



VERTICAL IN-LINE PUMP

INTELLIGENT FLOW FOR GOOD

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2023 V3.0

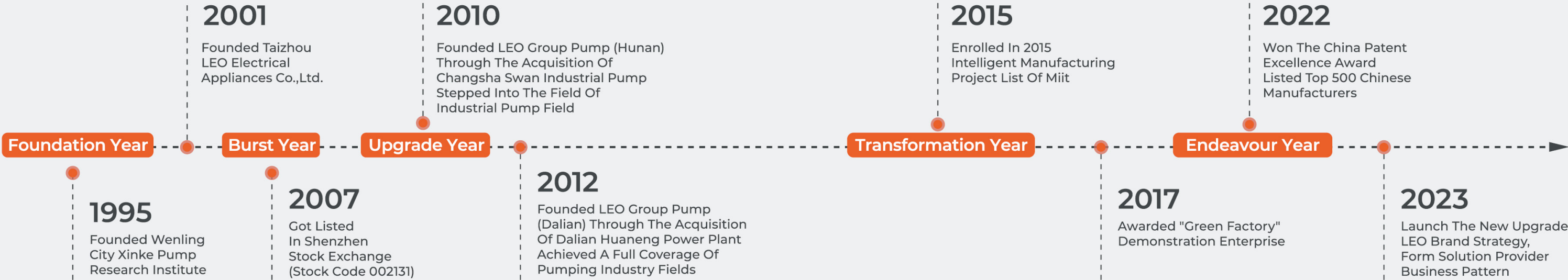
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Intelligent Flow For Good

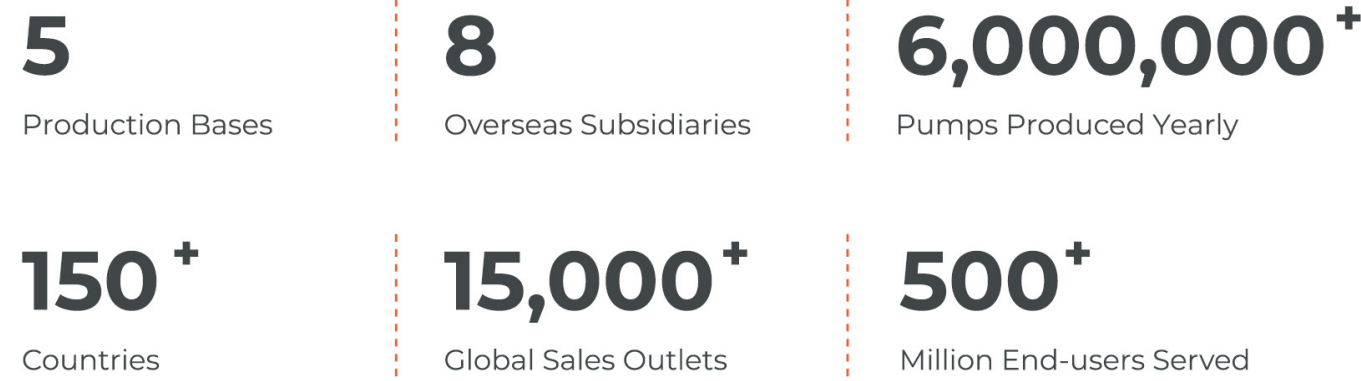
As a reliable partner on intelligent fluid solutions, LEO Pump is engaged in R&D, manufacturing, sales and service of all series pumps and systems. By covering the industry of building, municipal, water conservation, power, energy, OEM, domestic and garden, Leo is committed to bring the intelligent water into every industry field and application, helping people around the world enjoy high quality water life, government and business partners achieve green transformation, and promoting high quality economic growth and sustainable social development.



LEO WORLD



LEO IN NUMBERS



QUALITY MANAGEMENT SYSTEM

- ISO9001:2015 Quality management system
- ISO14001:2015 Environmental management system Certificate
- ISO45001:2018 Occupational health & safety Management system certification
- ISO50001: 2018 Energy management system certificate
- CE. GS. UL. CSA and ETL qualification





Product Description

- This series of products are vertical single-stage pipeline centrifugal pumps
- Standard configuration: mechanical seal, standard motor
- The pump is a top pull-out design. During routine maintenance, the pump head (motor base and impeller) can be removed. Maintenance and overhaul without dismantling the pump body and piping on both sides
- The impeller optimizes the hydraulic design through the CFD fluid simulation analysis technology, and the hydraulic efficiency is higher
- The impeller adopts a double-port ring balance structure, which has less axial force and longer bearing life
- The shape is designed by the Italian professional shape team, the most advanced modular design concept
- The surface of the whole machine adopts the electrophoretic coating process, and the anti-corrosion effect is better

Scope of Application

- Max. Liquid temperature: +90°C(Standard), +120°C(Optional)
- Max. ambient temperature: + 40°C
- Highest altitude: 1000 m
- Max. working pressure: 10bar / 16bar

Motor

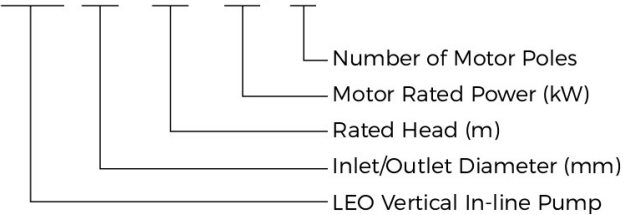
- Fully enclosed air-cooled standard motor
- Class F insulation, Enclosures class IP55, safer operation and less noise. Equipped with a variety of power motors from 0.37kW to 200kW, users can choose the corresponding water pump according to different technical requirements to meet different system requirements

Flange

- All flanges can be used with methods in accordance with GB/T17241.6, EN1092-2 and ISO7005-2 standards blue connection.

Identification Codes

LPP 80 - 35 - 15 / 2



Liquid Requirements

Clean, thin, non-aggressive, non-flammable, explosive, and gas-free liquid that does not contain solid particles (particle size ≤ 0.2mm) and fibers, and the liquid cannot react chemically to the pump material.

Example of pumped liquid:

- The water quality in the heating system should meet the recognized water quality standards for the system
- Cooling system
- Domestic hot water system
- Industrial liquid
- Softened water

If the density or kinematic viscosity of the liquid being pumped is higher than that of water, it will cause:

- Stress is significantly reduced
- Decreased hydraulic properties
- Increased energy consumption

In these cases, a larger motor should be used

If the water contains mineral oil or chemicals, or if conveying other liquids than water, select the appropriate O-ring.

LPP Pumps Can Be Used In The Following Systems

- Heating system: heating cycle, boiler mixed flow, temperature mixed flow, intermittent heating, waste gas heat recovery, hybrid loop, domestic hot water circulation
- Air conditioning system: chilled water circulation
- Water supply system: filtration and transportation, pipeline pressurization
- Industrial production: flushing and cleaning systems, boiler feed water, cooling water circulation, water treatment systems, equipment supporting systems
- Fire Fighting System

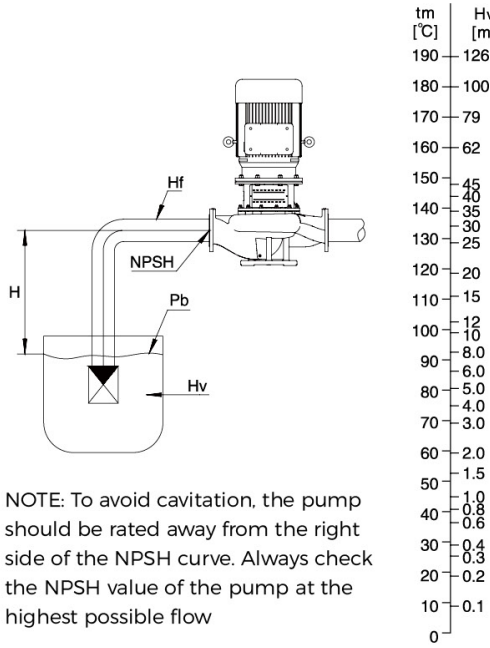
Minimum Inlet Pressure - NPSH

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:

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



Estimation of Loss of Piping and Piping Accessories

Pipe Diameter (mm)	Flow(m³/h)																											
	5	10	15	20	25	30	40	50	60	70	80	90	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1200
25	65.4																											
38	6.7	26.7	60.1				40	50																				
50	1.5	6.1	13.8	24.5					60	70																		
65		1.5	3.4	6.1	9.5	13.7					80	90																
75		0.72	1.6	2.9	4.5	6.5	11.5						100	150														
100			0.36	0.64	1.0	1.4	2.6	4.0	5.7	7.8					200	250												
125				0.20	0.31	0.45	0.8	1.3	1.8	2.5	3.2						300	350										
150					0.12	0.18	0.31	0.49	0.71	0.96	1.3	1.6	2.0						400	450								
175						0.08	0.14	0.22	0.32	0.44	0.57	0.72	0.89	2.0	3.6	5.6					500	550						
200							0.07	0.11	0.16	0.22	0.29	0.36	0.45	1.0	1.8	2.8	4.0	5.5	7.2				600	700				
250								0.04	0.05	0.07	0.09	0.12	0.14	0.32	0.58	0.90	1.3	1.8	2.3	2.9	3.6	4.4	5.2					
300										0.03	0.04	0.05	0.06	0.13	0.23	0.36	0.51	0.70	0.91	1.2	1.4	1.7	2.1	2.8				

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
150	155	2.45
175	216	2.49
200	300	2.69
250	480	2.72
275	576	2.71
300	691	2.71
345	914	2.7

Note: Line losses increase significantly beyond this

The Straight Pipe Length of Each Valve And Elbow

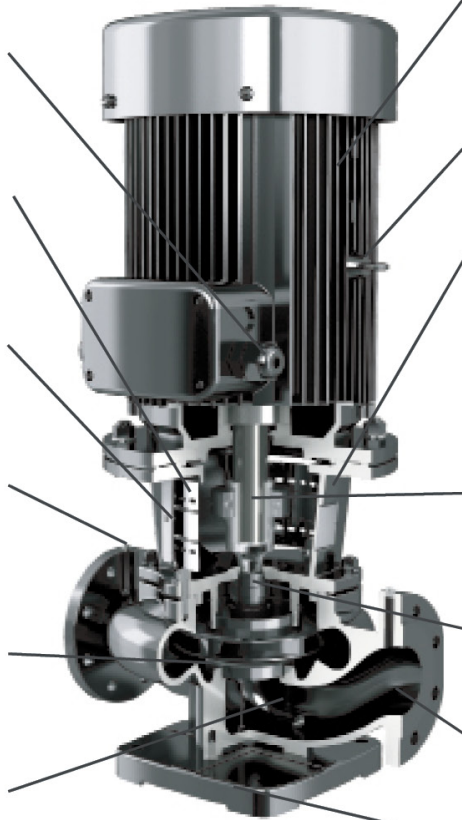
Type	Converted to Multiples of Pipe Diameter	Remark
Fully open gate valve	13	Doubles if not open
Standard elbow	25	
Check valve	100	
Foot valve	100	Partial blockage doubles

Note: For example, for a 100mm diameter pipe, the bottom valve equivalent to 100 times the diameter is equal to 100x100=10000mm=10m straight pipe length, 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.

Structural Features

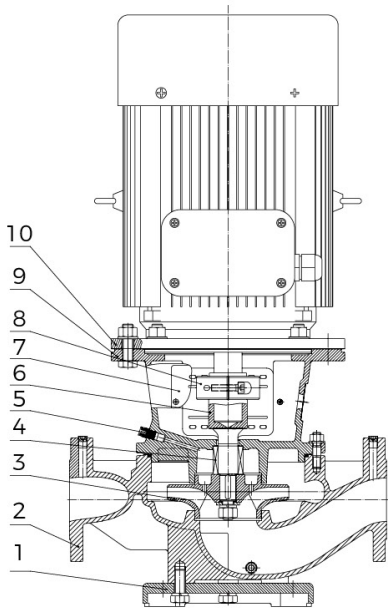
The surface of the whole machine adopts the electrophoretic coating process, and the anti-corrosion effect is better

- There are wiring caps on both sides of the electrical connection box; it is convenient for multi-directional wiring
- Stainless steel protective plates are installed on both sides of the motor base to protect the pump axis, making the operation safer;
- Equipped with a quick exhaust device to prevent the machine seal from running dry without water run;
- The inlet and outlet flanges of the pump body are provided with pressure measuring holes to facilitate detection and monitoring of inlet and outlet pressure;
- The impeller adopts a double-port ring balance structure, which has less axial force and longer bearing life;
- Optimize hydraulic design through CFD fluid simulation analysis technology, and the whole machine is highly efficient and energy-saving



- Equipped with high-efficiency motor, F-class insulation, Enclosures class IP55, run more safely, Less noise. (Standard 3 energy efficiency, user can choose 2 energy efficiency)
- The lifting lugs are distributed on both sides of the motor, which is convenient for lifting and transportation;
- The heightened motor base design has better heat dissipation effect, so that the pump can withstand higher water temperature
- Both ends are provided with jacking holes, which are convenient and quick to disassemble the pump body and motor.
- The top pull-out design of the whole machine can be repaired without dismantling the pipeline
- Patented special pump shaft structure, more stable operation and quick disassembly; Anti-corrosion stainless steel pump shaft;
- The lengthened mechanical seal is adopted, the operation is more stable, and the sealing effect is better;
- Low inlet and outlet pump body design, convenient for pipeline installation
- Removable bottom plate design, the whole machine bears better load and has wider installation applicability

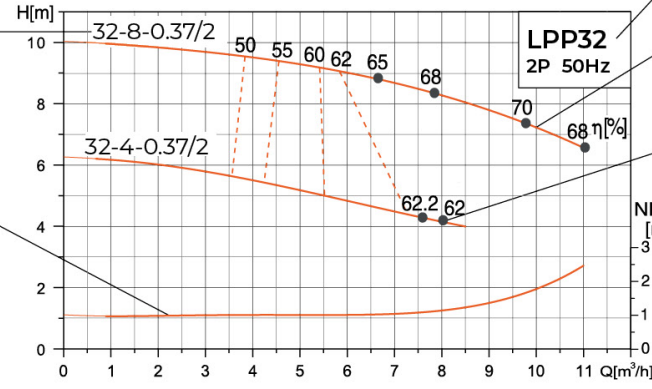
Material Table



No.	Part	Material
1	Base Plate	HT200
2	Pump Body	HT200/QT400
3	Impeller	HT200/AISI304
4	Mechanical Seal	
5	Vent Valve	HPb59-1
6	Pump Shaft	AISI304+45
7	Guard Plate	AISI304
8	Lock Ring	45 # steel
9	Motor Base	HT200/QT400
10	Motor	

How to Read The Curve Charts

● Pump Model



● NPSH

● Pump series, number of poles and frequency

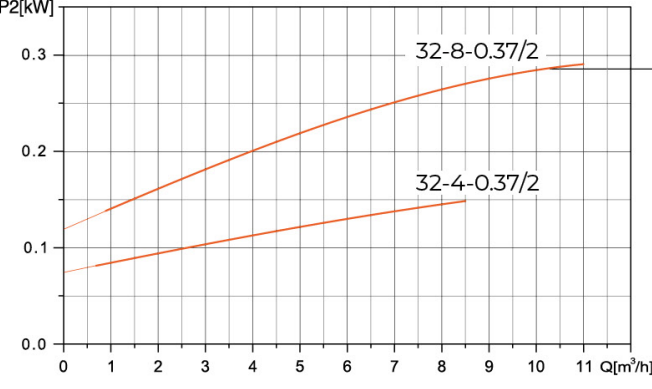
● Pump Flow-Head Curve
Thick line indicates recommended operating range

● The pump efficiency of the corresponding model at this flow rate

LPP32
2P 50Hz

Guidelines to Performance Curves

- Curve tolerances are in accordance with ISO9906:2012, Class 3B
- All curves are based on 3x380V, motor measurements at constant speed 2900rpm, 2950rpm or 1480rpm.
- The medium used for the test is clean water at a temperature of 20°C, without any solid impurities and air.
- The use of the pump refers to the performance range of the bold curve to prevent overheating caused by too small flow and overloading of the motor caused by too much flow.
- If the density or viscosity of the liquid conveyed is greater than that of water, Motors with higher performance must be used.



● Flow-Power Curve
each model corresponds to the corresponding pump input power

Technical Data

Model	Power P2 (kW)	Rated speed n (r/min)	Rated folw Q (m³/h)	Rated Head (m)	Max. flow Q (m³/h)	Max. head (m)	NPSHc (m)
LPP32-8-0.37/2*	0.37	2900	8.5	8	11	10	2
LPP32-4-0.37/2*	0.37	2900	7.5	4	8.5	6	2
LPP32-31-3/2	3	2900	20	31	24	37	2
LPP32-26-2.2/2	2.2	2900	18	26	21	32	2
LPP32-21-1.5/2	1.5	2900	14	21	18.5	26	2
LPP32-16-1.1/2	1.1	2900	12	16	16	20	2
LPP32-50-5.5/2	5.5	2900	12.5	50	20	53.5	2.5
LPP32-40-4/2	4	2900	12.5	40	20	46	2.5
LPP40-20.5-1.5/2	1.5	2900	12	20.5	20	25	2
LPP40-17.5-1.1/2	1.1	2900	12	17.5	18	21	2
LPP40-13-0.75/2	0.75	2900	10	13	15.5	16.5	2
LPP40-31-4/2	4	2900	26	31	38	35	2
LPP40-24.5-3/2	3	2900	24	24.5	36	28	2
LPP40-20.5-2.2/2	2.2	2900	23	20.5	35	25	2
LPP50-24-3/2	3	2900	30	24	36	29	2
LPP50-21-2.2/2	2.2	2900	24	21	35	25	2
LPP50-16-1.5/2	1.5	2900	22	16	32	19	2
LPP50-12-1.1/2	1.1	2900	20	12	26	15	2
LPP50-34-5.5/2	5.5	2900	35	34	50	42	2
LPP50-28-4/2	4	2900	30	28	43	33	2
※LPP50-50-5.5/2	5.5	2900	12.5	50	26	54	5
※LPP50-40-4/2	4	2900	12.5	40	26	42	5
※LPP50-35-3/2	3	2900	12.5	35	20	40	5
LPP50-80-11/2	11	2950	12.5	80	26	81.5	2.5
LPP50-70-7.5/2	7.5	2950	12.5	70	20	73	2.5
LPP50-60-7.5/2	7.5	2950	12.5	60	20	63	2.5
LPP50-81-22/2	22	2950	50	81	59	88	4.8
LPP50-70-18.5/2	18.5	2950	50	70	59	78	4.8
LPP50-60-15/2	15	2950	50	60	59	67	4.8
※LPP65-35-7.5/2	7.5	2900	55	35	70	39	2.5
※LPP65-28-5.5/2	5.5	2900	50	28	70	30	2.5
※LPP65-21-4/2	4	2900	45	21	60	24	2.5
※LPP65-17-3/2	3	2900	40	17	56	20	2.5
※LPP65-14-2.2/2	2.2	2900	35	14	50	17	2
※LPP65-56-18.5/2	18.5	2950	70	56	86	61	3
※LPP65-49-15/2	15	2950	65	49	80	53	3
※LPP65-40-11/2	11	2950	56	40	80	43	2.5
※LPP65-51-7.5/2	7.5	2950	25	51	40	54	2.5
※LPP65-40-5.5/2	5.5	2950	25	40	40	44	2.5

