screw	SSI201
6	Impeller	SSI304	14	Connector	HT200
7	Pump body	HT200	15	Mechanical seal	Ceramic+SSI+ fluororubber
8	Drain plug	Copper	16	O-ring	EPDM

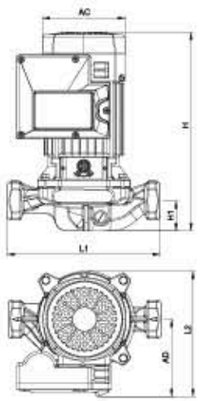
Performance Curves



Technical Table

Model	Outlet diameter / Inlet diameter	Flow (m³/h)	Max.Flow (m³/h)	Head (m)	Max.Head (m)	Power (KW)
DPR25-14-0.37	25/25	2	4.5	14	16	0.37
DPR25-20-0.55	25/25	3	6.5	20	23	0.55
DPR25-26-0.75(S)	25/25	3	7.5	26	29	0.75
DPR30-20-0.55	32/32	3	7.5	20	23	0.55
DPR32-18-0.75(S)	32/32	6	8.5	18	29	0.75
DPR40-15-0.55	40/40	4	14	15	16.5	0.55
DPR40-18-0.75(S)	40/40	6	16	18	20	0.75
DPR40-17-1.1(S)	40/40	10	17.5	17	23	1.1
DPR50-15-0.75(S)	50/50	10	18.5	15	20	0.75
DPR50-17-1.1(S)	50/50	11	20	17	23	1.1

Inatallation Method And Size



Model	L1	L2	H1	H	AC	AD	Outlet	Weight (kg)	Packaging Size(mm)	QTY /20GP
DPR25-14-0.37	215	175	42	280	116	107	1"	7.9	320×255×220	1472
DPR25-20-0.55	255	199	44	335	136	121	1"	13	405×310×265	794
DPR25-26-0.75(S)	275	199	55	345	136	121	1"	14.4	405×310×265	794
DPR30-20-0.55	255	199	44	335	136	121	1.2"	13	405×310×265	794
DPR32-18-0.75(S)	275	199	55	345	136	121	1.2"	14.4	405×310×265	794
DPR40-15-0.55	315	199	70	405	136	121	1.5"	20.4	460×305×255	739
DPR40-18-0.75(S)	315	199	70	405	136	121	1.5"	21.3	460×305×255	739
DPR40-17-1.1(S)	315	199	70	405	136	121	1.5"	23.6	460×305×255	739
DPR50-15-0.75(S)	315	199	70	405	136	121	2"/flange2"(PN6)	20.5	460×305×255	739
DPR50-17-1.1(S)	315	199	70	405	136	121	2"/flange2"(PN6)	22.8	460×305×255	739

Note: The installation size of L1 will be 260mm after changing 2" screw outlet with flange

DP

Vertical In-line Pump



CMI Use

Private House

Industrial Use

Application

Transferring for clean water and other liquids
Water supply system, filtration and transportation
Pressure boosting and domestic hot water circulation
Industrial application and equipment supporting system
HVAC and Fire Fighting System
Agricultural water irrigation, etc.

Operating Conditions

Max. ambient temperature: 50°C
Liquid temperature range: 0°C~90°C
Max.operating pressure: 16 bar

Pump

Pump casing with anti-corrosive coating
Cast iron Impeller
AISI304 stainless steel shaft
NSK bearing
Wear resistance mechanical seal

Motor

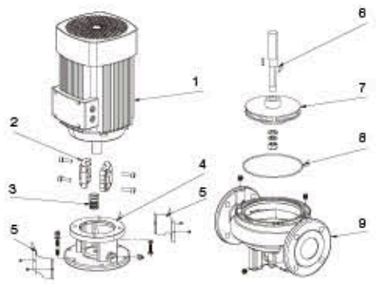
IE3 high-efficiency motor
Protection class: IP55
Insulation class: F

Model Instruction

DP 50 - 35 - 5.5 / 2

- 2 — Number of motor poles
- 5.5 — Rated power (kW)
- 35 — Rated flow (m³/h)
- 50 — Outlet/Inlet Diameter (mm)
- DP — Inline circulation pump

Model Analysis



NO.	Component	Material	NO.	Component	Material
1	Motor	Housing -Aluminum Winding -copper	6	Pump shaft	AIS1420
2	Couplings	QT400	7	Impeller	HT200
3	Mechanical seal	Carbon/SiC/FPM	8	O-ring	NBR
4	Connector	HT200	9	Pump body	HT200
5	Guard plate	AISI304			

Estimation of Loss of Piping and Piping Accessories

Pipe Dia. (mm)	Flow rate (L/s)																									
	0.5	1	2	4	6	8	10	15	20	25	30	40	50	60	70	80	90	100	110	120	130	140	160	180	200
25	7.73	30.9	30.9																						
38	0.72	2.87	2.87	45.9																					
50		0.81	0.81	12.9	2.91																				
65			0.38	3.24	7.29	13.0	20.2																		
75				1.53	3.44	6.12	9.56	21.5																	
100				0.34	0.77	1.36	2.13	4.78	8.50	13.3	19.1														
125					0.24	0.43	0.67	1.50	2.67	4.17	6.00	10.7													
150						0.17	0.26	0.58	1.04	1.62	2.34	6.00	6.49	9.35											
175							0.12	0.26	0.47	0.74	1.06	1.88	2.94	4.23	5.76	7.53	9.53								
200								0.13	0.24	0.37	0.53	0.95	1.47	2.14	2.91	3.80	4.81	5.93	7.18	8.55					
250									0.08	0.12	0.17	0.30	0.48	0.69	0.93	1.22	1.54	1.90	2.30	2.74	3.22	3.73	4.87	6.17	
300											0.07	0.12	0.19	0.27	0.37	0.48	0.61	0.75	0.91	1.08	1.27	1.47	1.93	2.44	3.00
Pipe Dia. (mm)	1.8	3.6	7.2	14.4	21.6	28.8	36	54	72	90	108	144	180	216	252	288	324	360	396	432	468	504	576	648	720
	Flow rate (m³/h)																								

Unit conversion:
1Pa=1N/m² =10MPa
0.1MPa=10m Water spout=100 kPa=1 kilogram=I atm
P=pgh p Water=1000kg/m³
d: Φ200mm=0.2m
V: 1.73m/s
Q:195.66 m³/h Q=900πd2V(m³/h)

Brief table of friction loss of straight pipe
(for estimation) Pipe 100m The number of meters of straight pipe loss is based on the new cast iron pipe, and the old pipe is doubled.

Maximum Flow Limit for A Certain Pipe Diameter

Pipe Dia. (mm)	Max. Flow (m³/h)	Max. Flow Rate (m/s)
25	3.6	2.04
38	9	2.21
50	15	2.12
65	24	2.01
75	36	2.26
100	66	2.33
125	108	2.44

Note: Line losses increase significantly beyond this

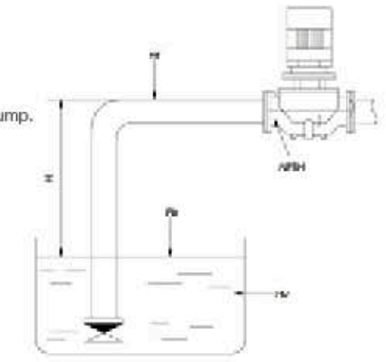
The Straight Pipe Length of Each Valve And Elbow

Type	Converted to Multiples of Pipe Diameter	Remark
Fully open gate valve	13	Doubles if not open
Standard elbow	25	
Check valve	100	
Foot valve	100	Partial blockage doubles

Note: For example, for a 100mm diameter pipe, the bottom valve equivalent to 100 times the diameter is equal to 100x100-100mm=10m straight pipeength, assuming the flow rate is 8L/s, see the table above. If the straight pipe loses 1.3m per 100m, the loss of 10m is 0.13m, that is, when the flow rate of the bottom valve of 100m is 8L/s, the loss of lift is 0.13m.

Minimum Inlet Pressure - NPSH

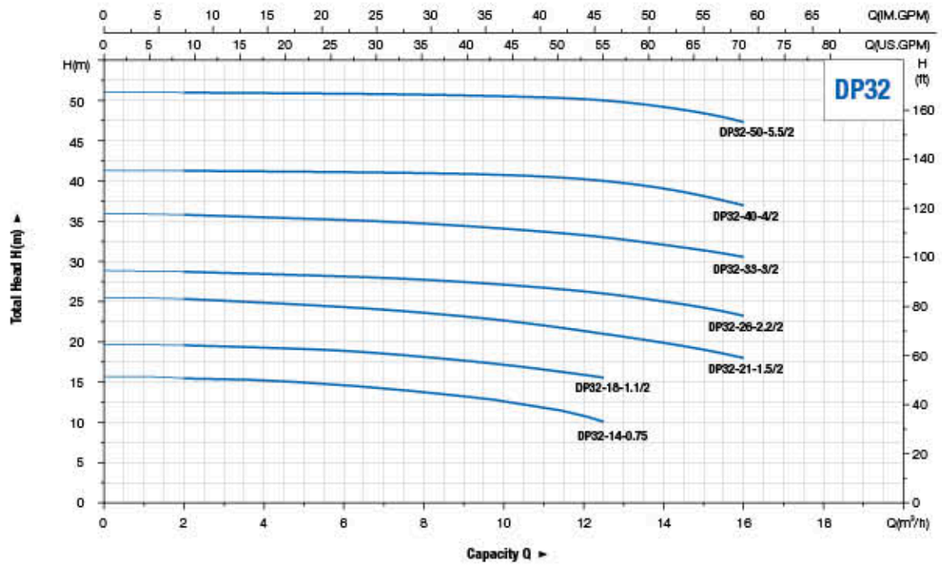
It is recommended to calculate the inlet pressure "H" when the following conditions exist:
High liquid temperature
The flow is significantly greater than the rated flow
Pump water from low
Pumping water from long pipes
Poor import conditions
To avoid cavitation, it is necessary to ensure a minimum pressure on the inlet side of the pump.

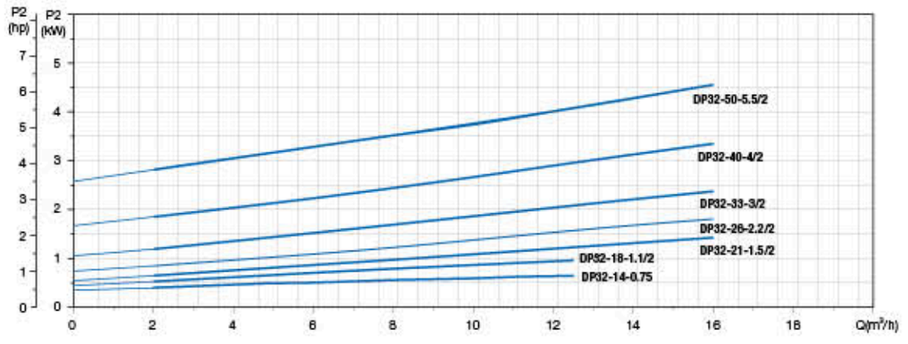


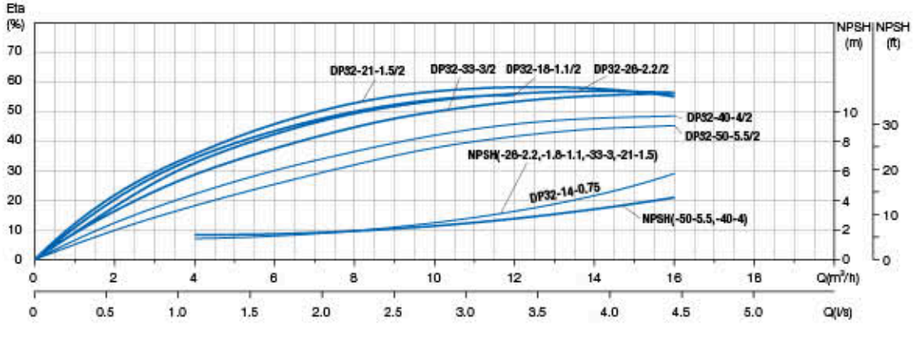
The maximum suction height "H" can be calculated as follows:
H=Pbx10.2-NPSH-Hf-Hv-Hs
Pb is atmospheric pressure in bar
(Can be set to 1bar, in closed system, Pb is system pressure)
NPSH is the net positive suction head of the pump in m; the corresponding value at maximum flow can be read in the graph
Hf is the suction line resistance loss in m (at the maximum flow of the pump)
Hv is the vaporization pressure in m (can be read from the vaporization pressure gauge. Its value depends on the liquid temperature "tm")
Hs is the minimum safety margin of 0.5m
If the calculated "H" is positive, the pump can operate at a maximum suction height of "H"
If the calculated "H" is negative, the pump requires a minimum "H" inlet pressure

NOTE: To avoid cavitation, the pump should be rated away from the right side of the NPSH curve.
Always check the NPSH value of the pump at the highest possible flow

Performance Curves



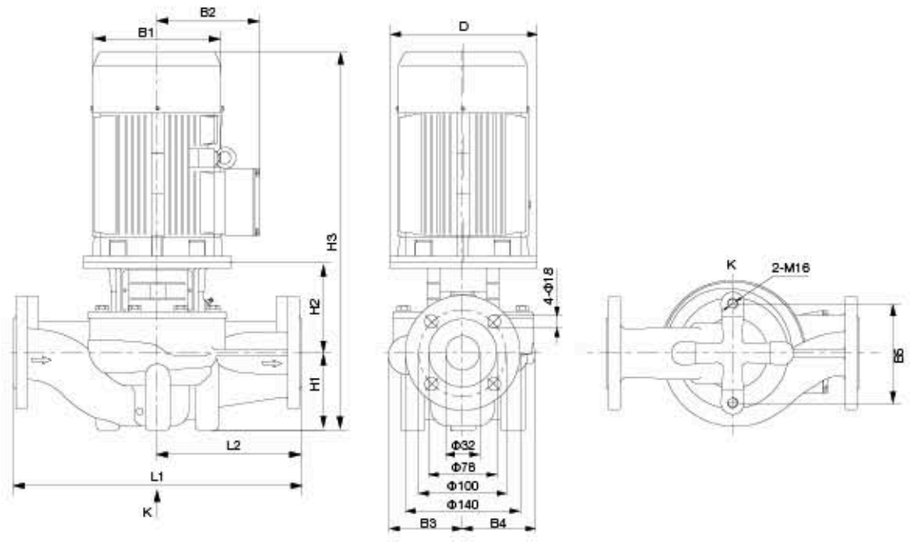




Technical Table

Model	Power (kW)	Q(m³/h)	2	4	6	8	10	12.5	14	16
DP32-14-0.75/2	0.75	H(m)	16	15.7	15.1	14	12.6	9.3	-	-
DP32-18-1.1/2	1.1		19.6	19.3	18.9	18	17.2	14.6	-	-
DP32-21-1.5/2	1.5		25.3	24.9	24.3	23.6	22.6	21	19.9	18
DP32-26-2.2/2	2.2		28.7	28.2	28.1	27.7	27.1	26	25	23.2
DP32-33-3/2	3		35.8	35.5	35.1	34.7	34.1	33	32.1	30.6
DP32-40-4/2	4		41.3	41.2	41.1	41	40.7	40	39.1	37
DP32-50-5.5/2	5.5		51	50.9	50.8	50.7	50.5	50	49.2	47.3

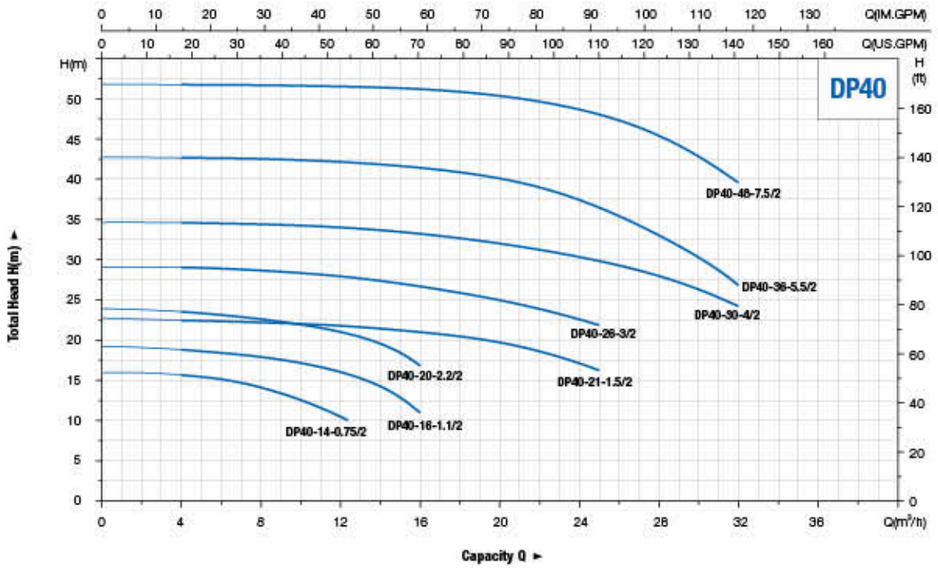
Dimension Drawing

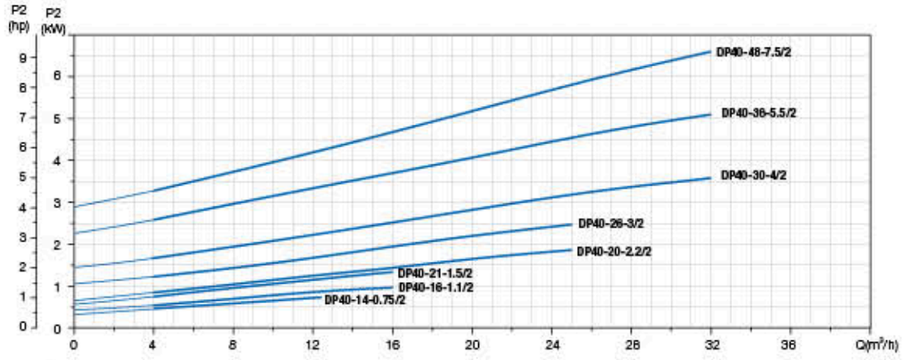


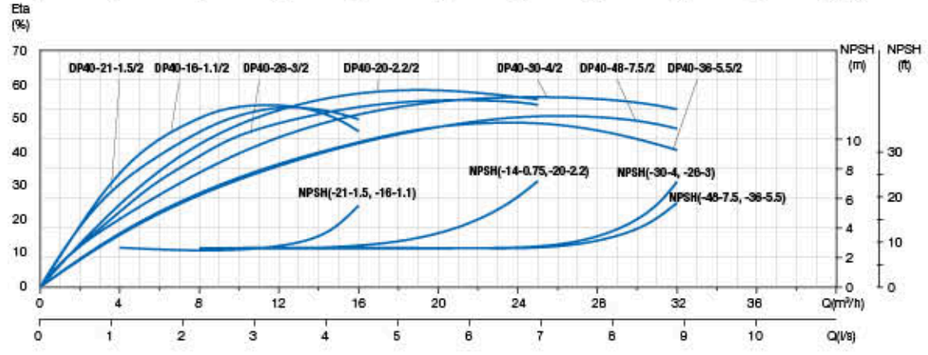
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP32-14-0.75/2	136	155	123	101	101	144	90	135	511	320	160	29
DP32-18-1.1/2	136	155	123	101	101	144	90	135	511	320	160	30
DP32-21-1.5/2	145	168	132	101	101	144	90	137	543	320	160	34
DP32-26-2.2/2	145	168	132	101	101	144	90	137	568	320	160	38
DP32-33-3/2	160	194	161	109	109	144	90	145	627	340	170	46
DP32-40-4/2	160	220	175	128	128	144	100	151	642	360	180	68
DP32-50-5.5/2	200	260	195	128	128	144	100	173	699	360	180	72

Performance Curves



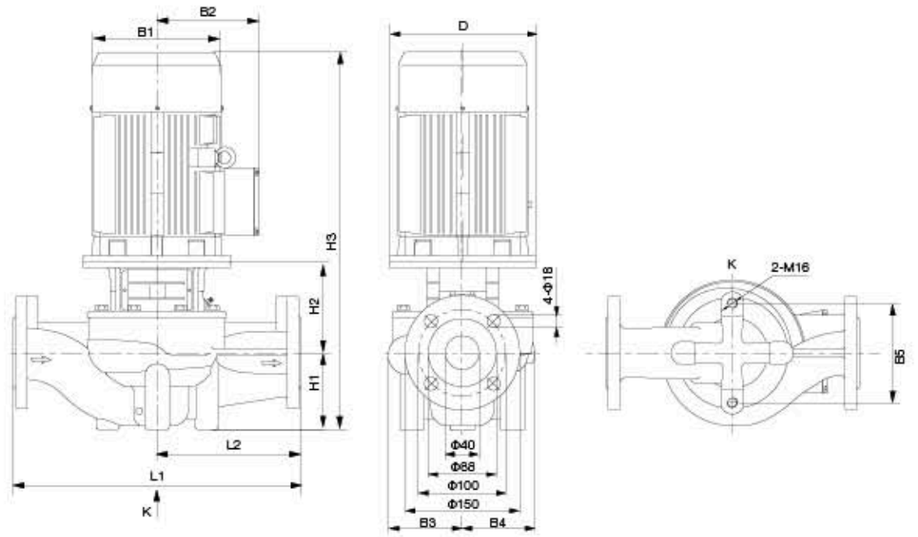




Technical Table

Model	Power (kW)	Q(m³/h)	4	8	12.5	16	20	25	28	32
DP40-14-0.75/2	0.75	H(m)	15.4	14	10.2					
DP40-16-1.1/2	1.1		19.1	18.2	16	11.4	-	-	-	-
DP40-21-1.5/2	1.5		23.8	22.9	21	17.1	-	-	-	-
DP40-20-2.2/2	2.2		22.7	22.5	22	21.3	20	16.6	-	-
DP40-26-3/2	3		29	28.6	27.8	26.7	26	21.9	-	-
DP40-30-4/2	4		34.7	34.5	34.1	33.4	32.2	30	28.2	24.5
DP40-36-5.5/2	5.5		40.9	41	40.7	39.8	38.5	36	34.1	30.5
DP40-48-7.5/2	7.5		51.6	51.6	51.4	51.1	50.3	48	45.4	39.6

