Point™
pumps

Technology.
Innovation.
Commitment.

MULTISTAGE PUMPS

CE

Enhance your life

Enhance your life

Contents

Company Profile

Our Vision

To satisfy the needs of people everywhere through the supply of technologically superior products and services.

It is this vision that inspires Sharp to deliver products that aptly meet the needs of the market, building an unshakeable trust in millions of homes through the years. Sharp Pumps Pvt. Ltd, started in 1986, is a leader in Monobloc Water Pumps in India. Working on the basis of sound science, Sharp has created products, which are now household names relied on for the smooth functioning of daily lives in India.

Technology

The driving force behind our success.

Technology is the cornerstone of Sharp products and services. Given the fast pace of change in technology it is imperative for every successful company to stay ahead of the times. Sharp ensures research and study in the field of water pumps and ensures use of the same in continuously upgrading the quality.

Quality

Strict to ensure safety and longevity of products

By applying rigorous standards of Quality, Sharp has been able to deliver sustained success through the years. Whether it's about the safety of the products or their longevity, the processes and tests at Sharp ensure the customer gets the best every time.

Commitment

Inspired to perform for over 2 decades

Technology performance is driven by commitment – to values, to the customer, to processes at Sharp. Every customer is important and every interaction is unique. Keeping this in mind, Sharp maintains a total commitment to exceptional standards of performance and productivity, to working together effectively and to a willingness to embrace new ideas and learn continuously.

Social Conscience

Sharp exhibits high standards of corporate behavior towards employees, customers, the societies, and the world. This is Sharp's road to sustainable, profitable growth for long-term value creation.

Through different projects, Sharp provides care for needy patients, education and support for physically challenged children, basic education for children in rural areas, employment oriented technical education and support to government relief measures in natural calamities and more.

Infrastructure











Multistage pumps

Multistage inline pumps are designed to boost the inline flow pressure of the water traveling from one point to another. In a multistage inline pump, the water passes through each stage with an increase in the pressure. The pumps are suitable for transferring the liquid between various operations in any process industry, Water distribution systems, Cleaning systems, Pumping Sea water, Pumping of acids and alkalis, Ultra filtration and Reverse Osmosis systems and Fire fighting applications.

In a Multistage pump, the desired Flow and Pressure can be obtained with a relatively smaller motor size when compared with the classical centrifugal pump. Multistage inline pumps are generally used for services requiring higher head that cannot be generated by single stage pumps. Different variants are available based on the customer needs.

(1) Horizontal Multistage Pump - PH Range
(2) Vertical Multistage Inline Pump - PR Range

PH Range

Horizontal Multistage pump can be used for water circulation and mini RO Systems. The maximum operating pressure of these pumps is up to 6Kg/cm^2 and the flow range is from 1m^3 to 4m^3. All wetted and rotating components are manufactured in Stainless Steel. A wide range of Seals are available for different applications. These pumps are foot mounted and are meant for

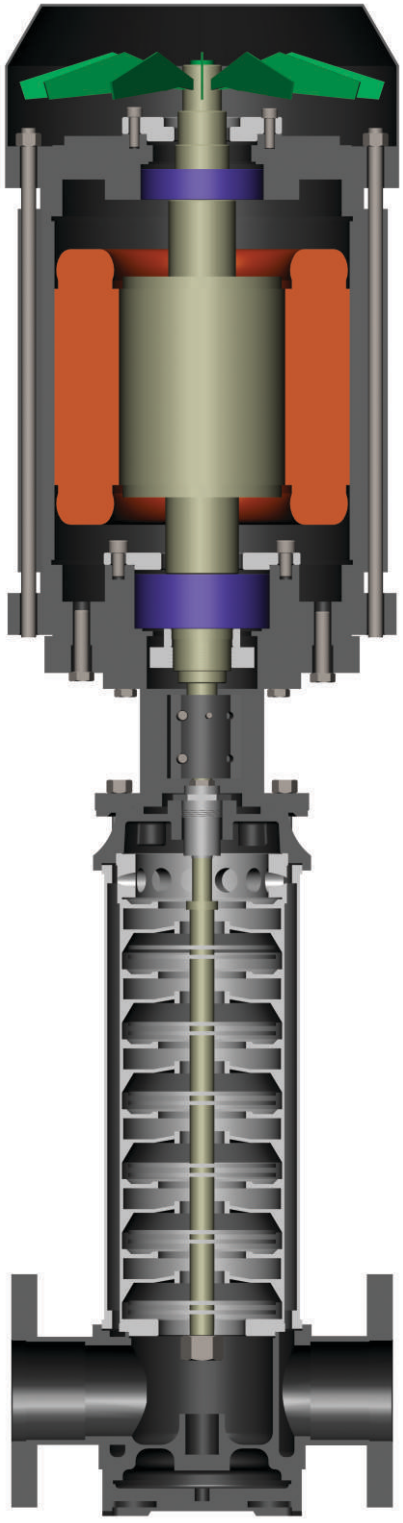
- Pressure Boosting Systems
- Pressure Jet Cleaning
- Water Distribution
- Refrigerant Recycling
- Very Light and Non Aggressive Chemicals Transfer

PR Range

Vertical Multistage inline pump can be used for a wide range of applications. These pumps are also available in various material combinations. The maximum operating pressure of these pumps is up to 25 Kg/cm^2 and the flow range is from 1 m^3 to 90 m^3. A wide range of Seals are available for different applications. These pumps are foot mounted and are meant for

- Pressure Boosting Systems
- Process Water Systems
- Cleaning Systems
- Sea Water Systems
- Ultra Filtration Systems
- Reverse Osmosis Systems
- Fire Fighting

The Inside Picture



Technology

The technology of multistage pump is characterized by its ability to deliver a high constant pressure and a considerable flow. The Multistage Pumps are designed and manufactured to provide smooth, quiet operation and easy installation with minimum floor space.

All pressure-producing components are made of polished Stainless Steel for greater corrosion resistance, longer life and higher operating efficiency.

Each model is available with multiple impellers to maximize operating efficiencies and to reduce power consumption for any duty point.

The pump is checked during each stage of the assembly process up to the final stage, wherein every pump is checked for flow, pressure, power consumption, leaks, vibration and noise.

Material options

Multi-Stage Centrifugal Pumps are available in both Stainless Steel and Cast Iron fitted models with the following features:

Pump Shaft - Stainless Steel

Castings - Cast Iron, Stainless Steel and Carbon Alloy Steel

Impeller - 1.4306 DIN W.-Nr., 1.4401 DIN W.-Nr., 1.4024 DIN W.-Nr., 1.4301 DIN W.-Nr., Gun Metal, DIN 1705, DIN 17662 /17672 and cast iron GG20.

Seal Solutions

Seals are mounted internally wherein the Stationary part is ceramic or silicon carbide or carbon or tungsten carbide and the Dynamic part is either carbon or tungsten carbide or silicon carbide.

Motors

Motors, developed and manufactured are standard and can be used virtually for any application. Available in a variety of configurations, Point motors meet the demands of the pumping environment and the pumped liquid itself.

Efficiency

To make a positive impact in the pump efficiency level effective measures have been taken in designing every component. Superior manufacturing methods are adopted to achieve higher efficiencies.

Durability

The best material, high quality manufacturing methods and rigorous safety tests are conducted to ensure superior strength and durability of each product.

MOTOR

Motors, developed and manufactured are standard and can be used virtually for any application. Available in a variety of configurations, Point motors meet the demands of the pumping environment and the pumped liquid itself.

What follows is a synopsis of some of the most common motor variants offered by us. However this covers only a fragment of the total motor range. Motors can also be customized if the requirements are not covered by the overview

- ☐ Special Supply Voltages
- ☐ Extreme Operating Conditions
- ☐ Special motor protection
- ☐ Specific approval
- ☐ Special motor design

Solution	Description
Motors - VFD (Variable Frequency Drive)	The motors with VFD options can operate at different speeds in order to the optimize pump performance based on the application.
Slow speed motors	Slow speed motors are also available to obtain ☐ Gentle handling of liquid ☐ Pumping at low NPSH level ☐ Reduce noise emission Advance control can measure and adapt to special applications, e.g.; ☐ Extended protection of process ☐ Extended protection of pump and drive ☐ Pump performance curve adjusted to match individual applications Standard motors have built-in motor protection, pump monitoring and onboard regulator and sensor supply for control of primary process.
Thermal Over Load Protection	Motors with a built-in bimetallic thermal overload protector are available.
Special Voltage	Motors suitable for any supply voltage, single or three phase, as well as dual voltage options.
Certificates	The Point Pumps laboratory is glad to issue various certificates for motors ☐ Noise ☐ Vibration ☐ Performance ☐ Efficiency
Four - Pole Motor	Four pole motors for applications where very low noise levels are required or for application that do not allow whipping of pumped liquid.
Over or Under Size Motors	For use where the viscosity or density is different from that of water, installations where the altitude exceeds 1000m or where the ambient temperature is very high.
Terminal Box	The terminal box can be replaced on four sides of the pump depending on installation area.
Enclosure Class	Enclosure class IP 55 is standard on Point Pump motors. Enclosure class IP 65, IP 54 and IP 44 are available as options.

SEALS

Extreme liquids call for extreme measures, when it comes to a pumping system. Most pumps are used for watery liquids at temperature below 80°C and pressure less than 10Kg/cm^2 wherein standard seals are used. When the liquid parameters exceed these limits, special shaft seal solutions are adopted to guarantee reliable operation.

What follows is a synopsis of some of the most common shaft seal variants offered by us. However this covers only a fragment of the total shaft seal range. Shaft seals can also be customized if the requirements are not covered by the overview. Mechanical seal in accordance with DIN EN 12756

- Aggressive or corrosive liquids
- Abrasive liquids
- Poisonous and / or explosive liquids
- High viscosity and / or sticky liquids
- Extraordinary high pressure
- Extraordinary high or low temperature

Solution	Description
Double shaft back - to - back seal	For applications involving dangerous, flammable and very abrasive liquids, a double shaft back - to - back seal, fitted in a pressure chamber can be used.
Shaft seal variants	Wide range of balanced catridge shaft seals with different seal faces such as Silicon Carbide, Carbon and Tungsten Carbide is also available to handle almost any industrial liquid.
Rubber materials	Based on the liquid, a variety of materials like EPDM, Viton, Silicon, Neoprene and Nitrile are available.

SHAFT

Multistage Pump Shafts are designed and manufactured in 1.4306 DIN W.-Nr., 1.4401 DIN W.-Nr. and 1.4024 DIN W.-Nr.

CASTINGS

PH, PV and PR range pumps exposed to high pressure and corrosive atmosphere and suitable for any application.

The components are available in a wide range of materials like Cast Iron, Alloy steel and Stainless Steel combined with various treatment processes.

Material composition standards adhere to IS, DIN, ASTM, etc.,

Hygienic

For food processing, pharma industries special hygienic materials are available.

Solution	Description
Hygienic	Special casting materials with electro polishing.
Acids	Alloy steel castings and Stainless Steel combination with various treatments.
Soft water distribution	Cast iron, Stainless Steel, Alloy steel castings.
Light and Non Aggressive Chemical transfer	Stainless Steel castings, Alloy castings with various treatments.
Grey water Transfer	Cast iron, Stainless Steel, Alloy steel

FLANGES

Flanges are available in Oval, Round and Square shapes. Various material combinations are available for special applications.