LPP32-8-0.37/2 & LPP32-4-0.37/2 can't be equipped with base plate

Technical Data

Model	Power P2 (kW)	Rated speed n (r/min)	Rated folw Q (m³/h)	Rated Head (m)	Max. flow Q (m³/h)	Max. head (m)	NPSHc (m)
※LPP80-20-5.5/2	5.5	2900	70	20	90	25	3.5
※LPP80-17-4/2	4	2900	64	17	79	21	3.2
※LPP80-14-3/2	3	2900	55	14	75	17	3
※LPP80-10.5-2.2/2	2.2	2900	52	10.5	70	14	3
※LPP80-8.5-1.5/2	1.5	2900	45	8.5	65	10.5	3
※LPP80-35-15/2	15	2950	110	35	130	42	4.5
※LPP80-28-11/2	11	2950	100	28	125	35	4.5
※LPP80-21.5-7.5/2	7.5	2950	90	21.5	119	28	4
※LPP80-80-22/2	22	2950	50	80	70	86	2.8
※LPP80-70-18.5/2	18.5	2950	45	70	65	75	2.8
※LPP80-60-15/2	15	2950	40	60	60	63	2.8
※LPP100-32-22/2	22	2950	170	32	190	43	6.5
※LPP100-30-18.5/2	18.5	2950	160	30	179	38	6.5
※LPP100-24-15/2	15	2950	150	24	180	31	6.5
※LPP100-20-11/2	11	2950	135	20	175	28	6.5
※LPP100-50-22/2	22	2950	100	50	140	56	3.5
※LPP100-44-18.5/2	18.5	2950	90	44	140	47	3.5
※LPP100-38-15/2	15	2950	85	38	130	43	3.5
※LPP100-80-37/2	37	2950	100	80	130	86	3.5
※LPP100-70-30/2	30	2950	90	70	120	76	3.5
※LPP100-60-22/2	22	2950	80	60	96	64	3.5
※LPP100-35-15/2	15	2950	110	35	130	42	4
※LPP100-28-11/2	11	2950	100	28	125	35	4
※LPP100-21.5-7.5/2	7.5	2950	90	21.5	120	28	4
※LPP125-50-30/2	30	2950	160	50	190	58	5.5
※LPP125-44-30/2	30	2950	150	44	190	52	5.5
※LPP125-37.5-22/2	22	2950	135	37.5	180	45	5.5
※LPP80-28-11/4	11	1480	90	28	120	31	2
※LPP80-22-7.5/4	7.5	1480	80	22	100	24	2
※LPP80-19-5.5/4	5.5	1480	68	19	80	21.5	2
※LPP100-32-22/4	22	1480	170	32	213	36	2
※LPP100-30-18.5/4	18.5	1480	160	30	208	33	2
※LPP100-25-15/4	15	1480	155	25	186	28	2
※LPP100-21-11/4	11	1480	130	21	170	23	2
※LPP100-16-7.5/4	7.5	1480	115	16	150	19	2
※LPP125-35-30/4	30	1480	200	35	279	40	2.5
※LPP125-31-22/4	22	1480	170	31	260	34	2
※LPP125-28-18.5/4	18.5	1480	155	28	249	30	2
※LPP125-24-15/4	15	1480	140	24	230	27	2
※LPP125-19-11/4	11	1480	125	19	209	22	2
※LPP125-8-4/4	4	1480	100	8	140	10	2.4
※LPP125-12.5-5.5/4	5.5	1480	100	12.5	140	15	2
※LPP125-10-7.5/4	7.5	1480	172	10	210	15.5	3

Hydraulic Performance Curves

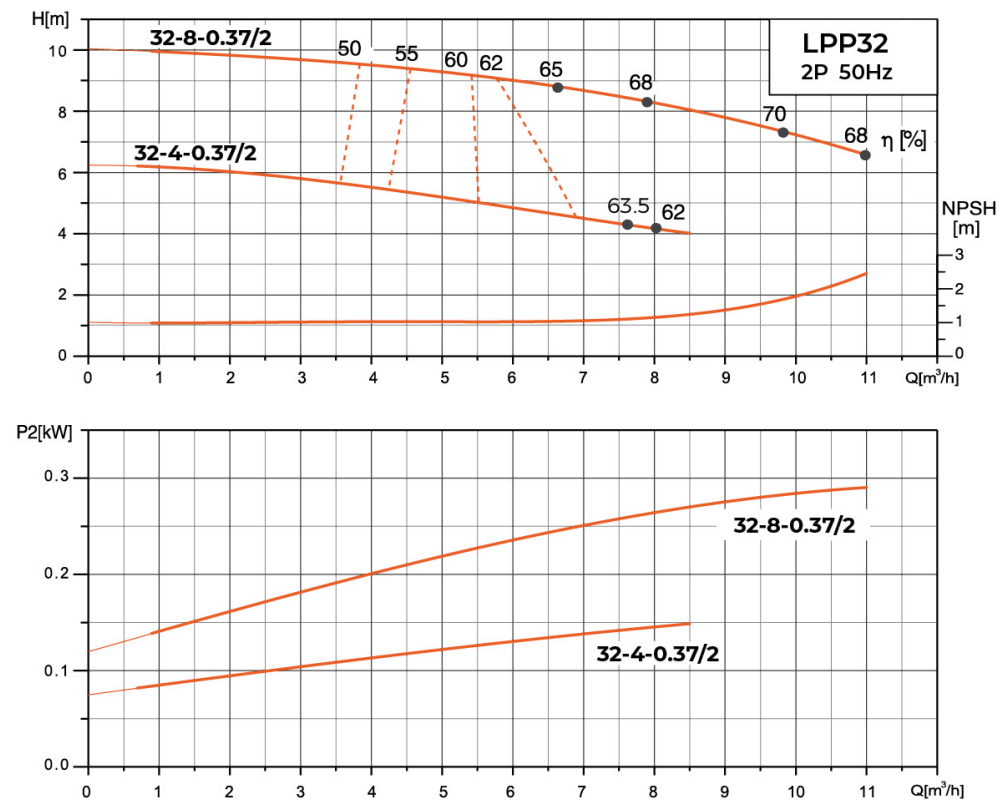
The chart displays the performance of LPP 2P 50Hz pumps. The y-axis represents head H in meters [m], ranging from 4 to 80. The x-axis represents flow rate Q in cubic meters per hour $[m^3/h]$, ranging from 1 to 200. The chart includes numerous performance curves for different pump models, each labeled with its specific model number. The curves generally show a decrease in head as the flow rate increases. The pump models shown include:

- 50-80-11/2
- 50-70-7.5/2
- 50-60-7.5/2
- 50-50-5.5/2
- 32-50-5.5/2
- 32-40-4/2
- 50-40-4/2
- 50-35-3/2
- 32-31-3/2
- 32-26-2.2/2
- 32-21-1.5/2
- 32-16-1.1/2
- 32-8-0.37/2
- 32-4-0.37/2
- 50-81-22/2
- 50-70-18.5/2
- 80-80-22/2
- 100-80-37/2
- 100-70-30/2
- 100-60-22/2
- 65-56-18.5/2
- 80-60-15/2
- 65-49-15/2
- 65-40-11/2
- 50-34-5.5/2
- 65-35-7.5/2
- 65-28-5.5/2
- 50-24-3/2
- 40-24-5.3/2
- 50-21-2.2/2
- 40-20.5-2.2/2
- 50-16-1.5/2
- 65-14-2.2/2
- 65-17-3/2
- 80-17-4/2
- 80-14-3/2
- 80-10.5-2.2/2
- 80-8.5-1.5/2
- 50-12-1.1/2
- 40-17.5-1.1/2
- 40-13-0.75/2
- 80-10.5-2.2/2
- 80-8.5-1.5/2
- 100-50-22/2
- 125-50-30/2
- 125-44-30/2
- 125-37.5-22/2
- 100-38-15/2
- 100-32-22/2
- 100-30-18.5/2
- 100-24-18/2
- 100-20-11/2
- 80-28-11/2
- 80-21.5-7.5/2
- 80-20-5.5/2

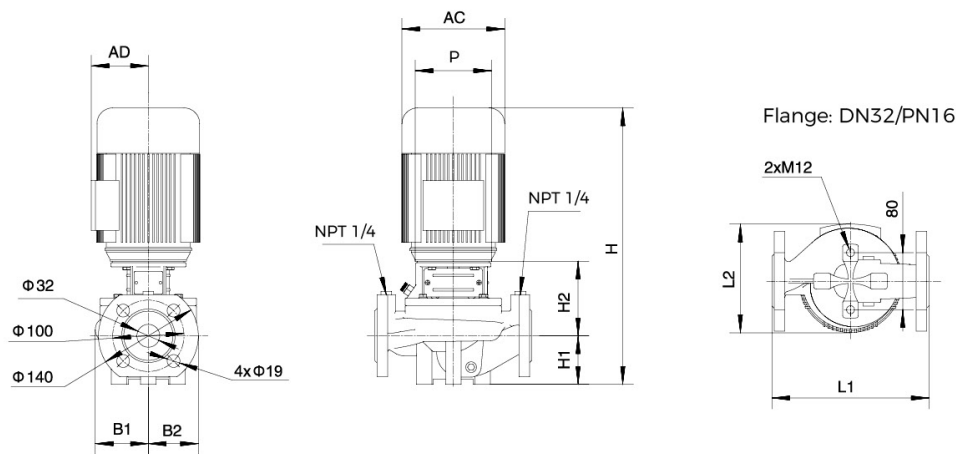


Hydraulic Performance Curves

LPP32	Rated speed: 2900r/min	Max. working pressure: 16bar
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Dimension

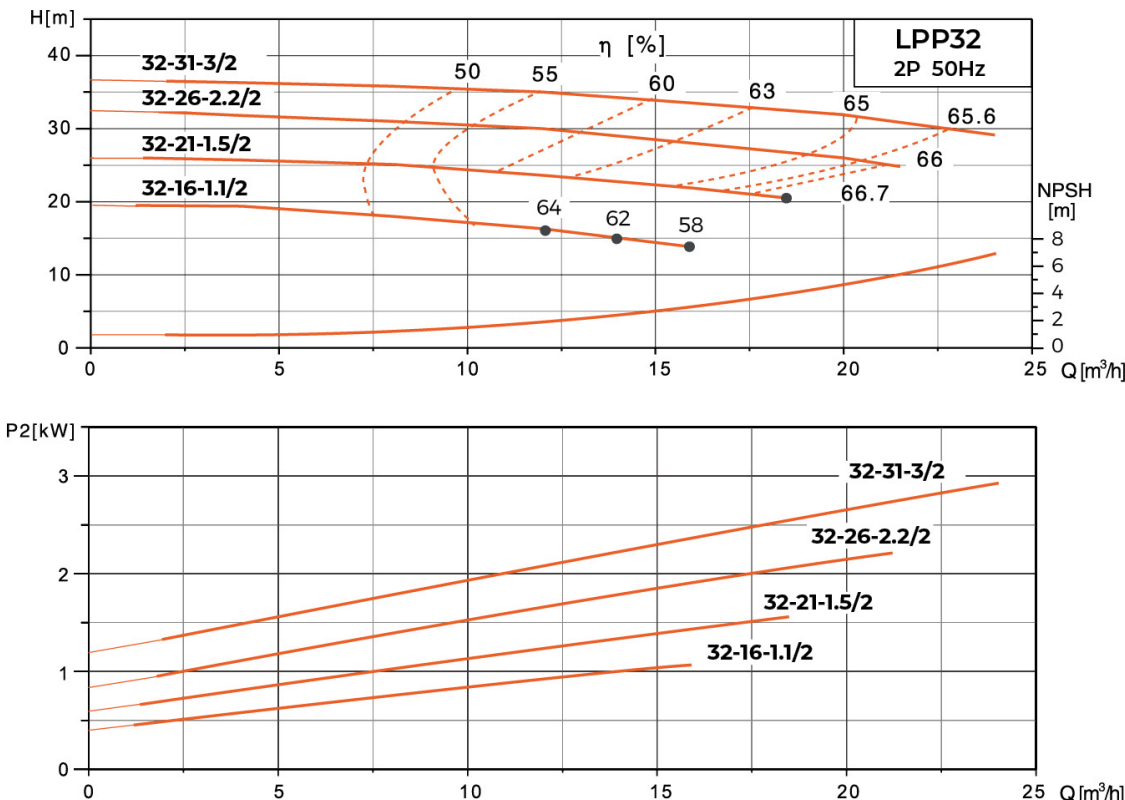


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP32-8-0.37/2	220	175	386	68	104.5	75	70	Φ105	105	130
LPP32-4-0.37/2										

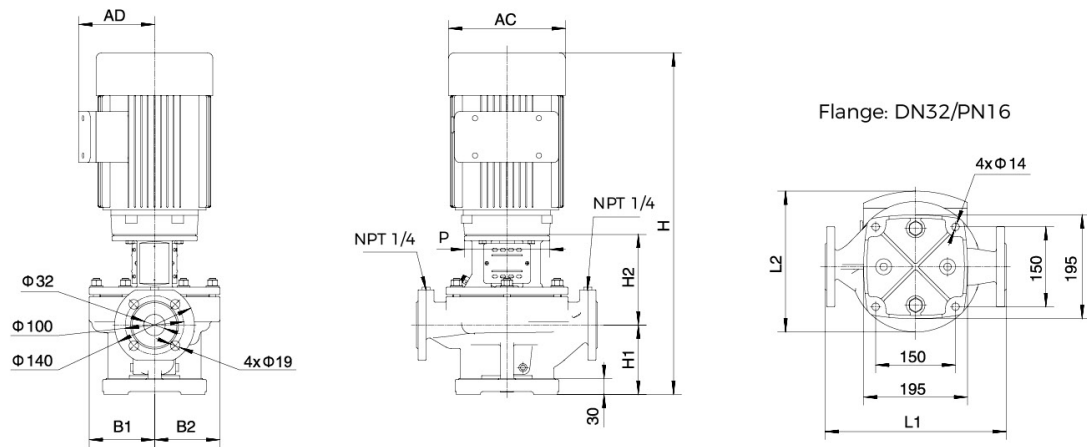
LPP32-8-0.37/2 & LPP32-4-0.37/2 can't be equipped with base plate

Hydraulic Performance Curves

LPP32	Rated speed: 2900r/min	Max. working pressure: 16bar
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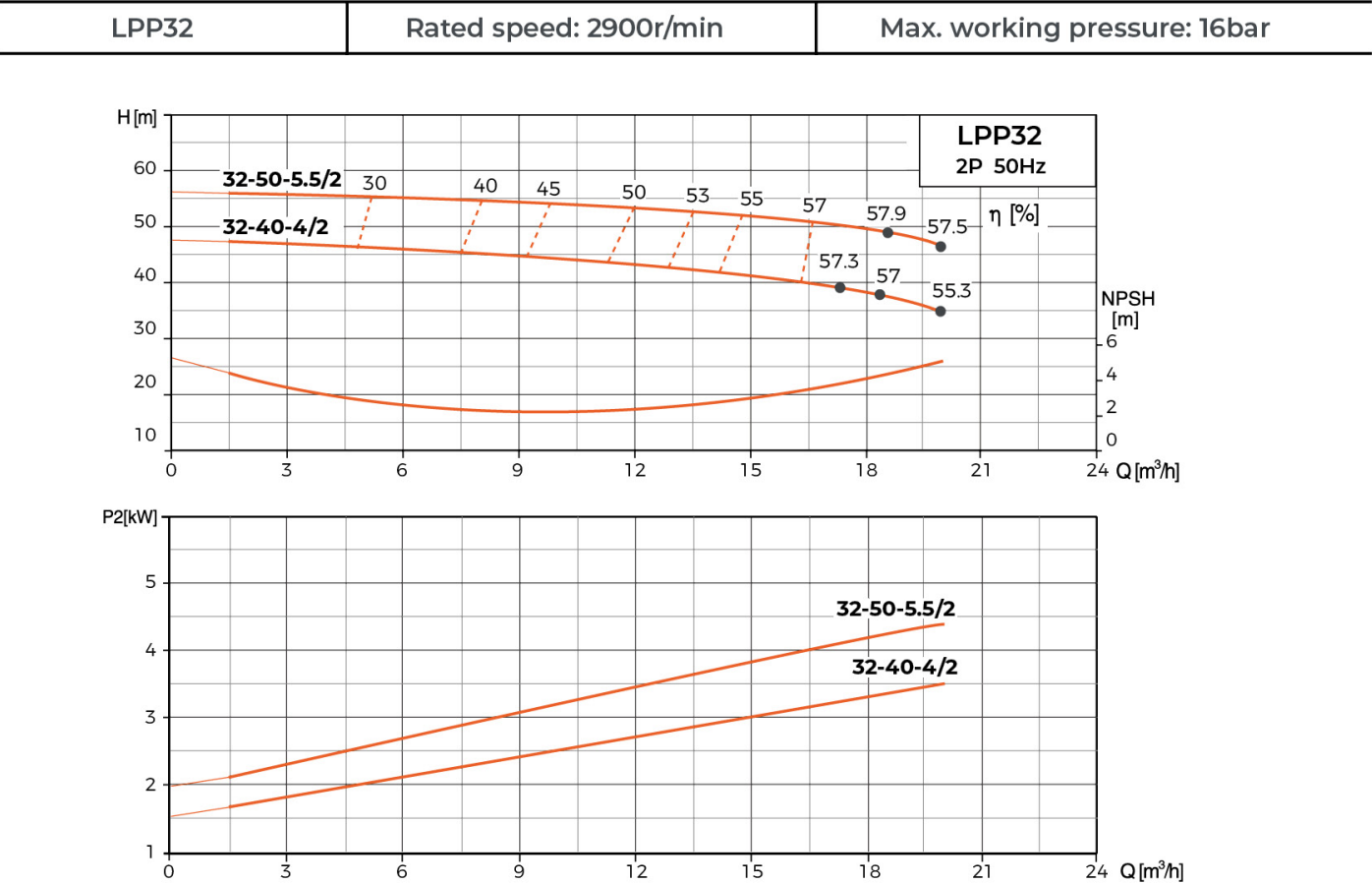


Dimension

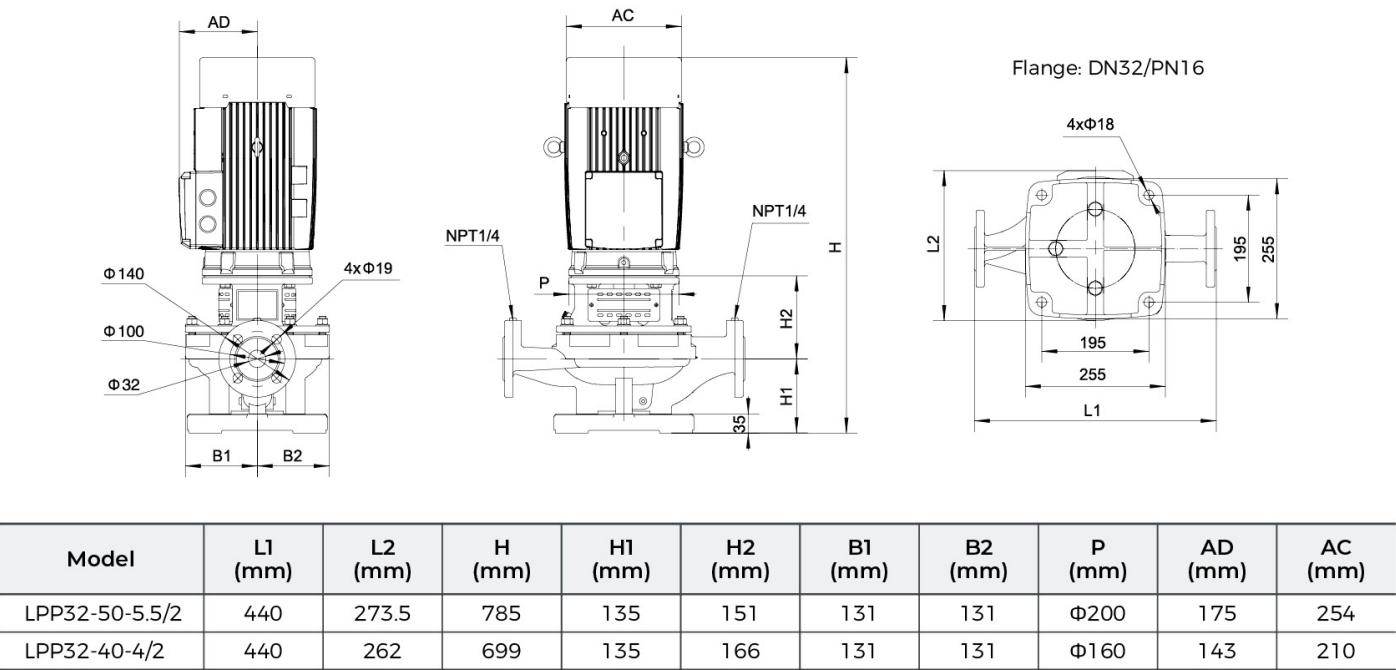


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP32-31-3/2	340	246	644	130	171	123	123	Φ160	120	186
LPP32-26-2.2/2	340	250.5	621	130	171	123	123	Φ140	128	164
LPP32-21-1.5/2	340	250.5	621	130	171	123	123	Φ140	128	164
LPP32-16-1.1/2	340	247.5	572	130	171	123	123	Φ120	125	150