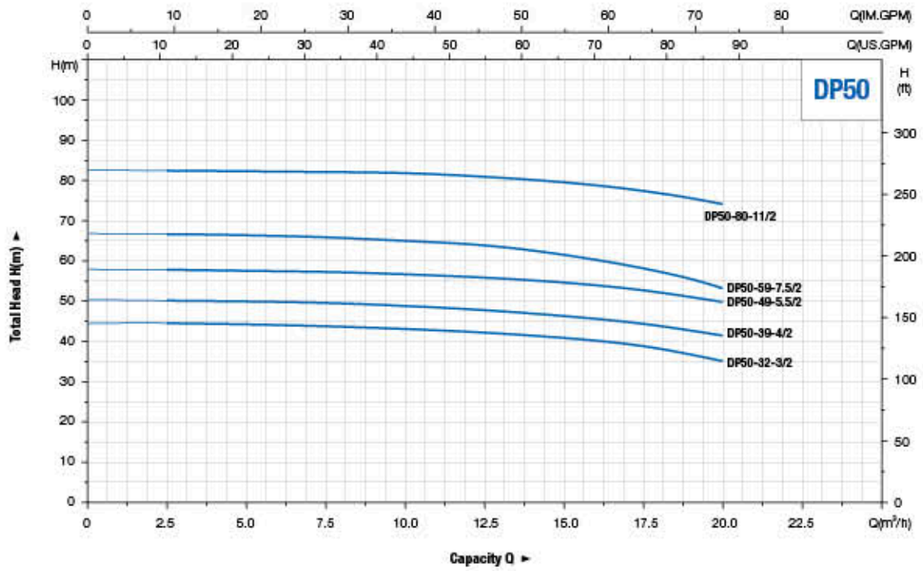
Dimension Drawing

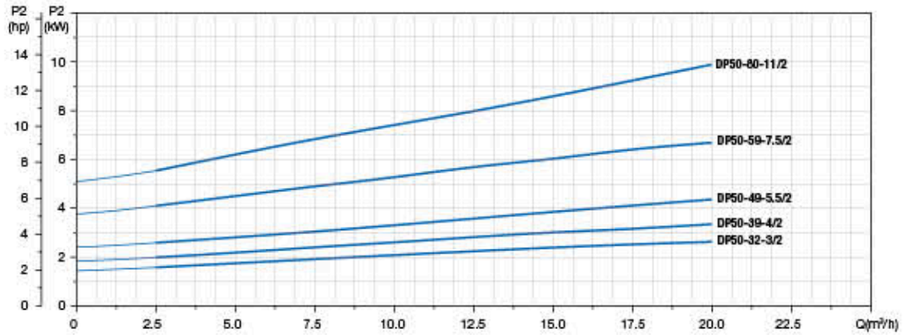


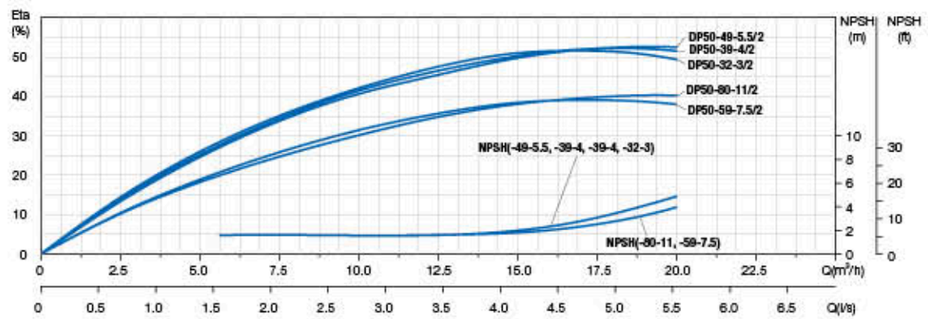
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP40-14-0.75/2	136	155	123	98	95	120	68	139	493	320	160	27
DP40-16-1.1/2	136	155	123	98	95	120	68	139	493	320	160	28
DP40-21-1.5/2	145	168	132	98	95	120	68	149	543	320	160	32
DP40-20-2.2/2	145	168	132	105	95	144	85	144	570	320	160	37
DP40-26-3/2	160	194	161	116	109	144	85	156	633	340	170	46
DP40-30-4/2	160	220	175	116	109	144	85	156	632	340	170	65
DP40-36-5.5/2	200	260	195	133	128	144	90	181	697	380	190	72
DP40-48-7.5/2	200	260	195	133	128	144	90	181	697	380	190	78

Performance Curves



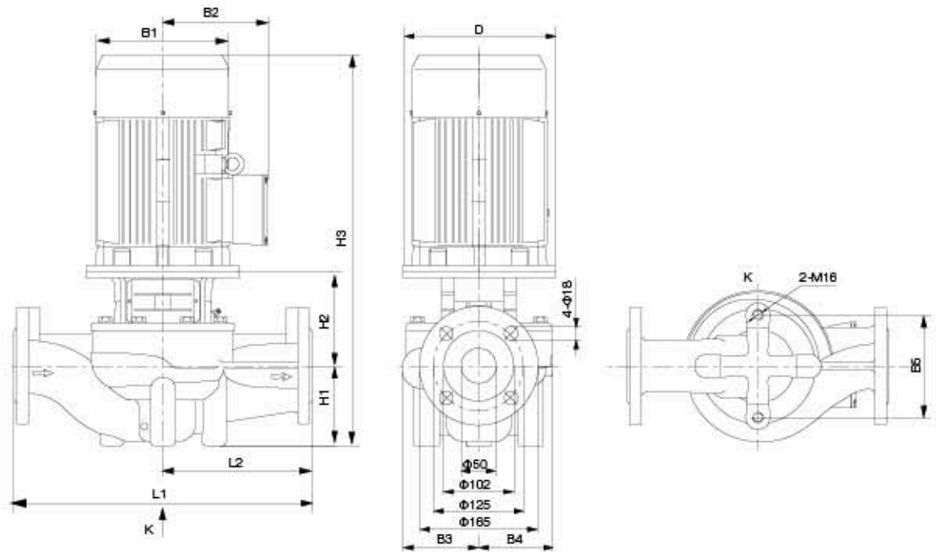




Technical Table

Model	Power (kW)	Q(m³/h)	2.5	5	7.5	10	12.5	15	17.5	20
DP50-32-3/2	3	H(m)	35	34.6	34	33.2	32	30.5	27.9	23.3
DP50-39-4/2	4		41.9	41.7	41.3	40.2	39	37.2	34.8	31.2
DP50-49-5.5/2	5.5		51.6	51.2	50.7	50	49	47.5	45.1	41.5
DP50-59-7.5/2	7.5		62.4	62.1	61.4	60.3	59	56.1	51.9	45.7
DP50-80-11/2	11		81.9	81.7	81.5	81.1	80	78.3	75.7	71.6

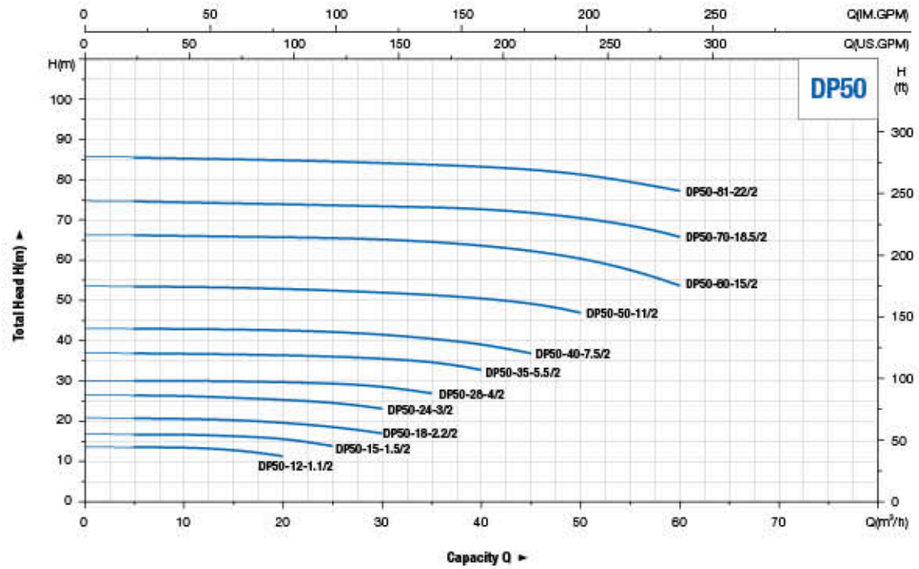
Dimension Drawing

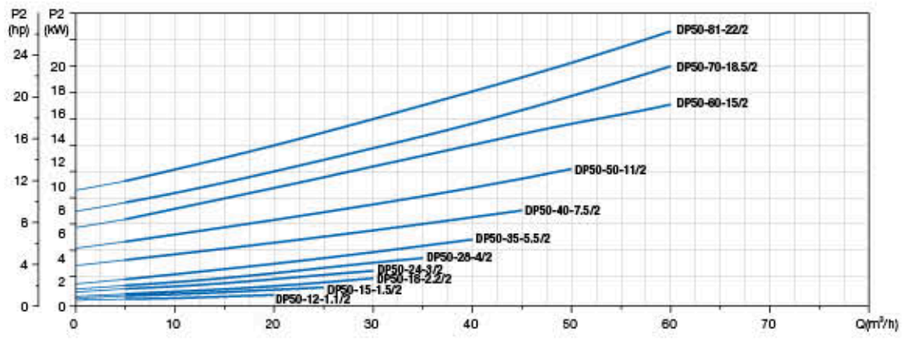


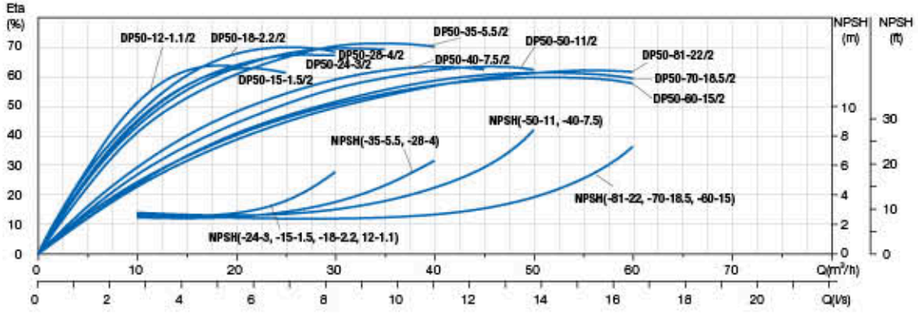
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP50-32-3/2	160	194	161	128	128	144	105	150	647	400	200	53
DP50-39-4/2	160	220	175	128	128	144	105	150	646	400	200	69
DP50-49-5.5/2	200	260	195	128	128	144	105	172	703	400	200	73
DP50-59-7.5/2	200	260	195	163	163	144	105	178	709	440	220	89
DP50-80-11/2	350	311	233	163	163	144	105	222	870	440	220	137

Performance Curves



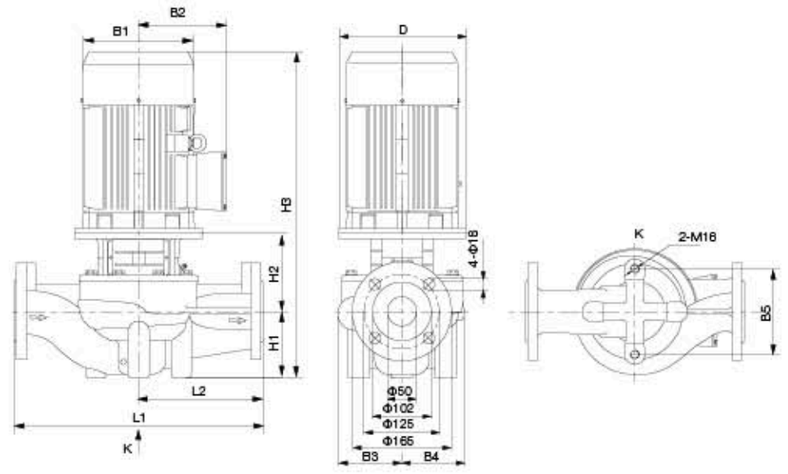




Technical Table

Model	Power (kW)	Q(m³/h)	5	10	15	20	25	30	35	40	45	50	60
DP50-12-1.1/2	1.1		13	12.9	12	10.7	-	-	-	-	-	-	-
DP50-15-1.5/2	1.5		16.1	16.1	15.6	15	13.3	-	-	-	-	-	-
DP50-18-2.2/2	2.2		20.2	20	19.6	19	18	16.4	-	-	-	-	-
DP50-24-3/2	3		25.9	25.7	25.2	24.8	24	22.6	-	-	-	-	-
DP50-28-4/2	4		29.5	29.5	29.3	29.2	28.8	28	26.4	-	-	-	-
DP50-35-5.5/2	5.5	H(m)	36.3	36.2	36	35.9	35.5	35	34.1	32.2	-	-	-
DP50-40-7.5/2	7.5		42.5	42.4	42.2	42.1	41.7	41	40	38.5	36.4	-	-
DP50-50-11/2	11		53	52.9	52.6	52.4	52	51.5	50.9	50	48.7	46.4	-
DP50-60-15/2	15		65.8	65.7	65.7	65.6	65.3	64.7	63.9	62.8	61.6	60	53.2
DP50-70-18.5/2	18.5		73.7	73.6	73.4	73.3	73.1	72.9	72.5	72	71.2	70	65.4
DP50-81-22/2	22		85.5	85.3	85	84.8	84.5	84	83.5	82.8	82.1	81	77.1

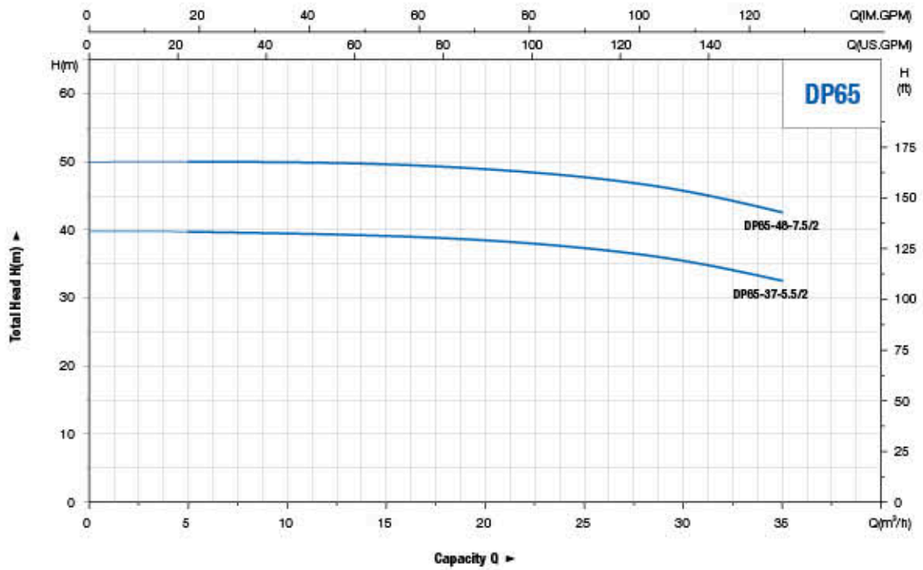
Dimension Drawing

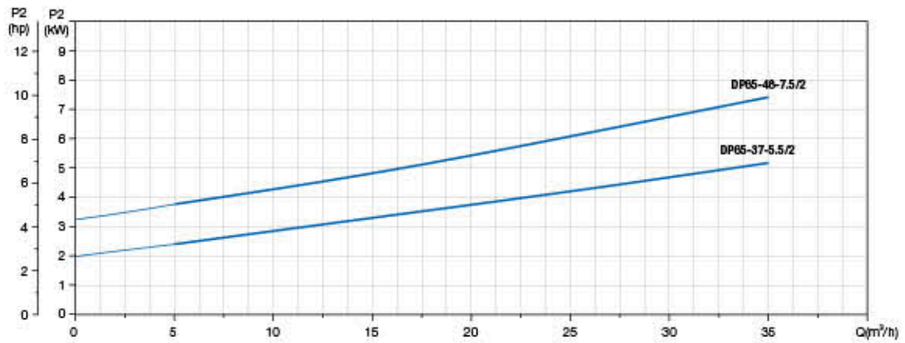


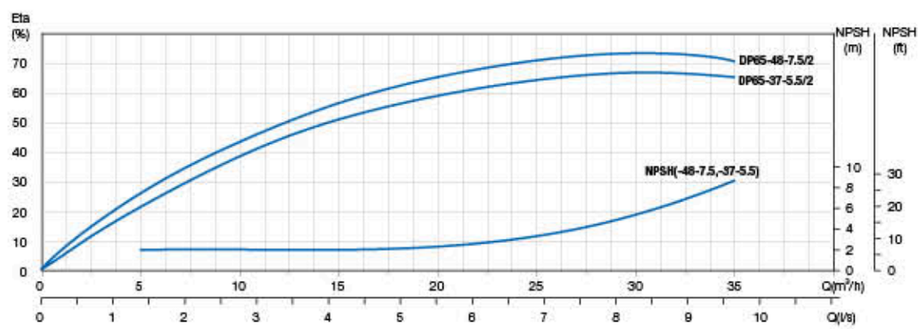
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP50-12-1.1/2	136	155	123	114	101	144	105	135	526	340	170	33
DP50-15-1.5/2	145	168	132	114	101	144	105	137	558	340	170	38
DP50-18-2.2/2	145	168	132	114	101	144	105	137	583	340	170	41
DP50-24-3/2	160	194	161	114	101	144	105	147	644	340	170	48
DP50-28-4/2	160	220	175	118	109	144	105	152	648	340	170	67
DP50-35-5.5/2	200	260	195	118	109	144	105	176	707	340	170	71
DP50-40-7.5/2	200	260	195	142	138	144	105	175	706	400	200	81
DP50-50-11/2	350	311	233	142	138	144	105	225	873	400	200	126
DP50-60-15/2	350	311	233	171	163	144	115	225	883	440	220	148
DP50-70-18.5/2	350	314	251	171	163	144	115	225	882	440	220	161
DP50-81-22/2	350	355	267	171	163	144	115	225	918	440	220	236

Performance Curves



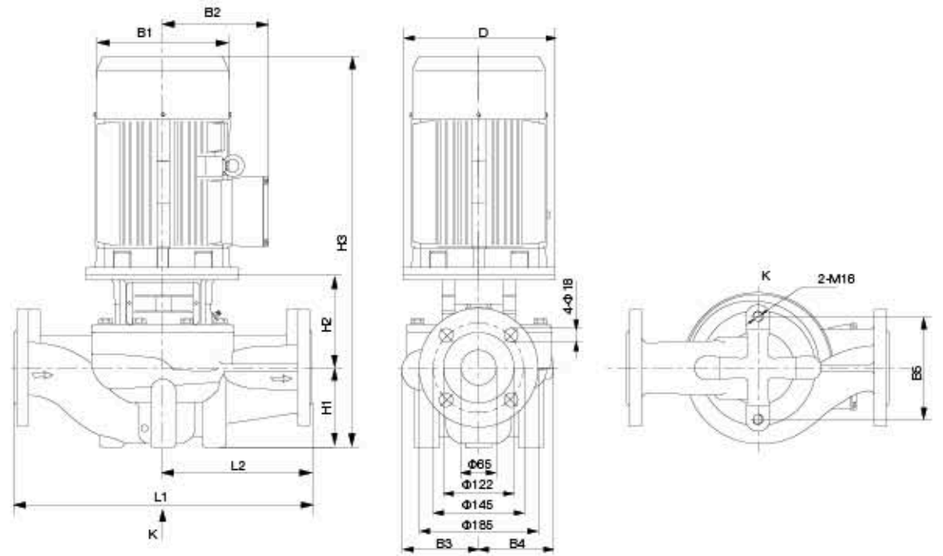




Technical Table

Model	Power (kW)	Q(m³/h)	5	10	15	20	25	30	35
DP65-37-5.5/2	5.5	H(m)	39.6	39.3	39	38.2	37	35	32.1
DP65-48-7.5/2	7.5		50.4	50.3	50	49.3	48	45.9	42.6

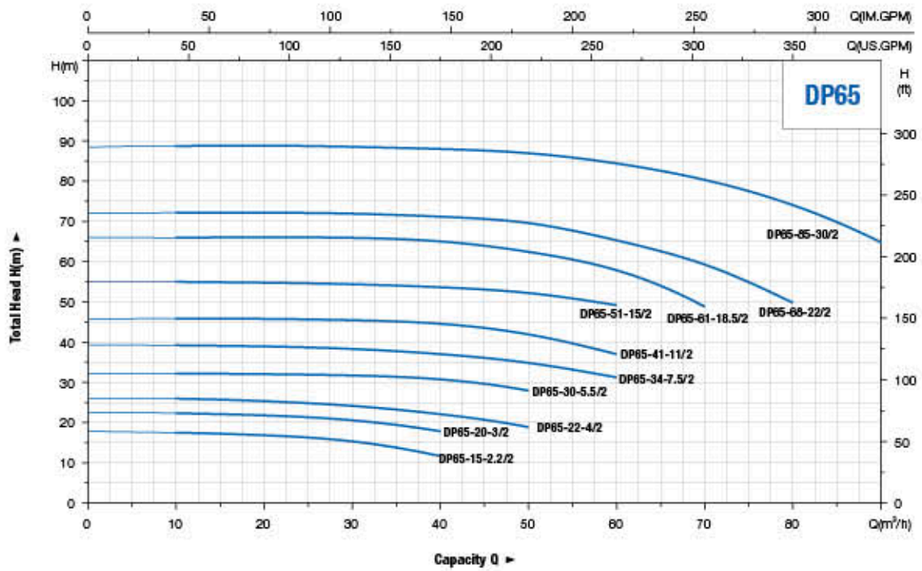
Dimension Drawing

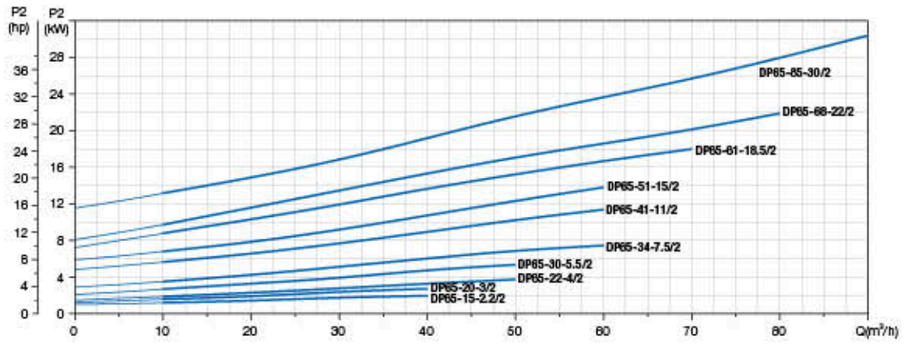


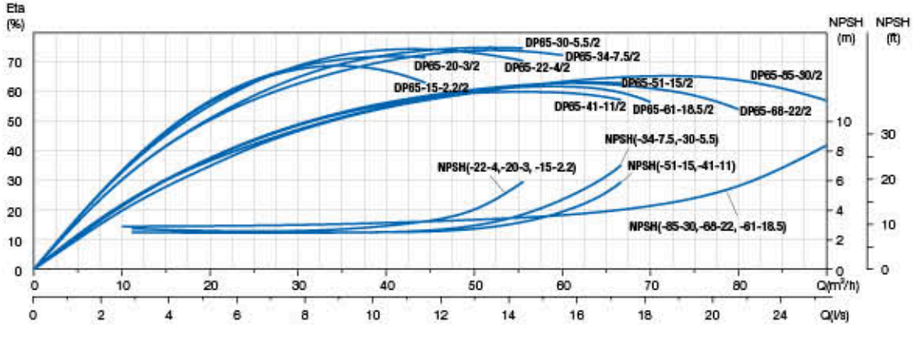
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP65-37-5.5/2	200	260	195	128	128	144	105	180	711	400	200	77
DP65-48-7.5/2	200	260	195	128	128	144	105	180	711	400	200	83

Performance Curves



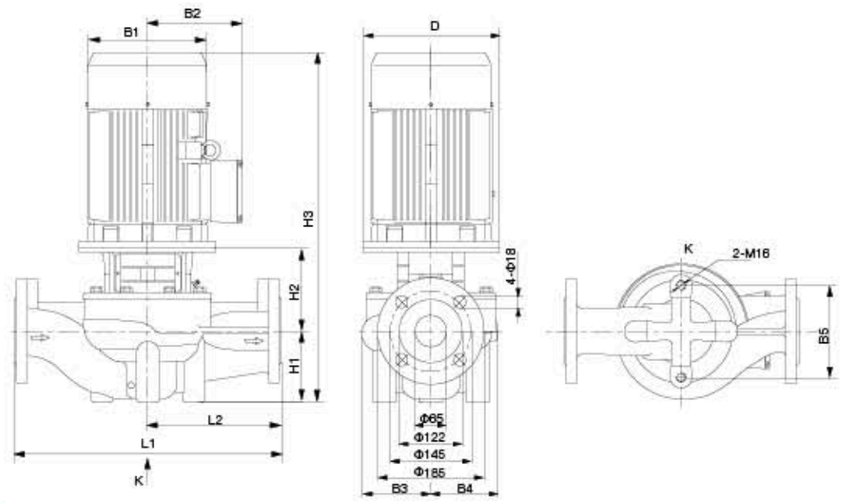




Technical Table

Model	Power (kW)	Q(m³/h)	10	20	30	40	50	60	70	80	90
DP65-15-2.2/2	2.2	H(m)	17.1	16.4	15	11.3	-	-	-	-	-
DP65-20-3/2	3		21.8	21.2	20	17.4	-	-	-	-	-
DP65-22-4/2	4		25.1	24.8	23.9	22	18.4	-	-	-	-
DP65-30-5.5/2	5.5		31.5	31.3	31	30	27.3	-	-	-	-
DP65-34-7.5/2	7.5		38.3	38	37.4	36.1	34	30.5	-	-	-
DP65-41-11/2	11		44.8	44.7	44.4	43.5	41	36.1	-	-	-
DP65-51-15/2	15		53.7	53.5	53.1	52.4	51	48	-	-	-
DP65-61-18.5/2	18.5		64.5	64.6	64.4	63.5	61	56.5	47.6	-	-
DP65-68-22/2	22		70.5	70.5	70.3	69.6	68	63.8	58	48.6	-
DP65-85-30/2	30		86.7	86.7	86.5	86	85	82.5	78.5	72.4	63.3