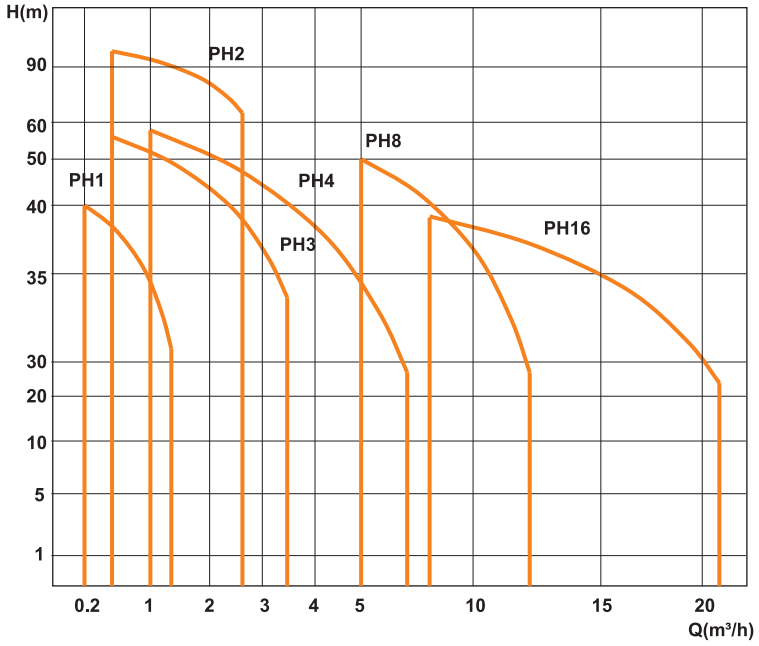
Material specification Standards and mounting standards are suitable to IS, DIN.

IMPELLER / DIFFUSER

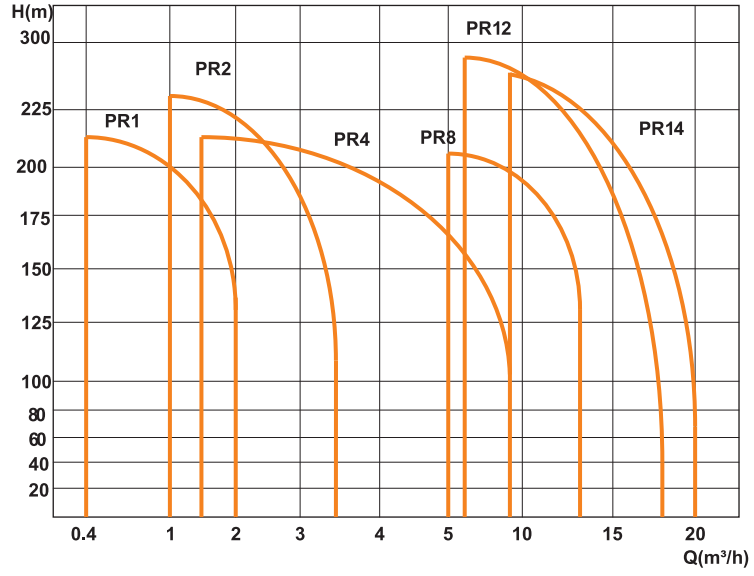
Multistage pump Impellers and Diffusers are designed and manufactured for high hydraulic efficiency and less loss. The Impellers are dynamically balanced. The Impellers and Diffusers are available in various material grades like 1.4024 DIN W.-Nr., 1.4306 DIN W.-Nr., 1.4401 DIN W.-Nr., Carbon alloy Steels, non ferrous materials like Gun metal, Forged brass, DIN 1705, DIN 17662/17672, Cast Iron GG 20, Investment castings like 1.4301, 1.4304 DIN W.-Nr., etc. Fabricated Impellers and Diffusers are also available.

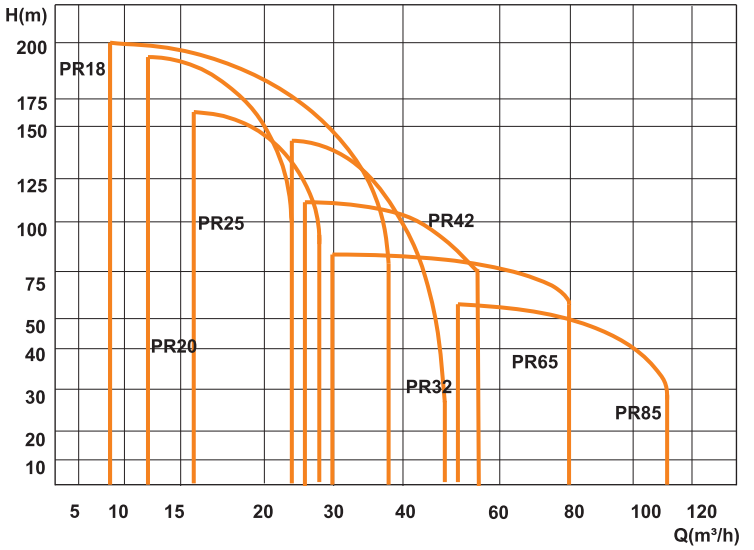
ATLAS CURVE

PH Range



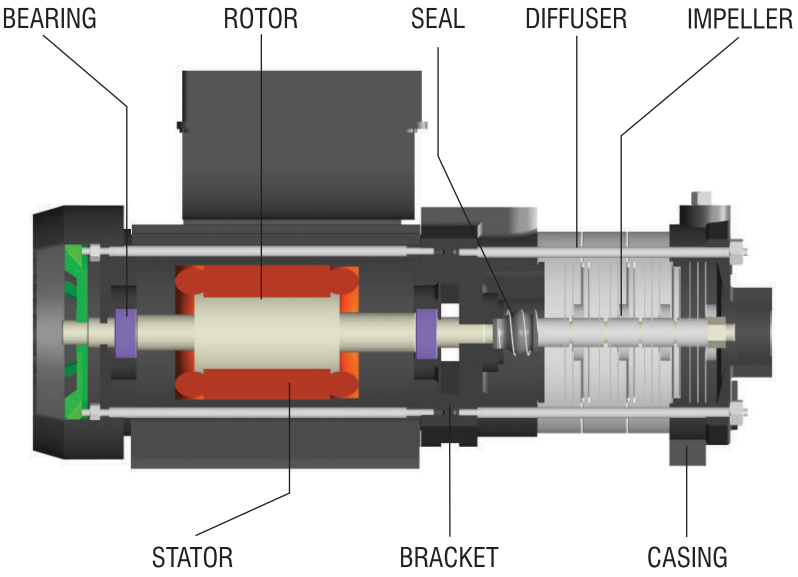
PR Range



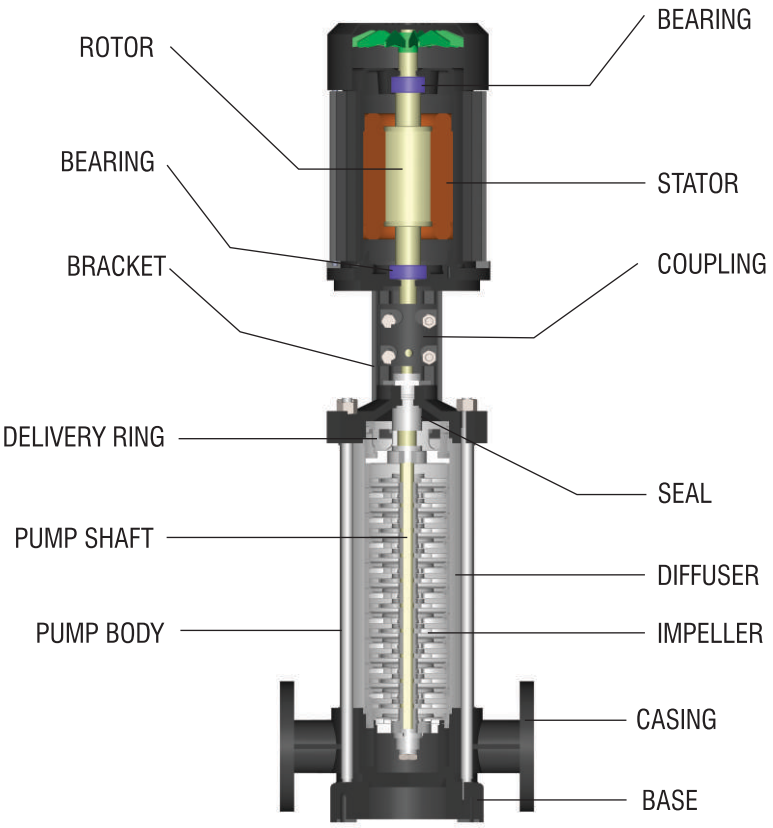


TECHNICAL DETAIL

PH Range



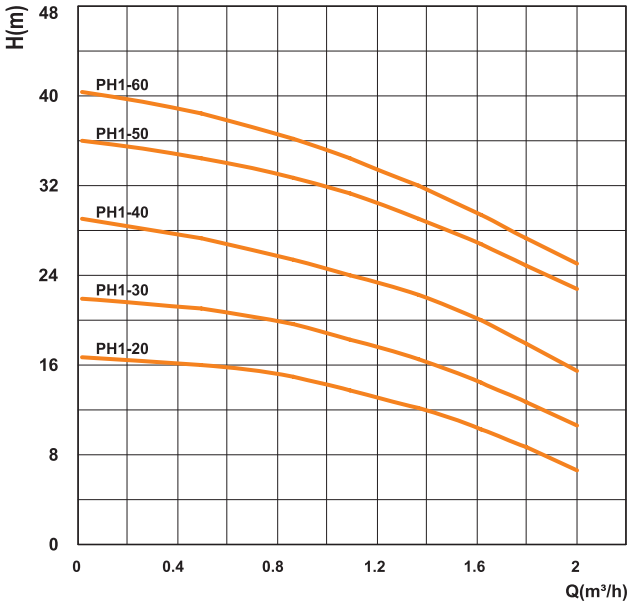
PR Range

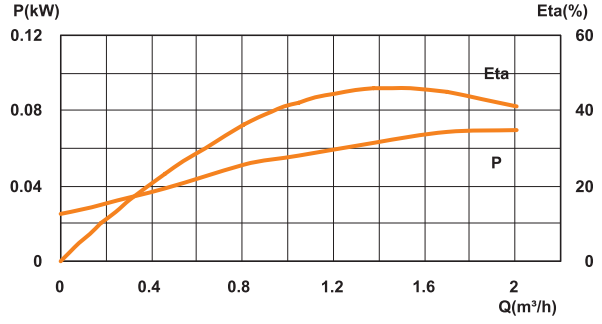


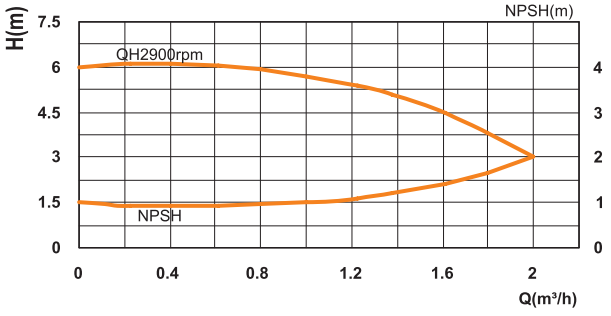
PH RANGE

PH1

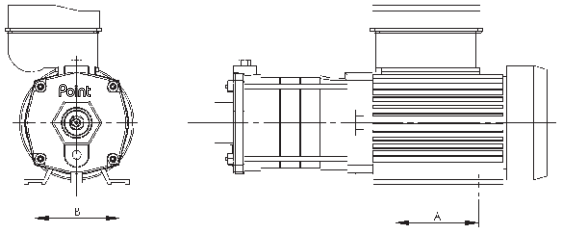
Performance Curve







Dimensional Detail



S.No.	Model	A	B
1	PH1 - 20	90	112
2	PH1 - 30		
3	PH1 - 40		
4	PH1 - 50	103	128
5	PH1 - 60		