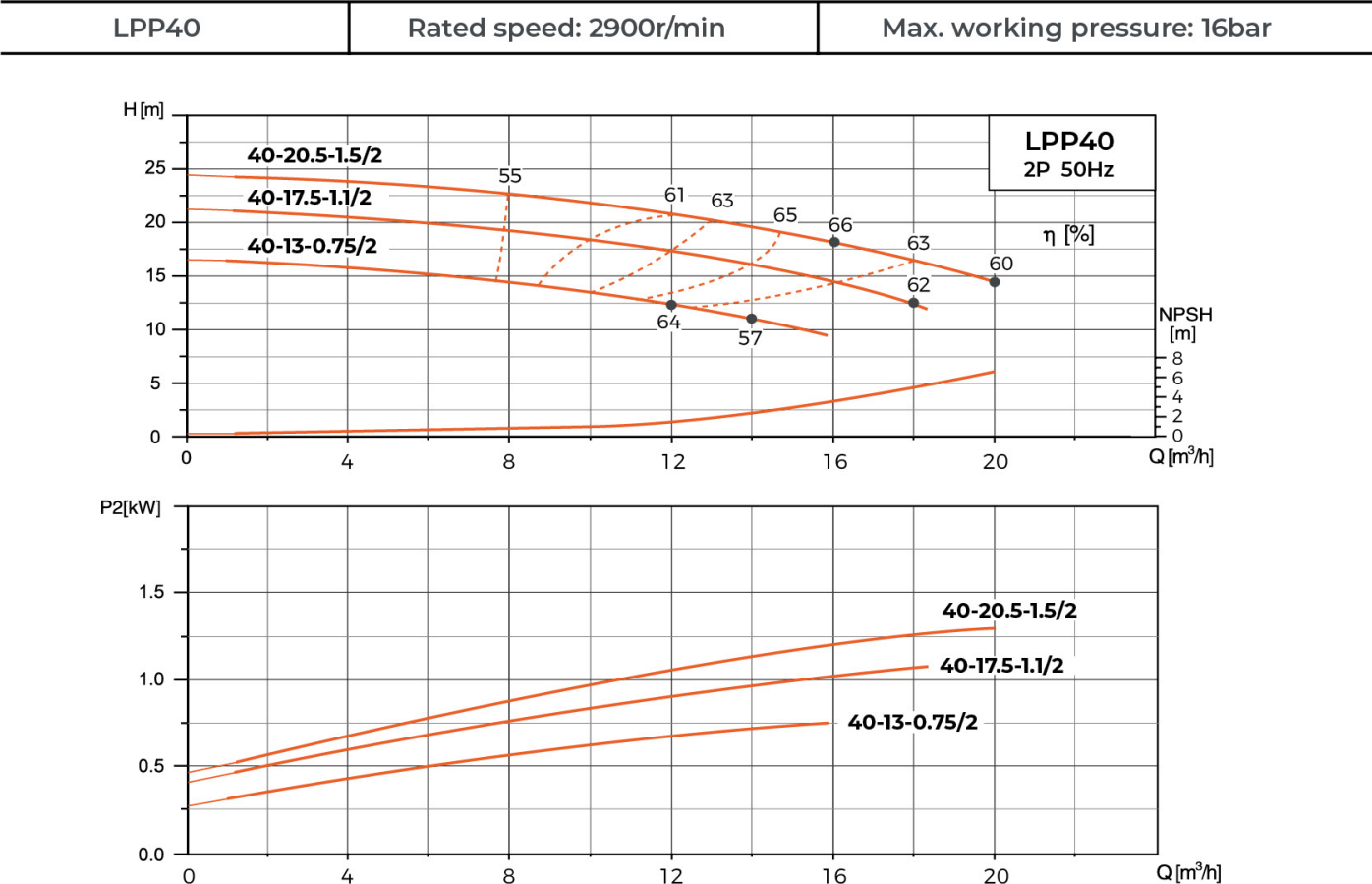
Hydraulic Performance Curves



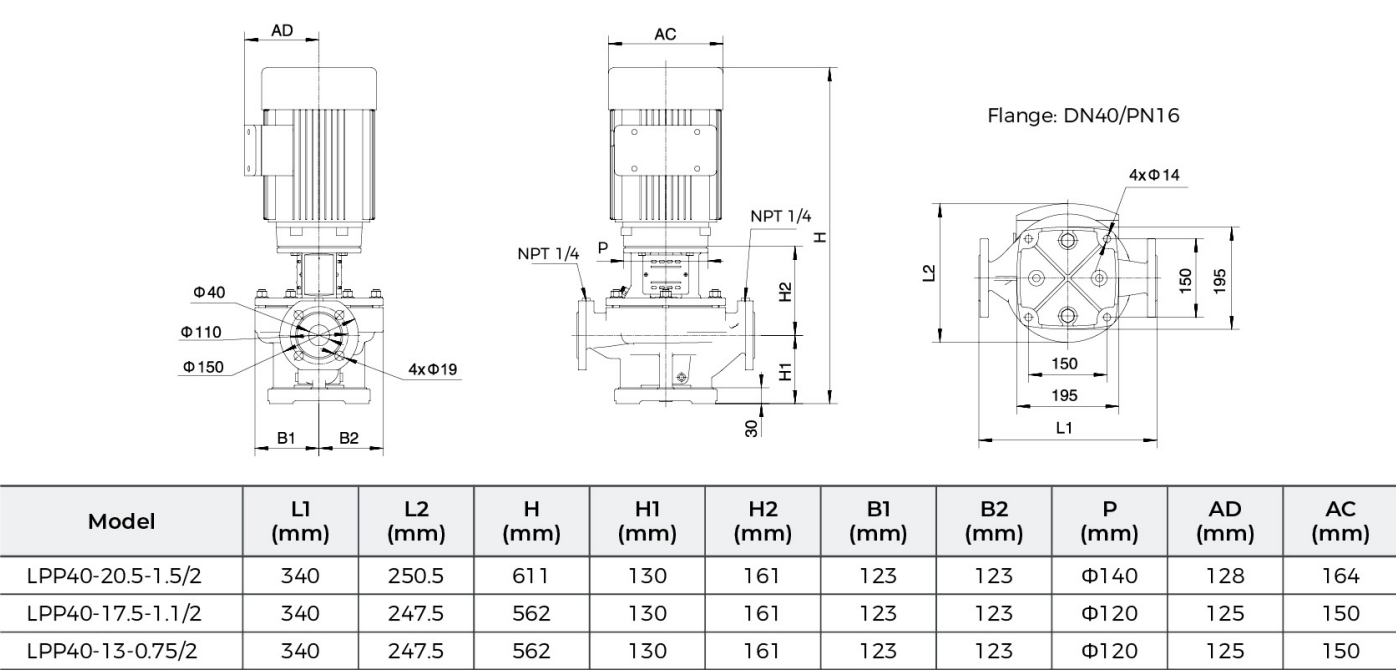
Dimension



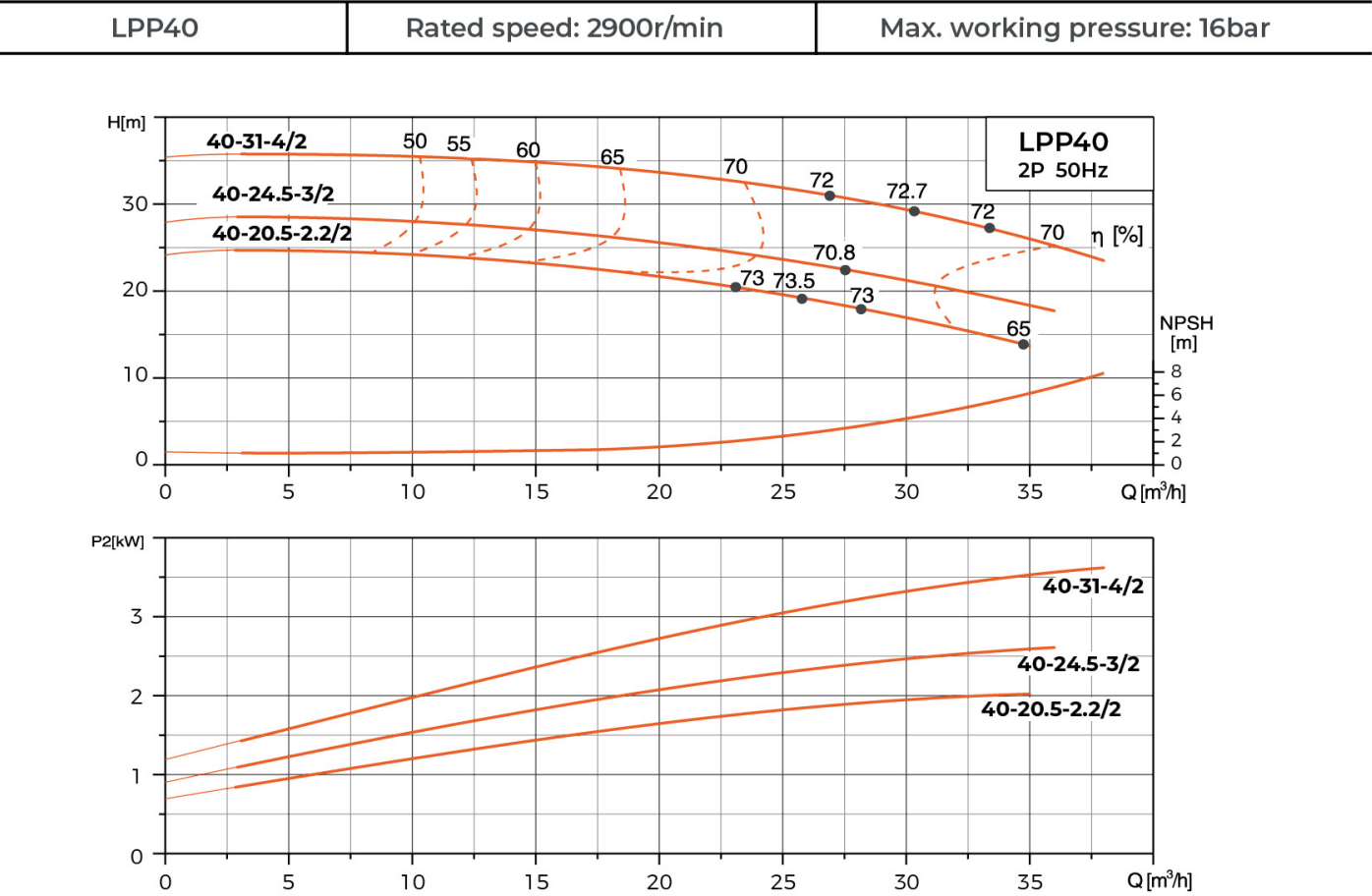
Hydraulic Performance Curves



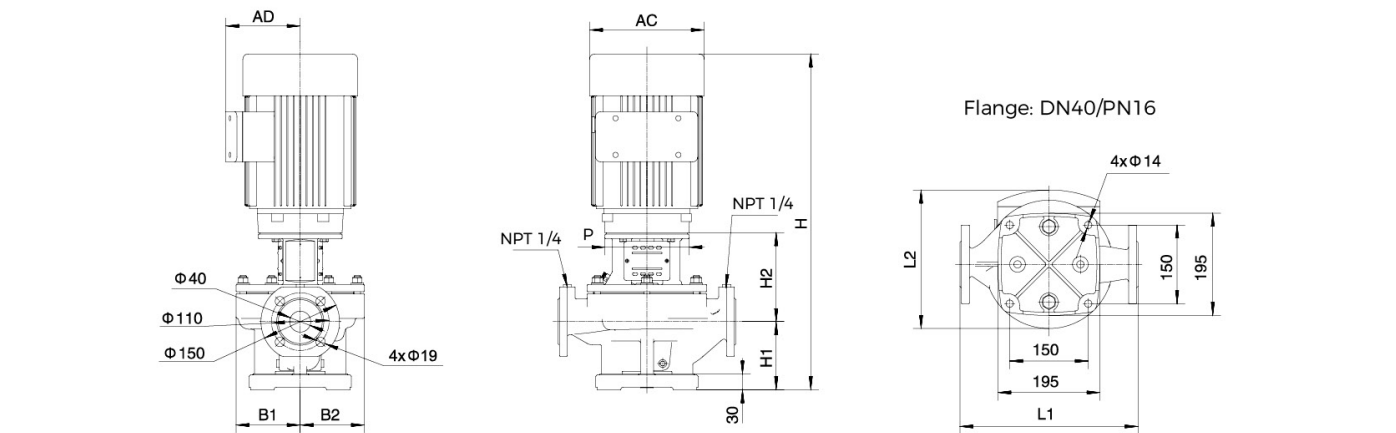
Dimension



Hydraulic Performance Curves

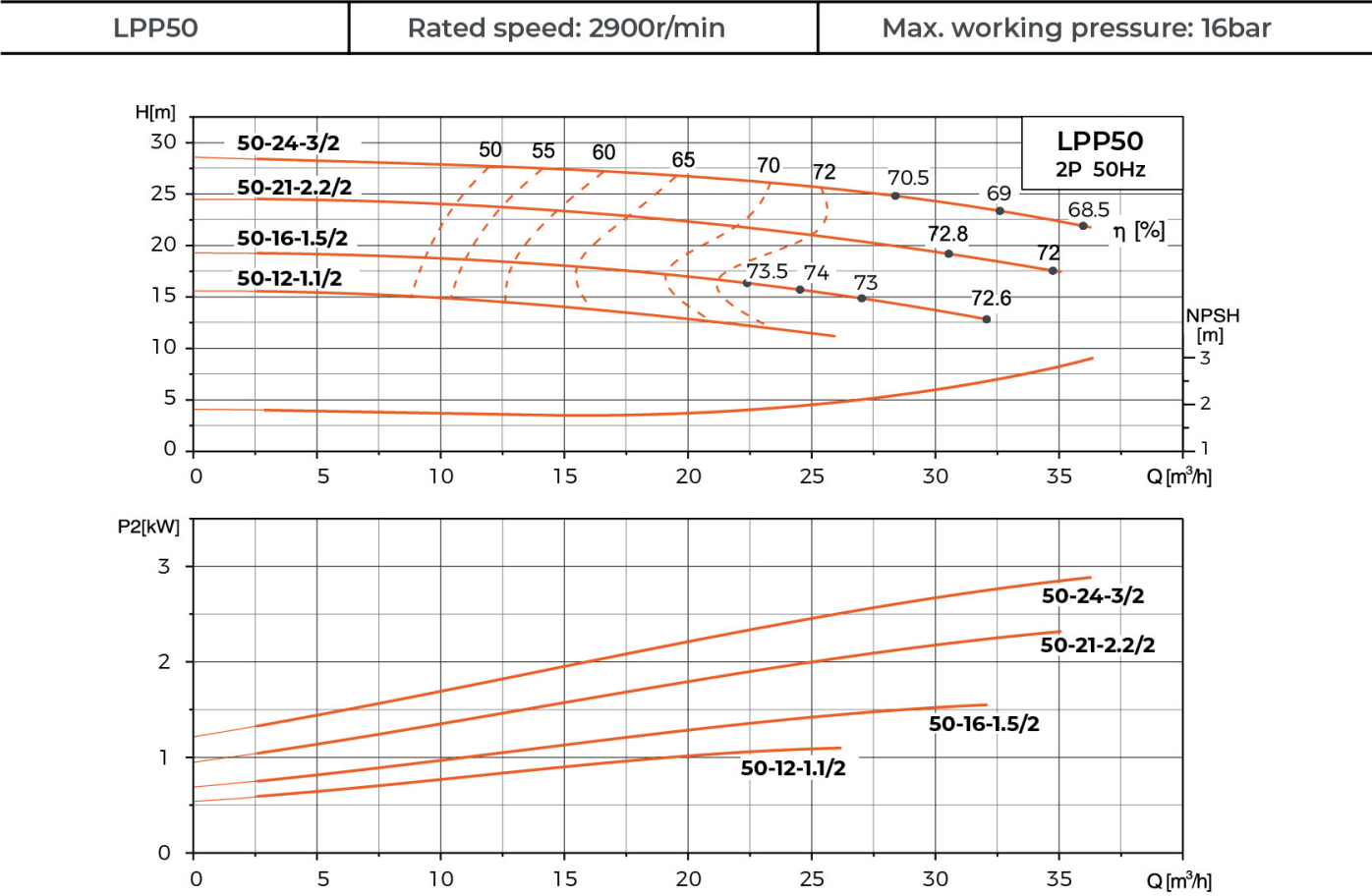


Dimension

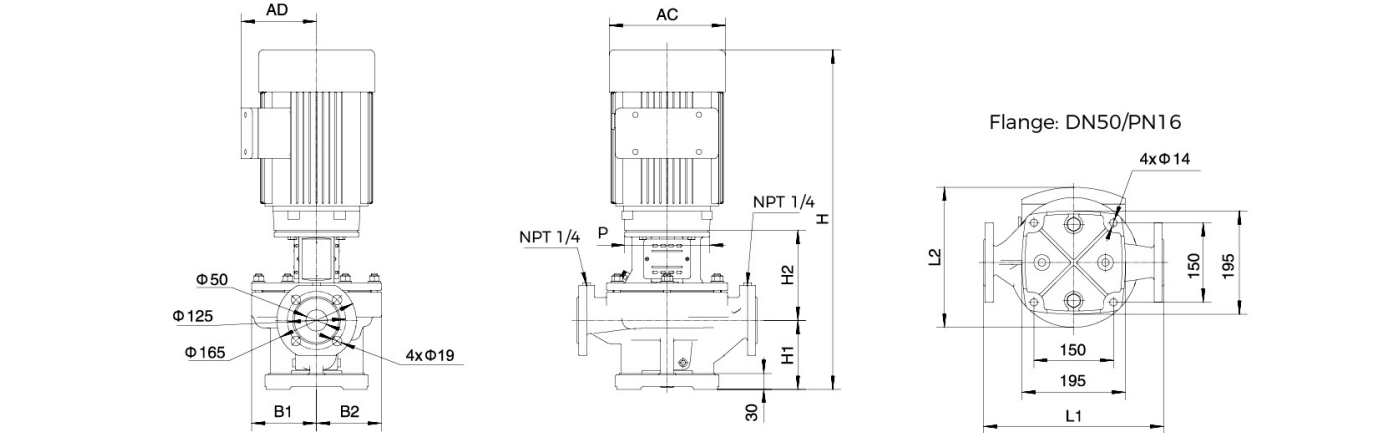


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP40-31-4/2	340	246	698	130	170	123	123	Φ160	143	210
LPP40-24.5-3/2	340	246	643	130	170	123	123	Φ160	120	186
LPP40-20.5-2.2/2	340	247.5	620	130	170	123	123	Φ140	128	164