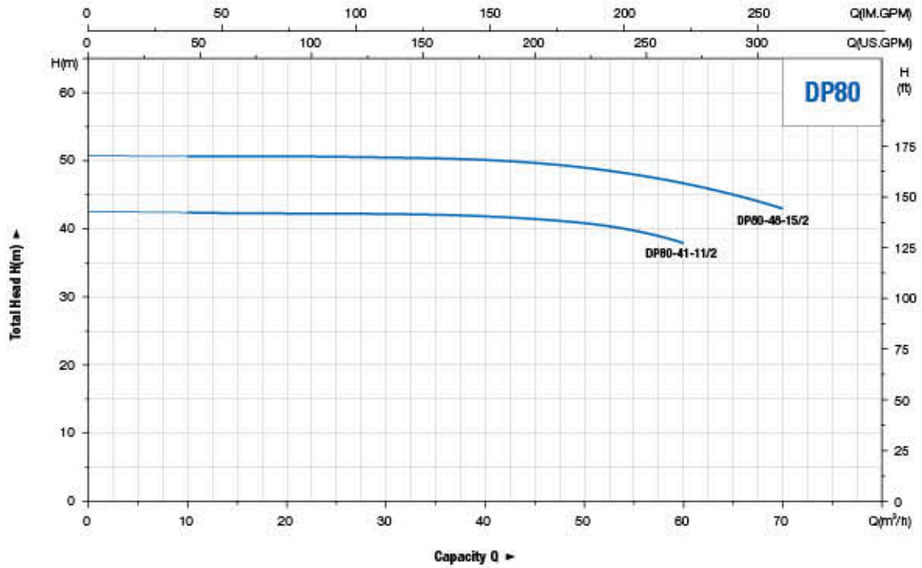
Dimension Drawing

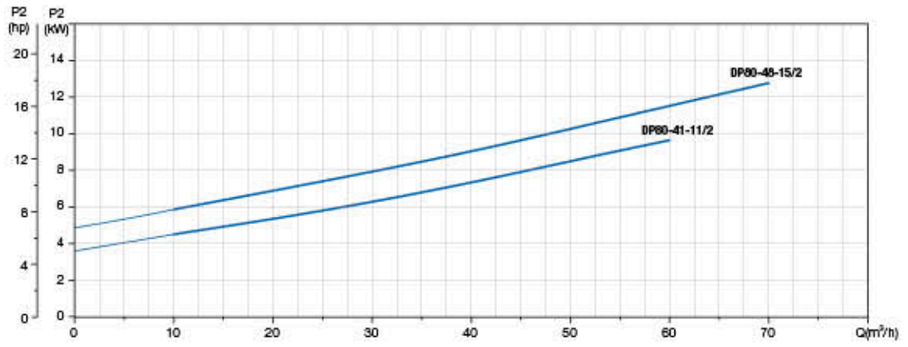


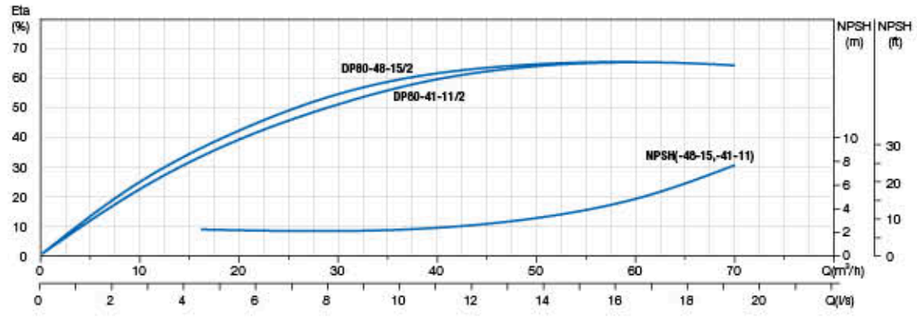
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP65-15-2.2/2	145	168	132	116	101	144	105	153	598.5	340	170	54
DP65-20-3/2	160	194	161	116	101	144	105	163	660	340	170	61
DP65-22-4/2	160	220	175	116	101	144	105	163	659	340	170	78
DP65-30-5.5/2	200	260	195	131	115	144	105	194	725	360	180	74
DP65-34-7.5/2	200	260	195	131	115	144	105	194	725	360	180	80
DP65-41-11/2	350	311	233	148	138	144	105	234	882	400	200	130
DP65-51-15/2	350	311	233	148	138	144	105	234	882	400	200	141
DP65-61-18.5/2	350	314	251	174	162	160	125	228	895	475	238	162
DP65-68-22/2	350	355	267	174	162	160	125	228	931	475	238	238
DP65-85-30/2	400	397	299	174	162	160	125	231	1025	475	238	305

Performance Curves



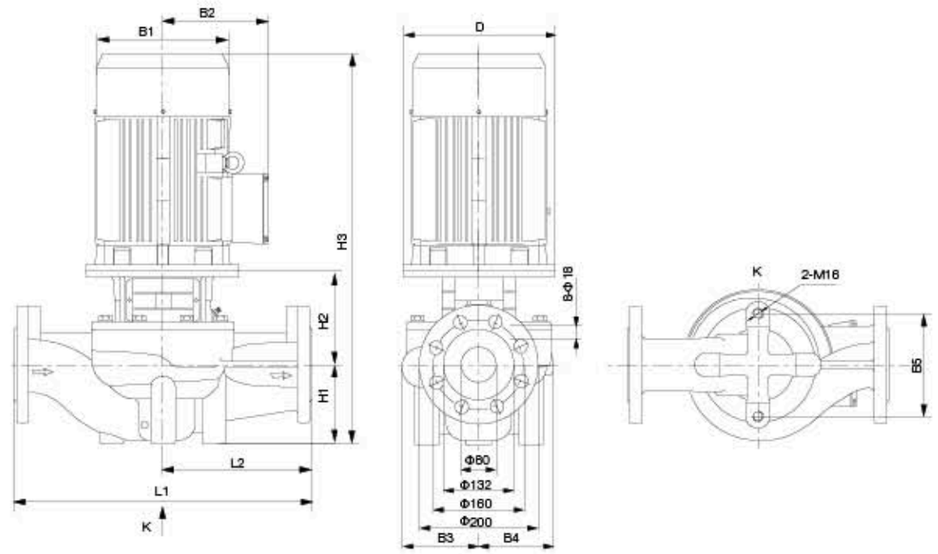




Technical Table

Model	Power (kW)	Q(m³/h)	10	20	30	40	50	60	70
DP80-41-11/2	11	H(m)	42.3	42.2	42.1	41.8	41	38.4	-
DP80-48-15/2	15		49.4	49.4	49.3	49	48	46	42.8

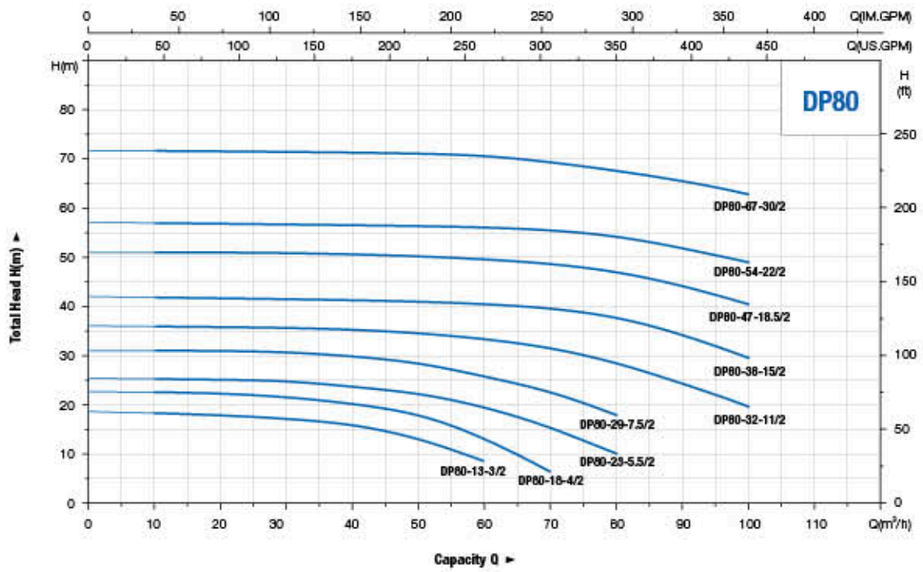
Dimension Drawing

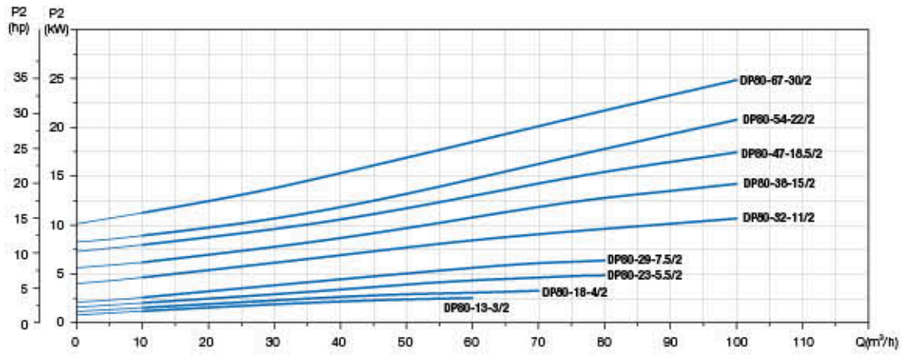


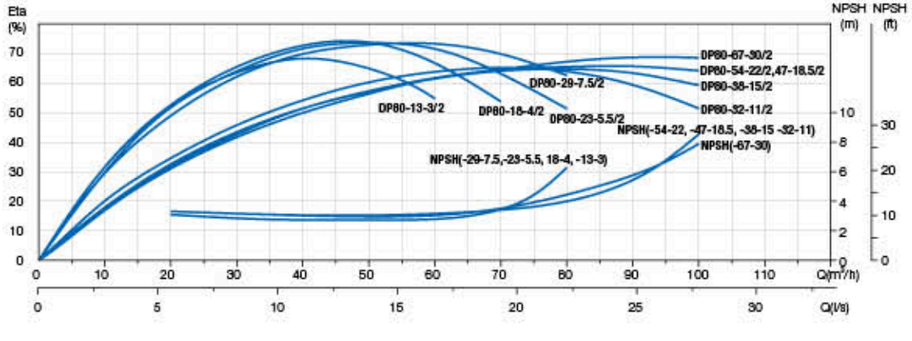
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP80-41-11/2	350	311	233	137	128	144	115	221	879	500	250	132
DP80-48-15/2	350	311	233	137	128	144	115	221	879	500	250	143

Performance Curves



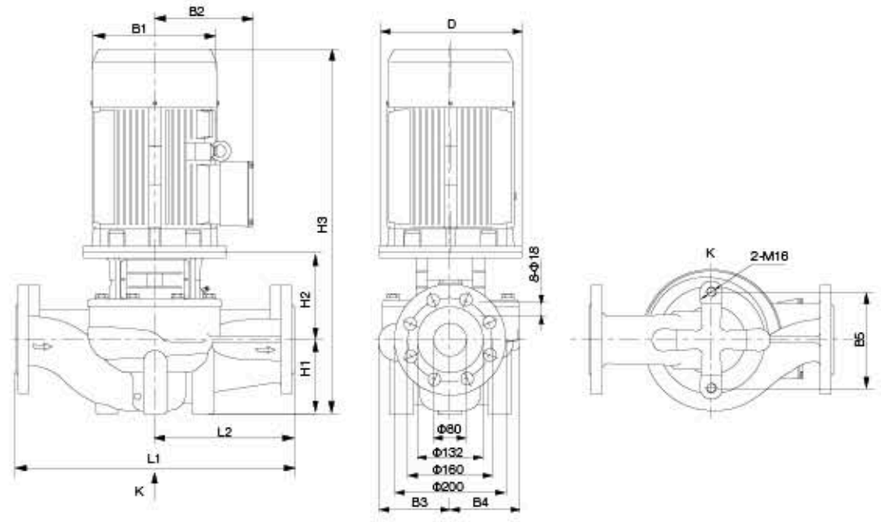




Technical Table

Model	Power (kW)	Q(m³/h)	10	20	30	40	50	60	70	80	90	100
DP80-13-3/2	3		18.9	18.6	17.8	16.3	13	8	-	-	-	-
DP80-18-4/2	4		23.2	23	22.2	20.6	18	12.9	6	-	-	-
DP80-23-5.5/2	5.5		28.2	28	27	25.2	23	19.5	13.9	7.1	-	-
DP80-29-7.5/2	7.5		33	32.8	32.1	30.9	29	26.7	23.2	17.8	-	-
DP80-32-11/2	11	H(m)	36.2	36.2	36	35.6	34.9	33.8	32	28.7	24.4	19.3
DP80-38-15/2	15		45.7	45.9	45.2	45.9	45	43.3	41.1	38	33.8	28.8
DP80-47-18.5/2	18.5		53.2	53.4	53.4	53.2	52.4	51.2	49.4	47	43.2	37.6
DP80-54-22/2	22		59.7	59.9	60	59.8	59.2	58	56.2	54	50.9	46.9
DP80-67-30/2	30		71	70.9	70.8	70.6	70.4	69.9	68.7	67	65	62.3

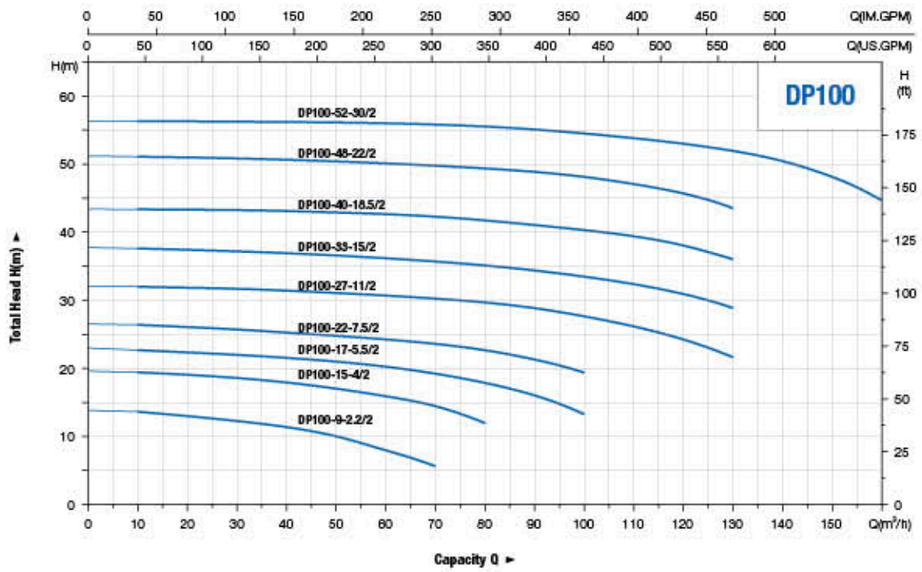
Dimension Drawing

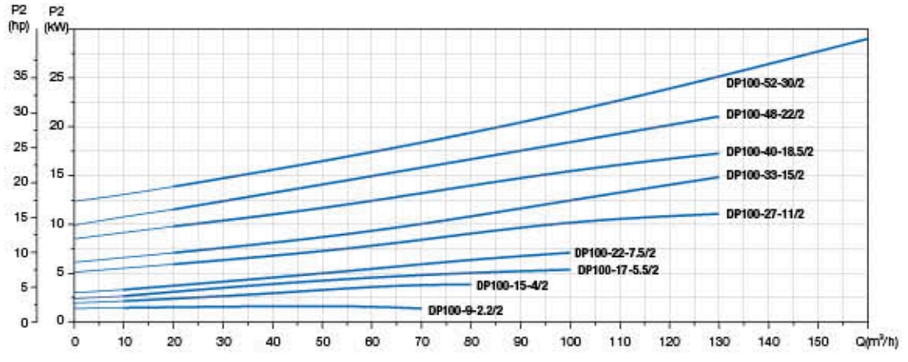


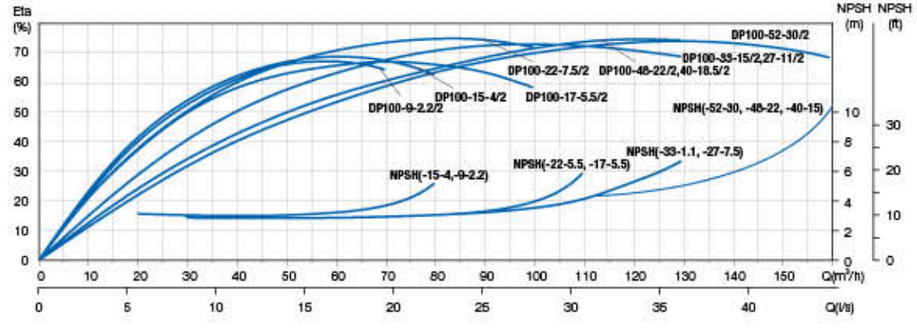
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP80-13-3/2	160	194	161	134	112	144	105	171	668	400	200	55
DP80-18-4/2	160	220	175	134	112	144	105	171	667	400	200	72
DP80-23-5.5/2	200	260	195	134	112	144	105	195	726	400	200	76
DP80-29-7.5/2	200	260	195	134	112	144	105	195	726	400	200	82
DP80-32-11/2	350	311	233	159	138	144	115	240	898	450	225	136
DP80-38-15/2	350	311	233	159	138	144	115	240	898	450	225	147
DP80-47-18.5/2	350	314	251	159	138	144	115	240	897	450	225	159
DP80-54-22/2	350	355	267	159	138	144	115	240	933	450	225	235
DP80-67-30/2	400	397	299	180	162	160	115	242	1026	500	250	308

Performance Curves



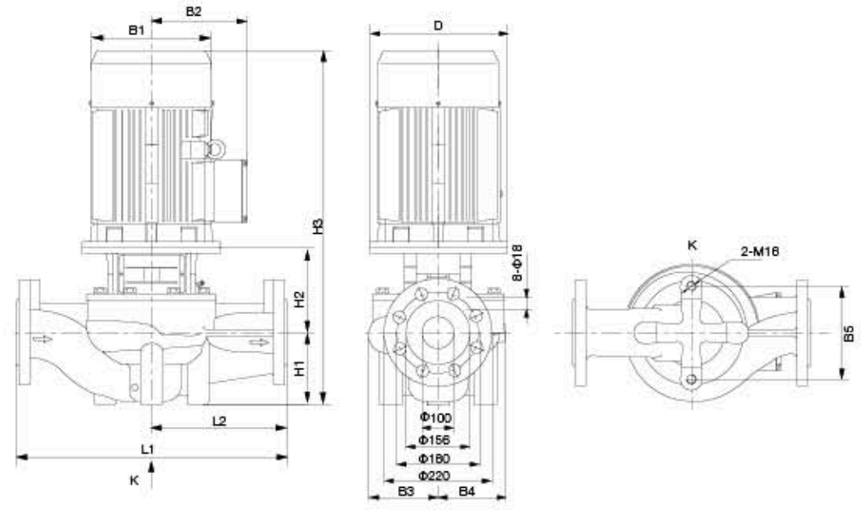




Technical Table

Model	Power (kW)	Q(m³/h)	10	20	30	40	50	60	70	80	90	100	110	120	130	145	160
DP100-9-2.2/2	2.2		13.9	13.2	12.2	10.8	9	6.8	4.4	-	-	-	-	-	-	-	-
DP100-15-4/2	4		18.6	18.2	17.7	17.1	16.2	15	13.4	11	-	-	-	-	-	-	-
DP100-17-5.5/2	5.5		21.9	21.6	21.2	20.8	20	19.4	18.4	17	15.1	12.3	-	-	-	-	-
DP100-22-7.5/2	7.5		25.7	25.5	25	24.6	24.1	23.6	22.9	22	20.5	18.6	-	-	-	-	-
DP100-27-11/2	11	H(m)	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	-	-
DP100-33-15/2	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	-	-
DP100-40-18.5/2	18.5		44.1	44.1	44	43.9	43.7	43.4	42.9	42.1	41.1	40	38.5	36.6	34.3	-	-
DP100-48-22/2	22		51.2	51.1	51	51	50.8	50.6	50.2	49.7	48.9	48	47	45.5	43.5	-	-
DP100-52-30/2	30		59.1	58.9	58.7	58.4	58.2	57.8	57.3	56.9	56.4	55.8	55	53.9	52	47.7	40.8

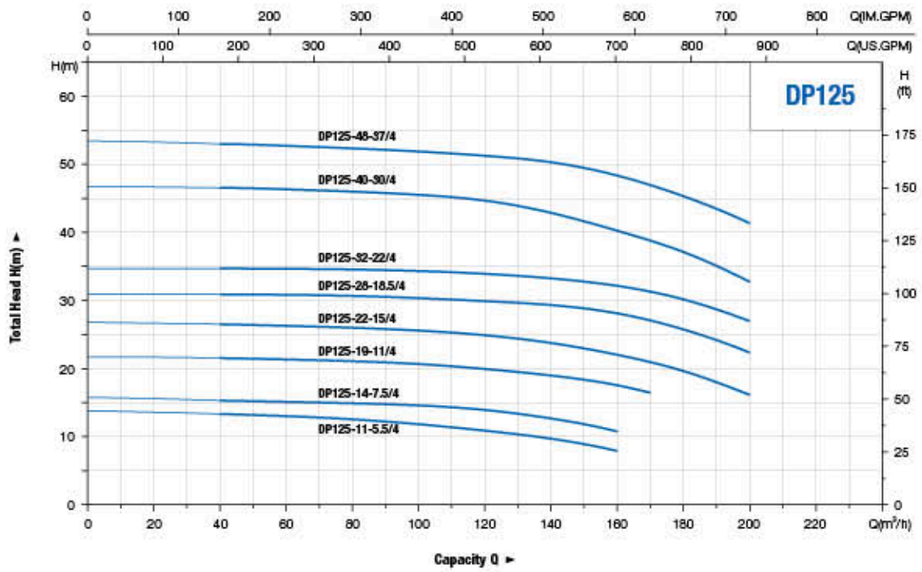
Dimension Drawing

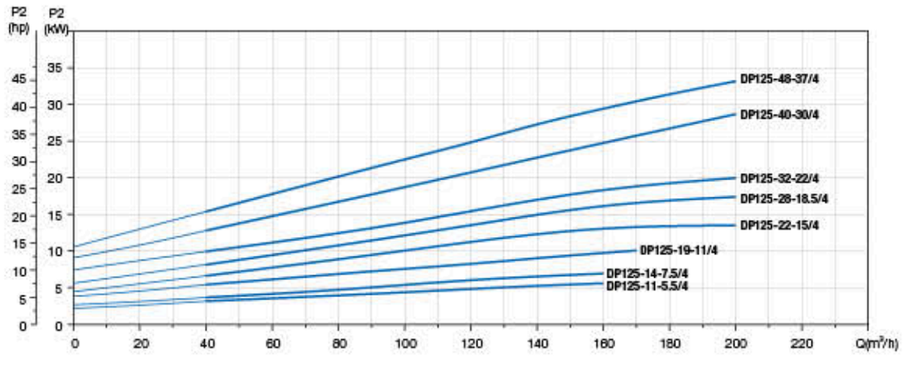


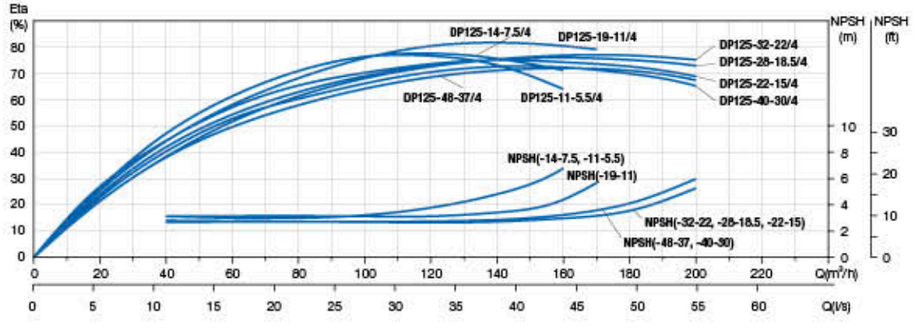
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP100-9-2.2/2	145	168	132	134	101	160	105	178	624	450	225	51
DP100-15-4/2	160	220	175	134	101	160	105	190	686	450	225	74
DP100-17-5.5/2	200	260	195	146	118	144	120	199	745	450	225	82
DP100-22-7.5/2	200	260	195	146	118	144	120	199	745	450	225	88
DP100-27-11/2	350	311	233	147	123	144	140	260	943	550	275	141
DP100-33-15/2	350	311	233	147	123	144	140	260	943	550	275	152
DP100-40-18.5/2	350	314	251	181	152	230	140	270	952	550	275	169
DP100-48-22/2	350	355	267	181	152	230	140	270	988	550	275	245
DP100-52-30/2	400	397	299	181	152	230	140	270	1079	550	275	312