Pipe Size: DN 25 X DN 25

*All dimensions are in mm

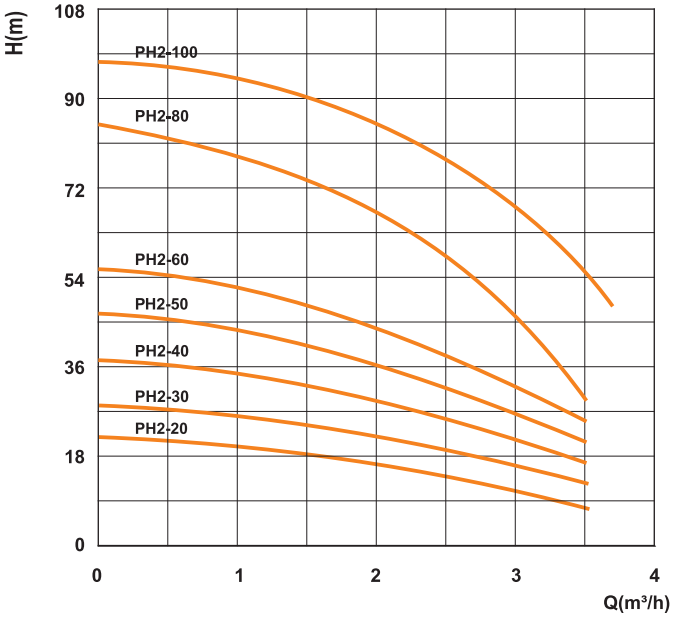
Performance Table

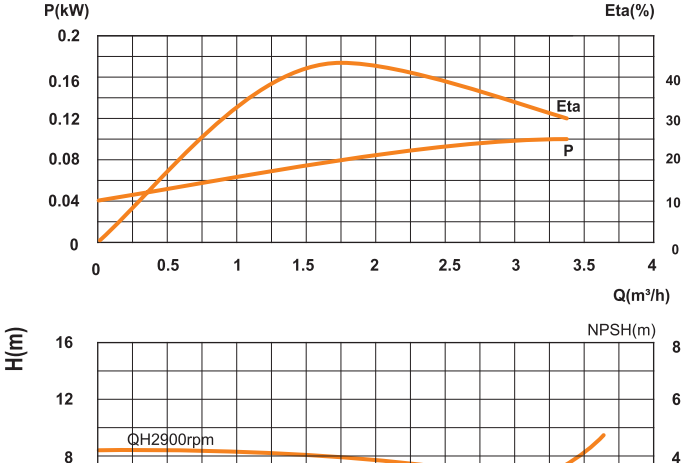
S.No	Model	Motor Power HP / kW	Q(m³/h)	0.2	0.4	0.6	0.8	1	1.2	1.4
1	PH1 - 20	0.5 / 0.37	Head(m)	16.5	16	15.5	15	14	13	12
2	PH1 - 30	0.5 / 0.37		22	21	21	20	19	18	16
3	PH1 - 40	0.75 / 0.6		28	27.5	26.5	26	24.5	23	22
4	PH1 - 50	1 / 0.7		35.5	35	34	33	32	30.5	29
5	PH1 - 60	1 / 0.7		40	39	38	36.5	35	33.5	31.5

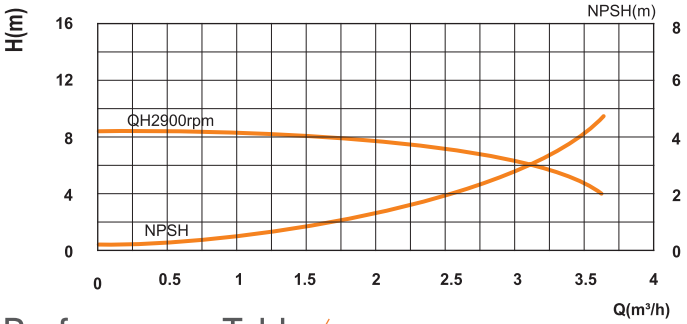
PH RANGE

PH2

Performance Curve







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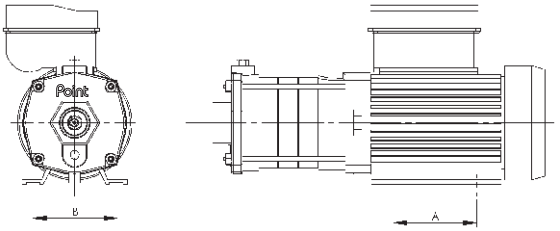


S.No.	Model	A	B
1	PH2 - 20	90	112
2	PH2 - 30		
3	PH2 - 40		
4	PH2 - 50	103	128
5	PH2 - 60		

Pipe Size: DN 25 X DN 25

*All dimensions are in mm

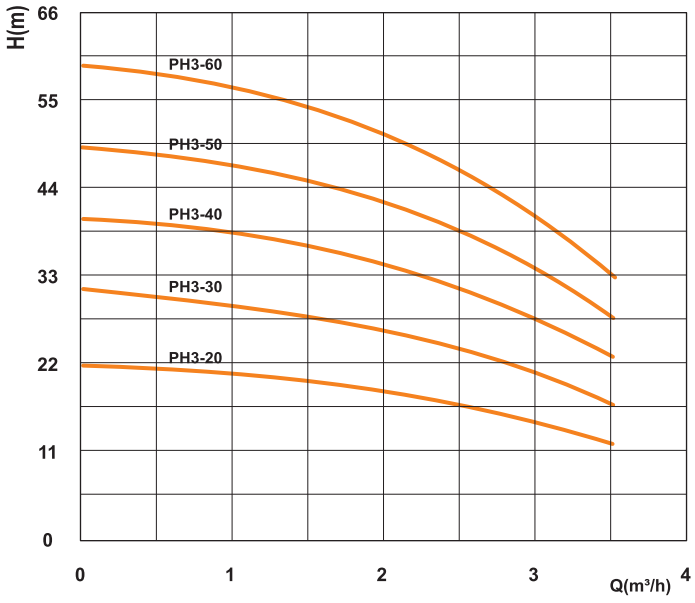
Performance Table

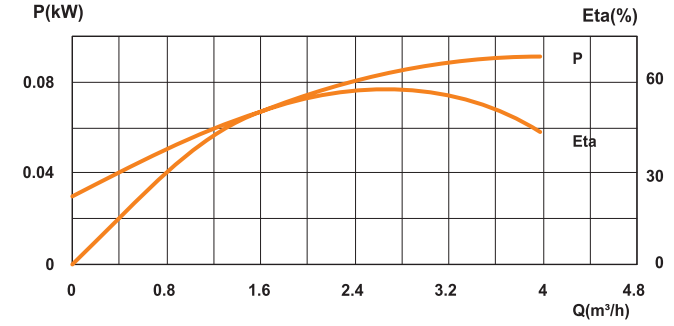
S.No	Model	Motor Power HP / kW	Q(m³/h)	0.4	0.8	1.2	1.6	2	2.4	2.8
1	PH2 - 20	0.5 / 0.37	Head(m)	21	20.5	20	18.5	17	15	12.5
2	PH2 - 30	0.75 / 0.6		28.5	28	27	25	23.5	20.5	17
3	PH2 - 40	1 / 0.7		37.5	36.5	35	33	30.5	27	23
4	PH2 - 50	1 / 0.7		46	44.5	43	39.5	36	32	28
5	PH2 - 60	1.5 / 1.1		56	53	51	48	44	39	34
6	PH2 - 80	2 / 1.5		82	80	77	74	70	64	54
7	PH2 - 100	2.5 / 2.0		94	92	90	86	83	77	70

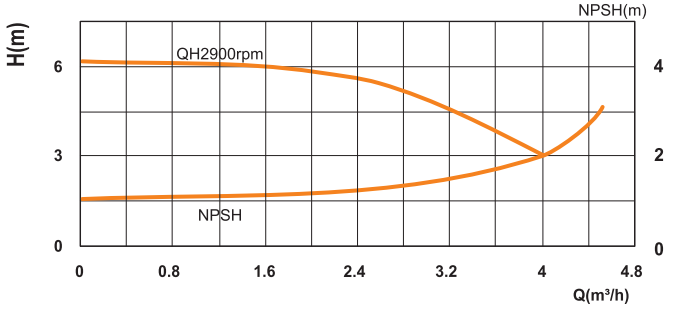
PH RANGE

PH3

Performance Curve







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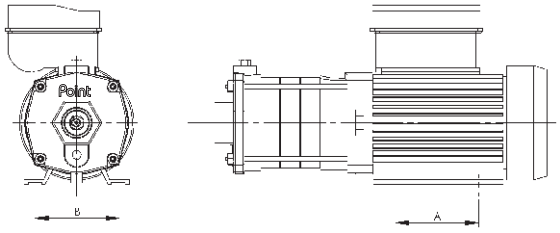


S.No.	Model	A	B
1	PH3 - 20	90	112
2	PH3 - 30		
3	PH3 - 40		
4	PH3 - 50	156	118
5	PH3 - 60		

Pipe Size: DN 32 X DN 25

*All dimensions are in mm

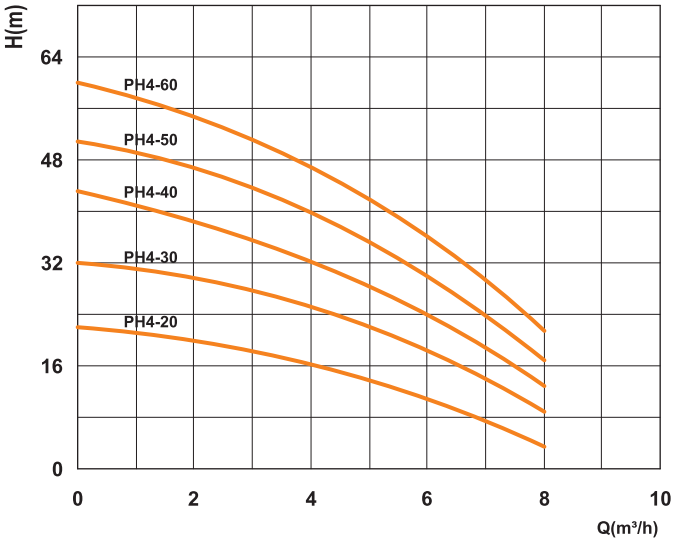
Performance Table

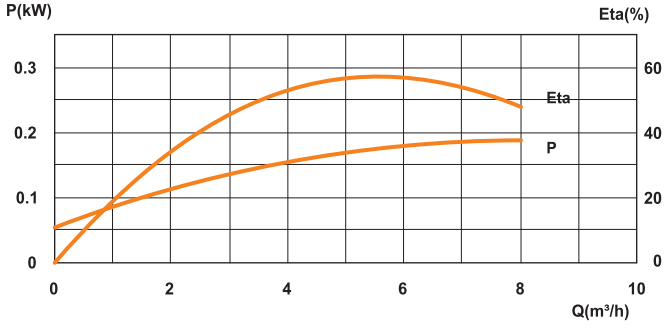
S.No	Model	Motor Power HP / kW	Q(m³/h)	0.5	1	1.5	2	2.5	3	3.5
1	PH3 - 20	0.5 / 0.37	Head(m)	21	20	19	18	17	15	12
2	PH3 - 30	0.75 / 0.6		30	29	28	26	24	21	17
3	PH3 - 40	1 / 0.7		39	38	36	34	31	27	23
4	PH3 - 50	1.5 / 1.1		48	47	45	42	38	34	28
5	PH3 - 60	2 / 1.5		58	56	54	51	46	40	33