Hydraulic Performance Curves

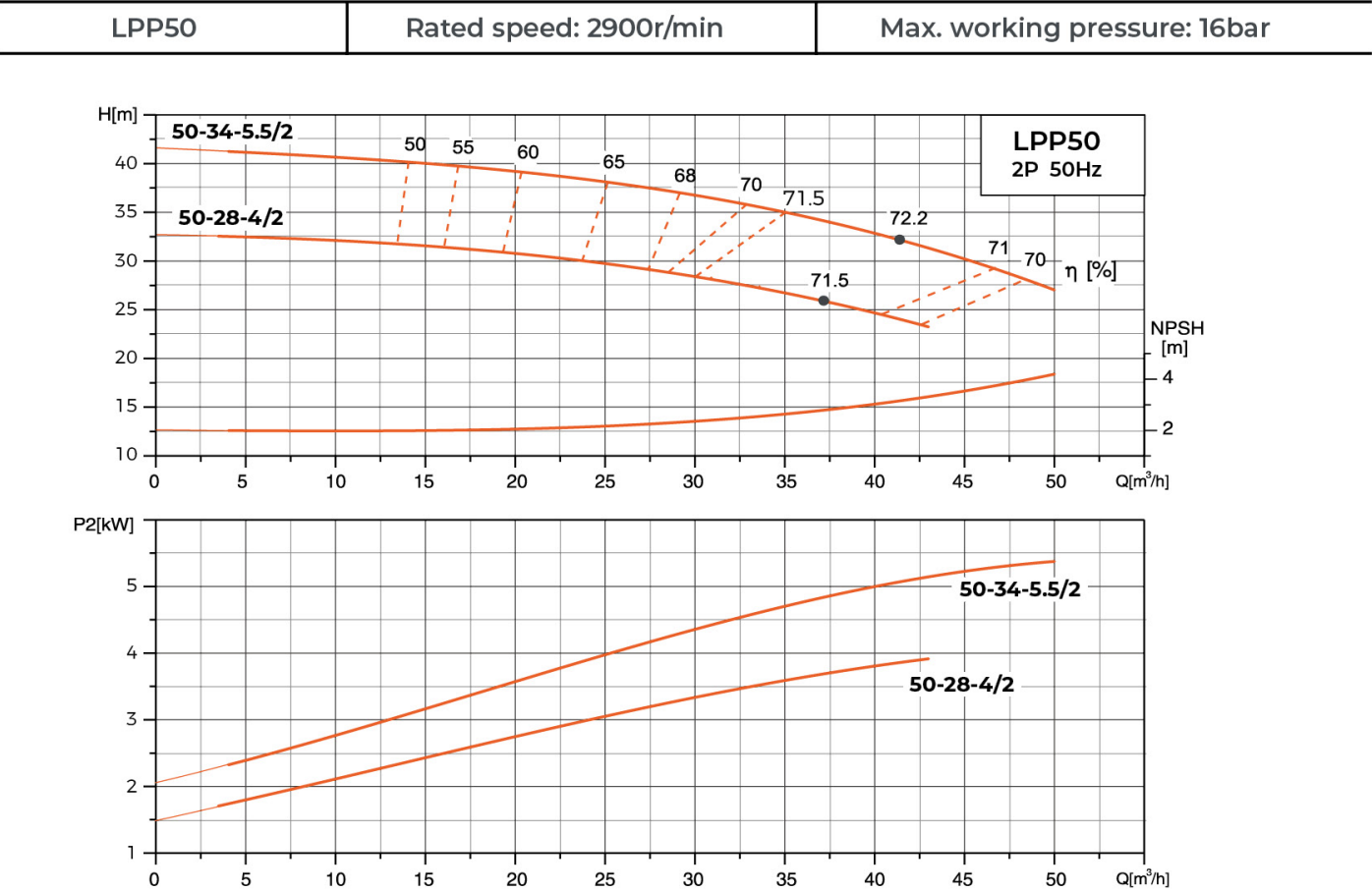


Dimension

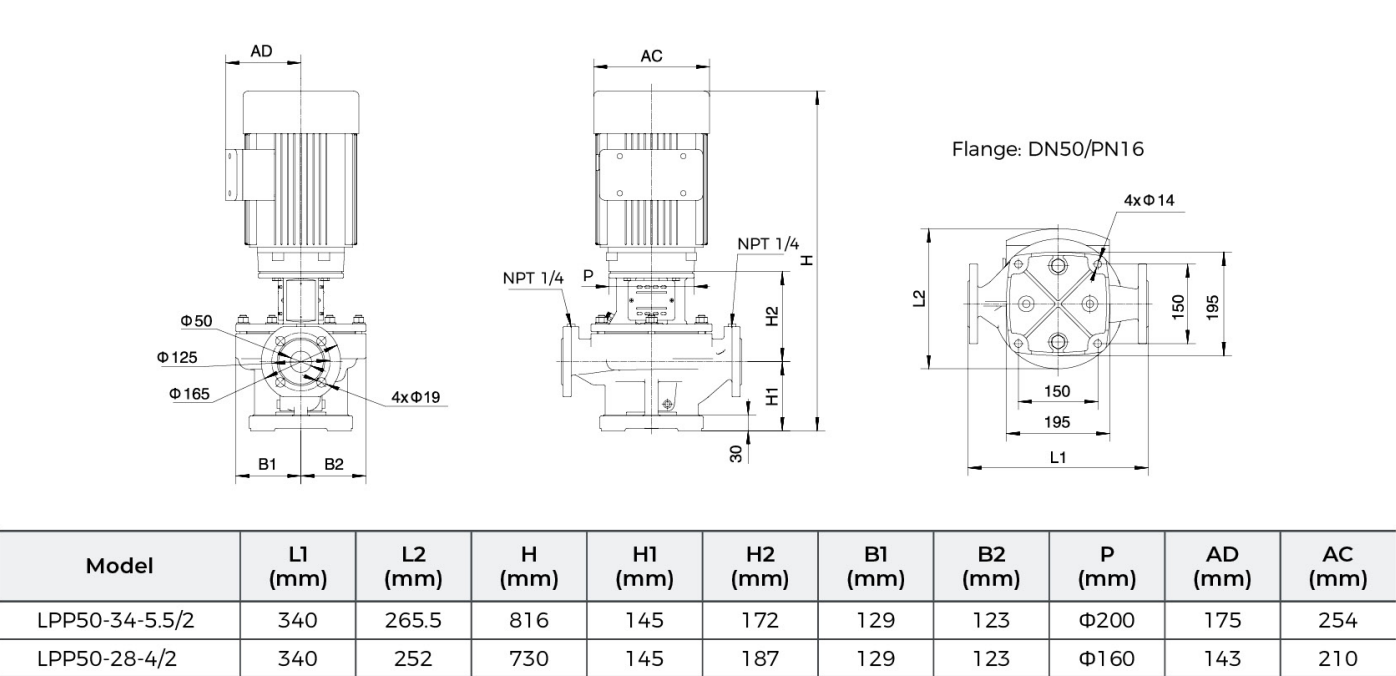


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP50-24-3/2	340	246	666	145	178	123	123	Φ160	120	186
LPP50-21-2.2/2	340	250.5	643	145	178	123	123	Φ140	128	164
LPP50-16-1.5/2	340	250.5	643	145	178	123	123	Φ140	128	164
LPP50-12-1.1/2	340	247.5	594	145	178	123	123	Φ120	125	150

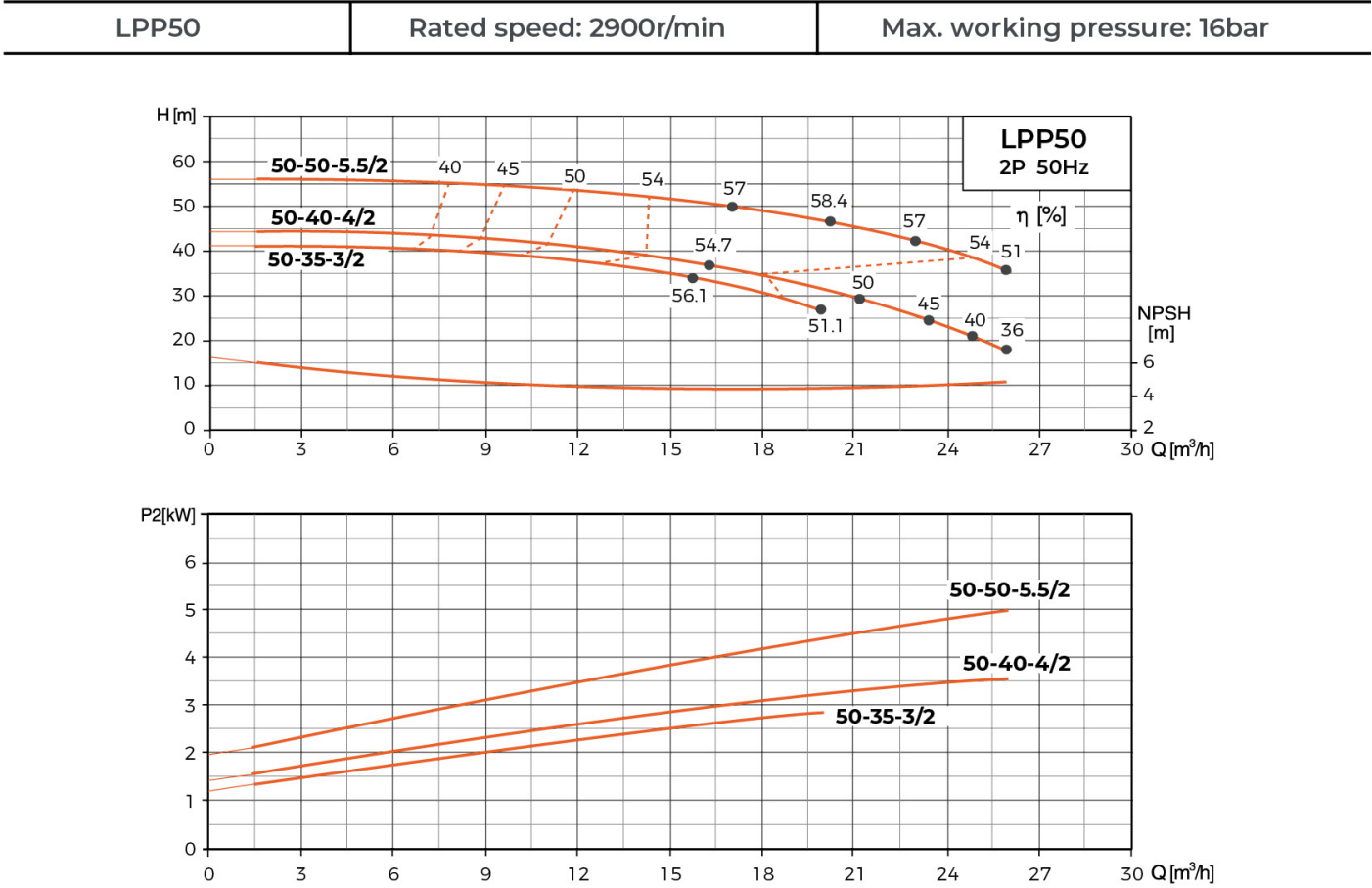
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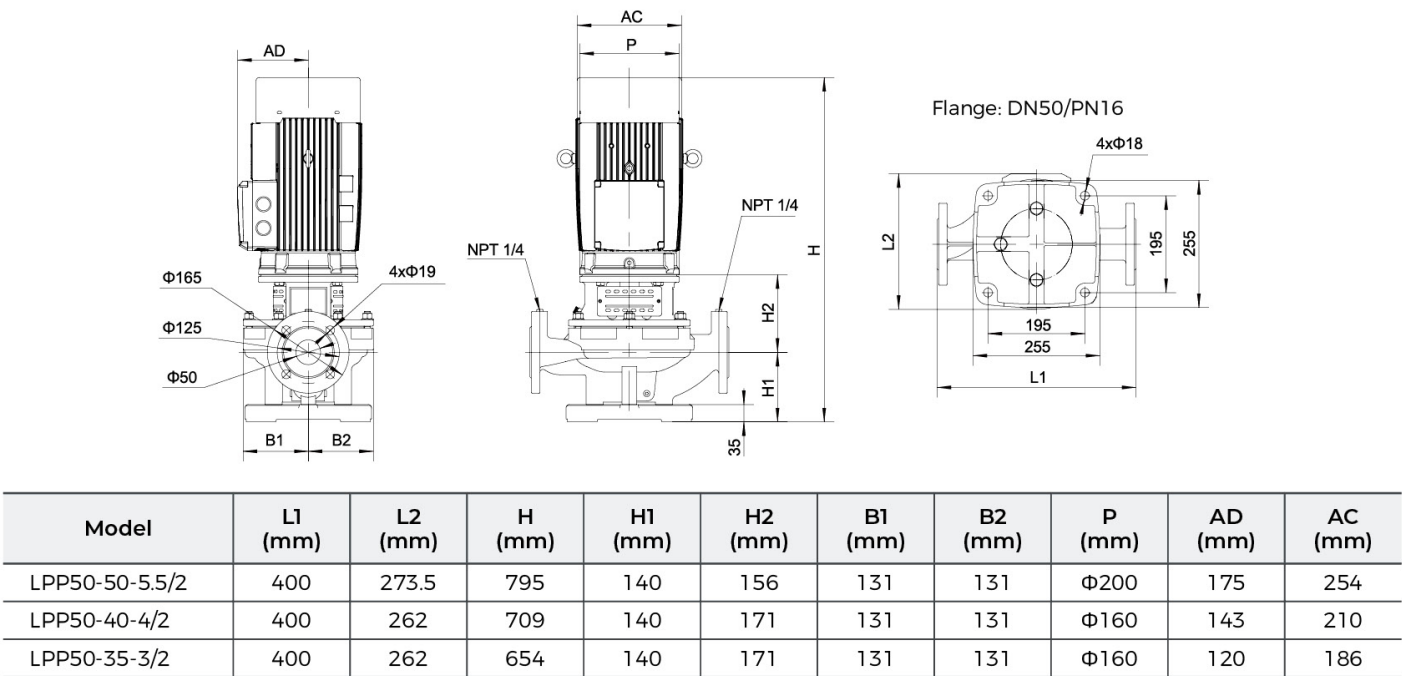
Dimension