Performance Curves



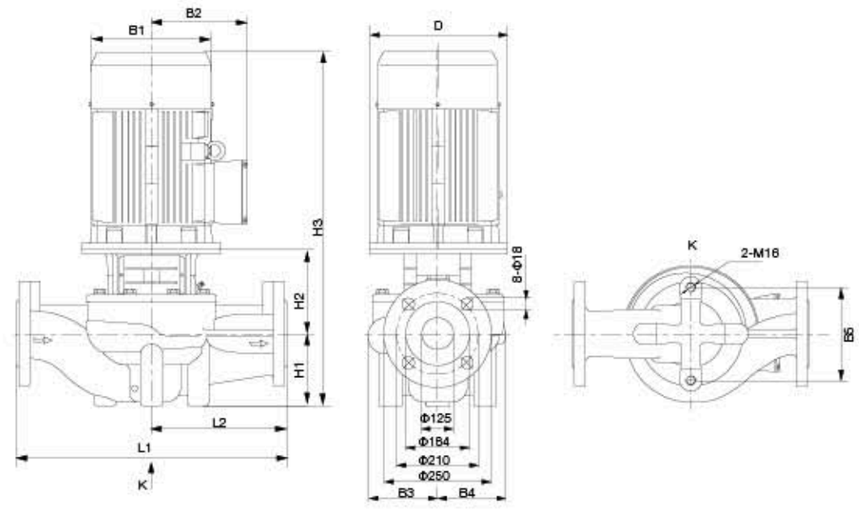




Technical Table

Model	Power (kW)	Q(m³/h)	40	60	80	100	120	140	160	170	180	200
DP125-11-5.5/4	5.5	H(m)	13.4	13.1	12.6	11.9	11	9.8	8.1	-	-	-
DP125-14-7.5/4	7.5		15.4	15.2	15	14.7	14	12.8	10.9	-	-	-
DP125-19-11/4	11		21.5	21.3	21.1	20.7	19.9	19	17.6	16.5	-	-
DP125-22-15/4	15		26.7	26.5	26.2	25.7	24.9	23.7	22	20.9	19.8	16.7
DP125-28-18.5/4	18.5		30.9	30.8	30.7	30.5	30.1	29.3	28	26.9	25.8	22.2
DP125-32-22/4	22		34.6	34.6	34.5	34.4	34	33.3	32	31.1	30.2	27.3
DP125-40-30/4	30		46.2	46	45.7	45.2	44.3	42.5	40	38.5	36.9	32.5
DP125-48-37/4	37		52.6	52.3	51.9	51.5	50.9	49.9	48	46.6	45	41.1

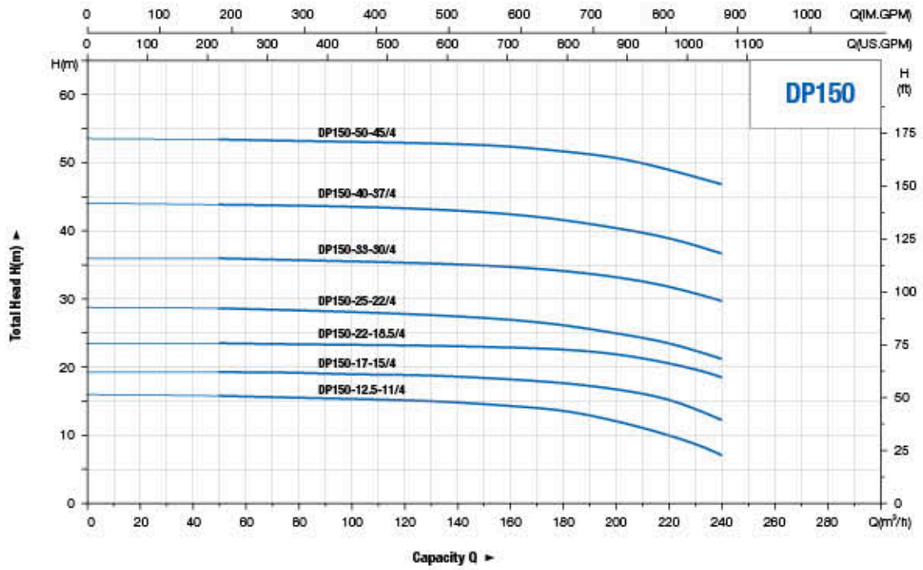
Dimension Drawing

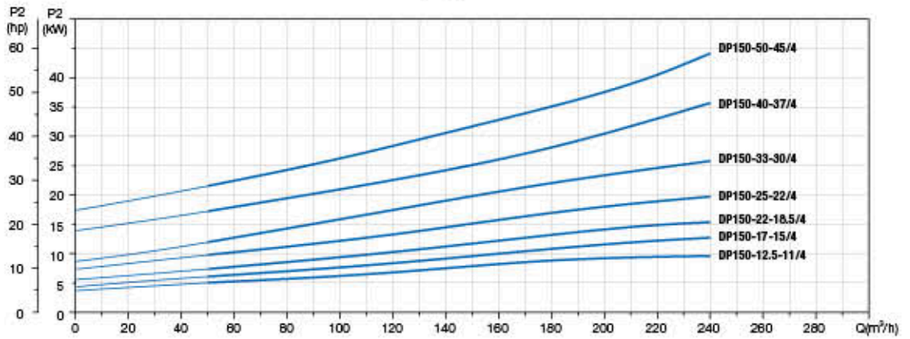


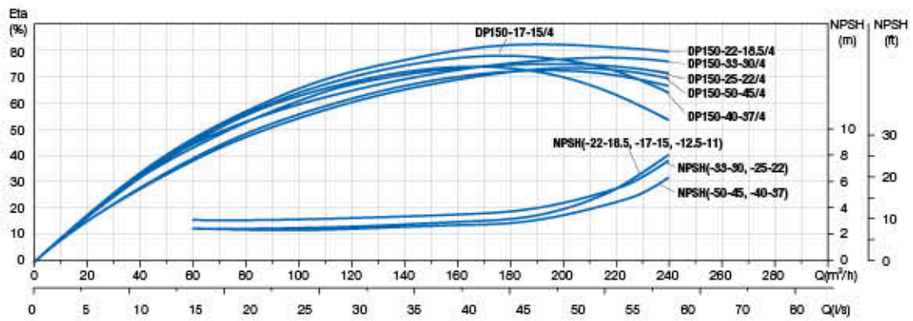
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP125-11-5.5/4	300	258	203	198	162	230	160	229	779	620	310	152
DP125-14-7.5/4	300	258	203	198	162	230	160	229	817	620	310	166
DP125-19-11/4	350	314	251	213	178	230	160	301	959	660	330	232
DP125-22-15/4	350	314	251	236	208	230	215	292	1005	800	400	284
DP125-28-18.5/4	350	314	251	236	208	230	215	292	1049	800	400	324
DP125-32-22/4	350	355	267	236	208	230	215	292	1085	800	400	353
DP125-40-30/4	400	397	299	261	233	230	160	298	1127	800	400	460
DP125-48-37/4	450	397	299	261	233	230	160	313	1142	800	400	509

Performance Curves



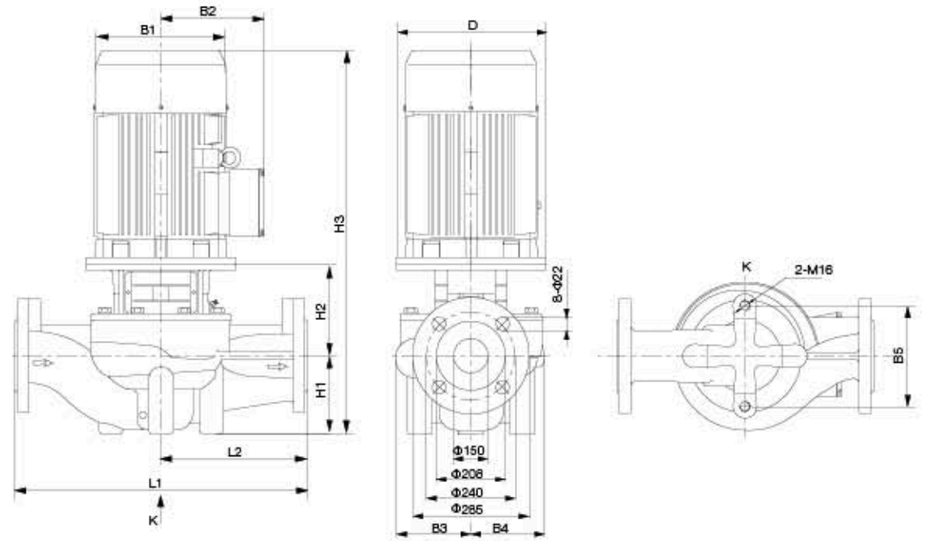




Technical Table

Model	Power (kW)	Q(m³/h)	50	80	100	120	140	160	180	200	220	240
DP150-12.5-11/4	11	H(m)	16.1	15.8	15.6	15.4	15.1	14.6	13.9	12.5	10.4	7.6
DP150-17-15/4	15		19.5	19.4	19.2	19.1	18.8	18.4	17.9	17	15.4	12.6
DP150-22-18.5/4	18.5		23.6	23.4	23.4	23.2	23.1	23	22.7	22	20.7	18.7
DP150-25-22/4	22		28.1	28	27.9	27.7	27.3	26.8	26.1	25	23.5	21.3
DP150-33-30/4	30		35.5	35.4	35.3	35.1	34.8	34.4	33.9	33	31.5	29.6
DP150-40-37/4	37		43.1	43	42.9	42.7	42.4	41.9	41.1	40	38.4	36.2
DP150-50-45/4	45		52.4	52.2	52.1	51.9	51.7	51.4	50.9	50	48.7	46.7

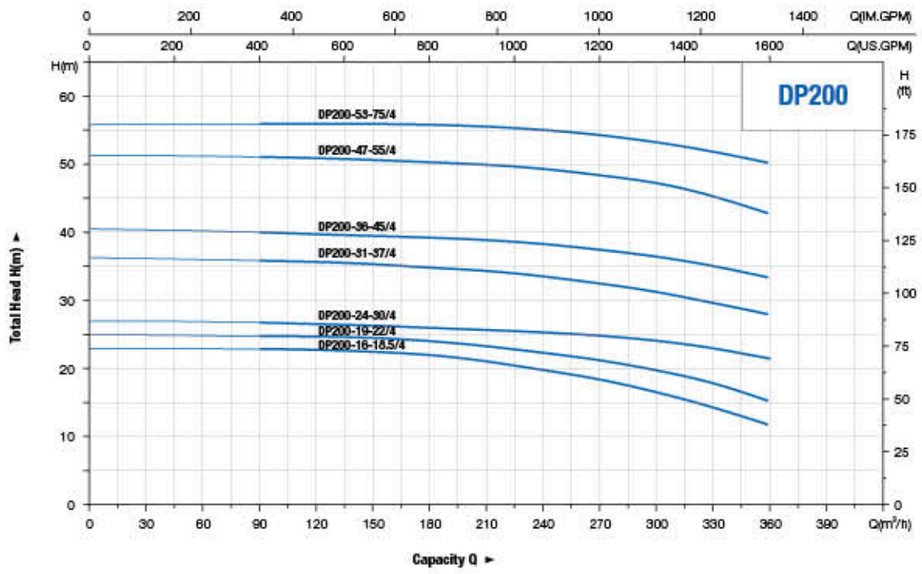
Dimension Drawing

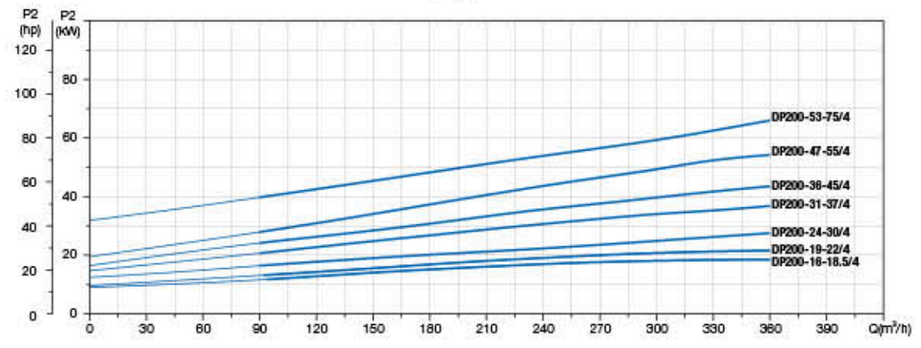


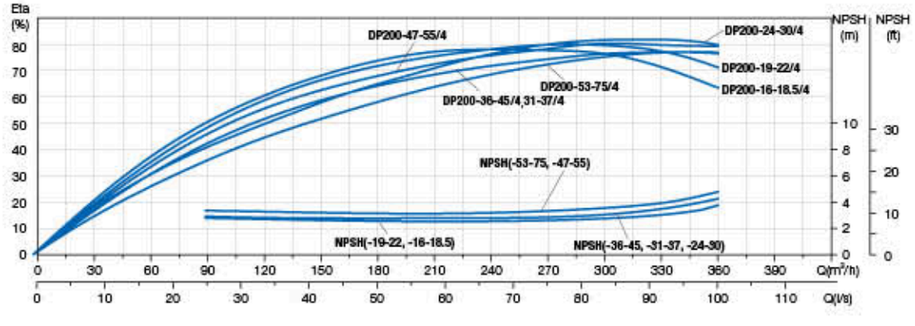
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP150-12.5-11/4	350	314	251	217	180	230	175	297	970	660	330	234
DP150-17-15/4	350	314	251	217	180	230	175	297	970	660	330	255
DP150-22-18.5/4	350	314	251	217	180	230	175	297	1014	660	330	295
DP150-25-22/4	350	355	367	238	208	230	215	269	1062	800	400	354
DP150-33-30/4	400	397	299	238	208	230	215	269	1153	800	400	435
DP150-40-37/4	450	397	299	267	248	230	230	288	1187	900	450	533
DP150-50-45/4	450	446	322	267	248	230	230	288	1227	900	450	568

Performance Curves



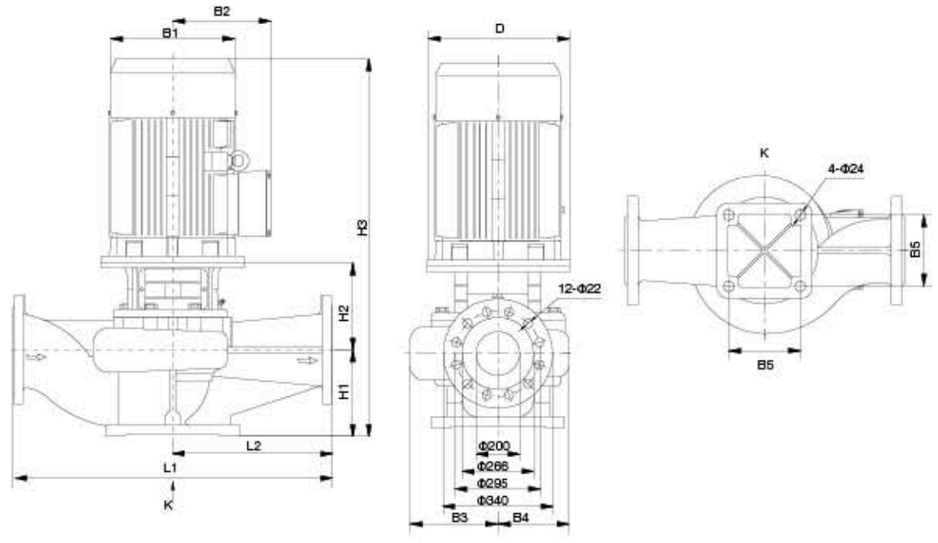




Technical Table

Model	Power (kW)	Q(m³/h)	90	120	150	180	210	240	270	300	330	360
DP200-16-18.5/4	18.5	H(m)	22.6	22.4	22.2	21.7	20.7	19.4	18.4	16	14	11.5
DP200-19-22/4	22		24.4	24.3	24.2	23.7	23	22	20.9	19	17.6	15
DP200-24-30/4	30		26.1	26	25.8	25.7	25.4	25.1	24.6	24	23.1	21.5
DP200-31-37/4	37		35.4	35.3	35	34.5	33.9	33.2	32.2	31	29.3	27.6
DP200-36-45/4	45		39.6	39.4	39.1	38.8	38.5	37.9	37	36	34.7	33
DP200-47-55/4	55		50.6	50.5	50.2	49.8	49.5	48.9	48	47	44.9	42.4
DP200-53-75/4	75		55.7	55.7	55.7	55.5	55.3	54.8	54	53	51.6	50

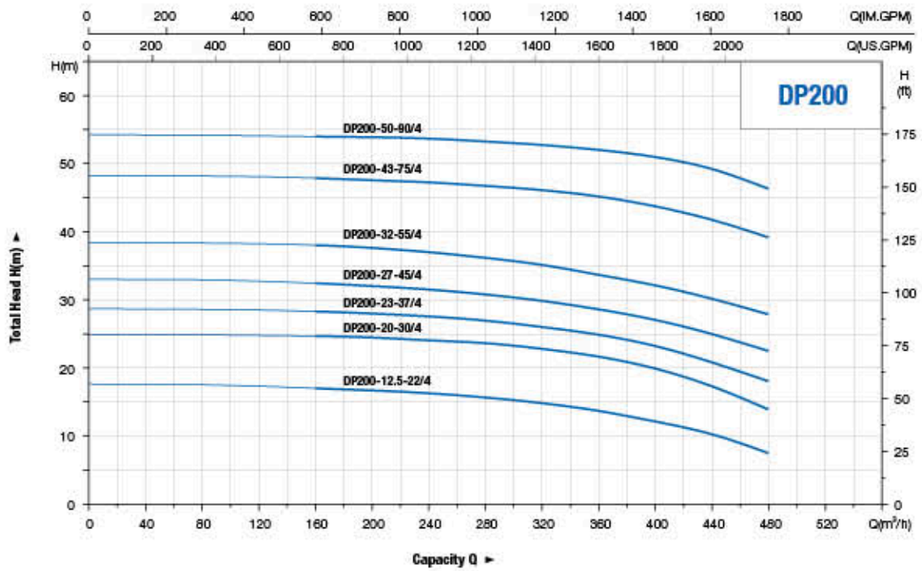
Dimension Drawing

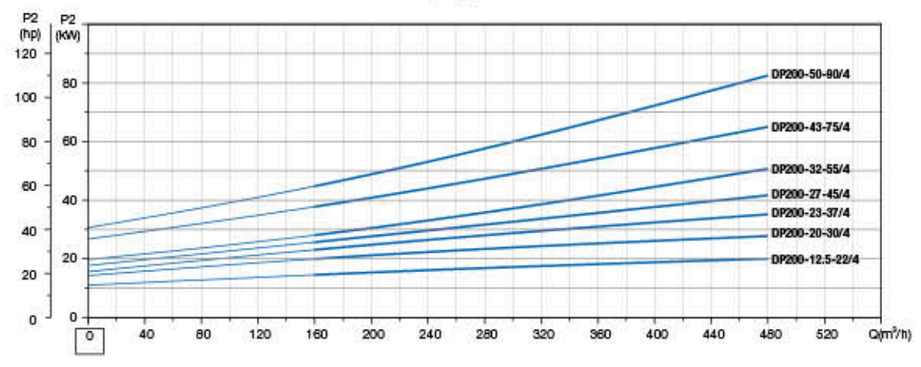


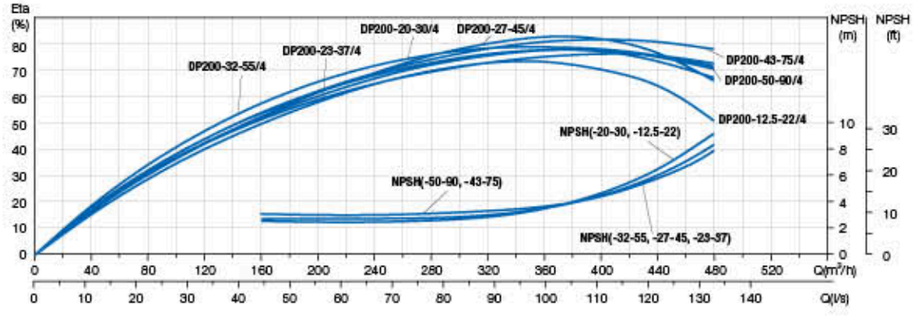
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP200-16-18.5/4	350	314	251	278	219	360	270	415	1227	1000	500	400
DP200-19-22/4	350	355	267	278	219	360	270	415	1263	1000	500	428
DP200-24-30/4	400	397	299	303	252	360	270	415	1354	1100	550	535
DP200-31-37/4	400	397	299	303	252	360	270	445	1384	1100	550	592
DP200-36-45/4	450	446	322	303	252	360	270	445	1424	1100	550	627
DP200-47-55/4	550	485	358	315	269	360	270	457	1497	1100	550	751
DP200-53-75/4	550	547	387	315	269	360	270	457	1569	1100	550	879

Performance Curves



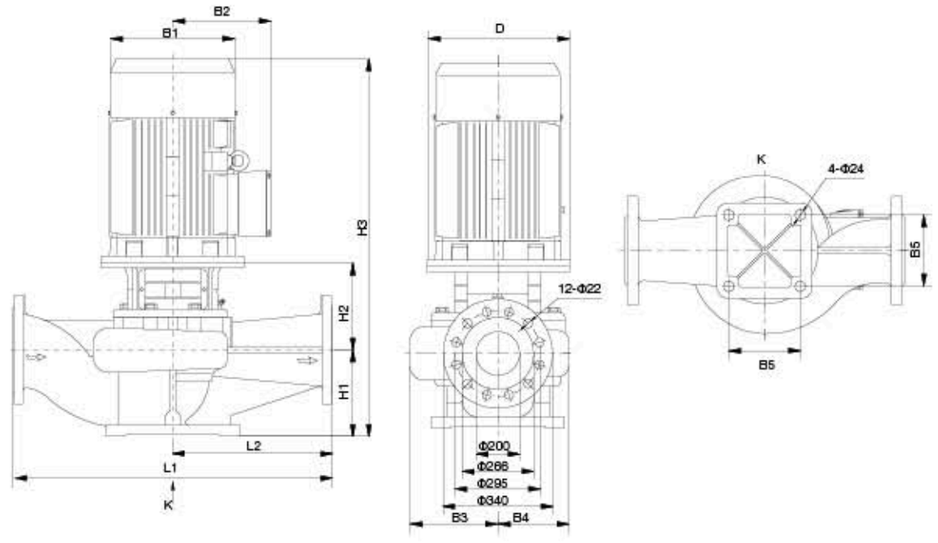




Technical Table

Model	Power (kW)	Q(m³/h)	16	200	240	280	320	360	400	440	480
DP200-12.5-22/4	22	H(m)	17.2	16.9	16.5	15.9	15.1	14	12.5	10.7	8
DP200-20-30/4	30		24.6	24.4	24	23.6	22.8	21.7	20	17.5	14.2
DP200-23-37/4	37		28.1	27.8	27.4	26.8	25.9	24.8	23	20.9	18.2
DP200-27-45/4	45		32.1	31.7	31.2	30.5	29.6	28.4	27	24.9	22.5
DP200-32-55/4	55		37.5	37.1	36.5	35.7	34.7	33.3	32	29.9	27.7
DP200-43-75/4	75		47	46.7	46.4	45.9	45.3	44.4	43	41.1	38.6
DP200-50-90/4	90		52.9	52.8	52.6	52.2	51.7	51	50	48.3	45.5