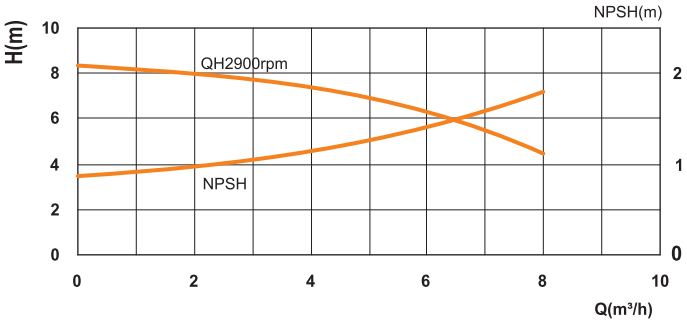
PH RANGE

PH4

Performance Curve







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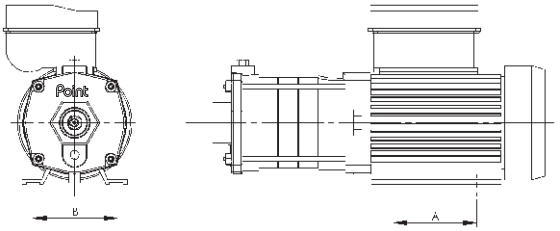


S.No.	Model	A	B
1	PH4 - 20	90	112
2	PH4 - 30		
3	PH4 - 40		
4	PH4 - 50	156	118
5	PH4 - 60		

Pipe Size: DN 32 X DN 25

*All dimensions are in mm

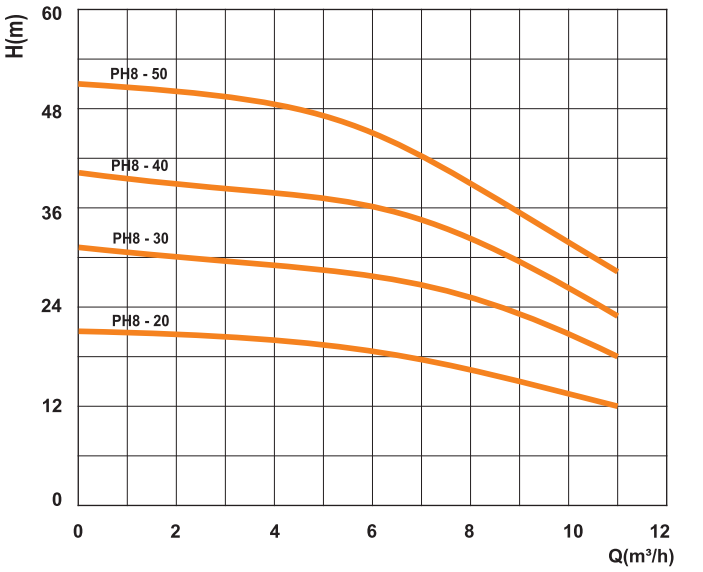
Performance Table

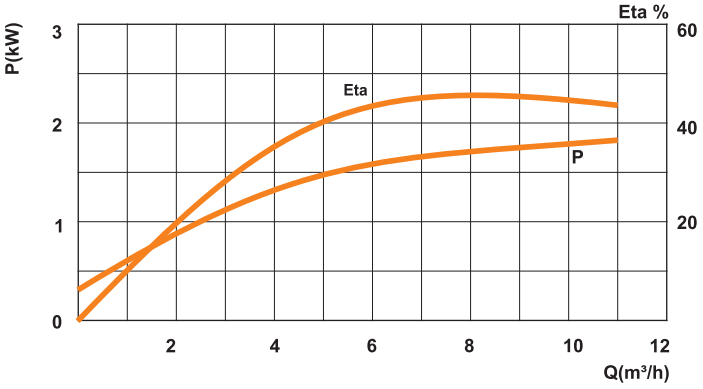
S.No	Model	Motor Power HP / kW	Q(m³/h)	1	2	3	4	5	6	7
1	PH4 - 20	0.75 / 0.6	Head(m)	22	21	19	16	14	11	7
2	PH4 - 30	1 / 0.7		31	30	28	26	21	18	14
3	PH4 - 40	1.5 / 1.1		41	37	36	33	29	24.5	19
4	PH4 - 50	2 / 1.5		49	48	44	40	36	30	24
5	PH4 - 60	2.5 / 2.0		58	56	52	48	43.5	36.5	29

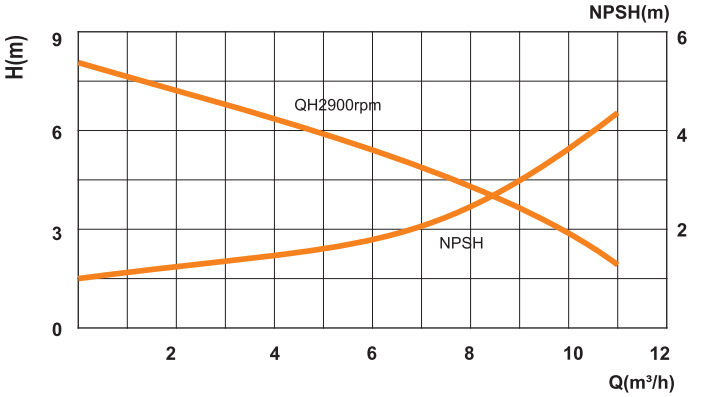
PH RANGE

PH8

Performance Curve







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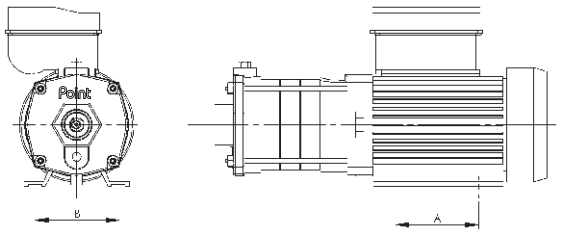


S.No.	Model	A	B
1	PH8 - 20	90	112
2	PH8 - 30		
3	PH8 - 40	156	118
4	PH8 - 50		

Pipe Size: DN 50 X DN 50

*All dimensions are in mm

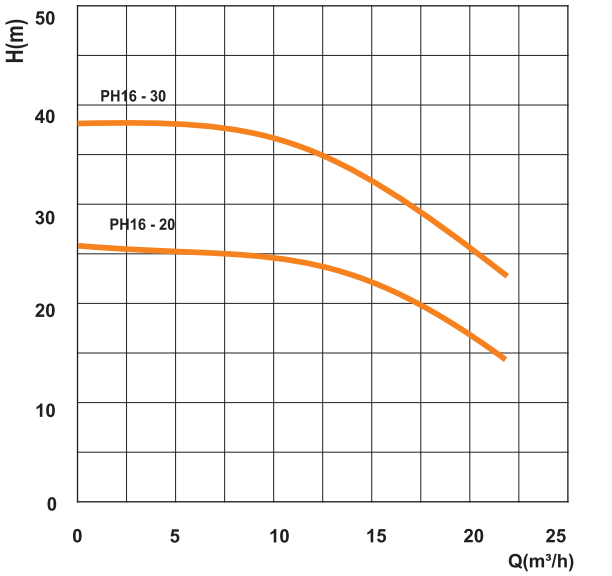
Performance Table

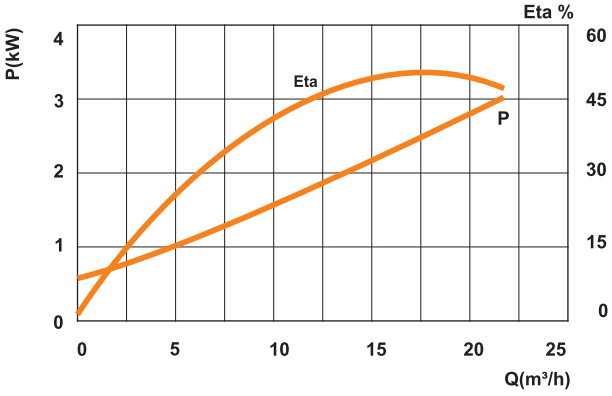
S.No	Model	Motor Power HP / kW	Q(m³/h)	5	6	7	8	9	10	11
1	PH8 - 20	1 / 0.75	Head(m)	19	18	17	16	15	13	11
2	PH8 - 30	1.5 / 1.1		29	28	27	25	22	20	17
3	PH8 - 40	2.0 / 1.5		39	38	36	34	30	26	22
4	PH8 - 50	3.0 / 2.2		49	47	45	42.5	38	33	28

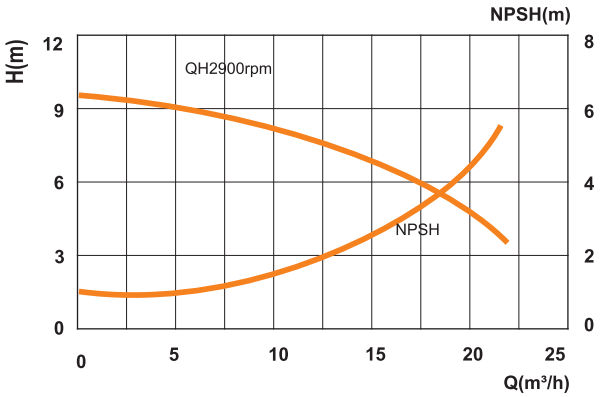
PH RANGE

PH16

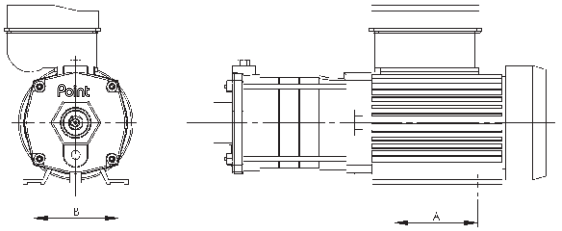
Performance Curve







Dimensional Detail



S.No.	Model	A	B
1	PH16 - 20	156	118
2	PH16 - 30		

Pipe Size: DN 50 X DN 50

*All dimensions are in mm

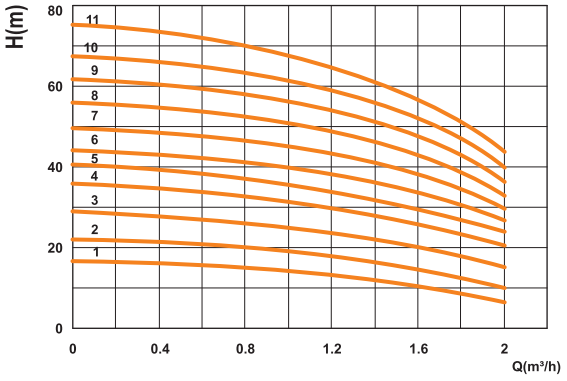
Performance Table

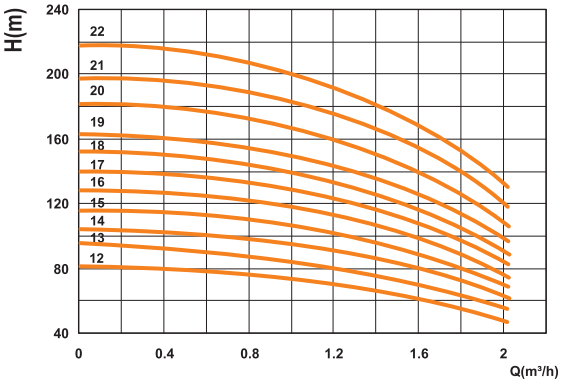
S.No	Model	Motor Power HP / kW	Q(m³/h)	8	10	12	14	16	18	20	22
1	PH16 - 20	3 / 2.2	Head(m)	25	24	23	22	21	19	17	14
2	PH16 - 30	4.0 / 3.0		38	37	36	34	32	30	27	23