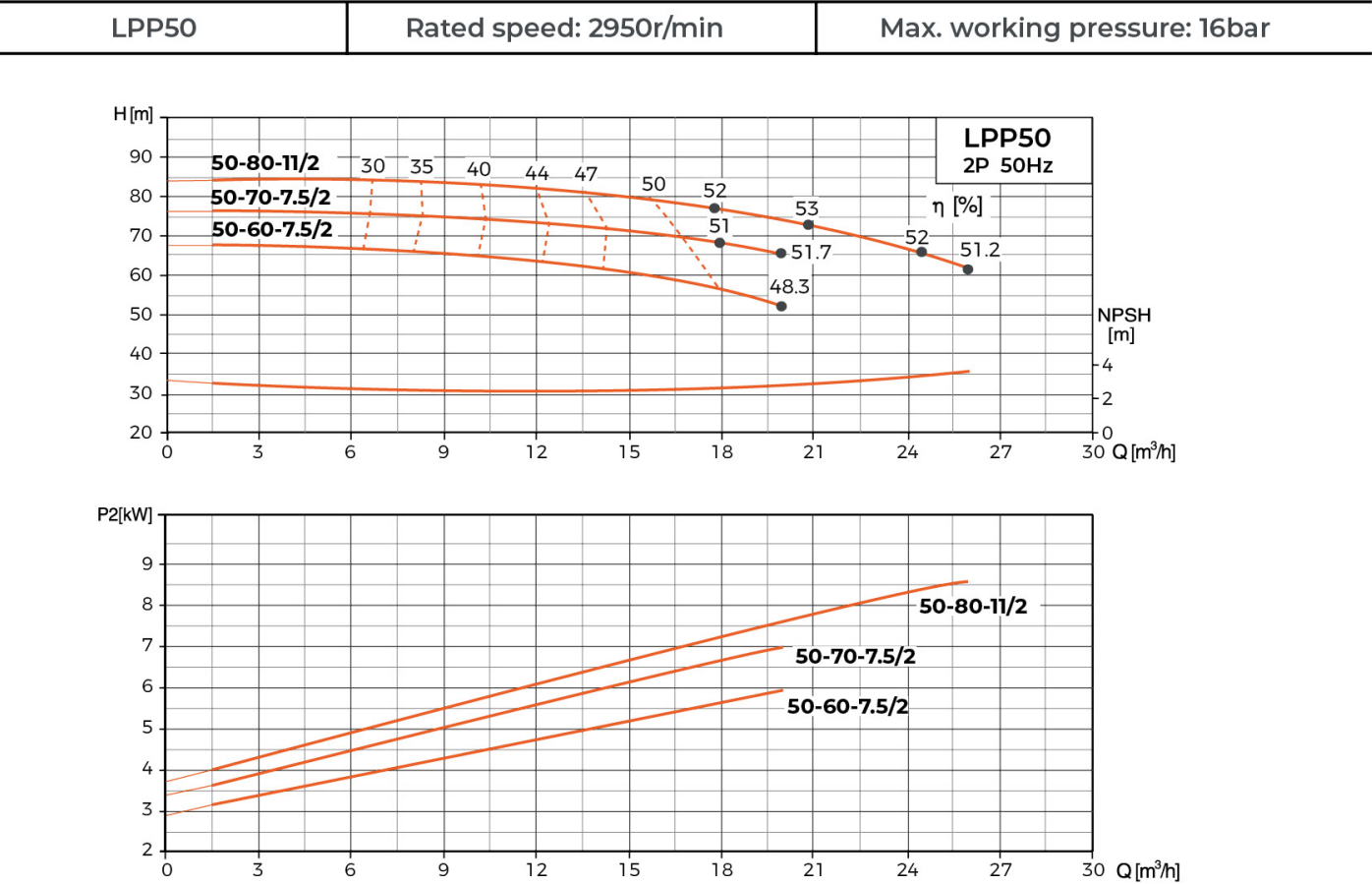
Hydraulic Performance Curves



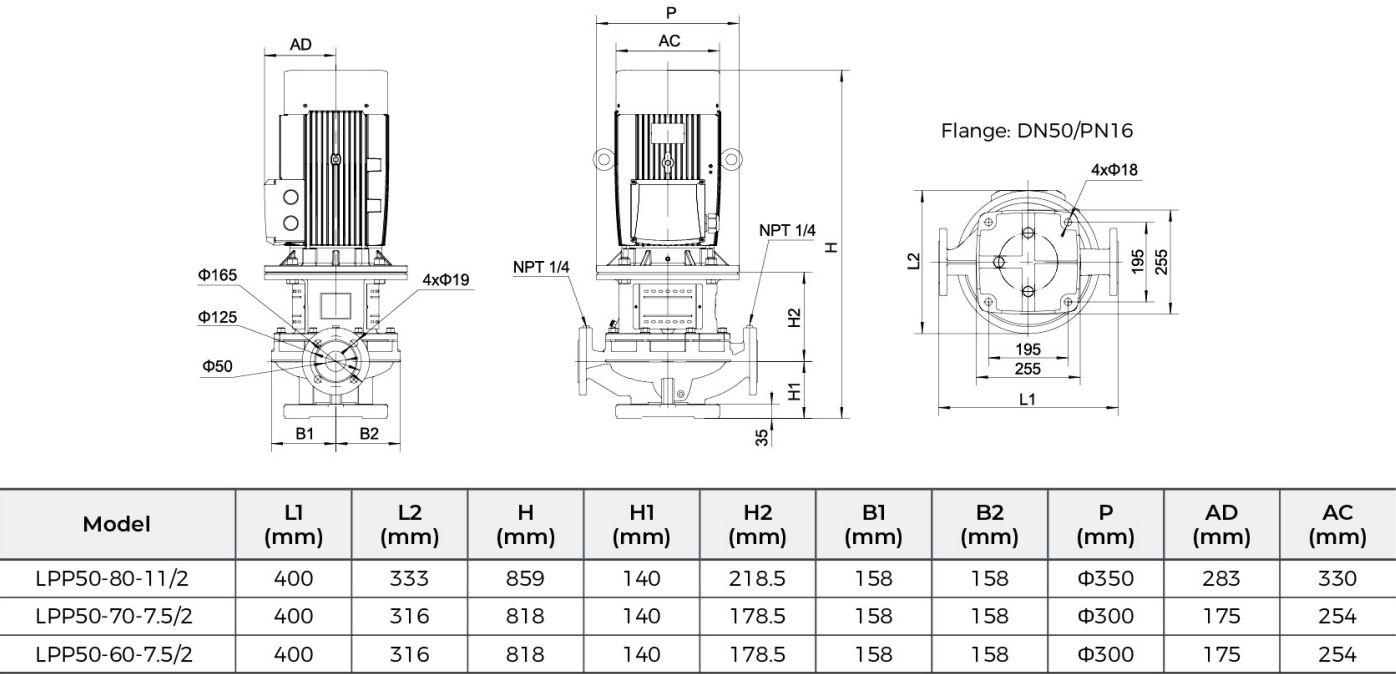
Dimension



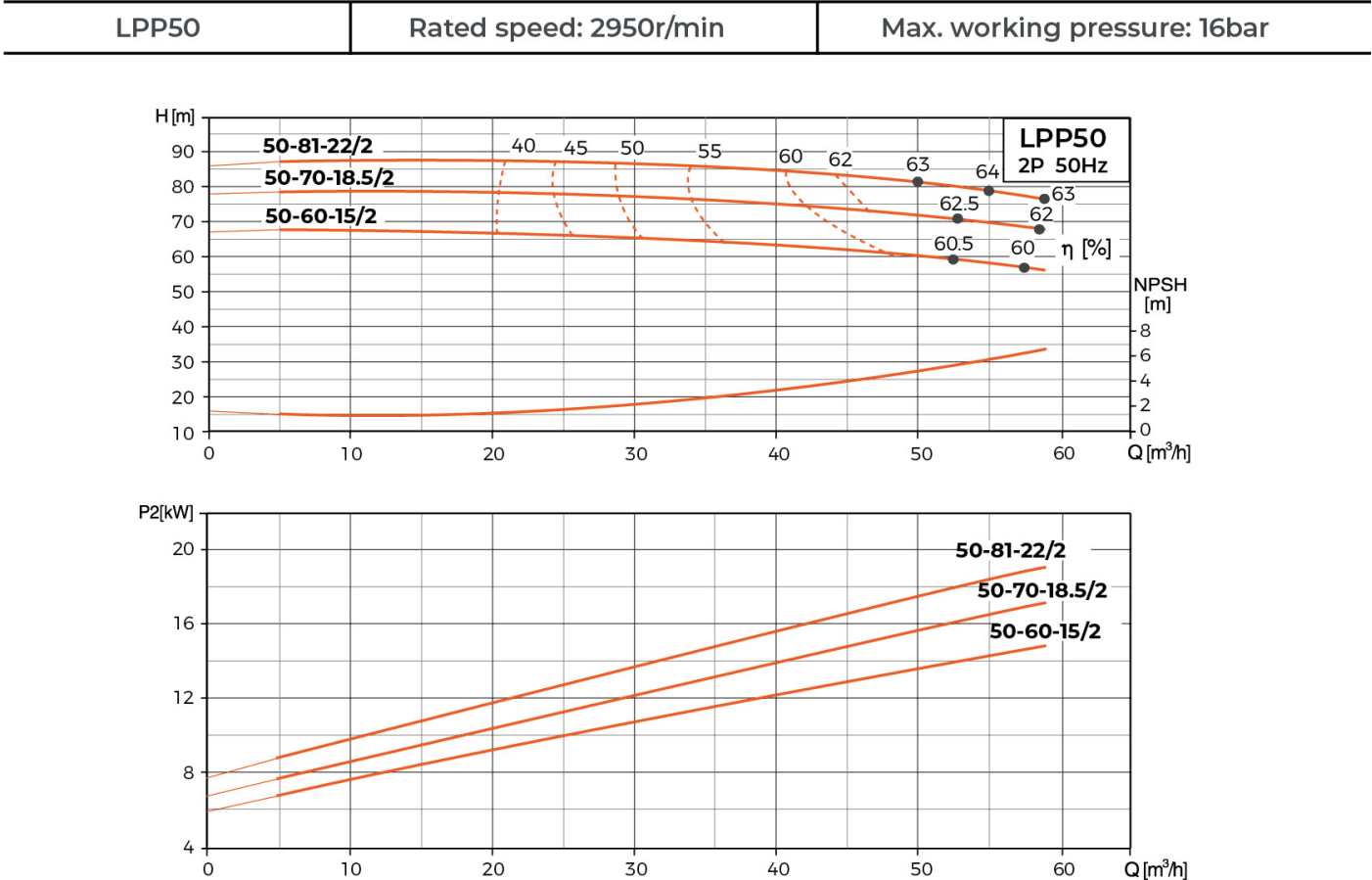
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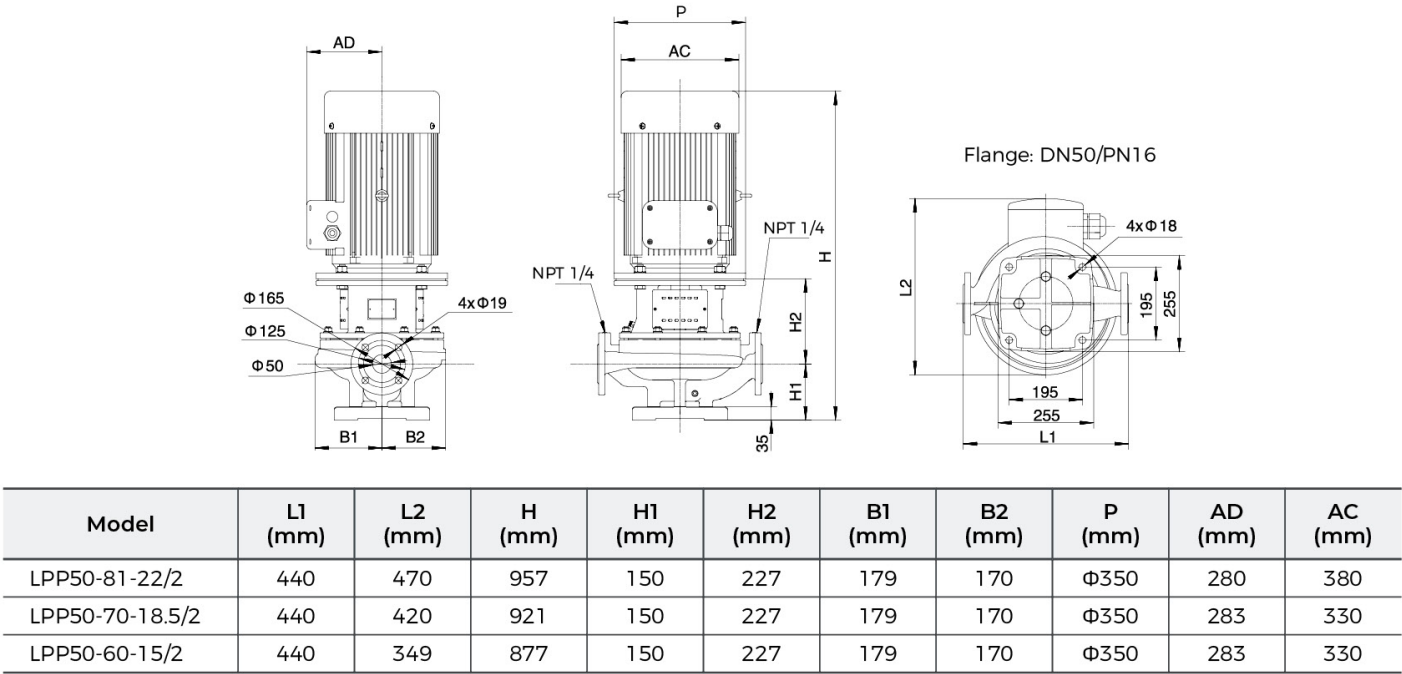
Dimension