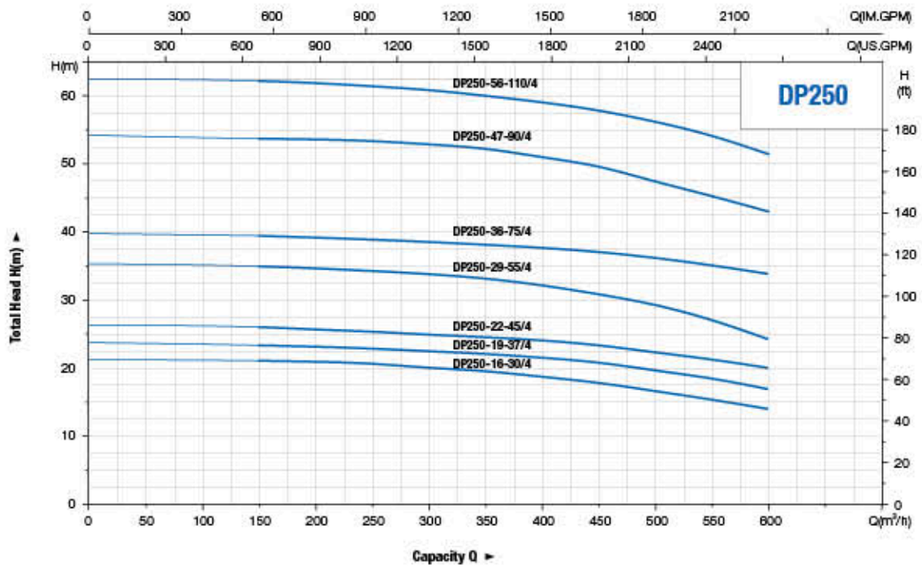
Dimension Drawing

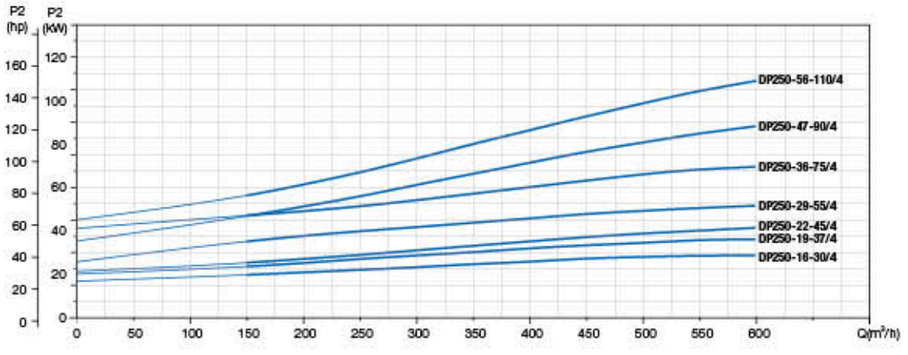


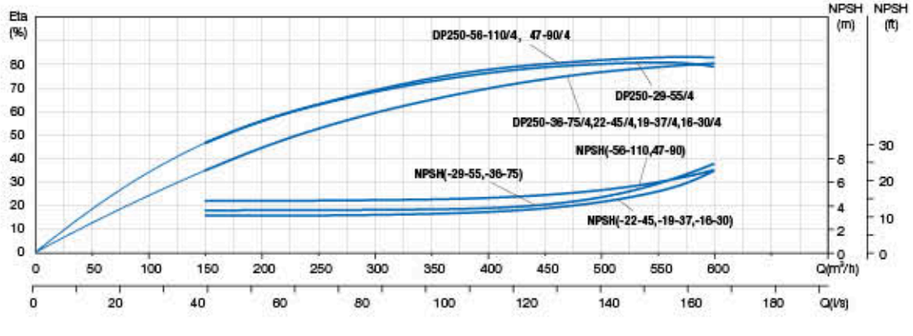
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP200-12.5-22/4	350	355	267	278	219	360	270	415	1263	1000	500	428
DP200-20-30/4	400	397	299	278	219	360	270	415	1354	1000	500	506
DP200-23-37/4	400	397	299	303	252	360	270	445	1384	1100	550	592
DP200-27-45/4	450	446	322	303	252	360	270	445	1424	1100	550	627
DP200-32-55/4	550	485	358	303	252	360	270	445	1485	1100	550	714
DP200-43-75/4	550	547	387	315	269	360	270	457	1569	1100	550	883
DP200-50-90/4	550	547	387	315	269	360	270	457	1620	1100	550	953

Performance Curves



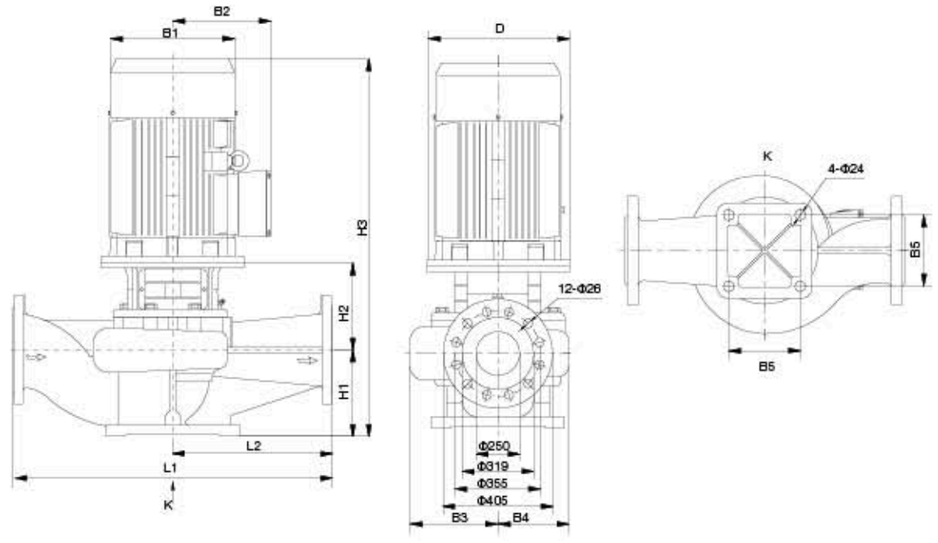




Technical Table

Model	Power (kW)	Q(m³/h)	150	200	250	300	350	400	450	500	550	600
DP250-16-30/4	30	H(m)	20.5	20.4	20.1	19.6	19	18.2	17.3	16	14.7	13.3
DP250-19-37/4	37		22.7	22.4	22.1	21.7	21.3	20.8	20.1	19	17.9	16.6
DP250-22-45/4	45		25.7	25.3	25.1	24.7	24.3	23.8	23.1	22	21	19.7
DP250-29-55/4	55		34.6	34.4	34	34.4	32.6	31.8	30.6	29	26.8	23.9
DP250-36-75/4	75		39.1	38.8	38.5	38.2	37,8	37.3	36.8	36	34.3	32.5
DP250-47-90/4	90		53.3	53.1	52.9	52.4	51.8	50.6	49.2	47	45	42.5
DP250-56-110/4	110		61.6	61.4	60.9	60.2	59.5	58.6	57.4	56	53.8	51

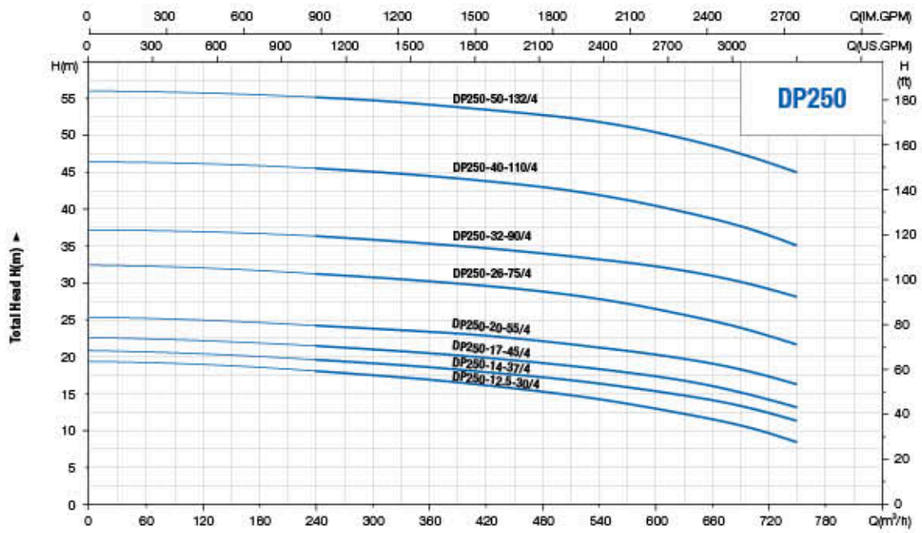
Dimension Drawing

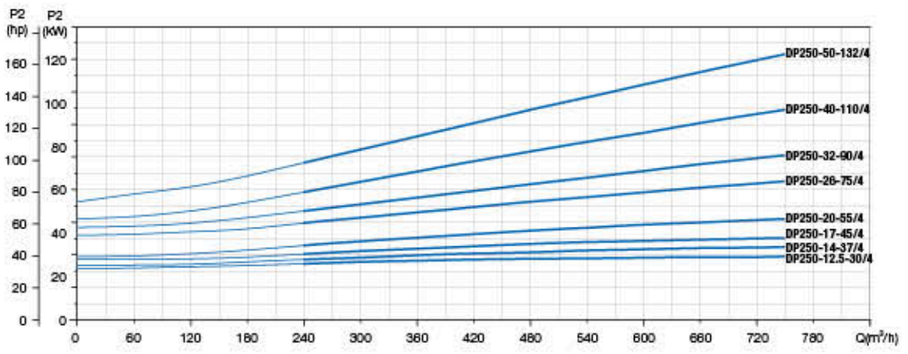


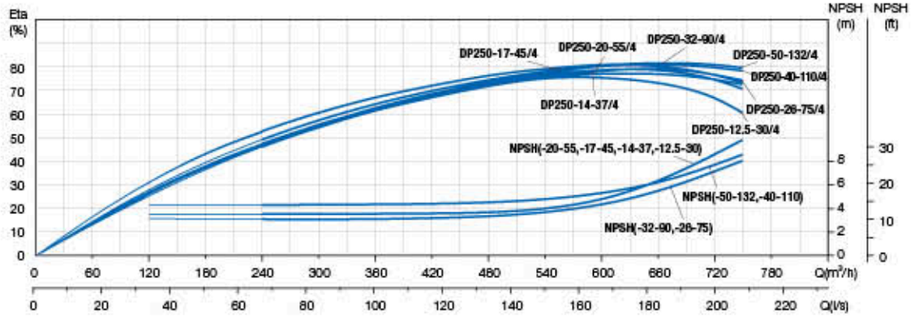
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP250-16-30/4	400	397	299	316	243	390	300	465	1434	1100	550	564
DP250-19-37/4	400	397	299	316	243	390	300	495	1464	1100	550	615
DP250-22-45/4	450	446	322	316	243	390	300	495	1504	1100	550	650
DP250-29-55/4	550	485	358	329	264	440	300	507	1577	1100	550	786
DP250-36-75/4	550	547	387	329	264	440	300	507	1649	1100	550	917
DP250-47-90/4	550	547	387	347	292	440	305	485	1683	1200	600	1090
DP250-56-110/4	660	620	527	347	292	440	305	525	1884	1200	600	1358

Performance Curves



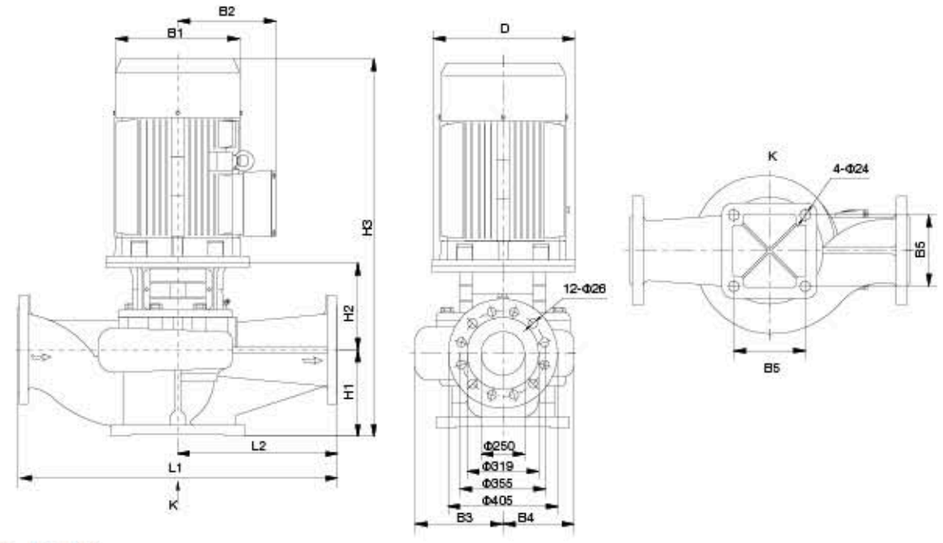




Technical Table

Model	Power (kW)	Q(m³/h)	240	300	360	420	480	540	600	630	660	720	750
DP250-12.5-30/4	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
DP250-14-37/4	37		20	19.5	18.9	18.2	17.5	16.6	15.6	14	13.4	12.6	11.6
DP250-17-45/4	45		21.8	21.3	20.8	20.1	19.4	18.6	17.6	17	16.3	14.4	13.4
DP250-20-55/4	55		24.5	24.1	23.7	23.1	22.4	21.5	20.5	20	19.3	17.6	16.5
DP250-26-75/4	75		31.7	31.1	30.6	29.9	29.1	28.2	26.8	26	25.2	23.1	21.9
DP250-32-90/4	90		36.7	36.3	35.7	35.1	34.3	33.5	32.6	32	31.3	29.5	28.4
DP250-40-110/4	110		46	45.5	44.9	44.2	43.4	42.3	40.8	40	39.1	36.8	35.5
DP250-50-132/4	132		55.6	55.2	54.6	53.9	53.2	52.3	50.9	50	49	46.7	45.4

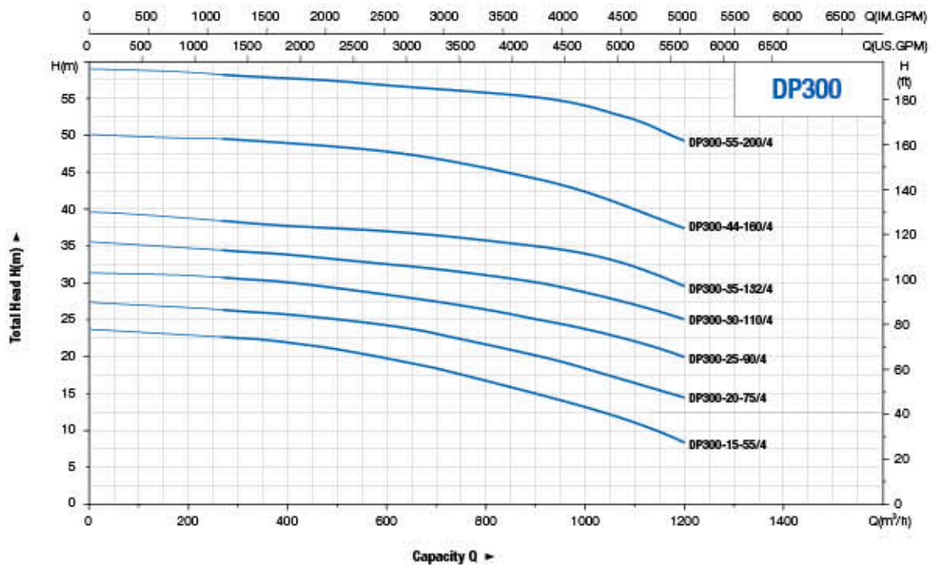
Dimension Drawing

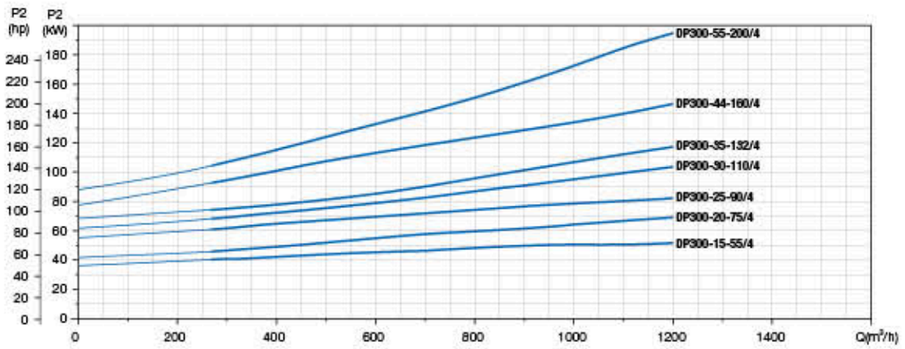


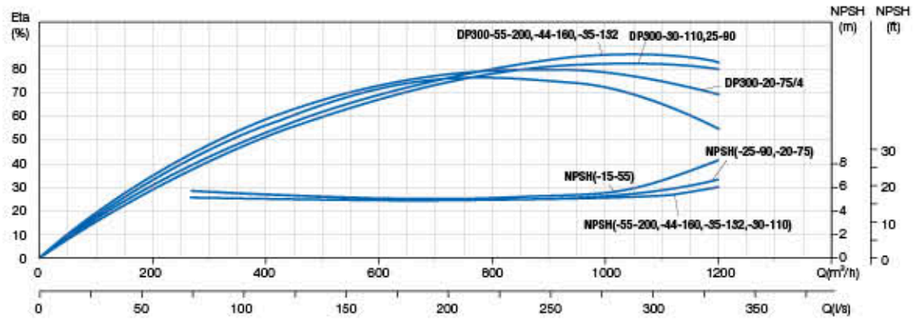
Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP250-12.5-30/4	400	397	299	316	243	390	300	465	1434	1100	550	564
DP250-14-37/4	400	397	299	316	243	390	300	495	1464	1100	550	617
DP250-17-45/4	450	446	322	316	243	390	300	495	1504	1100	550	652
DP250-20-55/4	550	485	358	316	243	390	300	495	1565	1100	550	743
DP250-26-75/4	550	547	387	329	264	440	300	507	1649	1100	550	918
DP250-32-90/4	550	547	387	329	264	440	300	507	1700	1100	550	988
DP250-40-110/4	660	620	527	347	292	440	305	525	1884	1200	600	1358
DP250-50-132/4	660	620	527	347	292	440	305	525	1994	1200	600	1452

Performance Curves



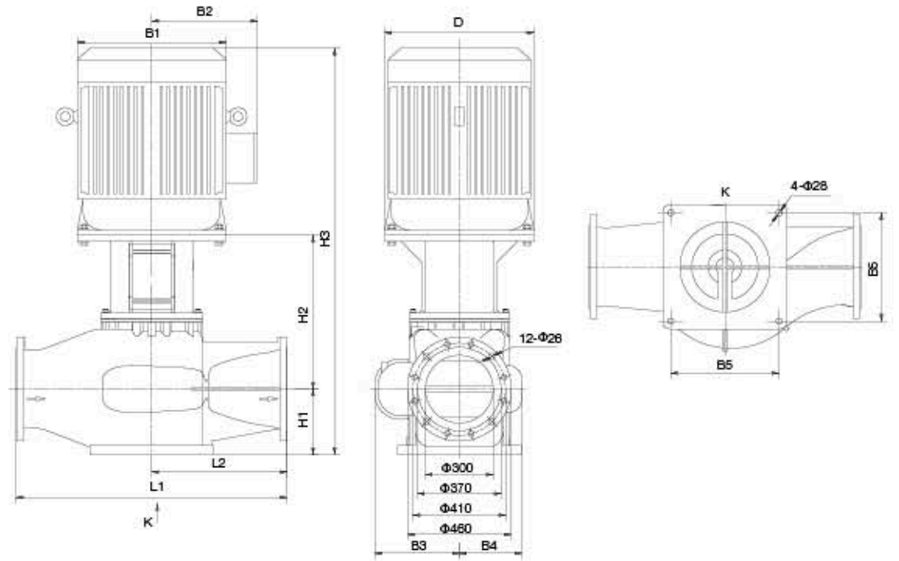




Technical Table

Model	Power (kW)	Q(m³/h)	270	360	450	630	750	900	1080	1200
DP300-15-55/4	55	H(m)	22.7	22.3	21.6	19.5	17.8	15	11.6	8.5
DP300-20-75/4	75		26.4	26	25.5	24.1	22.4	20	17.1	14.5
DP300-25-90/4	90		30.8	30.4	29.8	28.2	27.1	25	22.5	20
DP300-30-110/4	110		34.5	34	33.5	32.4	31.6	30	27.5	25
DP300-35-132/4	132		38.6	38.1	37.8	36.9	36	35	32.6	29.6
DP300-44-160/4	160		49.5	49.2	48.8	47.6	46.3	44	40.5	37.5
DP300-55-200/4	200		58.2	57.9	57.6	56.7	56.1	55	52.5	49.2

Dimension Drawing



Size And Weight

Model	Size(mm)											Weight (kg)
	D	B1	B2	B3	B4	B5	H1	H2	H3	L1	L2	
DP300-15-55/4	550	485	358	345	250	440	285	647	1709	1200	600	899
DP300-20-75/4	550	547	387	345	250	440	285	647	1781	1200	600	1026
DP300-25-90/4	550	547	387	380	280	480	290	659	1842	1200	600	1153
DP300-30-110/4	660	620	527	380	280	480	290	699	2043	1200	600	1476
DP300-35-132/4	660	620	527	380	280	480	290	699	2153	1200	600	1570
DP300-44-160/4	660	620	527	380	295	480	290	702	2156	1200	600	1728
DP300-55-200/4	660	620	527	380	295	480	290	702	2156	1200	600	1840

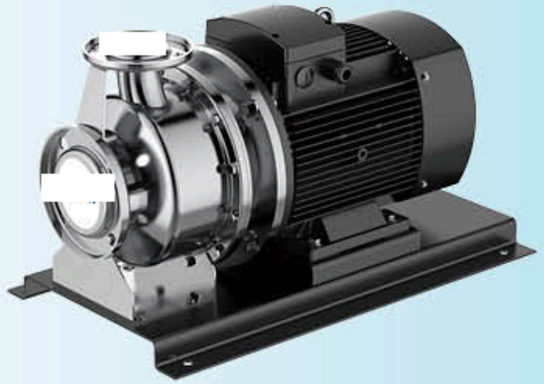
DSTL

Stainless Steel Standard Centrifugal Pump

CMI Use

Private House

Industrial Use



Application

Air conditioning system and heating system
Water filtration and transportation
Cooling water circulation and boiler feed water
Pipeline pressurization and water circulation
Industrial application & equipment supporting system
Agricultural water irrigation
Fire Fighting System

Operating Conditions

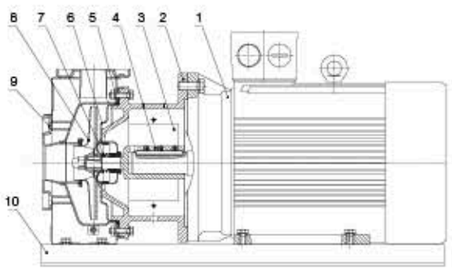
Pipe connection: DN32~DN100
Max. Flow: 200m³/h
Max. Head: 70 m
Power range: 1.1~37kW
Max. ambient temperature: 40°C
Liquid temperature range: 20°C~100°C
Highest Altitude: 1000 m
Max.operating pressure: 10 bar