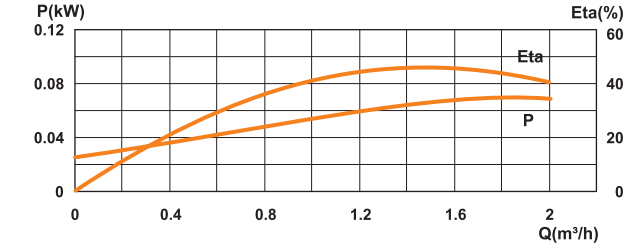
PR RANGE

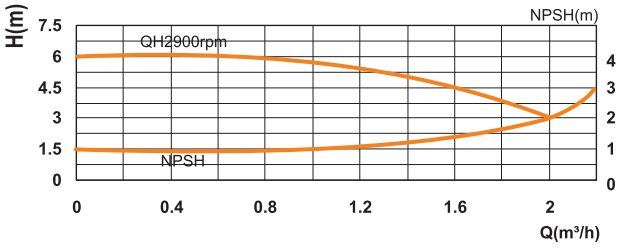
PR1

Performance Curve

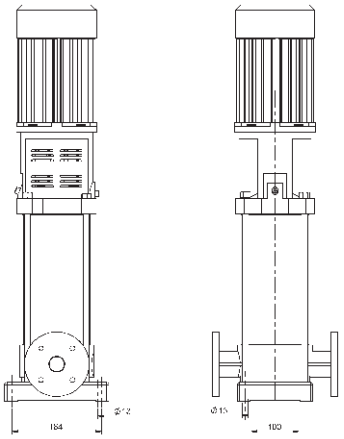








Dimensional Detail



Pipe Size: DN 25

*All dimensions are in mm

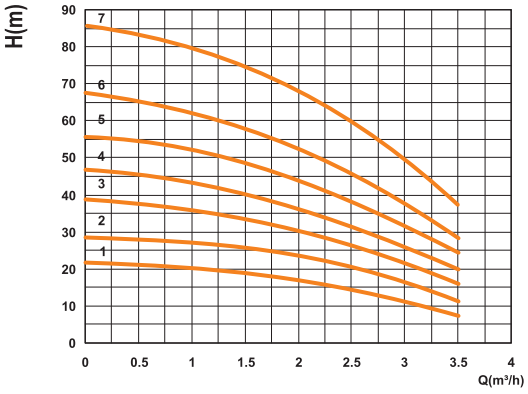
Performance Table

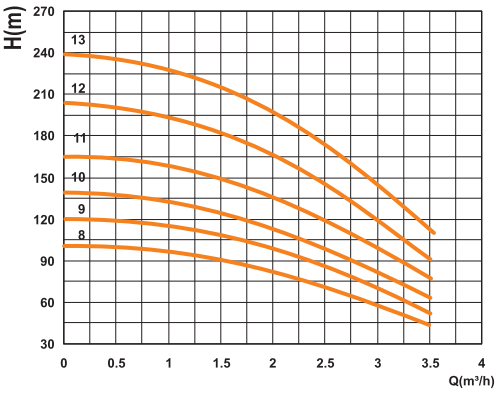
S.No	Model	Motor Power HP / kW	Q(m³/h)	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2
1	PR1 - 20	0.5 / 0.37	Head(m)	13	12.5	12	11.5	11	10.5	10	9.5	9
2	PR1 - 30	0.5 / 0.37		19	18	17.5	17	16.5	16	15	14	12
3	PR1 - 40	0.5 / 0.37		24	23.5	23	22.5	21.5	21	20	18	16
4	PR1 - 50	0.5 / 0.37		30	29.5	29	28	27	26	24	22	20
5	PR1 - 60	0.5 / 0.37		36	35.5	35	33.5	33	31	29	26	23
6	PR1 - 70	0.5 / 0.37		42	41	40.5	39	38	36	33	30	27
7	PR1 - 80	0.75 / 0.6		48	47	46	45	43	41	38	34	30
8	PR1 - 90	0.75 / 0.6		54	53	52	51	49	46	40	39	33
9	PR1 - 100	0.75 / 0.6		60	59	58	57	54	51	45	43	36
10	PR1 - 110	0.75 / 0.6		66	65	63	61	59	56	52	47	40
11	PR1 - 120	1 / 0.7		72	71	69	67	64	61	55	51	44
12	PR1 - 130	1 / 0.7		78	77	75	73	69	66	61	55	47
13	PR1 - 150	1 / 0.7		89	88	86	84	79	76	70	63	55
14	PR1 - 170	1.5 / 1.1		101	99	97	95	89	86	79	71	62
15	PR1 - 190	1.5 / 1.1		113	110	108	106	99	96	88	79	69
16	PR1 - 210	1.5 / 1.1		124	122	120	117	110	106	97	87	75
17	PR1 - 230	1.5 / 1.1		137	133	131	128	121	116	106	96	82
18	PR1 - 250	2 / 1.5		149	145	143	139	131	126	115	104	89
19	PR1 - 270	2 / 1.5		161	157	155	150	141	136	129	112	95
20	PR1 - 300	2 / 1.5		178	175	171	166	157	150	134	124	106
21	PR1 - 330	3 / 2.2		196	192	188	183	173	165	149	137	118
22	PR1 - 360	3 / 2.2		214	210	205	200	190	181	169	151	130

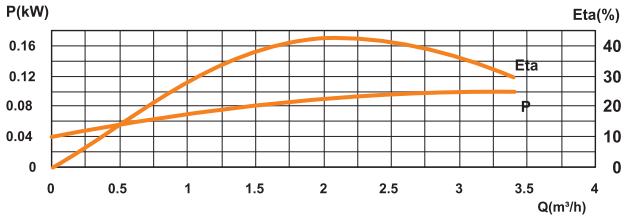
PR RANGE

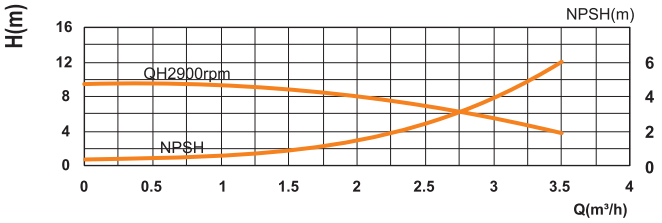
PR2

Performance Curve

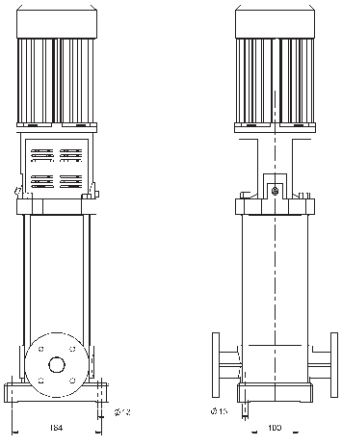








Dimensional Detail



Pipe Size: DN 25

*All dimensions are in mm

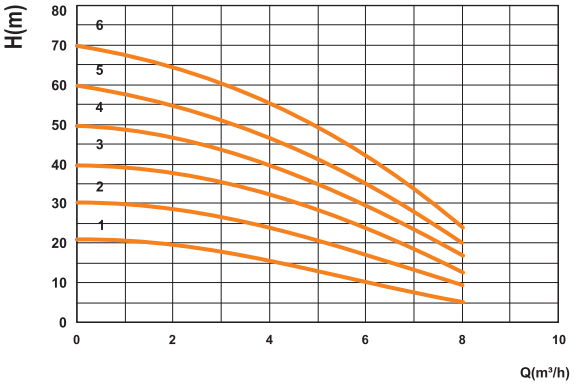
Performance Table

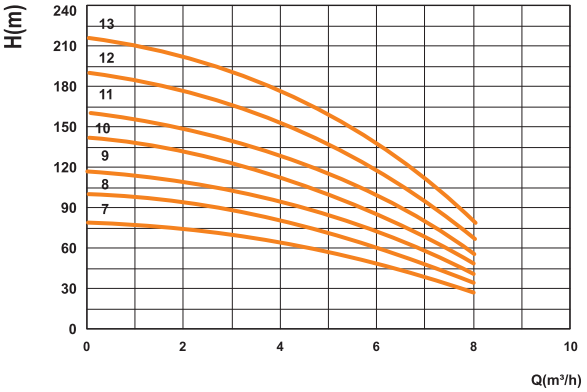
S.No	Model	Motor Power HP / kW	Q(m³/h)	1	1.2	1.6	2	2.4	2.8	3.2	3.5
1	PR2 - 20	0.5 / 0.37	Head(m)	18	17	16	15	13	12	10	8
2	PR2 - 30	0.5 / 0.37		27	26	24	22	20	18	15	12
3	PR2 - 40	0.75 / 0.6		36	35	33	30	26	24	20	16
4	PR2 - 50	0.75 / 0.6		45	43	40	37	33	30	24	20
5	PR2 - 60	1 / 0.7		53	52	50	45	40	36	30	24
6	PR2 - 70	1 / 0.7		63	61	57	52	47	41	35	28
7	PR2 - 90	1.5 / 1.1		80	78	73	67	57	54	45	37
8	PR2 - 110	1.5 / 1.1		98	95	89	82	73	64	54	44
9	PR2 - 130	2 / 1.5		116	114	106	98	89	78	65	52
10	PR2 - 150	2 / 1.5		134	130	123	112	100	90	73	60
11	PR2 - 180	3 / 2.2		161	157	148	136	121	108	91	76
12	PR2 - 220	4 / 3.0		197	192	180	165	148	130	110	90
13	PR2 - 260	5 / 3.7		232	228	214	198	179	158	130	110

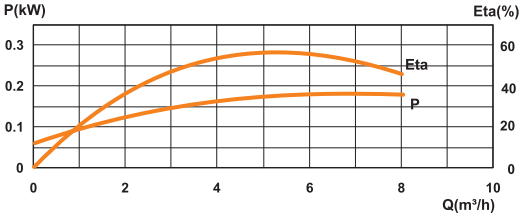
PR RANGE

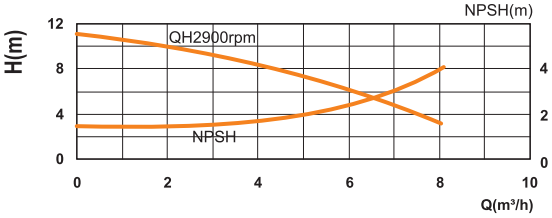
PR4

Performance Curve

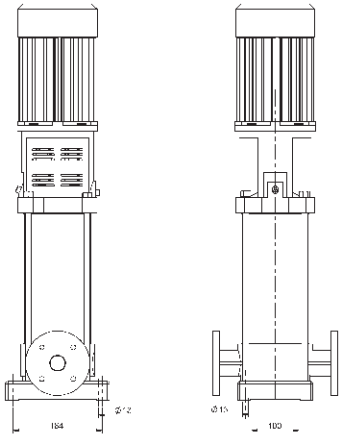








Dimensional Detail



Pipe Size: DN 32

*All dimensions are in mm

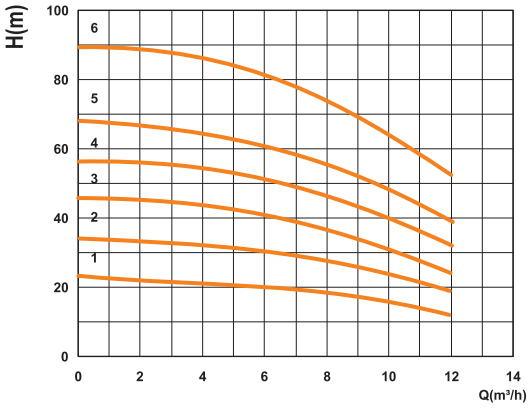
Performance Table

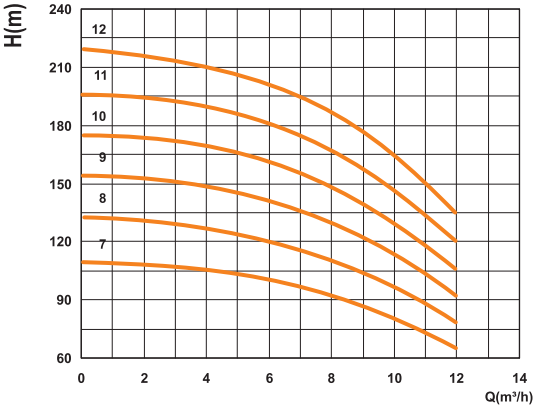
S.No	Model	Motor Power HP / kW	Q(m³/h)	1.5	2	3	4	5	6	7	8
1	PR4 - 20	0.5 / 0.37	Head(m)	19	18	17	15	13	10	8	6
2	PR4 - 30	0.75 / 0.6		28	27	26	24	20	18	13	10
3	PR4 - 40	1 / 0.7		38	36	34	32	27	24	19	13
4	PR4 - 50	1.5 / 1.1		47	45	43	40	35	31	23	17
5	PR4 - 60	1.5 / 1.1		56	54	52	48	41	37	28	20
6	PR4 - 70	2 / 1.5		66	63	61	56	48	43	33	24
7	PR4 - 80	2 / 1.5		74	72	70	64	55	50	38	27
8	PR4 - 100	2 / 1.5		96	90	87	81	71	62	48	34
9	PR4 - 120	2 / 1.5		114	108	104	95	85	75	58	41
10	PR4 - 140	3 / 2.2		136	126	122	112	101	89	68	48
11	PR4 - 160	4 / 3.0		152	144	140	129	115	101	78	55
12	PR4 - 190	6 / 5.0		183	171	168	153	137	122	93	67
13	PR4 - 220	6 / 5.0		211	200	192	178	160	138	108	79