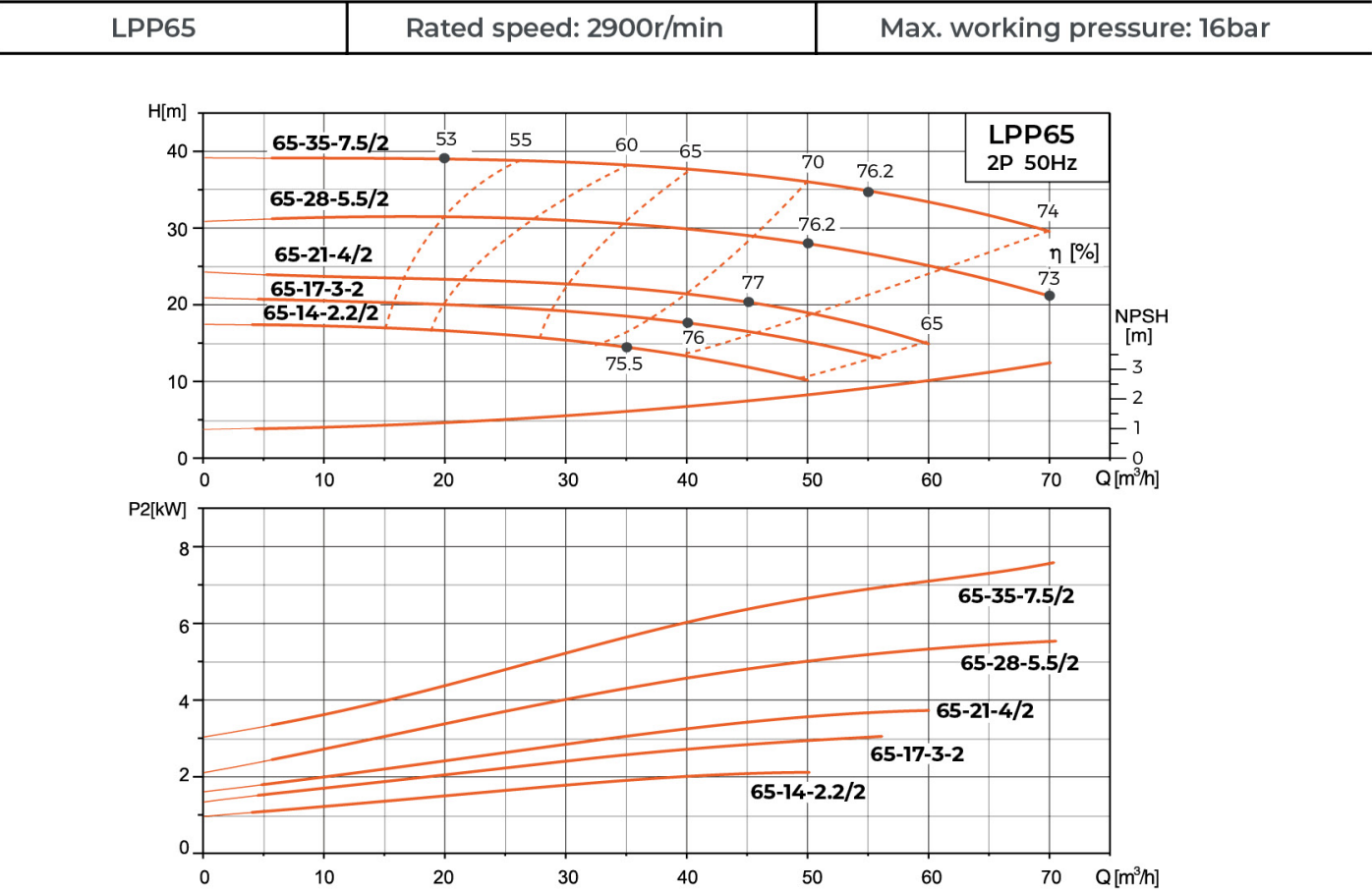
Hydraulic Performance Curves



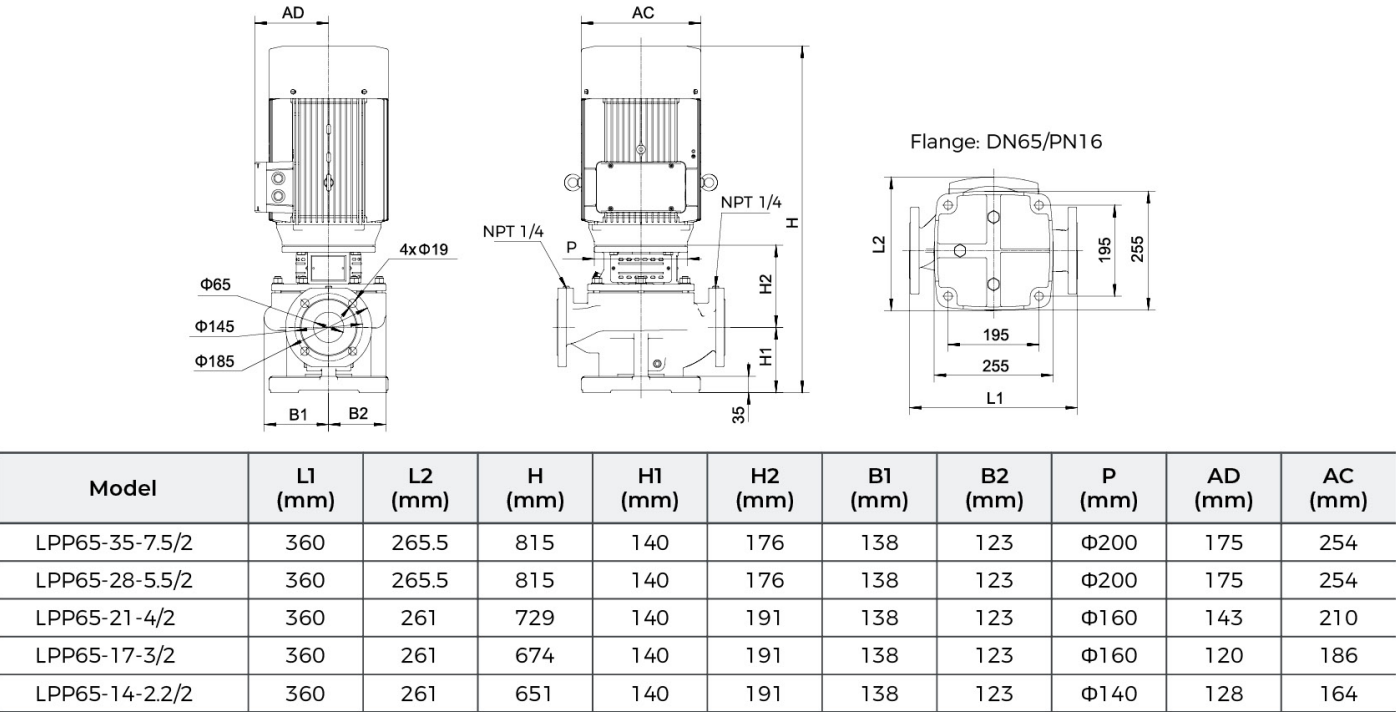
Dimension



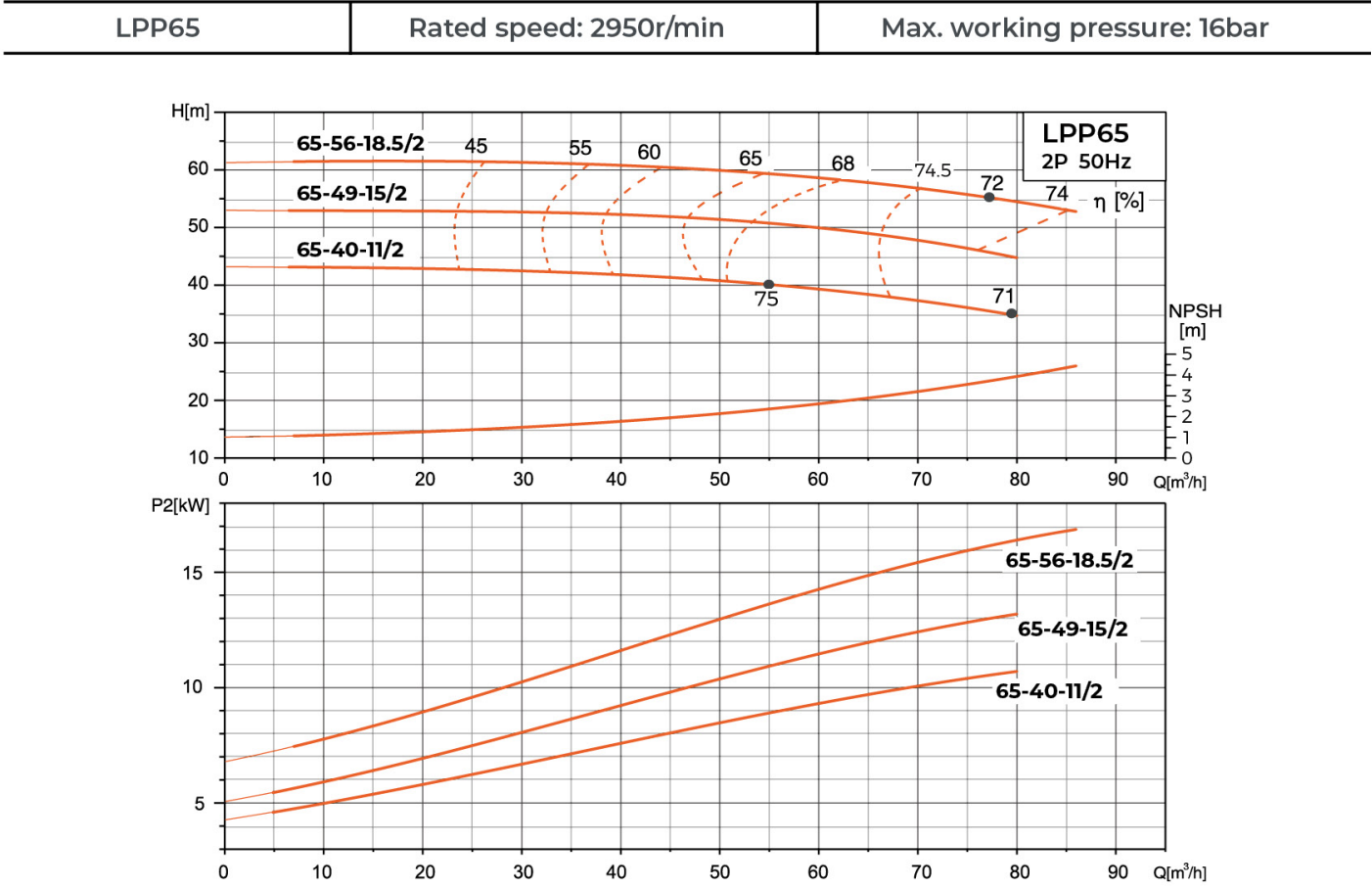
Hydraulic Performance Curves



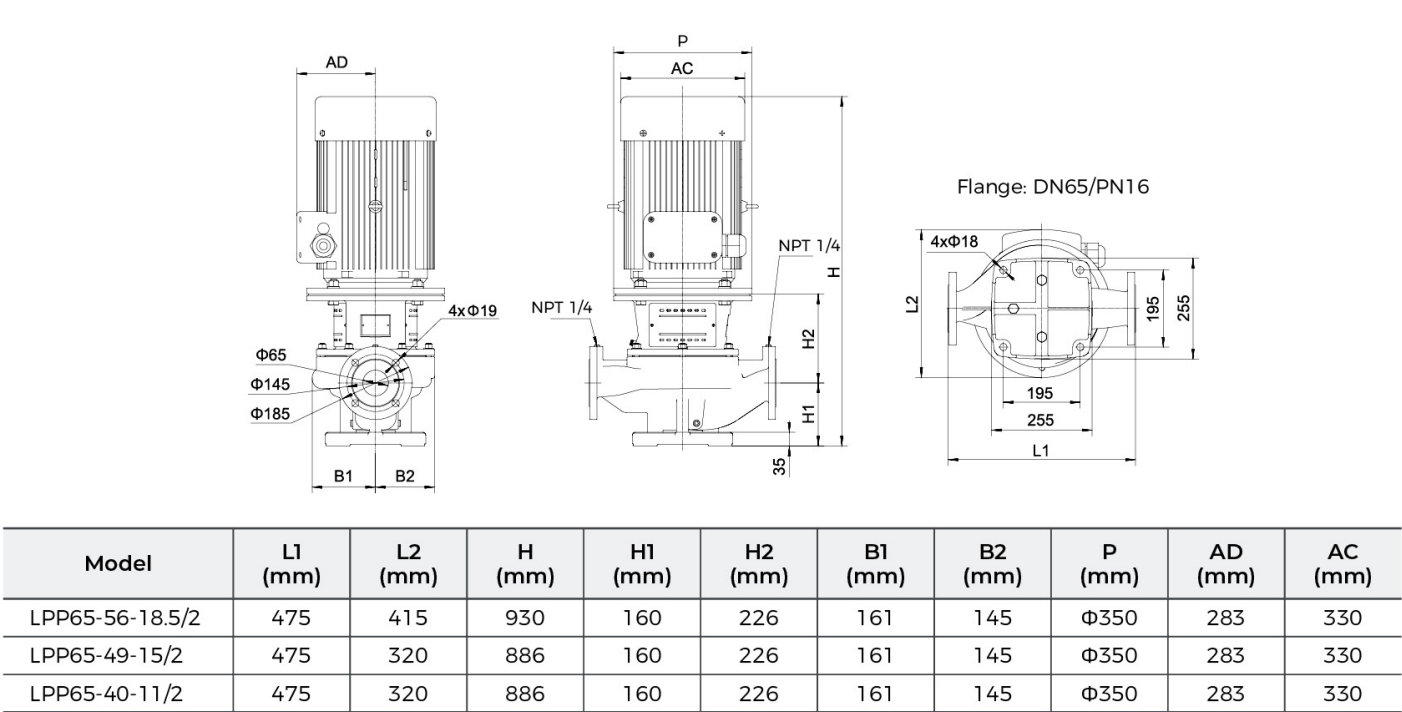
Dimension



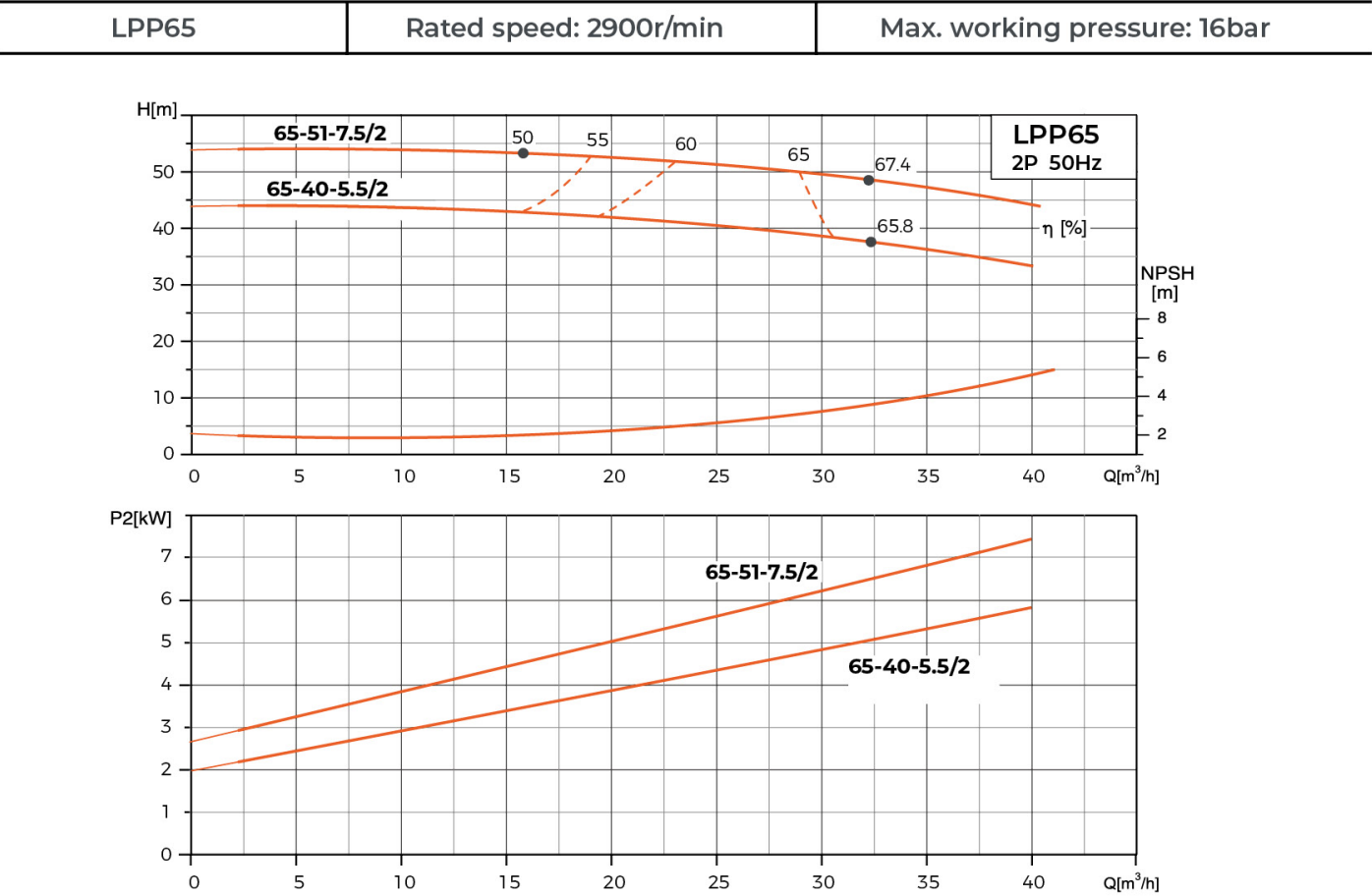
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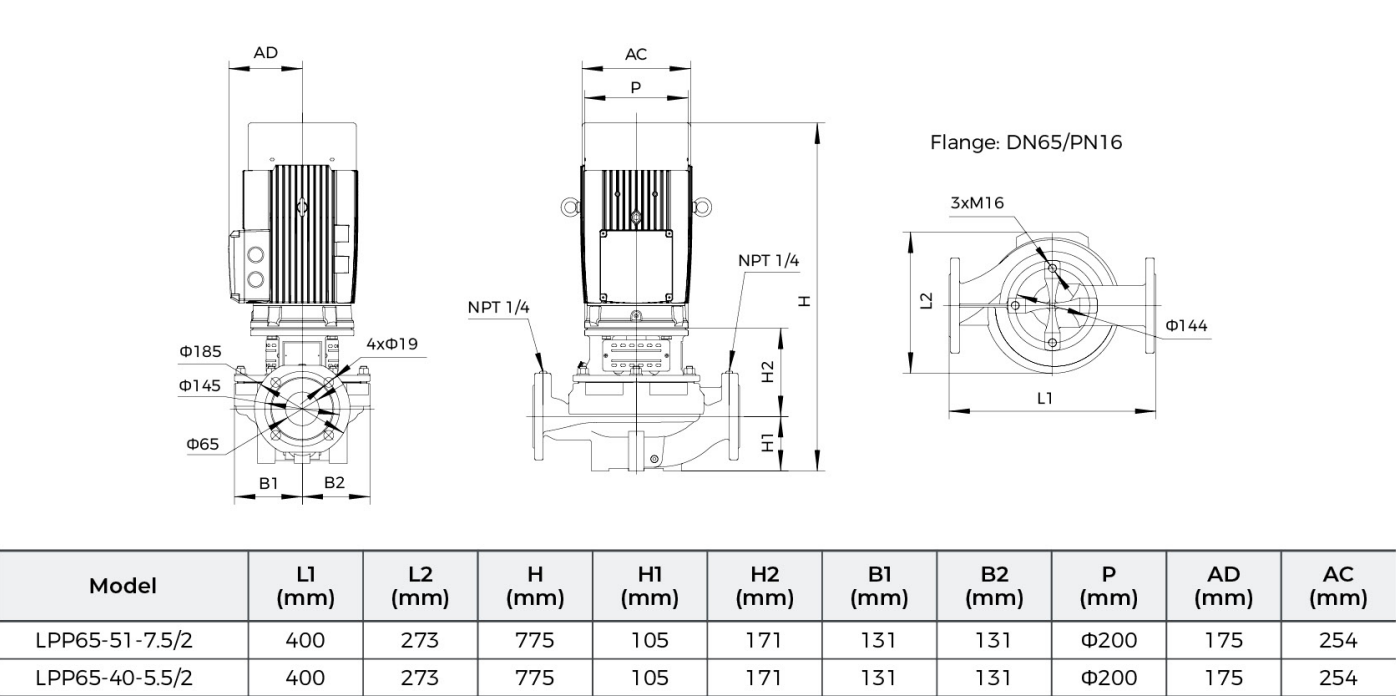
Dimension



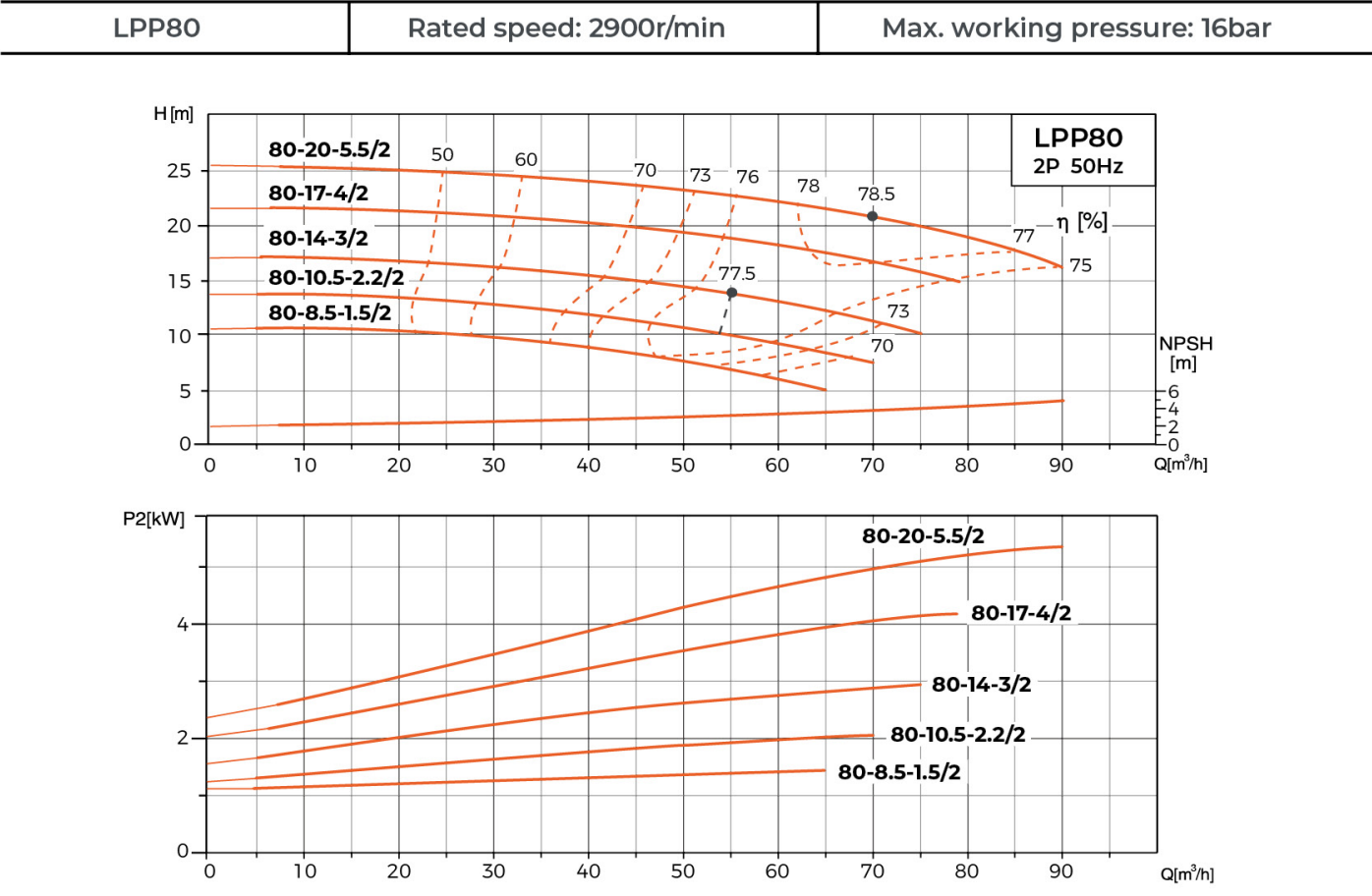
Hydraulic Performance Curves



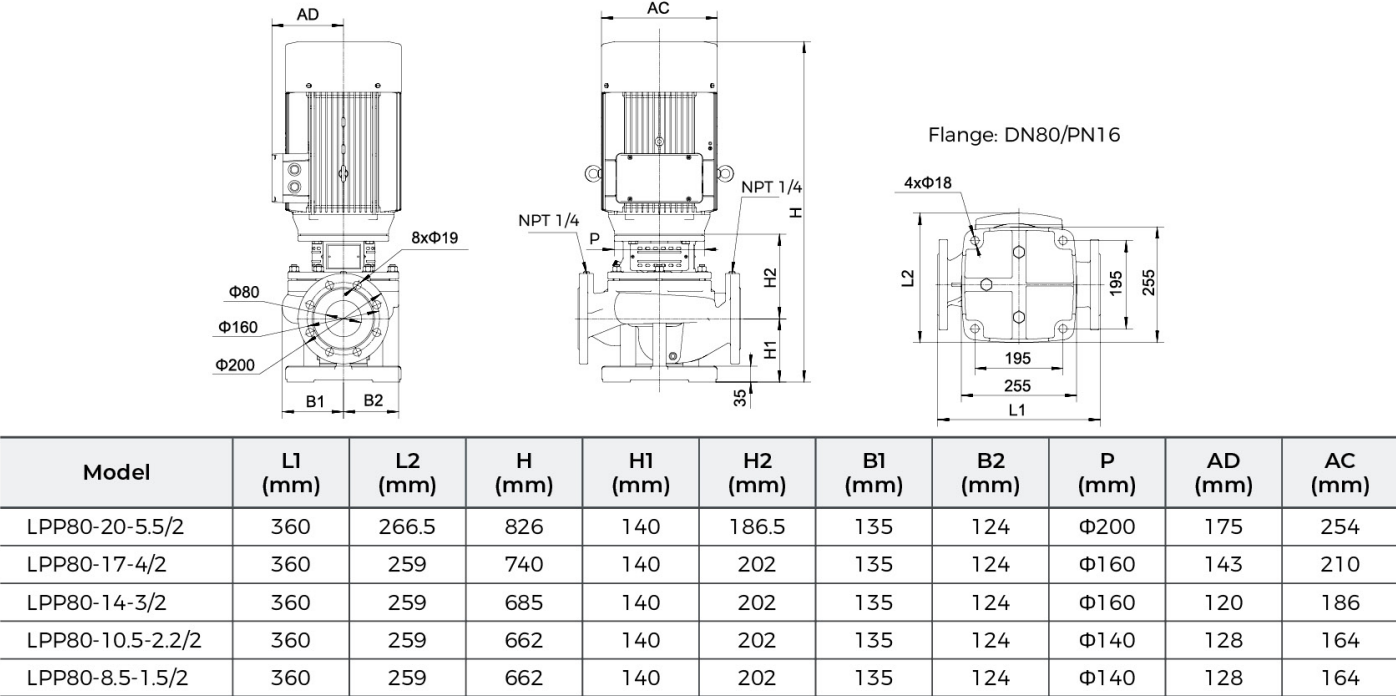
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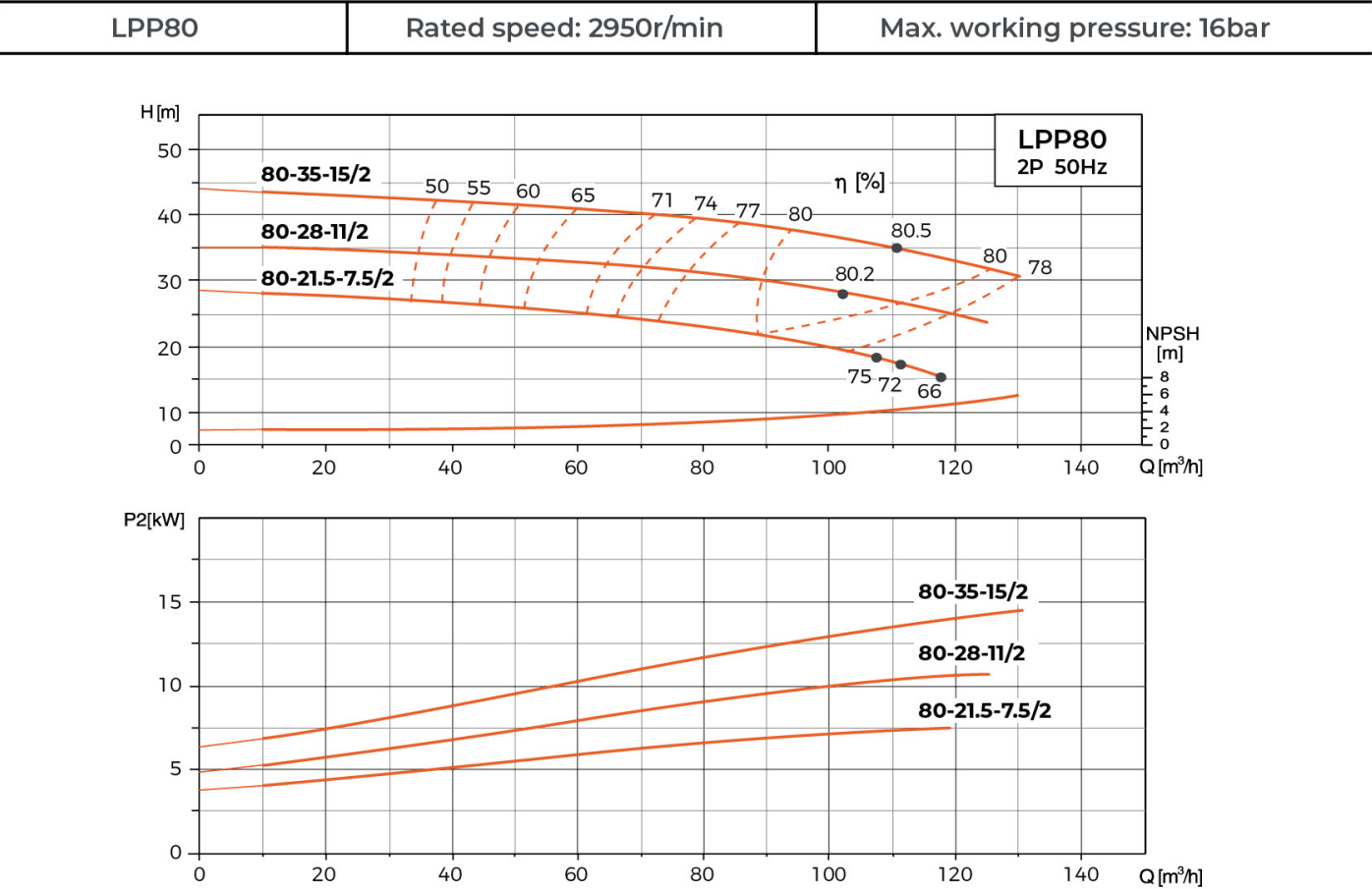
Hydraulic Performance Curves