Model Instruction

DSTL 65 - 50 - 200 / 11

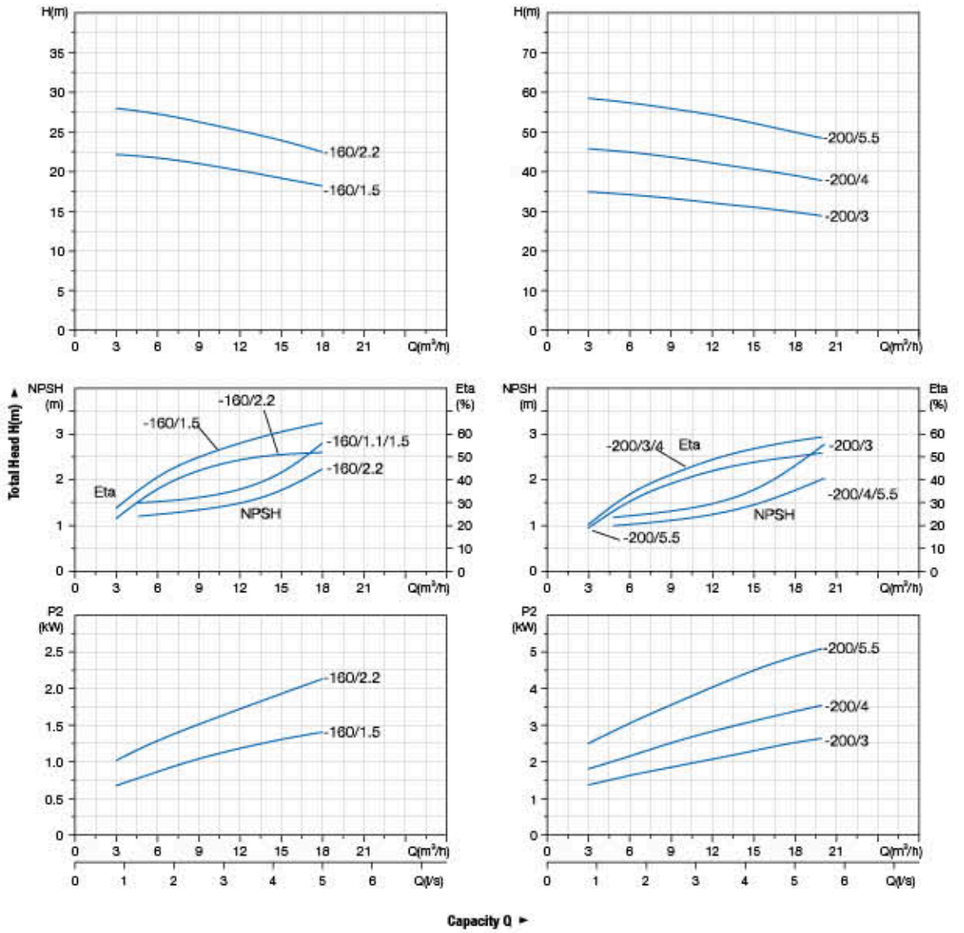
- Rated power of motor (kW)
- Nominal diameter of impeller
- Outlet diameter(mm)
- Inlet diameter(mm)
- Series code

Model Analysis



NO.	Component	Materials	NO.	Component	Materials
1	Motor	-	6	Connector gasket	AISI304
2	Pump connector	HT200	7	Mechanical seal	Graphite silicon carbide
3	Guard plate	AISI304	8	Impeller	AISI304
4	Shaft	AISI304	9	Pump body	AISI304
5	Gasket	NBR	10	Pump base	Q235

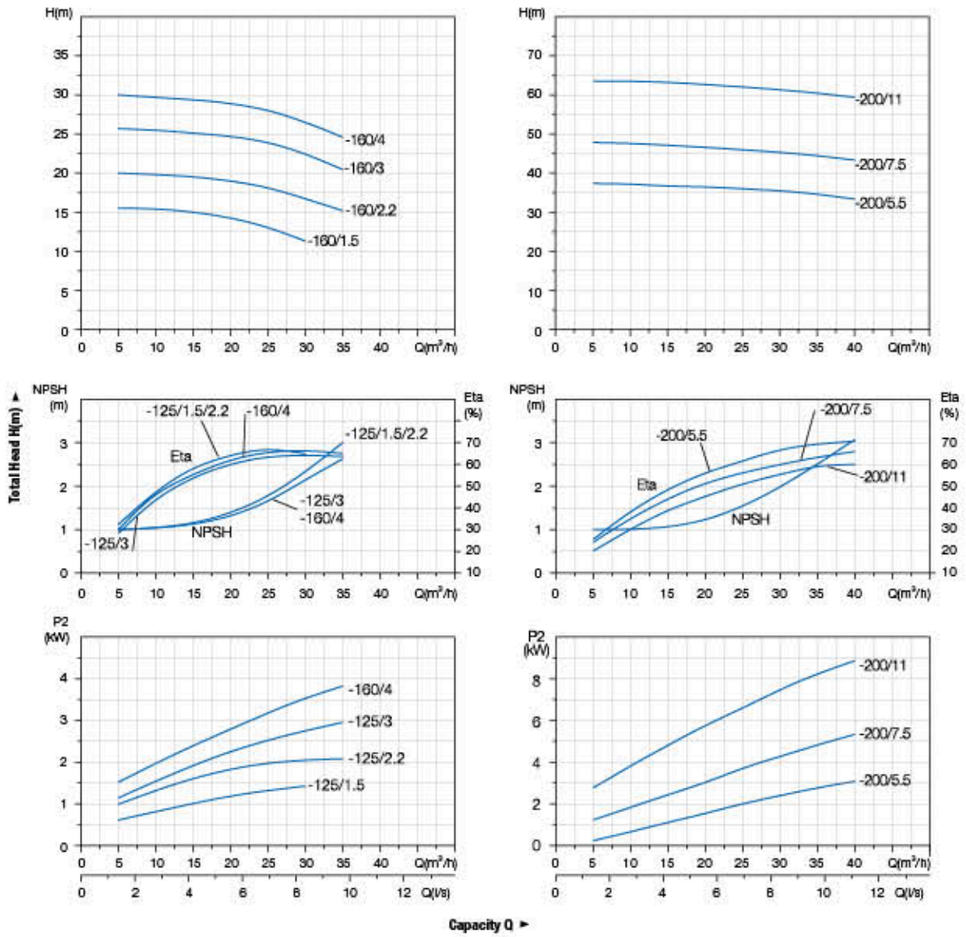
Performance Curves



Technical Table

Model	Power (kW)	Speed(rpm)	Q(m³/h)	3	6.3	9	12.5	15	18	20
DSTL50-32-160/1.5	1.5	2900	H(m)	22.5	22	21	20	19	18	-
DSTL50-32-160/2.2	2.2	2900		28	27	26.3	25	24	22.5	-
DSTL50-32-200/3	3	2900		34.9	34.1	33.3	32	31	29.8	28.9
DSTL50-32-200/4	4	2900		45.7	44.8	43.7	42	40.7	39	37.7
DSTL50-32-200/5.5	5.5	2900		58.5	57.2	56	54	52.5	50	48.5

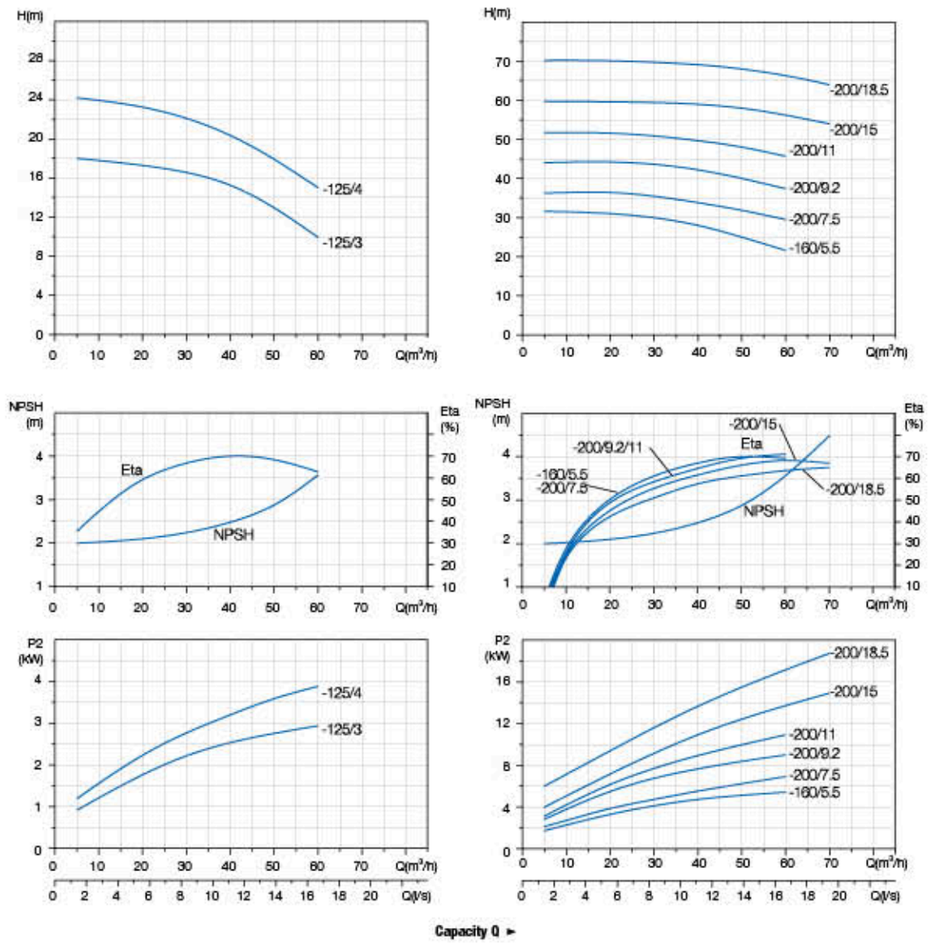
Performance Curves



Technical Table

Model	Power (kW)	Speed(rpm)	Q(m³/h)	5	10	15	20	25	30	35	40
DSTL65-40-125/1.5	1.5	2900		15.5	15.4	15	14.4	13	11.3	-	-
DSTL65-40-125/2.2	2.2	2900		20	19.7	19.5	19	18	16.7	15.2	-
DSTL65-40-125/3	3	2900		25.7	25.3	25.1	24.8	24	22.3	20.3	-
DSTL65-40-160/4	4	2900	H(m)	30	29.7	29.3	28.9	28	26.5	24.5	-
DSTL65-40-200/5.5	5.5	2900		37.4	37.2	36.7	36.4	36	35.5	34.6	33.3
DSTL65-40-200/7.5	7.5	2900		48	47.5	47	46.6	46	45.2	44.5	43.3
DSTL65-40-200/11	11	2950		64	63.5	63	62.5	62	61.5	60.5	59

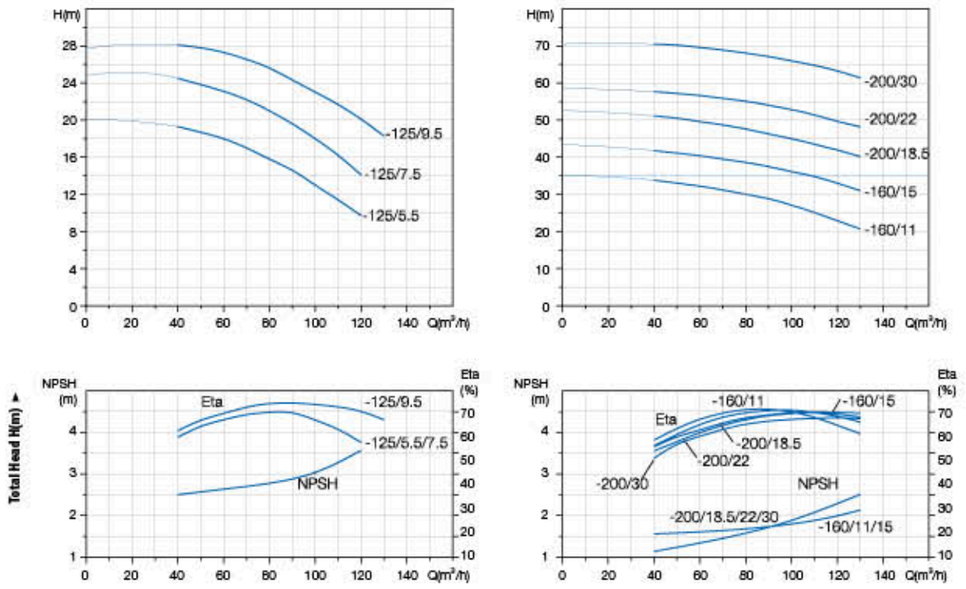
Performance Curves

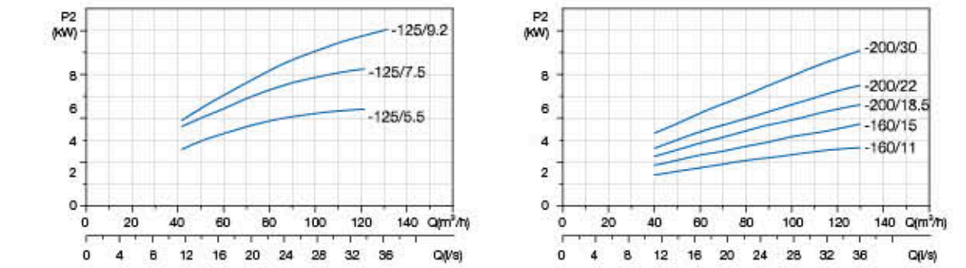


Technical Table

Model	Power (kW)	Speed(rpm)	Q(m³/h)	5	10	20	30	40	50	60	70
DSTL65-50-125/3	3	2900		18	17.8	17.2	16.4	15.1	13	10	-
DSTL65-50-125/4	4	2900		24.2	24.2	23.6	22.6	20.7	18	14.8	-
DSTL65-50-160/5.5	5.5	2900		31.6	31.5	31	30	28	25	21.5	-
DSTL65-50-200/7.5	7.5	2900		36.3	36.6	36.4	35.6	34.1	32	29.6	-
DSTL65-50-200/9.2	9.2	2900	H(m)	43.5	43.5	43.5	43	42	40	37.5	-
DSTL65-50-200/11	11	2950		51.5	51.5	51	50	49.3	48	45.6	-
DSTL65-50-200/15	15	2950		59.7	59.7	59.6	59.5	59	58	56.2	53
DSTL65-50-200/18.5	18.5	2950		70.2	70.2	70.1	70	69.1	68	66.4	64

Performance Curves

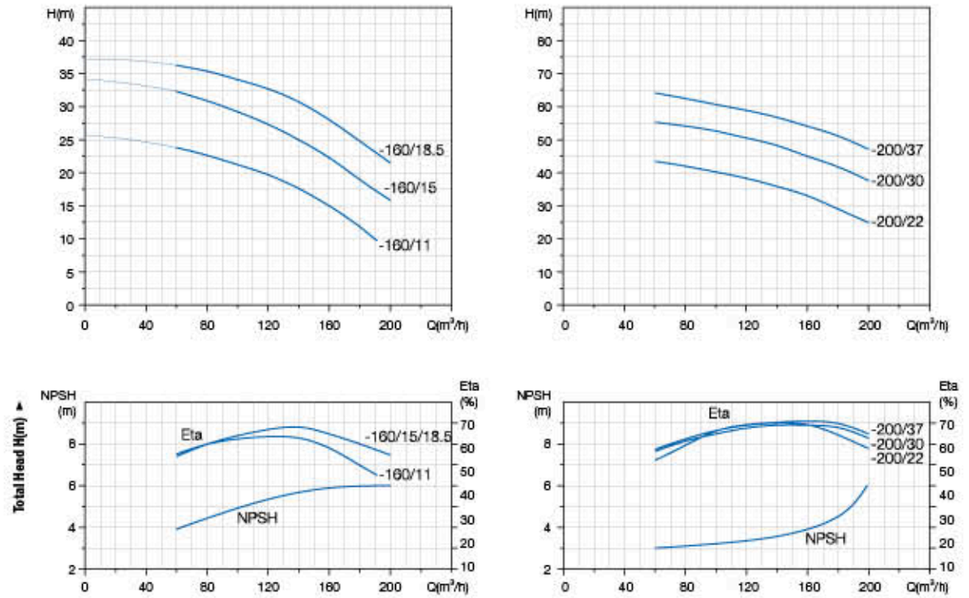


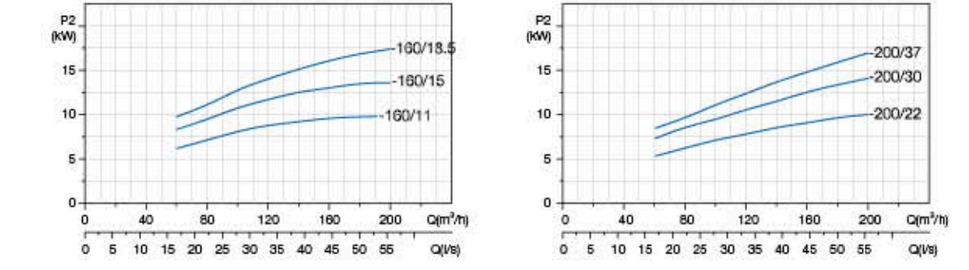


Technical Table

Model	Power (kW)	Speed(rpm)	Q(m³/h)	40	50	60	70	80	100	110	120	130
DSTL80-65-125/5.5	5.5	2900	H(m)	19.3	18.7	18	17	15.8	13	11.4	9.7	-
DSTL80-65-125/7.5	7.5	2900		24.5	23.8	23.1	22.2	21	18	16.2	14.1	-
DSTL80-65-125/9.2	9.2	2900		28.1	27.8	27.3	26.6	25.7	23	21.8	20.1	18.3
DSTL80-65-160/11	11	2950		33.9	33	32.2	31.3	29.9	27	25.1	22.9	20.7
DSTL80-65-160/15	15	2950		41.8	41.1	40.4	39.5	38.6	36	34.8	33	31
DSTL80-65-200/18.5	18.5	2950		51	50.5	49.6	48.7	47.6	45	43.5	42.2	40.2
DSTL80-65-200/22	22	2950		57.7	57.2	56.8	55.9	55.1	53	51.6	49.7	48.2
DSTL80-65-200/30	30	2950		70.2	70.2	69.6	68.9	68.2	66	64.6	63.3	61.4

Performance Curves

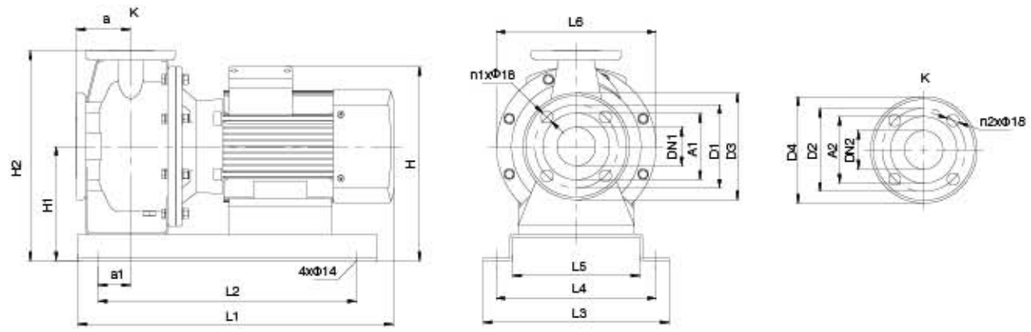




Technical Table

Model	Power (kW)	Speed(rpm)	Q(m³/h)	60	80	100	120	140	160	180	192	200
DSTL100-80-160/11	11	2950	H(m)	23.8	22.7	21.1	19.7	17.6	15	11.8	9.7	-
DSTL100-80-160/15	15	2950		32.3	30.8	29.1	27.2	25.1	22	18.8	-	16.1
DSTL100-80-160/18.5	18.5	2950		36.2	35.2	33.8	32.7	31	28	24.8	-	21.5
DSTL100-80-200/22	22	2950		43.5	42	39.7	38.3	35.9	33	29	-	24.9
DSTL100-80-200/30	30	2950		55.4	54.1	52.6	50.5	48.2	45	41.9	-	37.6
DSTL100-80-200/37	37	2950		64.1	62.5	61	59	57.4	54	51.2	-	47.1

Dimension Drawing



Size

Model	Size(mm)																				Weight
	DN1	DN2	A1	A2	D1	D2	D3	D4	n1	n2	a	a1	H	H1	H2	L1	L2	L3	L4	L5	L6	(KG)
DSTL50-32-160/1.5	50	32	98	75	125	100	160	139	4	4	80	46	307	152	296	500	430	280	240	192	210	37
DSTL50-32-160/2.2	50	32	98	75	125	100	160	139	4	4	80	46	307	152	296	500	430	280	240	192	210	39
DSTL50-32-200/3	50	32	98	75	125	100	160	139	4	4	84	42	370	200	386	550	460	330	290	242	300	53
DSTL50-32-200/4	50	32	98	75	125	100	160	139	4	4	84	47	393	200	386	560	480	330	290	242	300	58
DSTL50-32-200/5.5	50	32	98	75	125	100	160	139	4	4	84	50	413	200	386	660	580	370	330	280	300	77
DSTL65-40-125/1.5	65	40	118	84	145	110	185	145	4	4	80	45	307	152	294	502	430	280	240	192	210	33
DSTL65-40-125/2.2	65	40	118	84	145	110	185	145	4	4	80	45	307	152	294	502	430	280	240	192	210	35
DSTL65-40-125/3	65	40	118	84	145	110	185	145	4	4	80	45	322	152	294	532	460	300	260	212	250	47
DSTL65-40-160/4	65	40	118	84	145	110	185	145	4	4	80	45	345	152	294	557	480	330	290	242	250	52
DSTL65-40-200/5.5	65	40	118	84	145	110	185	145	4	4	100	50	413	200	380	680	580	370	330	280	300	78
DSTL65-40-200/7.5	65	40	118	84	145	110	185	145	4	4	100	50	413	200	380	680	580	370	330	280	300	82
DSTL65-40-200/11	65	40	118	84	145	110	185	145	4	4	100	50	456	200	380	790	690	420	380	330	350	161
DSTL65-50-125/3	65	50	118	98	145	125	185	160	4	4	86	45	342	172	338	548	468	330	290	242	250	49
DSTL65-50-125/4	65	50	118	98	145	125	185	160	4	4	86	45	365	172	338	570	490	330	290	242	250	54
DSTL65-50-160/5.5	65	50	118	98	145	125	185	160	4	4	100	50	413	200	380	680	580	370	330	280	300	78
DSTL65-50-200/7.5	65	50	118	98	145	125	185	160	4	4	100	50	413	200	380	680	580	370	330	280	300	82
DSTL65-50-200/9.2	65	50	118	98	145	125	185	160	4	4	100	50	413	200	380	680	580	370	330	280	300	85
DSTL65-50-200/11	65	50	118	98	145	125	185	160	4	4	100	50	456	200	380	790	690	420	380	330	350	161
DSTL65-50-200/15	65	50	118	98	145	125	185	160	4	4	100	50	456	200	380	790	690	420	380	330	350	171
DSTL65-50-200/18.5	65	50	118	98	145	125	185	160	4	4	100	50	456	200	380	830	730	420	380	330	350	188
DSTL80-65-125/5.5	80	65	130	118	160	145	200	185	8	4	100	50	413	200	380	690	590	370	330	280	300	79
DSTL80-65-125/5.5	80	65	130	118	160	145	200	185	8	4	100	50	413	200	380	690	590	370	330	280	300	83
DSTL80-65-125/5.5	80	65	130	118	160	145	200	185	8	4	100	50	413	200	380	690	590	370	330	280	300	87
DSTL80-65-160/11	80	65	130	118	160	145	200	185	8	4	100	50	456	200	400	790	690	420	380	330	350	163
DSTL80-65-160/15	80	65	130	118	160	145	200	185	8	4	100	50	456	200	400	790	690	420	380	330	350	173
DSTL80-65-200/18.5	80	65	130	118	160	145	200	185	8	4	100	50	476	220	445	830	730	420	380	330	350	190
DSTL80-65-200/22	80	65	130	118	160	145	200	185	8	4	100	50	500	220	445	880	780	455	415	365	350	220
DSTL80-65-200/30	80	65	130	118	160	145	200	185	8	4	100	50	550	240	465	950	850	495	455	405	400	292