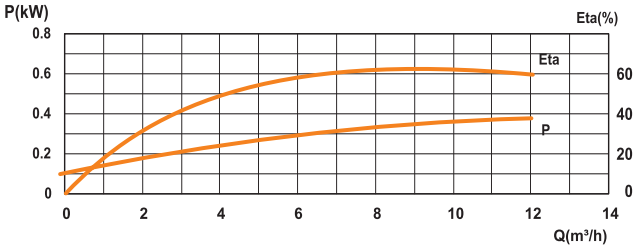
PR RANGE

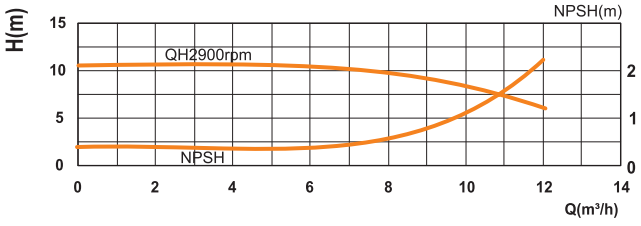
PR8

Performance Curve

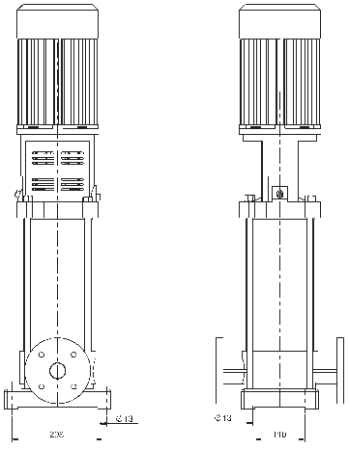








Dimensional Detail



Pipe Size: DN 40

*All dimensions are in mm

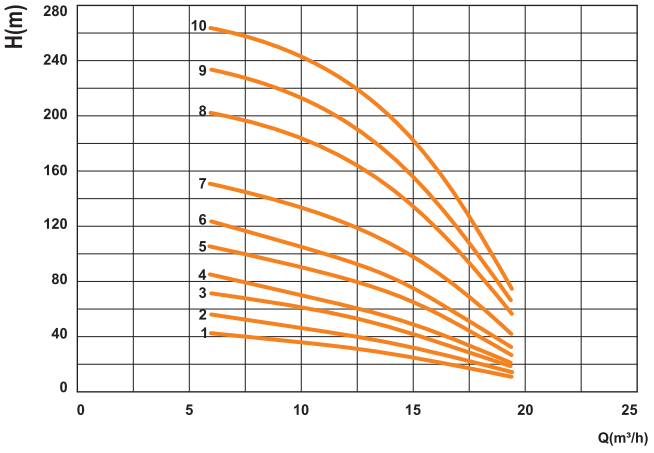
Performance Table

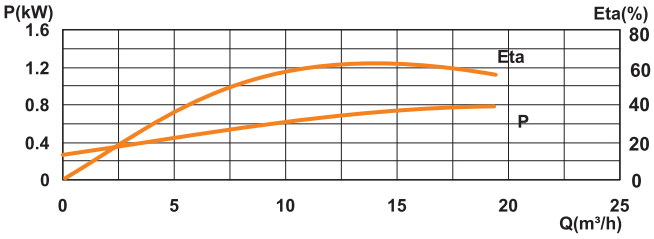
S.No	Model	Motor Power HP / kW	Q(m³/h)	5	6	7	8	9	10	11	12
1	PR8 - 20	1 / 0.7	Head(m)	20	19.5	19	18	17	16	14	13
2	PR8 - 30	1.5 / 1.1		30	29.5	28.5	27	25	24	21	19
3	PR8 - 40	2 / 1.5		41	38.5	38	36	34	32	28	26
4	PR8 - 50	3 / 2.2		52	50	48	45	42	40	36	32
5	PR8 - 60	3 / 2.2		62	60	57	54	51	48	43	39
6	PR8 - 80	4 / 3.0		83	80	77	73	69	65	58	52
7	PR8 - 100	6 / 5.0		104	100	97	92	87	81	73	65
8	PR8 - 120	6 / 5.0		124	120	116	111	104	92	87	78
9	PR8 - 140	7.5 / 5.6		145	141	136	130	122	113	102	92
10	PR8 - 160	7.5 / 5.6		166	161	156	148	139	130	118	106
11	PR8 - 180	10 / 7.4		187	182	175	167	157	146	134	120
12	PR8 - 200	10 / 7.4		208	202	195	186	175	163	150	135

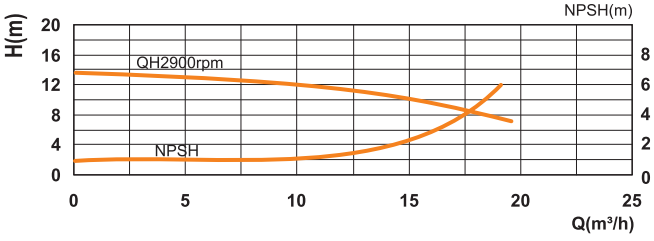
PR RANGE

PR12

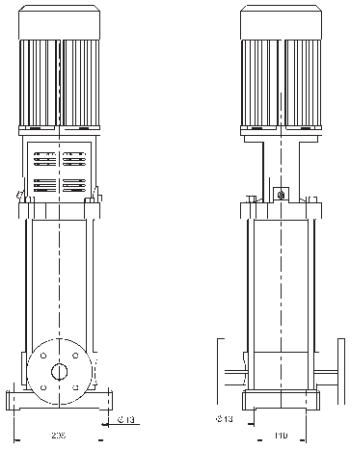
Performance Curve







Dimensional Detail



Pipe Size: DN 40

*All dimensions are in mm

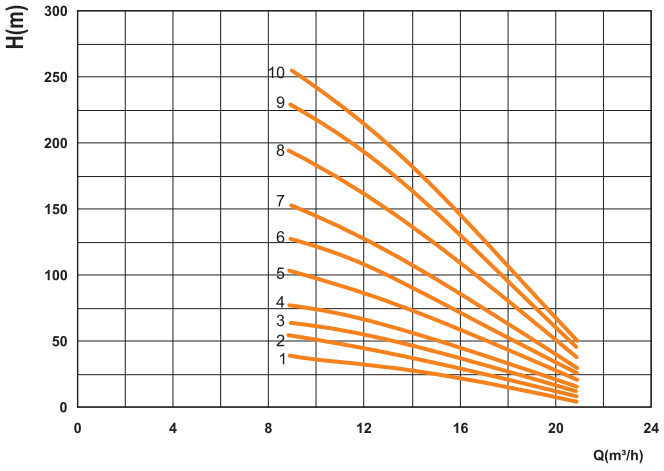
Performance Table

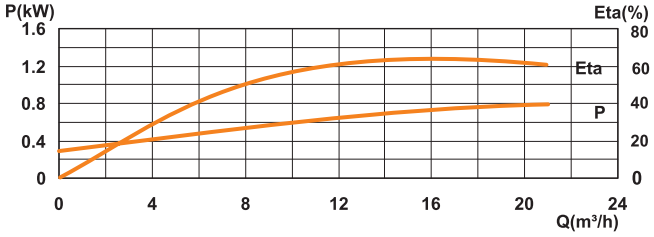
S.No	Model	Motor Power HP / kW	Q(m³/h)	6	8	10	12	14	16	18
1	PR12-40	3 / 2.2	Head(m)	42	38	35	32	27	23	15
2	PR12-50	4 / 3.0		53	48	44	40	34	26	22
3	PR12-70	5 / 3.7		72	67	60	54	46	38	27
4	PR12-80	6 / 5.0		82	75	66	62	53	44	32
5	PR12-100	7.5 / 5.6		103	95	88	78	68	56	40
6	PR12-120	10 / 7.4		124	115	108	94	82	68	48
7	PR12-150	12.5 / 9.3		155	145	138	118	103	86	60
8	PR12-200	15 / 11.1		207	195	188	158	124	116	80
9	PR12-230	17.5 / 13		238	225	218	182	145	134	92
10	PR12-260	20 / 15		270	255	248	206	166	152	104

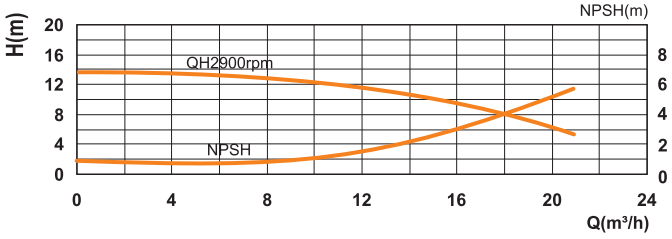
PR RANGE

PR14

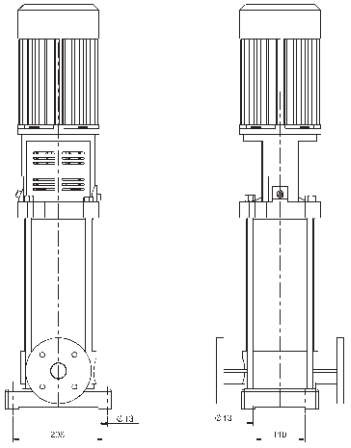
Performance Curve







Dimensional Detail



Pipe Size: DN 50

*All dimensions are in mm

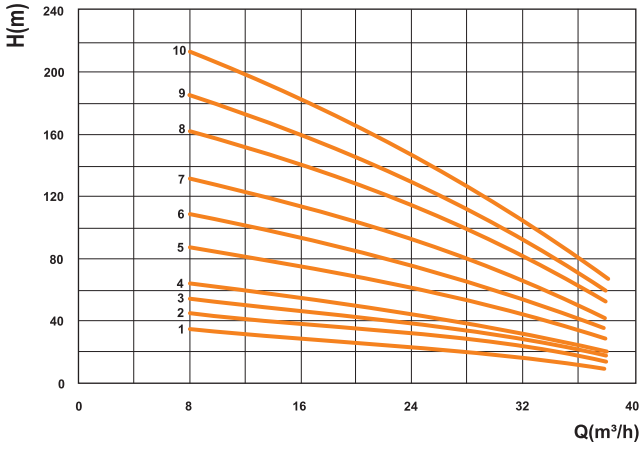
Performance Table

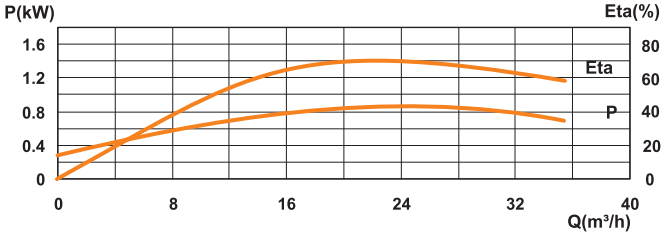
S.No	Model	Motor Power HP / kW	Q(m³/h)	8	10	12	14	16	18	20
1	PR14-30	3 / 2.2	Head(m)	42	38	33	28	20	15	10
2	PR14-40	4 / 3.0		55	50	45	39	28	20	14
3	PR14-50	5 / 3.7		68	62	55	46	35	25	18
4	PR14-60	6 / 5.0		79	75	68	58	46	41	20
5	PR14-80	7.5 / 5.6		109	99	88	72	58	52	26
6	PR14-100	10 / 7.4		130	120	109	90	72	62	32
7	PR14-120	12.5 / 9.3		158	145	128	109	85	71	40
8	PR14-150	15 / 11.1		200	184	161	138	109	88	50
9	PR14-180	17.5 / 13.0		240	218	202	162	132	94	60
10	PR14-200	20 / 14.8		268	242	222	183	148	108	68