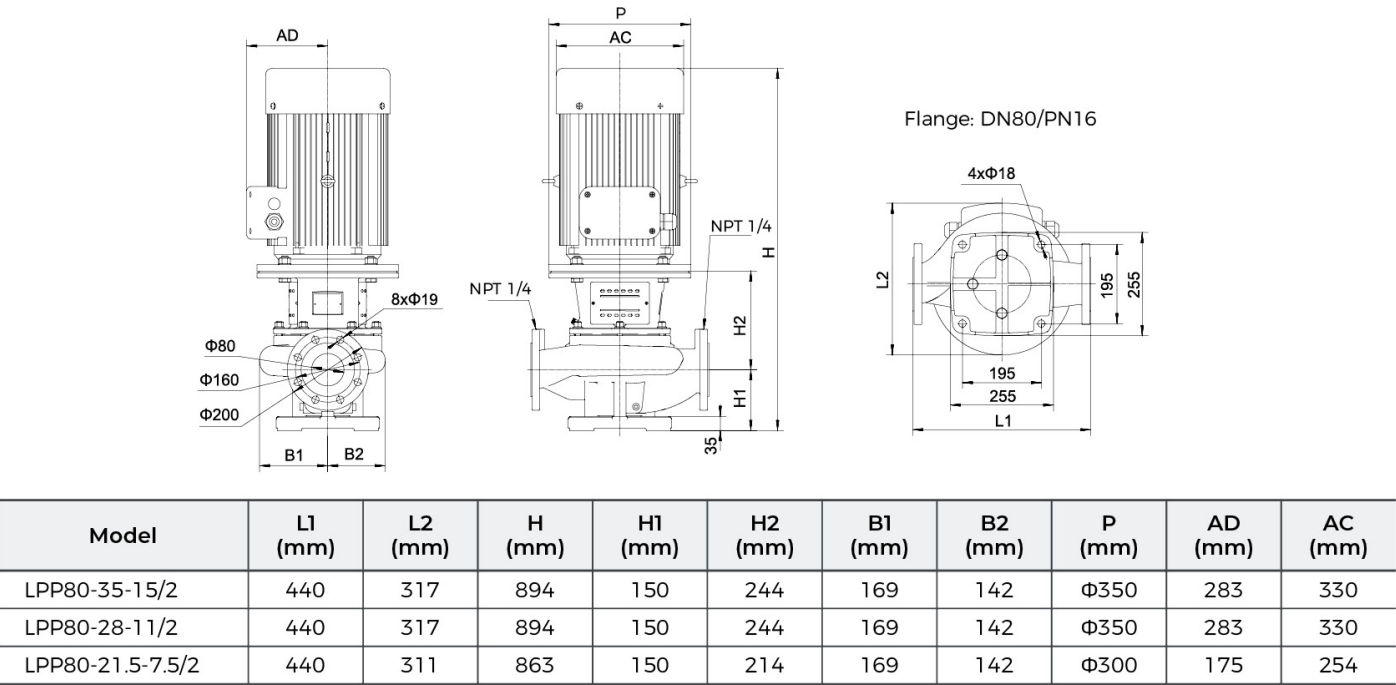
Dimension



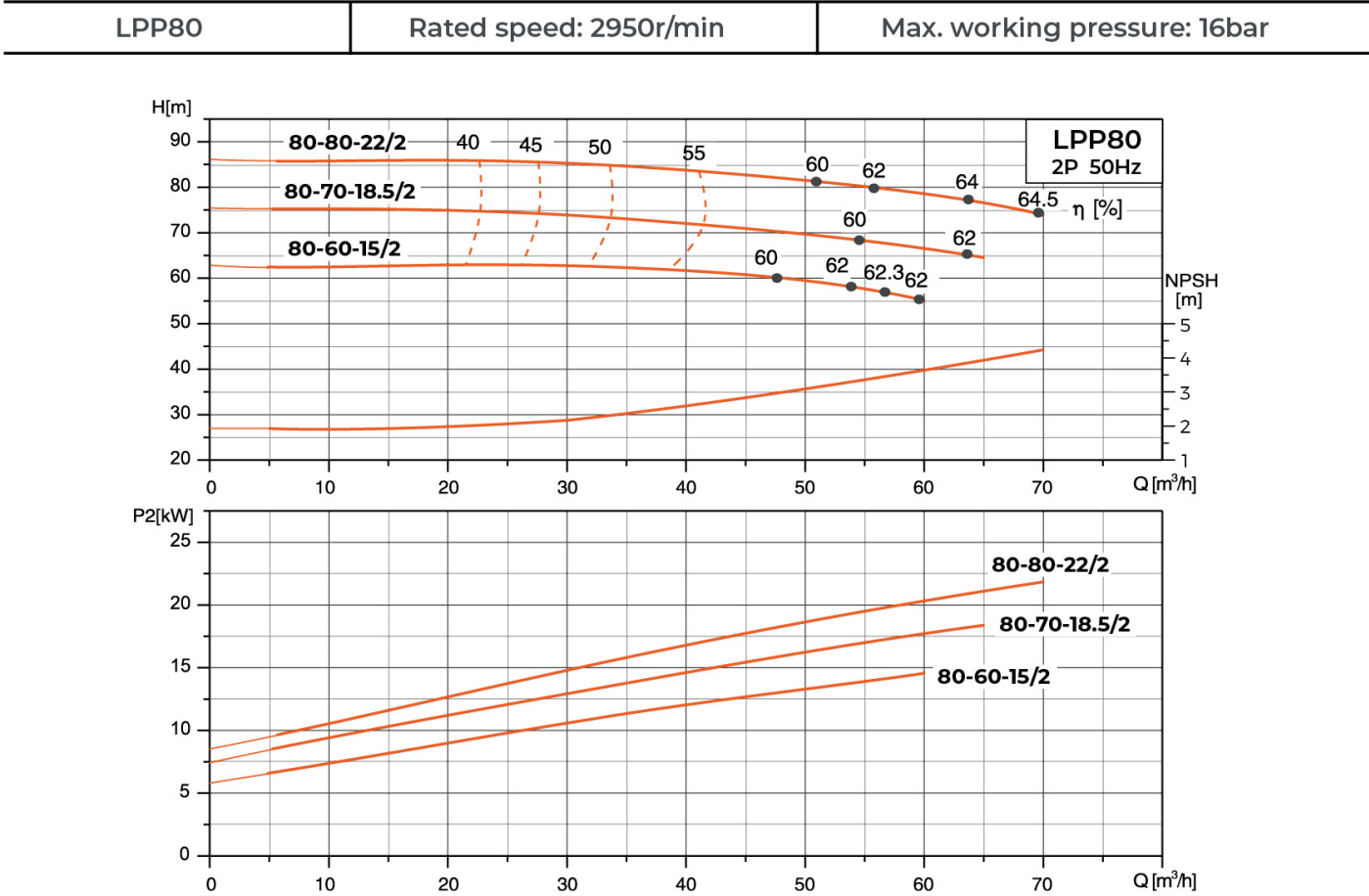
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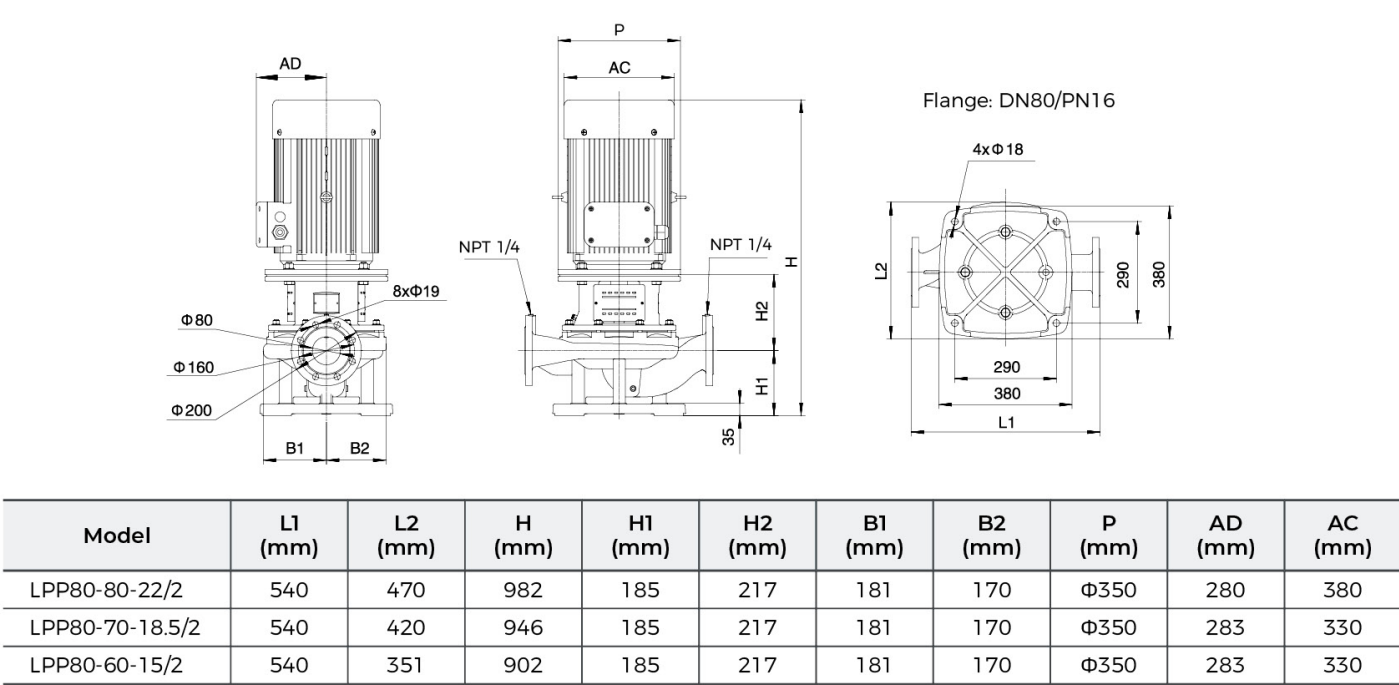
Dimension



Hydraulic Performance Curves

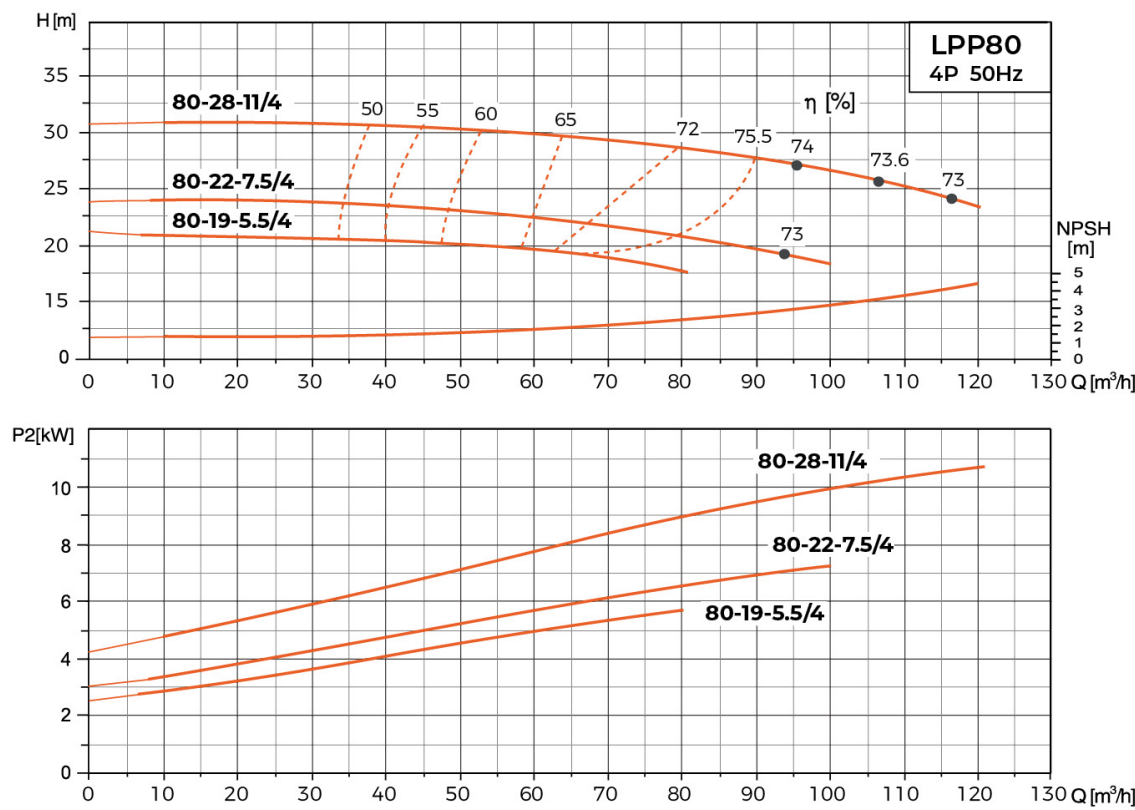


Dimension

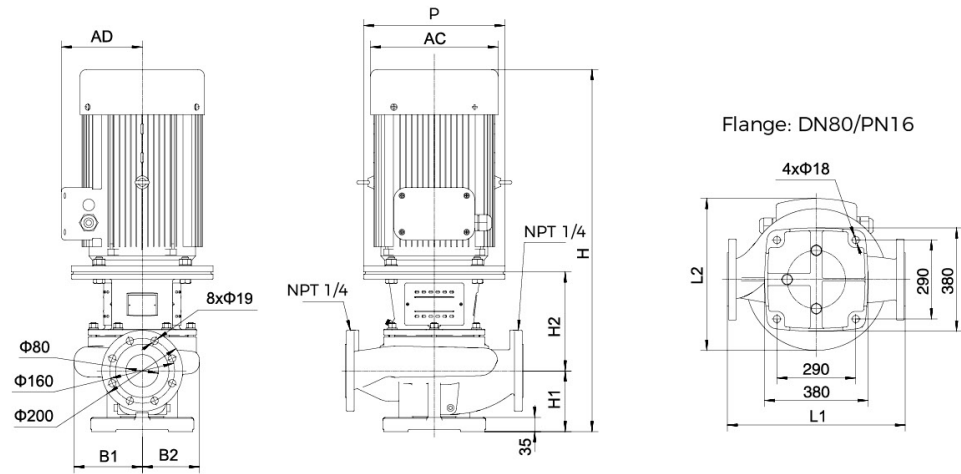


Hydraulic Performance Curves

LPP80	Rated speed: 1480r/min	Max. working pressure: 16bar
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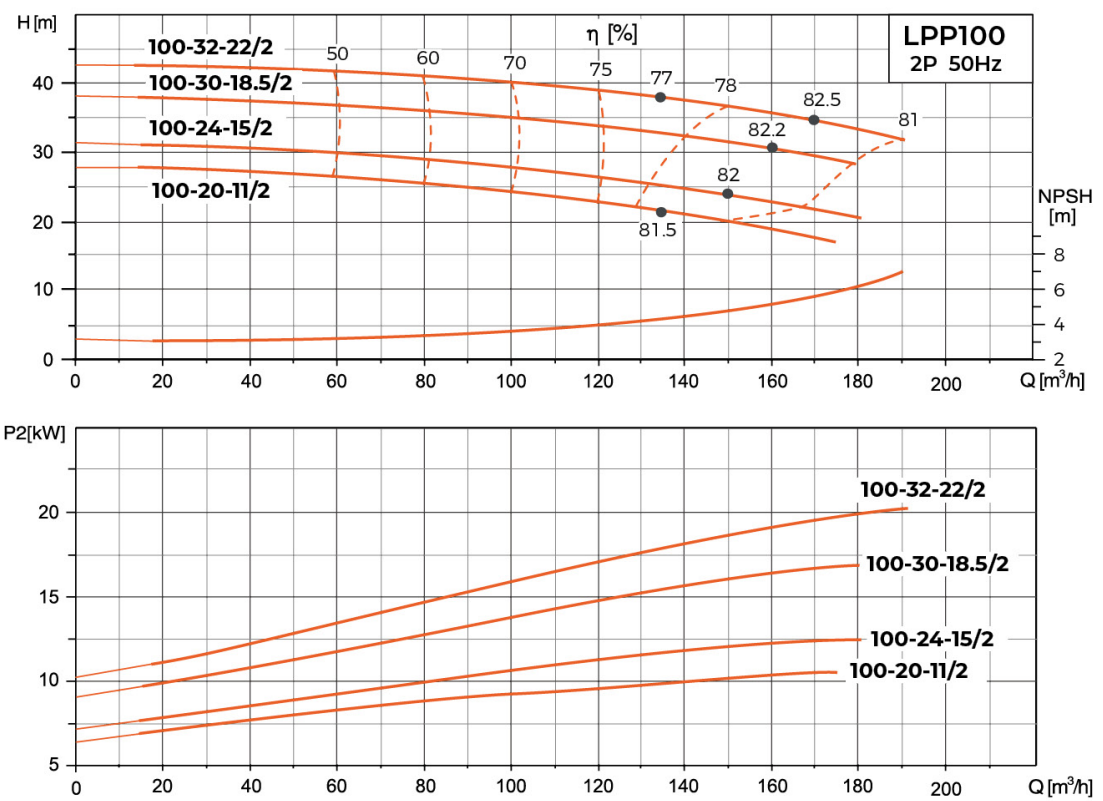
Dimension



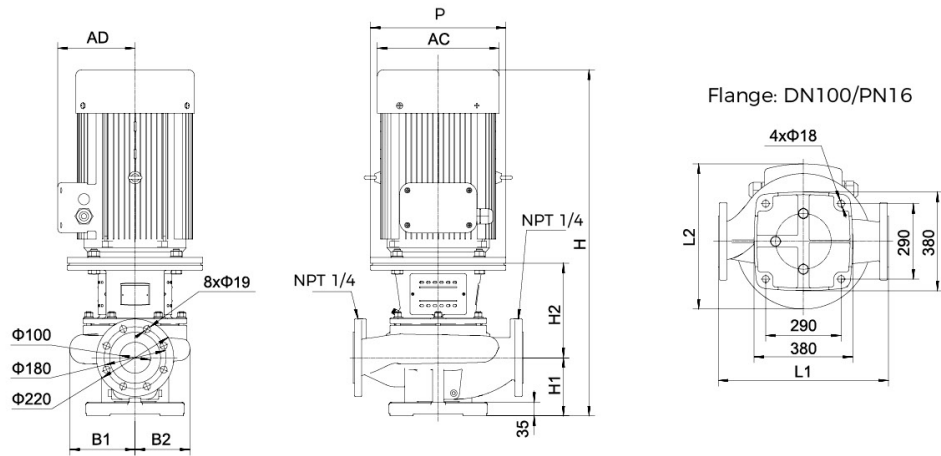
Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP80-28-11/4	620	442	937	175	262	224	218	Φ350	283	330
LPP80-22-7.5/4	620	442	906	175	232	224	218	Φ300	175	254
LPP80-19-5.5/4	620	442	906	175	232	224	218	Φ300	175	254