DST

Standard Centrifugal Pump

CMI Use

Private House

Industrial Use



Application

Air conditioning system and heating system
Water filtration and transportation
Cooling water circulation and boiler feed water
Pipeline pressurization and water circulation
Industrial application & equipment supporting system
Agricultural water irrigation
Fire Fighting System

Operating Conditions

Max. ambient temperature: 50°C
Liquid temperature range: 0°C~90°C
Max.operating pressure: 16 bar
Continuous service: S1

Model Instruction

DST 50 - 32 - 125 / 1.1

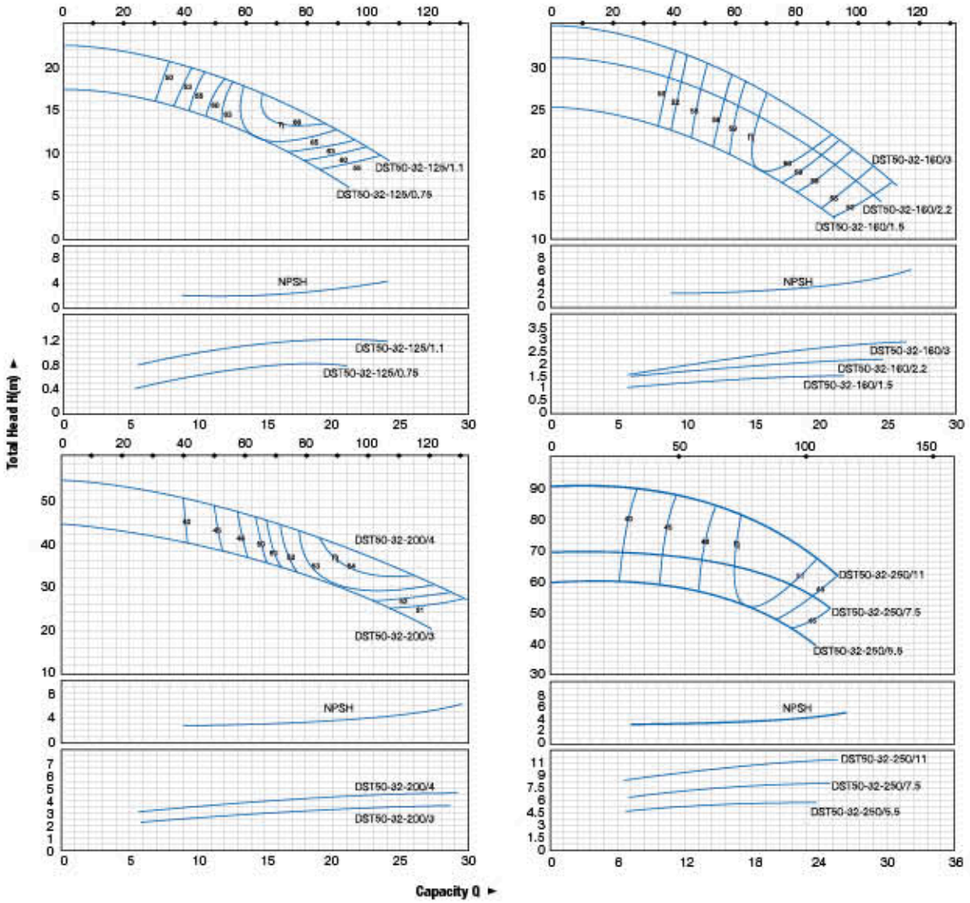
- Rated power of motor (kW)
- Nominal diameter of impeller
- Outlet diameter(mm)
- Inlet diameter(mm)
- Series code

Model Analysis



NO.	Component	NO.	Component
1	Fan cover	10	Oil seal
2	Fan	11	Bearing
3	Rear end cover	12	Connector
4	Pump base	13	O-Ring
5	Junction box	14	Mechanical
6	Wiring terminal	15	Impeller
7	Stator	16	Pump body
8	Rotor	17	Flanges
9	Bearing		

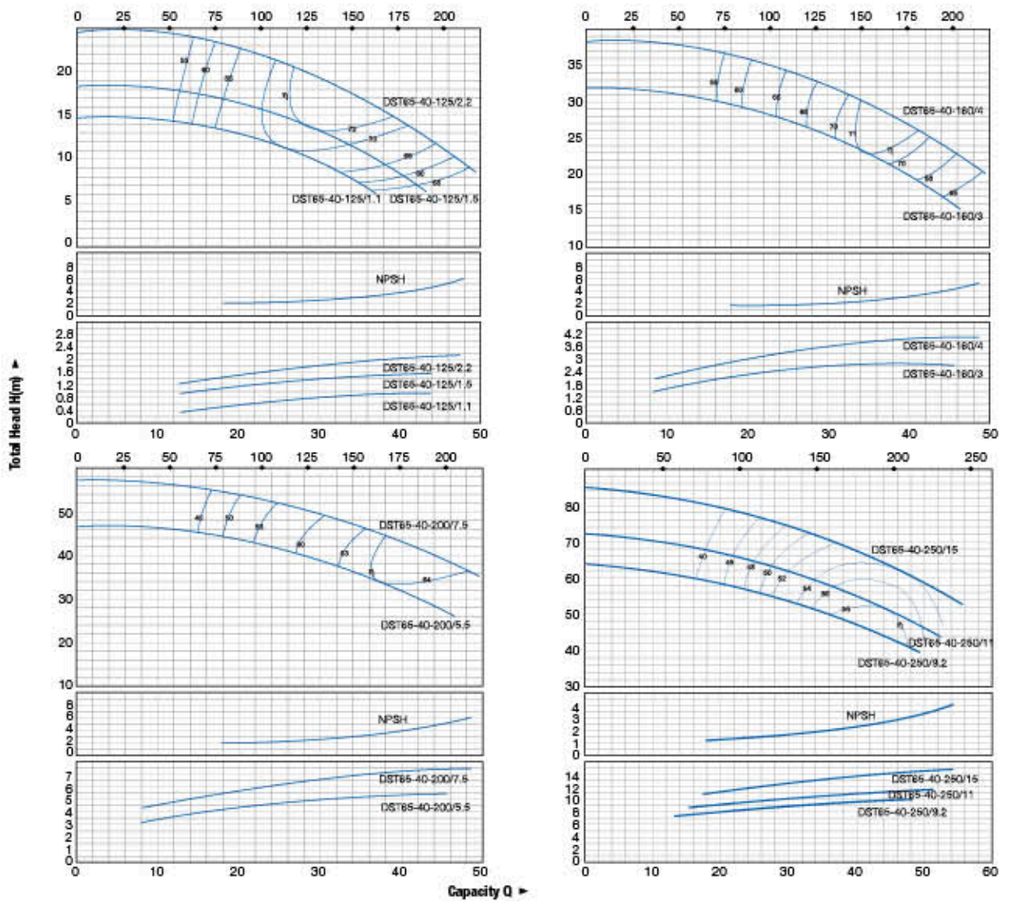
Performance Curves



Technical Table

Model	Inlet	Outlet	Rated. flow	Rated. head	Power	Speed
	(mm)	(mm)	(m³/h)	(m)	(kW)	(r/min)
DST50-32-125/0.75	50	32	15	12	0.75	2900
DST50-32-125/1.1	50	32	15	16.5	1.1	2900
DST50-32-160/1.5	50	32	16	18	1.5	2900
DST50-32-160/2.2	50	32	16	23.5	2.2	2900
DST50-32-160/3	50	32	16	27	3	2900
DST50-32-200/3	50	32	20	30	3	2900
DST50-32-200/4	50	32	20	40	4	2900
DST50-32-250/5.5	50	32	18	51	5.5	2900
DST50-32-250/7.5	50	32	18	63	7.5	2900
DST50-32-250/11	50	32	18	79	11	2900

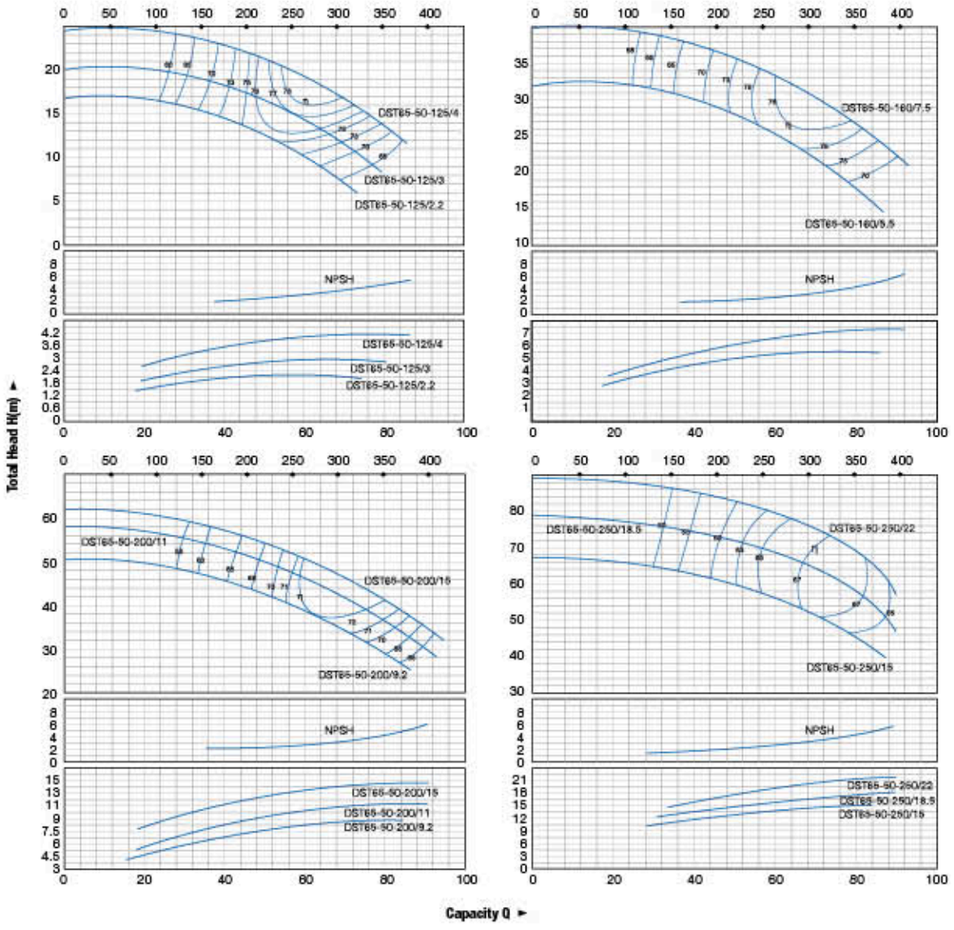
Performance Curves



Technical Table

Model	Inlet	Outlet	Rated. flow	Rated. head	Power	Speed
	(mm)	(mm)	(m³/h)	(m)	(kW)	(r/min)
DST65-40-125/1.1	65	40	27	10.1	1.1	2900
DST65-40-125/1.5	65	40	27	13.9	1.5	2900
DST65-40-125/2.2	65	40	27	20.2	2.2	2900
DST65-40-160/3	65	40	36	21.5	3	2900
DST65-40-160/4	65	40	36	28.5	4	2900
DST65-40-200/5.5	65	40	38	33	5.5	2900
DST65-40-200/7.5	65	40	38	44	7.5	2900
DST65-40-250/9.2	65	40	42	45	9.2	2900
DST65-40-250/11	65	40	42	52.2	11	2900
DST65-40-250/15	65	40	42	65	15	2900

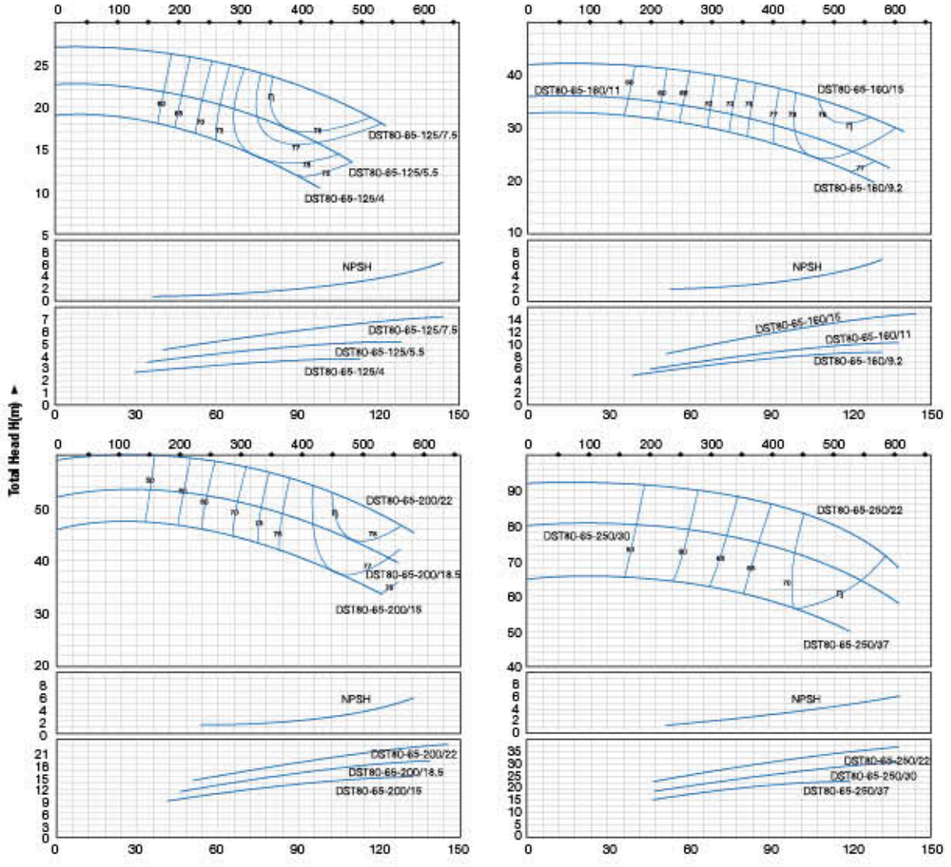
Performance Curves



Technical Table

Model	Inlet	Outlet	Rated. flow	Rated. head	Power	Speed
	(mm)	(mm)	(m³/h)	(m)	(kW)	(r/min)
DST65-50-125/2.2	65	50	54	11.5	2.2	2900
DST65-50-125/3	65	50	54	15.6	3	2900
DST65-50-125/4	65	50	54	20.3	4	2900
DST65-50-160/5.5	65	50	64	24	5.5	2900
DST65-50-160/7.5	65	50	64	32	7.5	2900
DST65-50-200/9.2	65	50	64	37	9.2	2900
DST65-50-200/11	65	50	64	44	11	2900
DST65-50-200/15	65	50	64	49	15	2900
DST65-50-250/15	65	50	72	50	15	2900
DST65-50-250/18.5	65	50	72	63.5	18.5	2900
DST65-50-250/22	65	50	72	73.5	22	2900

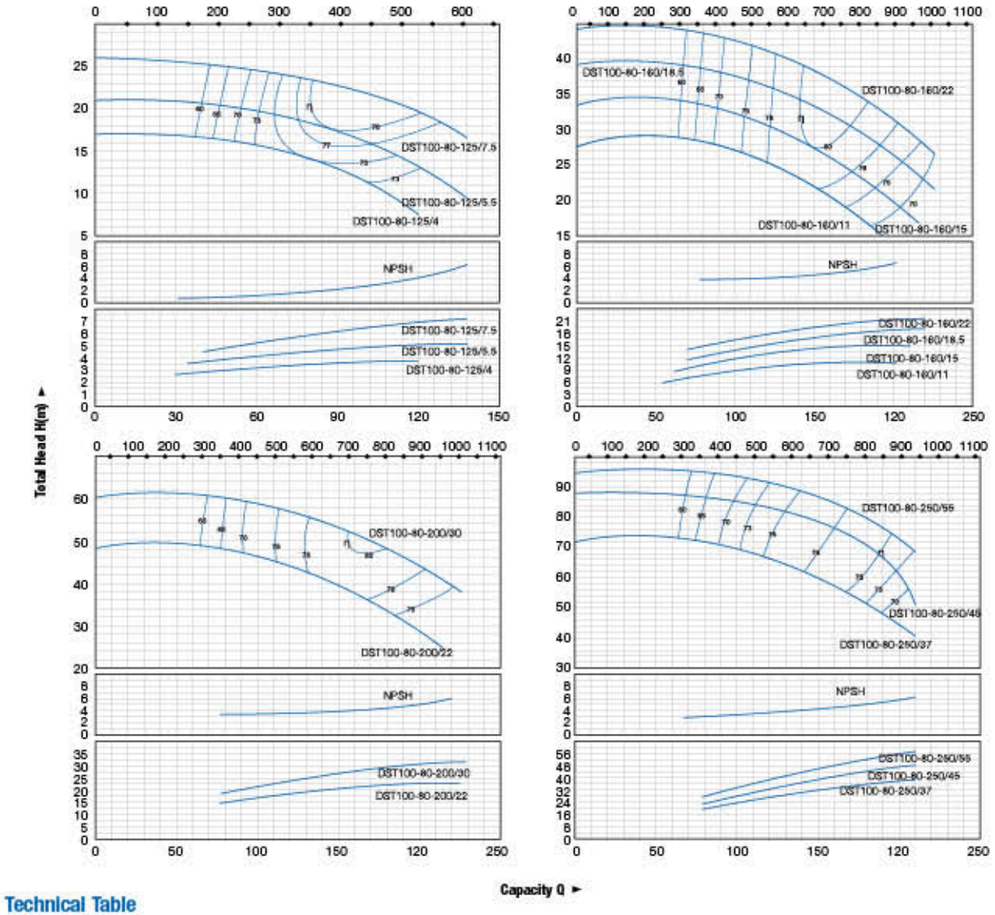
Performance Curves



Technical Table

Model	Inlet	Outlet	Rated. flow	Rated. head	Power	Speed
	(mm)	(mm)	(m³/h)	(m)	(kW)	(r/min)
DST80-65-125/4	80	65	84	13	4	2900
DST80-65-125/5.5	80	65	84	17.5	5.5	2900
DST80-65-125/7.5	80	65	84	23	7.5	2900
DST80-65-160/9.2	80	65	108	24	9.2	2900
DST80-65-160/11	80	65	108	28	11	2900
DST80-65-160/15	80	65	108	35	15	2900
DST80-65-200/15	80	65	108	36.5	15	2900
DST80-65-200/18.5	80	65	108	44.5	18.5	2900
DST80-65-200/22	80	65	108	52	22	2900
DST80-65-250/22	80	65	108	53	22	2900
DST80-65-250/30	80	65	108	70	30	2900
DST80-65-250/37	80	65	108	80.5	37	2900

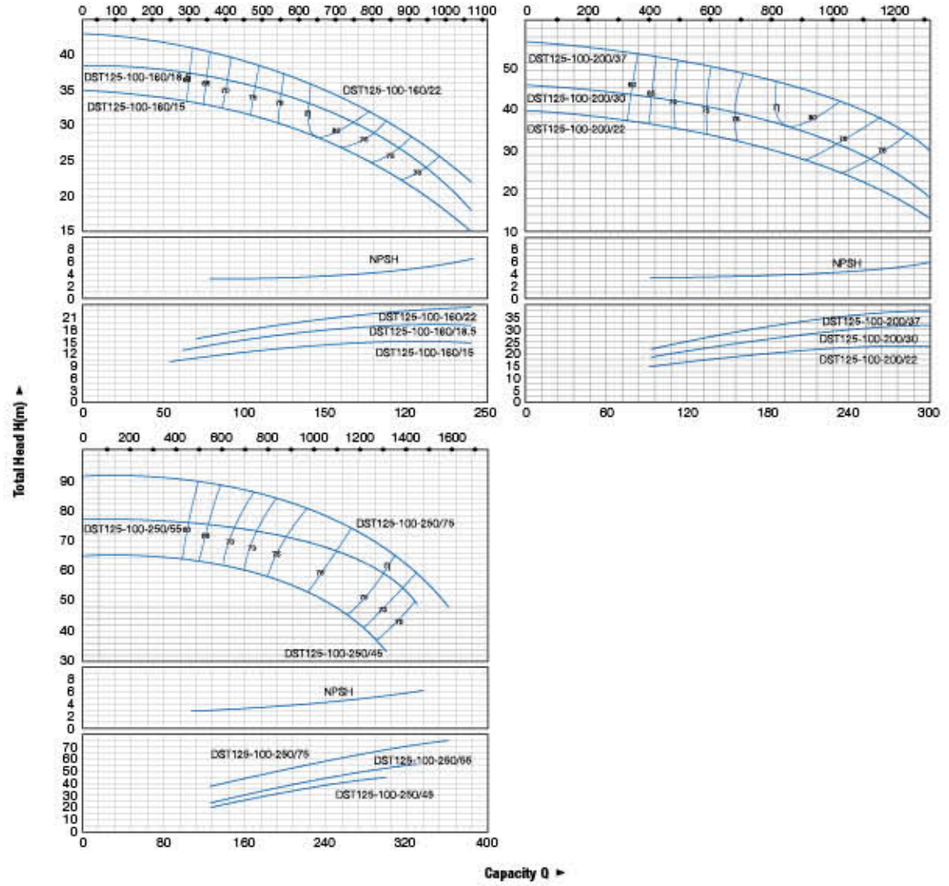
Performance Curves



Technical Table

Model	Inlet	Outlet	Rated. flow	Rated. head	Power	Speed
	(mm)	(mm)	(m³/h)	(m)	(kW)	(r/min)
DST100-80-125/4	100	80	84	13.5	4	2900
DST100-80-125/5.5	100	80	84	18	5.5	2900
DST100-80-125/7.5	100	80	84	23.8	7.5	2900
DST100-80-160/11	100	80	150	22	11	2900
DST100-80-160/15	100	80	150	27.5	15	2900
DST100-80-160/18.5	100	80	150	33.5	18.5	2900
DST100-80-160/22	100	80	150	38.5	22	2900
DST100-80-200/22	100	80	160	38	22	2900
DST100-80-200/30	100	80	160	51	30	2900
DST100-80-250/37	100	80	180	51	37	2900
DST100-80-250/45	100	80	180	70.5	45	2900
DST100-80-250/55	100	80	180	79.5	55	2900

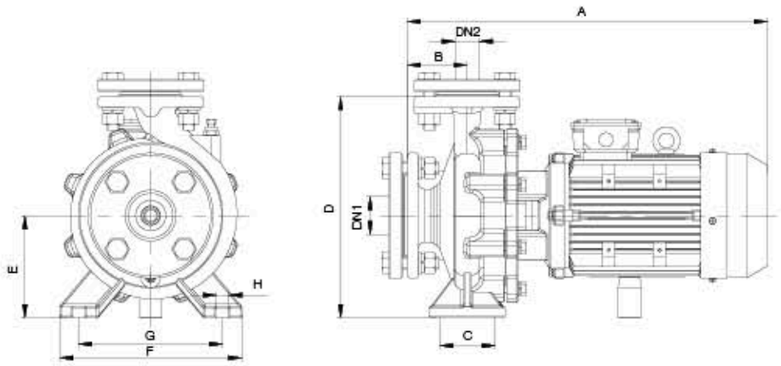
Performance Curves



Technical Table

Model	Inlet	Outlet	Rated. flow	Rated. head	Power	Speed
	(mm)	(mm)	(m³/h)	(m)	(kW)	(r/min)
DST125-100-160/15	125	100	144	27.8	15	2900
DST125-100-160/18.5	125	100	144	32.2	18.5	2900
DST125-100-160/22	125	100	144	35.2	22	2900
DST125-100-200/22	125	100	200	26.8	22	2900
DST125-100-200/30	125	100	200	34.2	30	2900
DST125-100-200/37	125	100	200	45	37	2900
DST125-100-250/45	125	100	240	50	45	2900
DST125-100-250/55	125	100	240	69	55	2900
DST125-100-250/75	125	100	240	78	75	2900