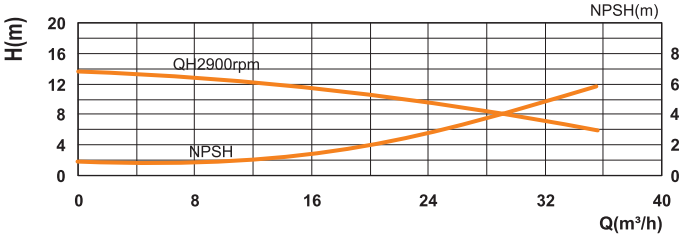
PR RANGE

PR18

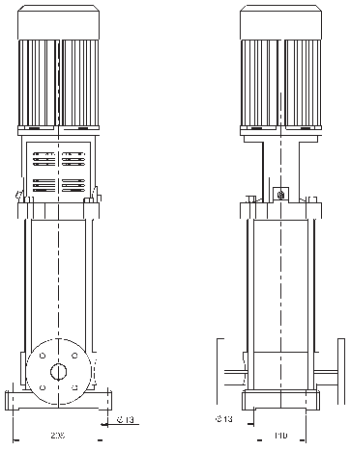
Performance Curve







Dimensional Detail



Pipe Size: DN 65

*All dimensions are in mm

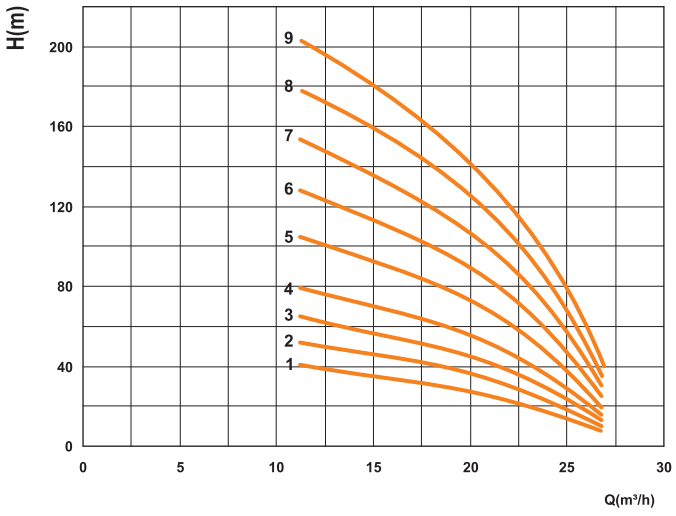
Performance Table

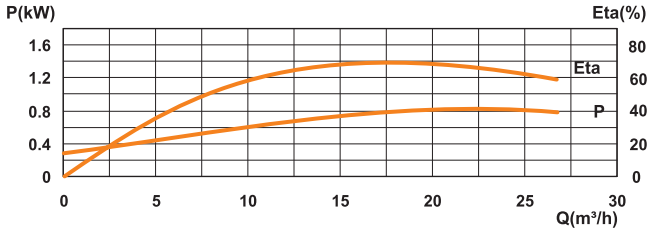
S.No	Model	Motor Power HP / kW	Q(m³/h)	8	14	18	22	25	33	38
1	PR18-30	3 / 2.2	Head(m)	36	30	27	24	21	16	10
2	PR18-40	4 / 3.0		46	40	36	32	29	21	14
3	PR18-50	5 / 3.7		55	49	45	41	37	27	18
4	PR18-60	6 / 5		65	59	54	48	43	32	21
5	PR18-80	7.5 / 5.6		88	79	72	64	58	42	28
6	PR18-100	10 / 7.4		110	99	90	81	74	53	35
7	PR18-120	12.5 / 9.3		132	119	108	98	89	63	42
8	PR18-150	15 / 11.1		162	147	135	121	110	77	53
9	PR18-170	17.5 / 13		186	167	154	137	124	87	60
10	PR18-200	20 / 14.8		212	192	175	156	142	100	68

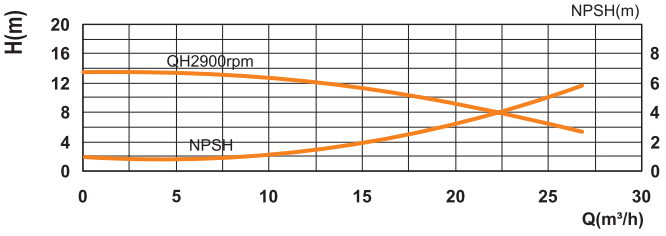
PR RANGE

PR20

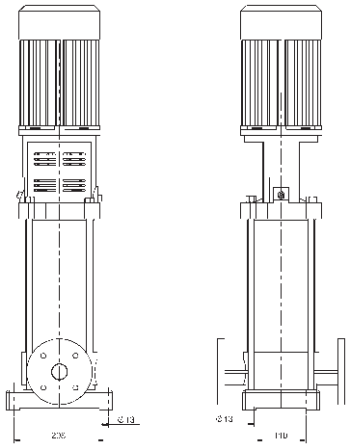
Performance Curve







Dimensional Detail



Pipe Size: DN 65

*All dimensions are in mm

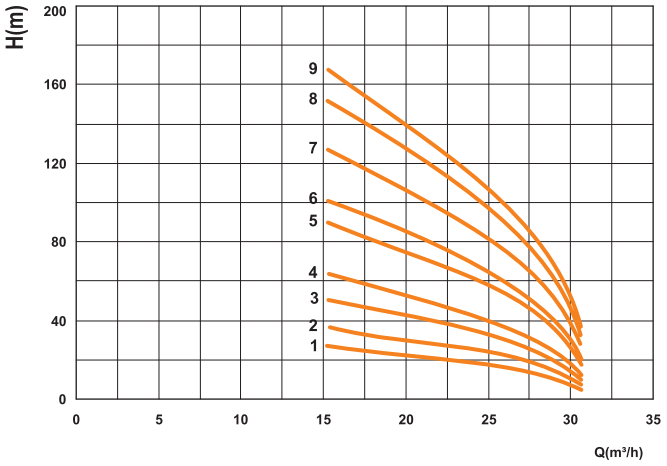
Performance Table

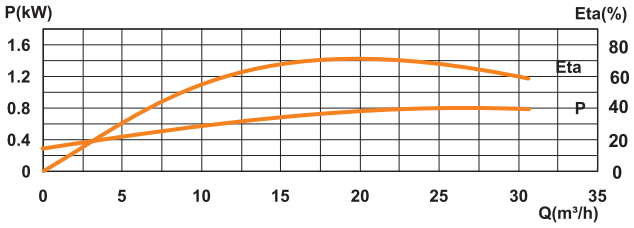
S.No	Model	Motor Power HP / kW	Q(m³/h)	12	14	16	18	20	22	24
1	PR20-30	4 / 3.0	Head(m)	38	35	33	30	27	24	18
2	PR20-40	5 / 3.7		50	48	44	40	37	30	24
3	PR20-50	6 / 5		63	58	55	50	45	38	28
4	PR20-60	7.5 / 5.6		75	70	66	61	55	45	35
5	PR20-80	10 / 7.4		100	94	88	80	72	60	46
6	PR20-100	12.5 / 9.3		125	118	110	100	90	75	58
7	PR20-120	15 / 11.1		150	140	130	120	108	90	70
8	PR20-140	17.5 / 13.0		175	164	154	142	127	105	80
9	PR20-160	20 / 14.8		198	185	174	160	142	120	94

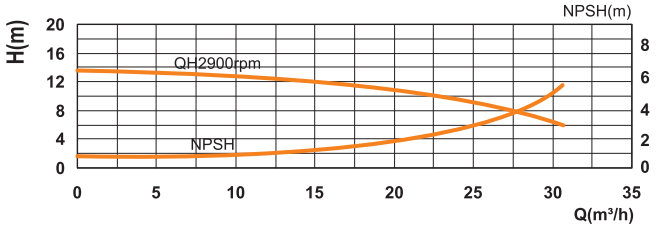
PR RANGE

PR25

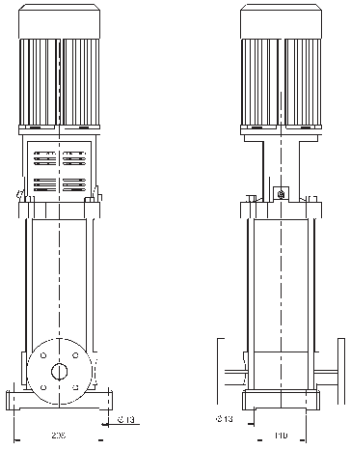
Performance Curve







Dimensional Detail



Pipe Size: DN 65

*All dimensions are in mm

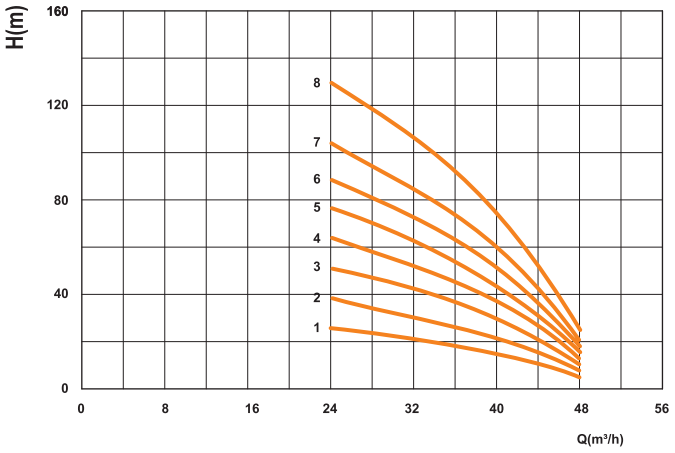
Performance Table

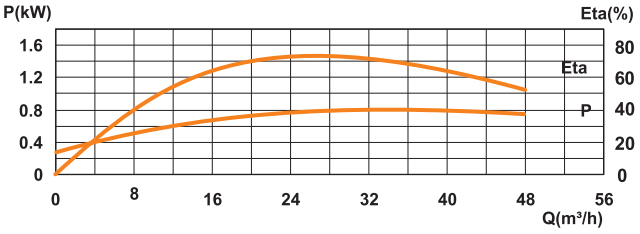
S.No	Model	Motor Power HP / kW	Q(m³/h)	16	18	20	22	24	26	28
1	PR25-20	3 / 2.2	Head(m)	26	24	23	20	18	15	13
2	PR25-30	5 / 3.7		38	35	33	30	26	23	18
3	PR25-40	6 / 5		50	48	44	40	35	30	25
4	PR25-50	7.5 / 5.6		63	58	54	48	43	38	30
5	PR25-70	10 / 7.4		88	82	75	68	60	53	43
6	PR25-80	12.5 / 9.3		95	93	85	78	70	60	50
7	PR25-100	15 / 11.1		120	115	107	93	87	75	60
8	PR25-120	17.5 / 13.0		148	140	128	116	109	90	73
9	PR25-130	20 / 14.8		162	150	138	125	114	98	80