Dimension Drawing



Size

Model	Size(mm)									
	DN1	DN2	A	B	C	D	E	F	G	H
DST50-32-160/1.5	50	32	482	82	72	292	132	240	190	16
DST50-32-160/2.2	50	32	482	82	72	292	132	240	190	16
DST50-32-160/3	50	32	497	82	72	292	132	240	190	16
DST50-32-200/4	50	32	550	100	72	340	160	266	214	16
DST50-32-200/5.5	50	32	615	100	72	340	160	266	214	16
DST50-32-200/7.5	50	32	615	100	72	340	160	266	214	16
DST50-32-200/9.2	50	32	615	100	72	340	160	266	214	16
DST50-32-200/11	50	32	615	100	72	340	160	266	214	16
DST50-32-250/5.5	50	32	612	85	95	405	185	327	250	16
DST50-32-250/7.5	50	32	612	85	95	405	185	327	250	16
DST50-32-250/9.2	50	32	612	85	95	405	185	327	250	16
DST50-32-250/11	50	32	612	85	95	405	185	327	250	16
DST65-40-125/1.5	65	40	470	80	70	252	112	210	160	15
DST65-40-125/2.2	65	40	470	80	70	252	112	210	160	15
DST65-40-160/3	65	40	497	82	72	292	132	242	190	16
DST65-40-160/4	65	40	532	82	72	292	132	242	190	16
DST65-40-200/5.5	65	40	615	100	72	341	160	266	241	16
DST65-40-200/7.5	65	40	615	100	72	341	160	266	241	16
DST65-40-200/9.2	65	40	615	100	72	341	160	266	241	16
DST65-40-200/11	65	40	615	100	72	341	160	266	241	16
DST65-40-250/11	65	40	617	102	95	405	180	325	250	16
DST65-40-250/11	65	40	745	102	95	405	180	325	250	16
DST65-40-250/15	65	40	745	102	95	405	180	325	250	16
DST65-40-250/18.5	65	40	745	102	95	405	180	325	250	16
DST65-40-250/22	65	40	745	102	95	405	180	325	250	16
DST65-50-125/3	65	50	518	100	66	302	132	241	190	15
DST65-50-125/4	65	50	518	100	66	302	132	241	190	15
DST65-50-160/5.5	65	50	615	100	72	341	160	266	214	16
DST65-50-160/7.5	65	50	615	100	72	341	160	266	214	16
DST65-50-160/9.2	65	50	615	100	72	341	160	266	214	16
DST65-50-160/11	65	50	615	100	72	341	160	266	214	16
DST65-50-200/9.2	65	50	623	101	72	362	160	266	214	16

Model	Size(mm)									
	DN1	DN2	A	B	C	D	E	F	G	H
DST65-50-200/11	65	50	623	101	72	362	160	266	214	16
DST65-50-200/9.2	65	50	751	101	72	362	160	266	214	16
DST65-50-200/11	65	50	751	101	72	362	160	266	214	16
DST65-50-200/15	65	50	751	101	72	362	160	266	214	16
DST65-50-200/18.5	65	50	751	101	72	362	160	266	214	16
DST65-50-200/22	65	50	751	101	72	362	160	266	214	16
DST65-50-250/11	65	50	751	102	95	405	180	320	250	16
DST65-50-250/15	65	50	751	102	95	405	180	320	250	16
DST65-50-250/18.5	65	50	751	102	95	405	180	320	250	16
DST65-50-250/22	65	50	751	102	95	405	180	320	250	16
DST80-65-125/4	80	65	623	100	95	340	160	280	212	16
DST80-65-125/5.5	80	65	623	100	95	340	160	280	212	16
DST80-65-125/7.5	80	65	623	100	95	340	160	280	212	16
DST80-65-160/5.5	80	65	621	100	95	360	160	282	212	16
DST80-65-160/7.5	80	65	621	100	95	360	160	282	212	16
DST80-65-160/9.2	80	65	621	100	95	360	160	282	212	16
DST80-65-160/11	80	65	749	100	95	360	160	282	212	16
DST80-65-160/15	80	65	749	100	95	360	160	282	212	16
DST80-65-160/18.5	80	65	749	100	95	360	160	282	212	16
DST80-65-160/22	80	65	749	100	95	360	160	282	212	16
DST80-65-200/9.2	80	65	749	100	95	405	180	320	250	16
DST80-65-200/11	80	65	749	100	95	405	180	320	250	16
DST80-65-200/15	80	65	749	100	95	405	180	320	250	16
DST80-65-200/18.5	80	65	749	100	95	405	180	320	250	16
DST80-65-200/22	80	65	749	100	95	405	180	320	250	16
DST100-80-160/11	100	80	781	125	92	405	180	320	250	14
DST100-80-160/15	100	80	781	125	92	405	180	320	250	14
DST100-80-160/18.5	100	80	781	125	92	405	180	320	250	14
DST100-80-160/22	100	80	781	125	92	405	180	320	250	14
DST100-80-200/22	100	80	781	125	96	430	180	345	276	14
DST100-80-200/30	100	80	880	125	96	430	180	345	276	14
DST100-80-200/37	100	80	880	125	96	430	180	345	276	14

BZ

Self-priming Centrifugal Pump

CMI Use

Private House

Industrial Use



Application

Urban environmental protection
Domestic water supply
Fire fighting protection
Equipment cooling system
Spray irrigation, etc.

Operating Conditions

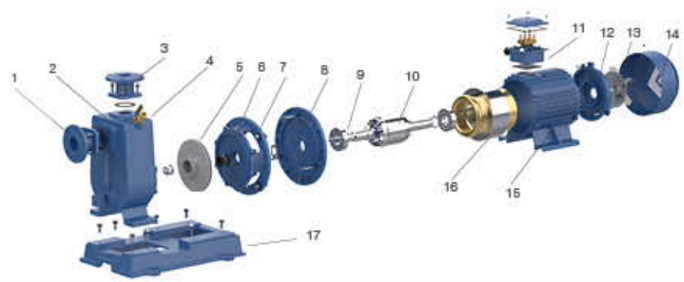
Max. ambient temperature: 40°C
Liquid temperature range: 0°C~70°C
Max.operating pressure: 10 bar

Model Instruction

BZ 40 - 20 - 1.5

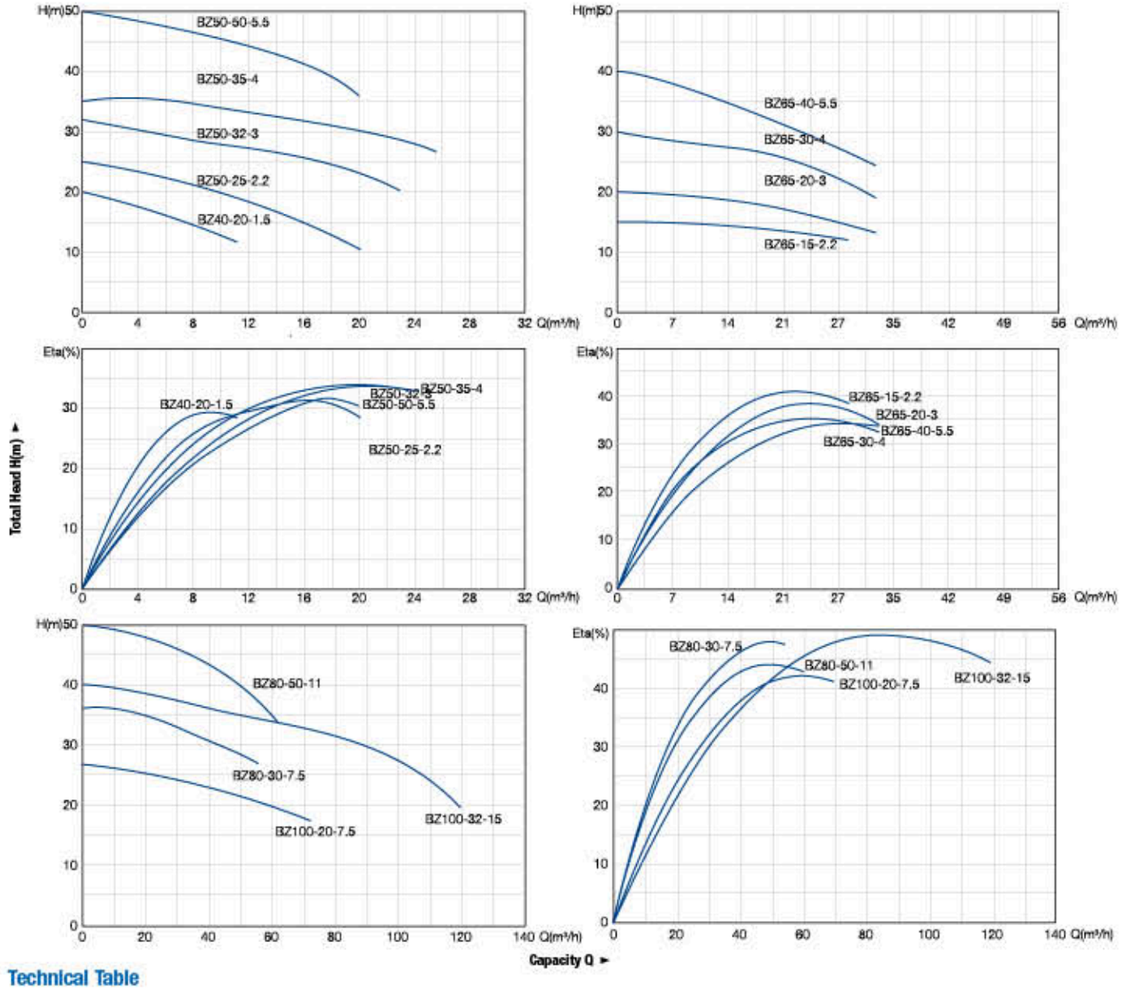
- Rated power of motor (kW)
- Max head(m)
- Inlet and Outlet diameter(mm)
- Series code

Model Analysis



NO.	Component	Materials	NO.	Component	Materials	NO.	Component	Materials
1	Inlet Flange	HT200	7	Connector	HT200	13	Fan	PP
2	Pump body	HT200	8	Front end cover	HT200	14	Fan cover	Carbon steel
3	Outlet Flange	HT200	9	Bearing	-	15	Motor base	HT200
4	Brass ball valve	-	10	Rotor	-	16	Stator	-
5	Impeller	HT200	11	Terminal box	Carbon steel	17	Pump base	HT200
6	Mechanical seal	Graphite silicon carbide	12	Rear cover	HT200			

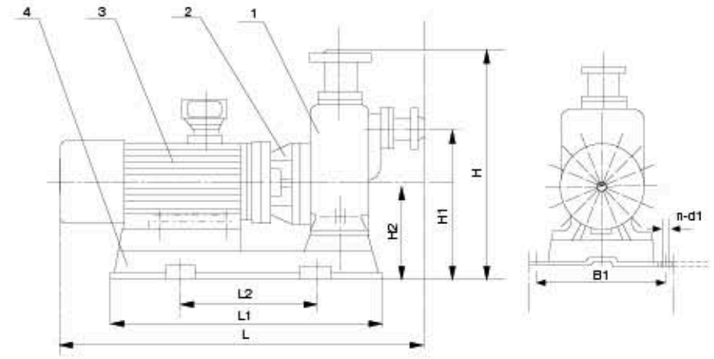
Performance Curves



Technical Table

Model	Inlet	Outlet	Max.flow	Max. head	Power	Voltage	Speed
	(mm)	(mm)	(m³/h)	(m)	(kW)	(V)	(r/min)
BZ40-20-1.5	40	40	11.5	20	1.5	380	2900
BZ50-25-2.2	50	50	20	25	2.2	380	2900
BZ50-32-3	50	50	23	32	3	380	2900
BZ50-35-4	50	50	25	35	4	380	2900
BZ50-50-5.5	50	50	20	50	5.5	380	2900
BZ65-15-2.2	65	65	28	15	2.2	380	2900
BZ65-20-3	65	65	32	20	3	380	2900
BZ65-30-4	65	65	32	30	4	380	2900
BZ65-40-5.5	65	65	32	40	5.5	380	2900
BZ80-30-7.5	80	80	55	36	7.5	380	2900
BZ80-50-11	80	80	60	50	11	380	2900
BZ100-20-7.5	100	100	70	27	7.5	380	2900
BZ100-32-15	100	100	120	40	15	380	2900

Dimension Drawing



Size

Model	Size(mm)													Weight
	L	H	B	L1	L2	H1	H2	B1	nxd1	DN	D1	D2	N-D	KG
BZ40-20-1.5	530	430	300	405	224	285	171	260	4×Φ12	40	130	100	4×Φ14	55
BZ50-25-2.2	575	475	300	435	271	295	183	258	4×Φ12	50	140	110	4×Φ14	59
BZ65-15-2.2	590	490	300	435	271	305	183	258	4×Φ12	65	160	130	4×Φ16	62.5
BZ50-32-3	630	475	350	470	258	295	186	303	4×Φ12	50	140	110	4×Φ14	75
BZ65-20-3	645	510	350	470	258	325	186	303	4×Φ12	65	160	130	4×Φ16	79
BZ50-35-4	640	515	380	490	300	370	200	340	4×Φ14	50	140	110	4×Φ14	84
BZ65-30-4	645	530	380	490	300	345	200	340	4×Φ14	65	160	130	4×Φ16	84
BZ50-50-5.5	690	530	385	530	340	370	223	340	4×Φ14	50	140	110	4×Φ14	112
BZ65-40-5.5	705	545	385	530	340	355	223	340	4×Φ14	65	160	130	4×Φ16	115
BZ80-30-7.5	930	585	390	530	340	365	223	340	4×Φ14	80	185	150	4×Φ18	128
BZ100-20-7.5	945	595	390	530	340	375	223	340	4×Φ14	100	205	170	8×Φ18	132
BZ80-50-11	885	640	470	680	420	420	244	415	4×Φ14	80	185	150	4×Φ18	197
BZ100-32-15	900	630	470	680	420	405	244	415	4×Φ14	100	205	170	8×Φ18	202

ZW

Self-priming Centrifugal Sewage Pump



CMI Use

Private House

Industrial Use

Application

Urban environmental protection
Domestic water supply
Fire fighting protection
Equipment cooling system
Spray irrigation, etc.

Operating Conditions

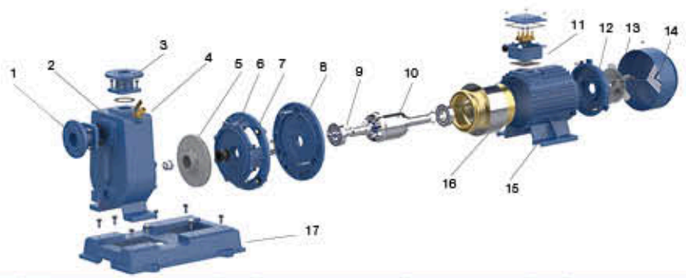
Max. ambient temperature: 40°C
Liquid temperature range: 0°C~70°C
Max.operating pressure: 10 bar

Model Instruction

40 ZW 8 - 15 - 1.5

- 40 — Inlet and Outlet diameter(mm)
- ZW — Series code
- 8 — Max Flow(m^3/h)
- 15 — Max head(m)
- 1.5 — Rated power of motor (kW)

Model Analysis



NO.	Component	Materials	NO.	Component	Materials	NO.	Component	Materials
1	Inlet Flange	HT200	7	Connector	HT200	13	Fan	PP
2	Pump body	HT200	8	Front end cover	HT200	14	Fan cover	Carbon steel
3	Outlet Flange	HT200	9	Bearing	-	15	Motor base	HT200
4	Brass ball valve	-	10	Rotor	-	16	Stator	-
5	Impeller	HT200	11	Terminal box	Carbon steel	17	Pump base	HT200
6	Mechanical seal	Alloy on silicon carbide	12	Rear cover	HT200			

Technical Table

Model	Flow ability	Power		Q(m^3/h)	0	2	4	6	8	10
	Solid diameter	kW	HP	Q(l/min)	0	33.3	66.7	100.0	133.3	166.7
40ZW8-15	25mm	1.5	2	H(m)	14.5	13.8	13.2	12.1	11	9.5

Model	Flow ability	Power		Q(m^3/h)	0	5	10	15	20	25	30
	Solid diameter	kW	HP	Q(l/min)	0	83.3	166.7	100.0	250.0	333.3	500
50ZW10-20	30mm	2.2	3	H(m)	22.3	20.5	18.6	16.2	14.6	7.7	-
50ZW15-30	30mm	3	4		30	28.4	26.8	24.3	21	17.7	5

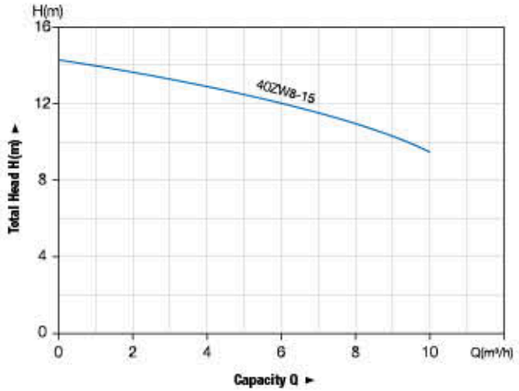
Model	Flow ability	Power		Q(m^3/h)	0	10	20	30	40	50	60	70	80
	Solid diameter	kW	HP	Q(l/min)	0	166.7	333.3	500	666.7	833.3	1000	1333.3	1666.7
65ZW20-30	40mm	5.5	7.4	H(m)	30	26.2	24	21.8	18.3	-	-	-	-
65ZW30-18	40mm	4	5.4		19	17.6	16	14	12	10.5	8	-	-
65ZW40-50	40mm	11	16		58	53	49.5	47	44	41	39.5	35	25

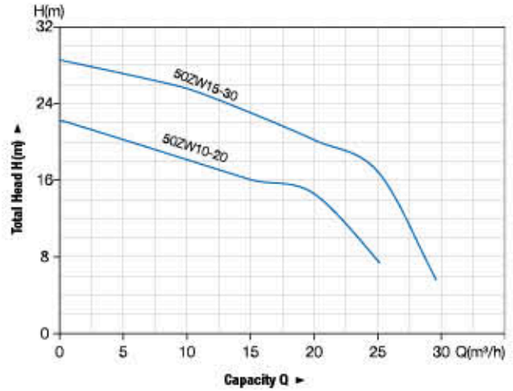
Model	Flow ability	Power		Q(m^3/h)	0	10	20	30	40	50	60	65
	Solid diameter	kW	HP	Q(l/min)	0	166.7	333.3	500	666.7	833.3	1000	1083.3
80ZW40-16	48mm	4	5.4	H(m)	25	22.7	20.5	18.3	16.1	14	10.3	-
80ZW50-20	48mm	5.5	7.4		37.5	35	33	29.6	26.4	23.2	18	-
80ZW65-25	48mm	7.5	10		38.5	34.4	31	30	25	20.2	14	10.3
80ZW65-55	48mm	15	20		53.9	52	49.5	46.3	43	38.8	34	31.5

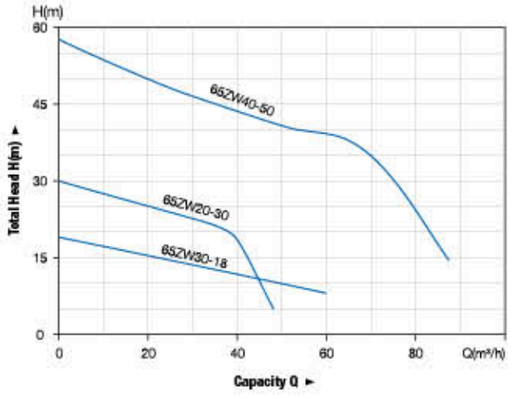
Model	Flow ability	Power		Q(m^3/h)	0	20	40	60	80	100	110	120
	Solid diameter	kW	HP	Q(l/min)	0	333.3	666.7	1000	1333.3	1666.7	1833.3	2000
100ZW80-20	60mm	7.5	10	H(m)	20.8	24	22	18.5	15.5	11	7.5	-
100ZW100-15	60mm	7.5	10		22.5	20.4	18.6	16.4	14.5	11.7	-	-
100ZW100-35	70mm	22	29.7		59.5	58.5	55	50.5	46	34	29.5	21

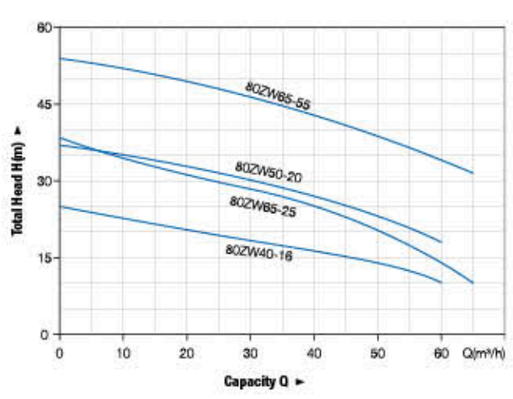
Model	Flow ability	Power		Q(m^3/h)	0	45	90	135	180	225
	Solid diameter	kW	HP	Q(l/min)	0	750	1500	2250	3000	3750
150ZW180-14	80mm	15	20.1	H(m)	21.2	18.6	16.2	14.2	11.1	14.5

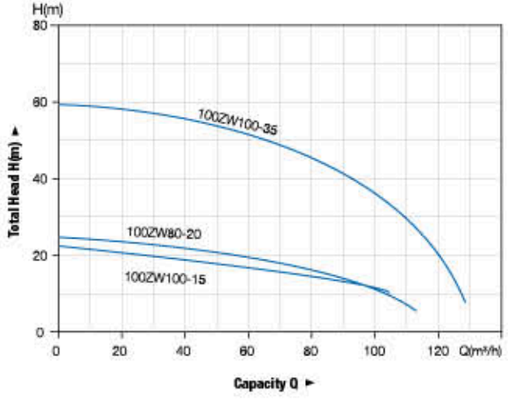
Performance Curves

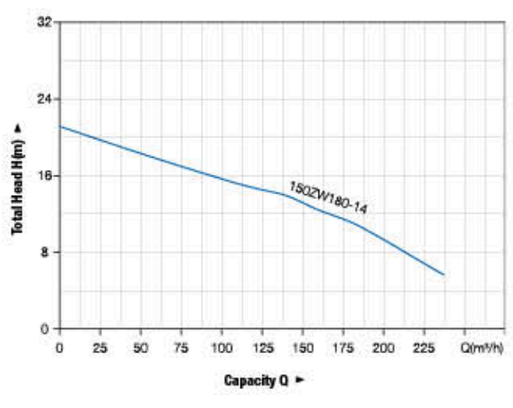




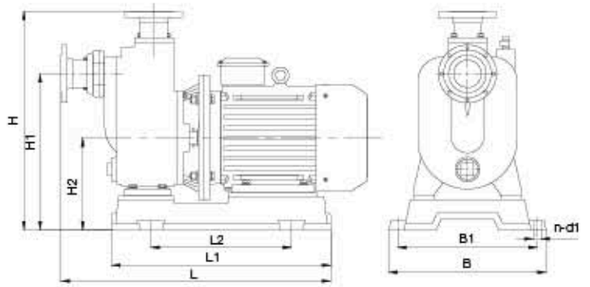








Dimension Drawing



Size

Model	Size(mm)									Weight
	L	H	B	L1	L2	H1	H2	B1	nxd1	KG
40ZW8-15	568	460	296	460	237	298	172	256	4×Φ14	47
50ZW10-20	605	472	297	445	238	293	169	255	4×Φ15	54
50ZW15-30	655	510	333	505	275	345	200	292	4×Φ14	67
65ZW20-30	809	617	410	575	337	458	264	365	4×Φ16	138
65ZW30-18	785	585	395	535	318	415	240	356	4×Φ15	132
65ZW40-50	964	610	465	670	420	449	260	415	4×Φ15	197
80ZW40-16	712	555	375	490	293	380	220	333	4×Φ14	150
80ZW50-20	809	636	410	575	337	458	264	365	4×Φ16	155
80ZW65-55	966	630	465	670	420	449	259	415	4×Φ15	216
100ZW80-20	808	635	410	575	337	458	265	365	4×Φ16	159
100ZW100-15	874	773	505	670	330	513	296	446	4×Φ15	229
100ZW100-35	1087	810	415	780	545	552	318	375	4×Φ18	302
150ZW180-14	1125	825	400	830	590	576	332	360	4×Φ18	326