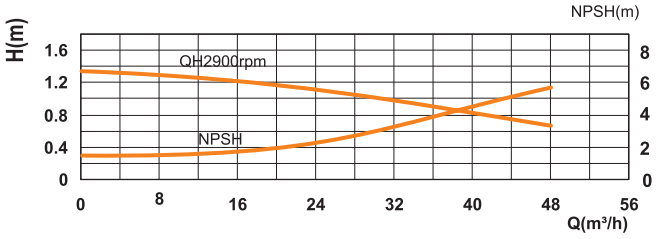
PR RANGE

PR32

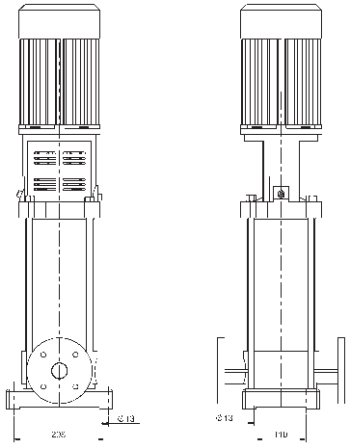
Performance Curve







Dimensional Detail



Pipe Size: DN 80

*All dimensions are in mm

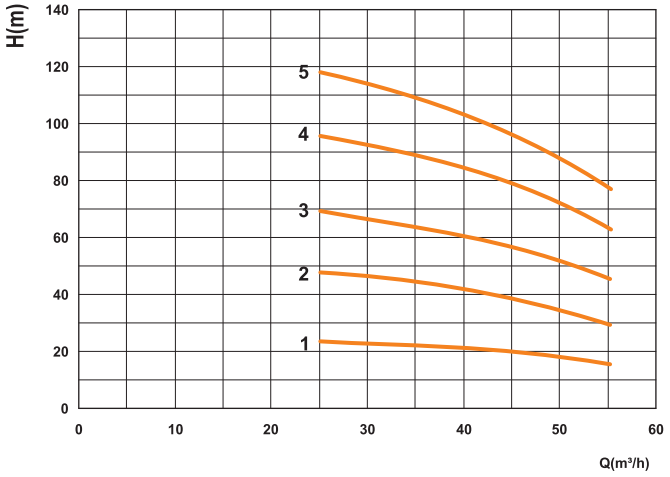
Performance Table

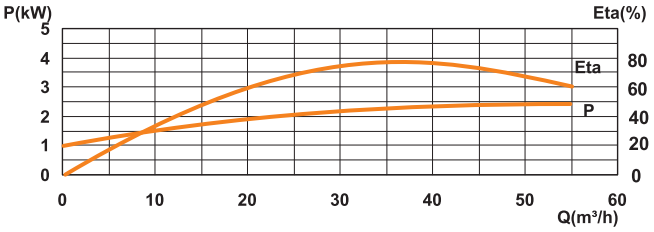
S.No	Model	Motor Power HP / kW	Q(m³/h)	24	27	32	35	39	43	45	48
1	PR32-20	5 / 3.7	Head(m)	26	24	20	19	15	12	9	5
2	PR32-30	7.5 / 5.6		38	36	31	28	23	18	13	8
3	PR32-40	10 / 7.4		51	48	41	37	31	24	17	10
4	PR32-50	15 / 11.1		64	60	51	47	38	30	21	13
5	PR32-60	15 / 11.1		77	71	61	56	46	36	26	15
6	PR32-70	20 / 14.8		89	83	71	65	54	42	30	18
7	PR32-80	20 / 14.8		102	95	82	75	61	48	34	20
8	PR32-100	25 / 18.5		128	119	102	94	77	60	43	26

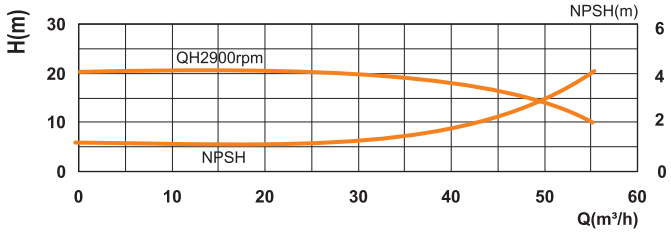
PR RANGE

PR42

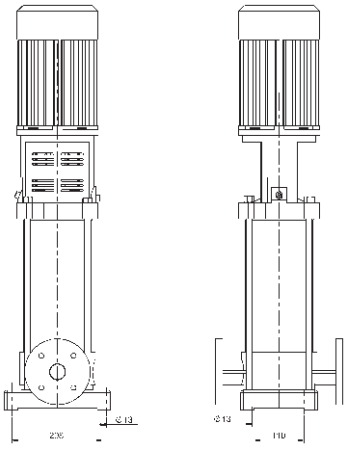
Performance Curve







Dimensional Detail



Pipe Size: DN 100

*All dimensions are in mm

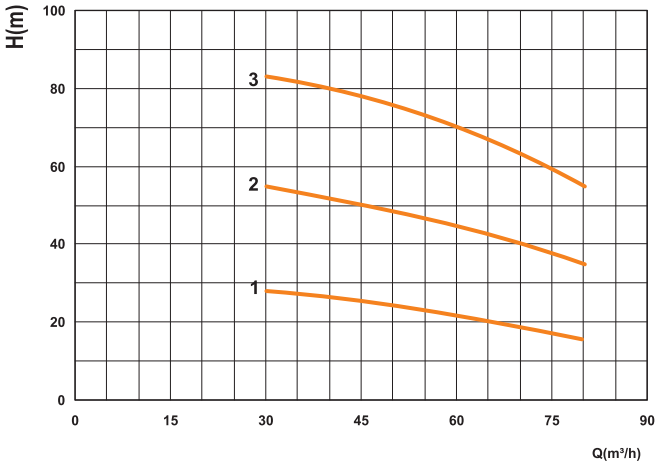
Performance Table

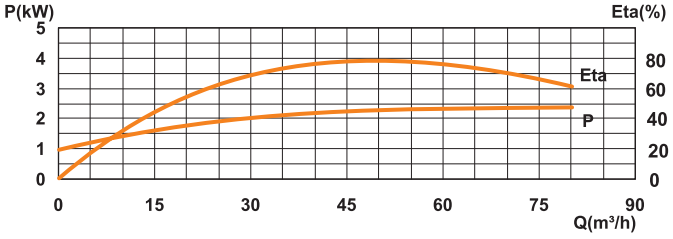
S.No	Model	Motor Power HP / kW	Q(m³/h)	25	30	35	40	42	45	50	55
1	PR42-10	5 / 3.7	Head(m)	23	22	21	20	19	18	17	15
2	PR42-20	10 / 7.4		48	46	43	41	40	38	34	29
3	PR42-30	15 / 11.1		70	67	64	60	58	56	51	45
4	PR42-40	20 / 14.8		95	92	88	84	81	78	71	63
5	PR42-50	25 / 18.5		118	114	109	102	100	95	87	77

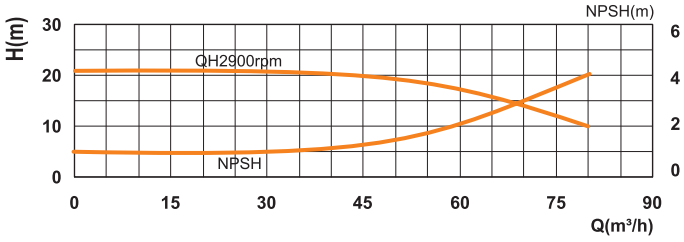
PR RANGE

PR65

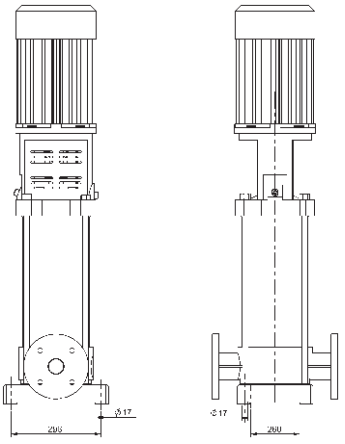
Performance Curve







Dimensional Detail



Pipe Size: DN 100

*All dimensions are in mm

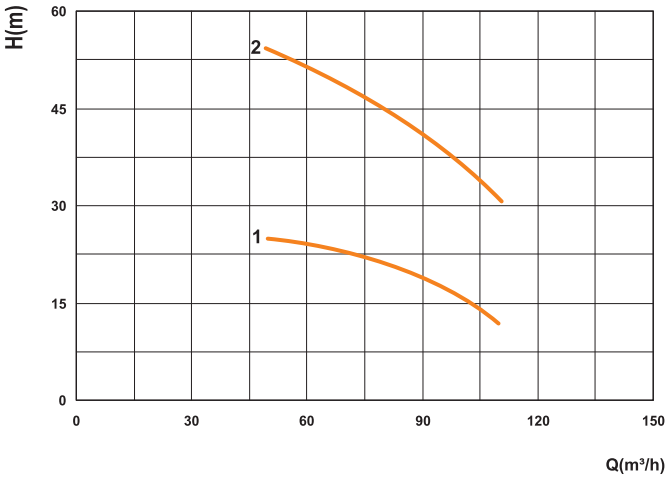
Performance Table

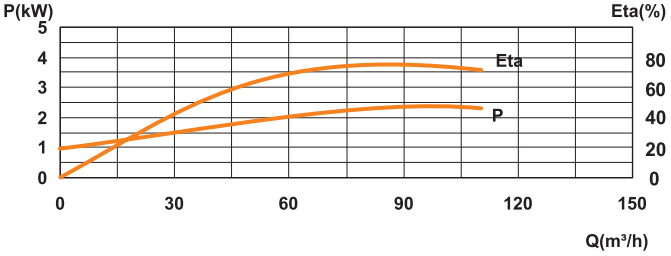
S.No	Model	Motor Power HP / kW	Q(m³/h)	30	40	50	60	70	80
1	PR65-10	7.5 / 5.6	Head(m)	26	24	22	21	19	16
2	PR65-20	15 / 11.1		54	51	48	45	40	35
3	PR65-30	25 / 18.5		83	79	75	69	63	55

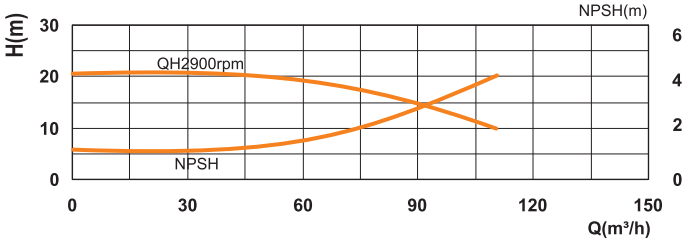
PR RANGE

PR85

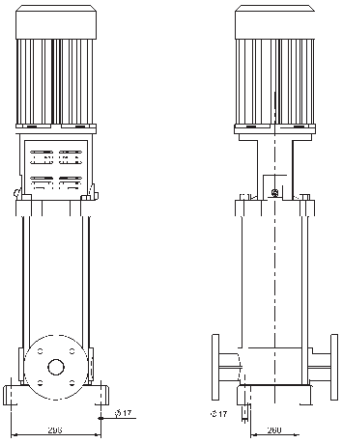
Performance Curve







Dimensional Detail



Pipe Size: DN 125

*All dimensions are in mm

Performance Table

S.No	Model	Motor Power HP / kW	Q(m³/h)	50	60	70	80	90	100	110
1	PR85-10	10 / 7.4	Head(m)	25	24	22	21	19	16	12
2	PR85-20	20 / 14.8		54	51	48	45	41	37	31

Notes

Notes

Notes

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