Hydraulic Performance Curves

LPP100	Rated speed: 2950r/min	Max. working pressure: 10bar(Optional 16bar)
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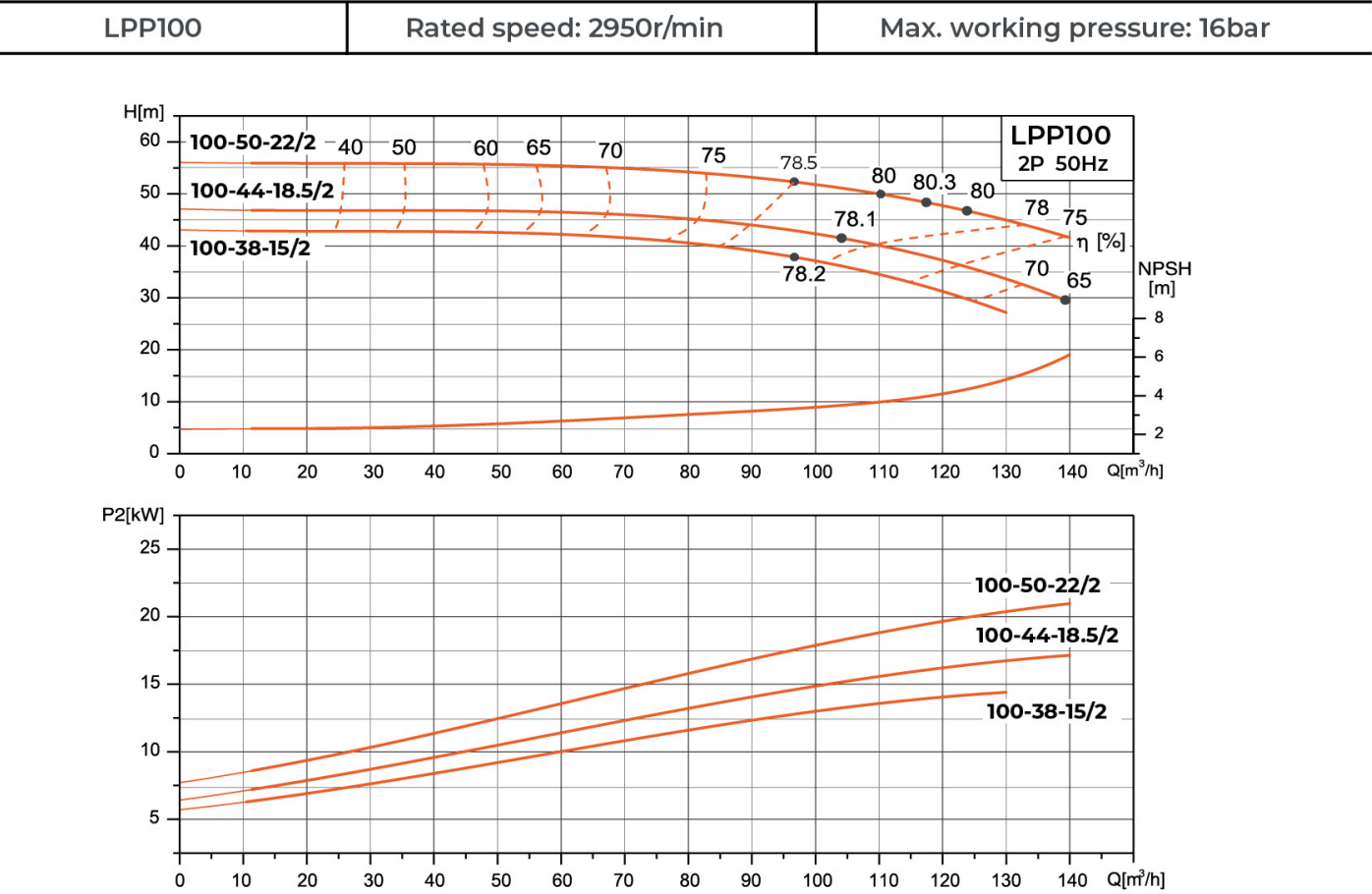


Dimension

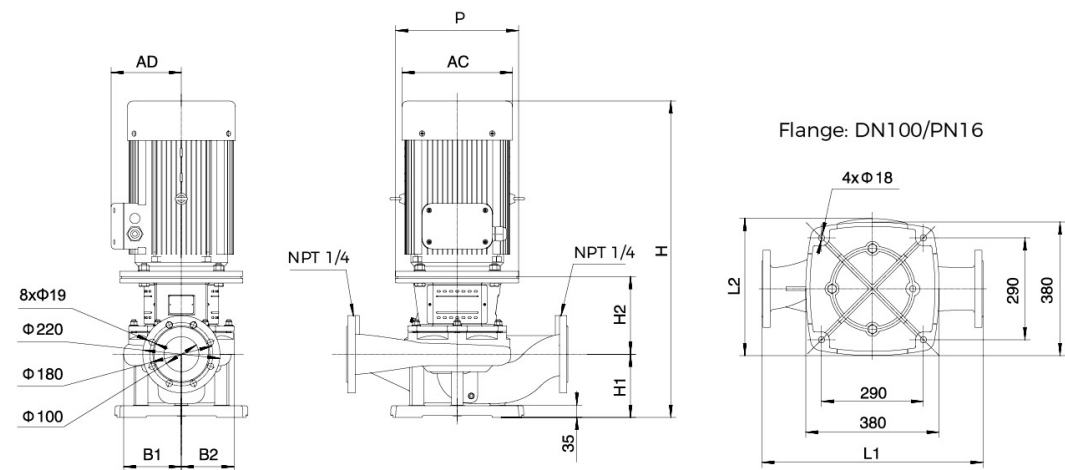


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP100-32-22/2	500	470	1027	175	272	183	144	Φ350	280	380
LPP100-30-18.5/2	500	415	991	175	272	183	144	Φ350	283	330
LPP100-24-15/2	500	327	947	175	272	183	144	Φ350	283	330
LPP100-20-11/2	500	327	947	175	272	183	144	Φ350	283	330

Hydraulic Performance Curves

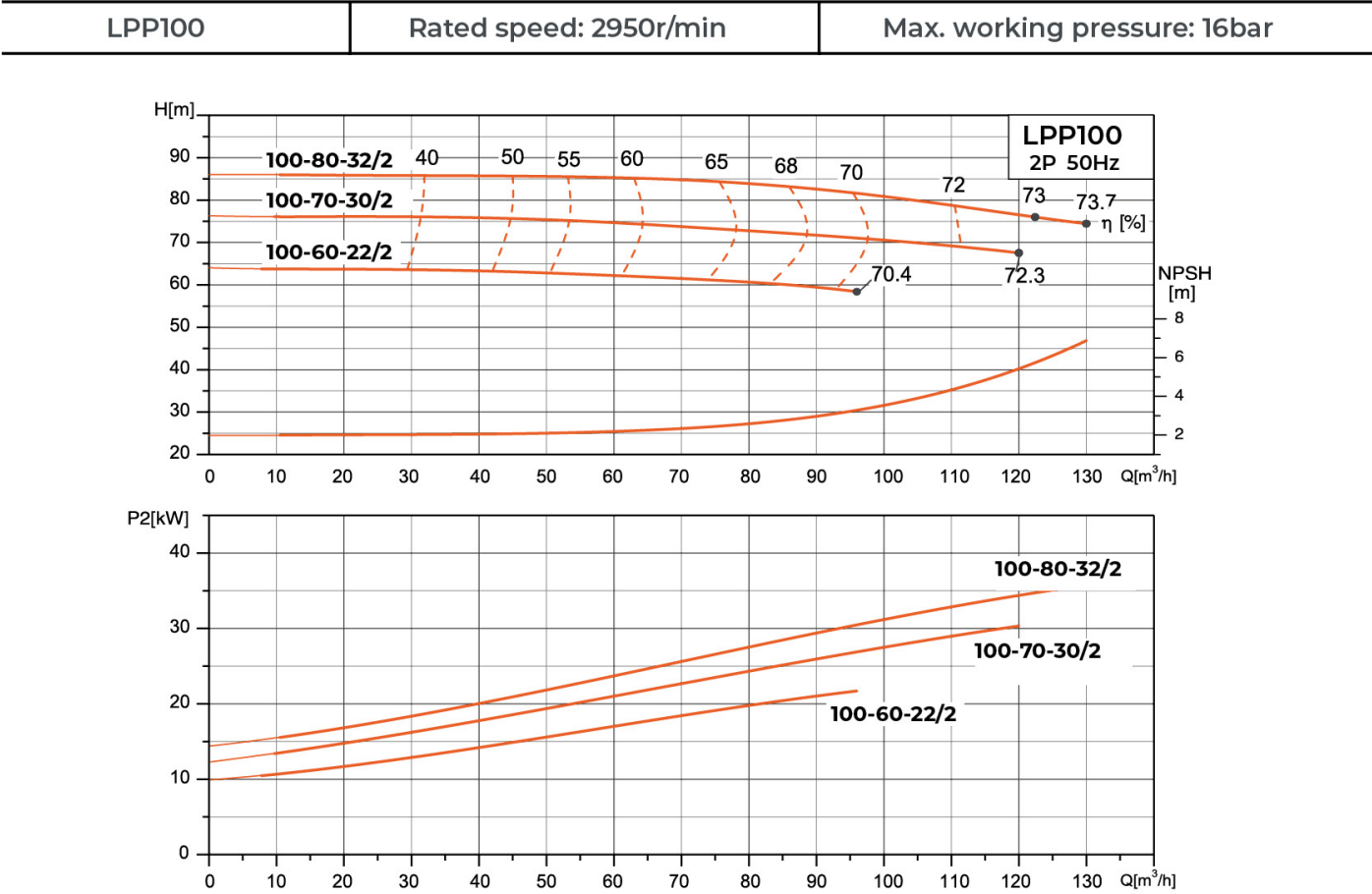


Dimension

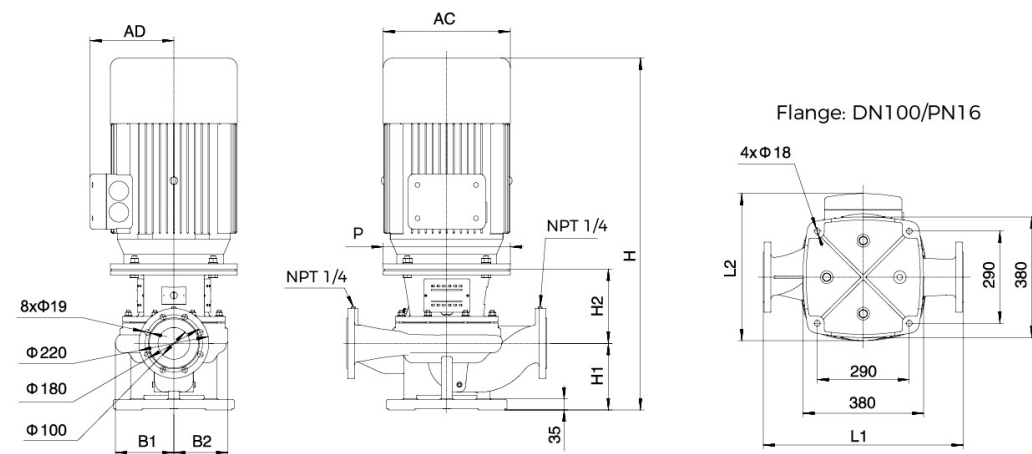


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP100-50-22/2	630	470	981	180	221	165	150	Φ350	280	380
LPP100-44-18.5/2	630	415	945	180	221	165	150	Φ350	283	330
LPP100-38-15/2	630	325	901	180	221	165	150	Φ350	283	330

Hydraulic Performance Curves



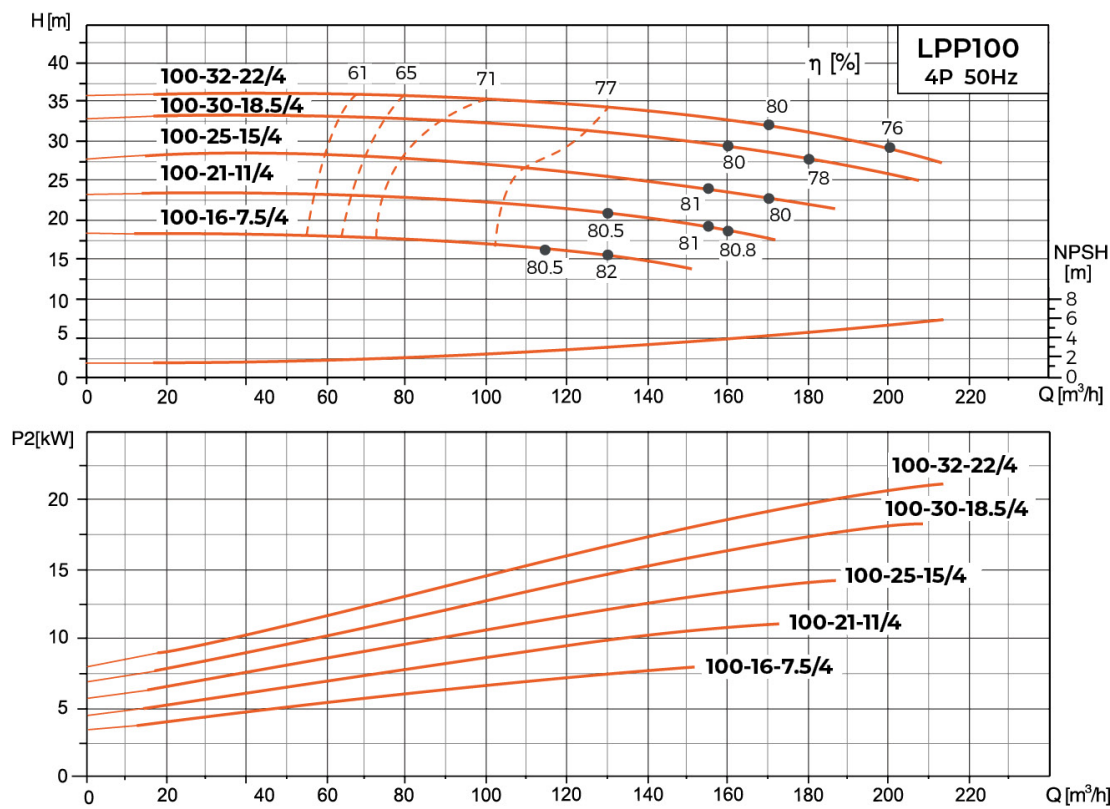
Dimension



Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP100-80-37/2	630	515	1106	210	234	184	170	Φ400	305	420
LPP100-70-30/2	630	515	1106	210	234	184	170	Φ400	305	420
LPP100-60-22/2	630	470	1017	210	227	184	170	Φ350	280	380

Hydraulic Performance Curves

Table with 3 columns: LPP100, Rated speed: 1480r/min, Max. working pressure: 10bar(Optional 16bar)



Dimension

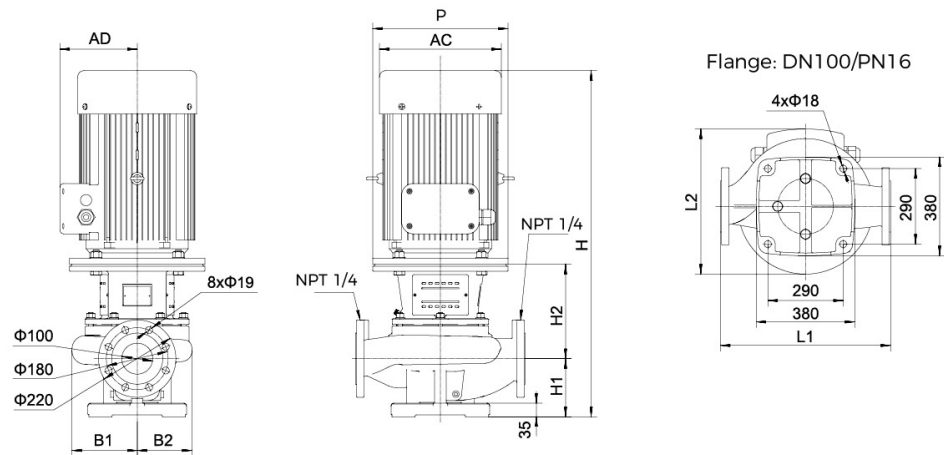
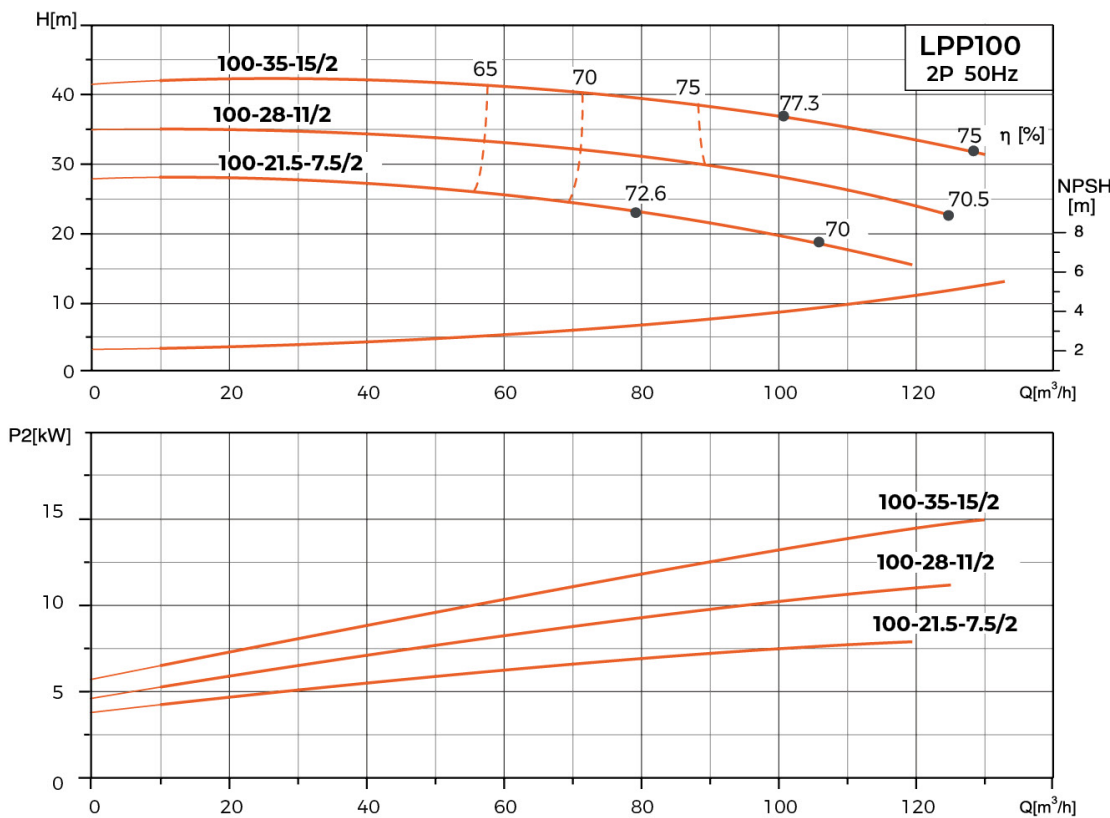


Table with 11 columns: Model, L1 (mm), L2 (mm), H (mm), H1 (mm), H2 (mm), B1 (mm), B2 (mm), P (mm), AD (mm), AC (mm). Rows include models 100-32-22/4, 100-30-18.5/4, 100-25-15/4, 100-21-11/4, and 100-16-7.5/4.

Hydraulic Performance Curves

Table with 3 columns: LPP100, Rated speed: 2950r/min, Max. working pressure: 16bar



Dimension

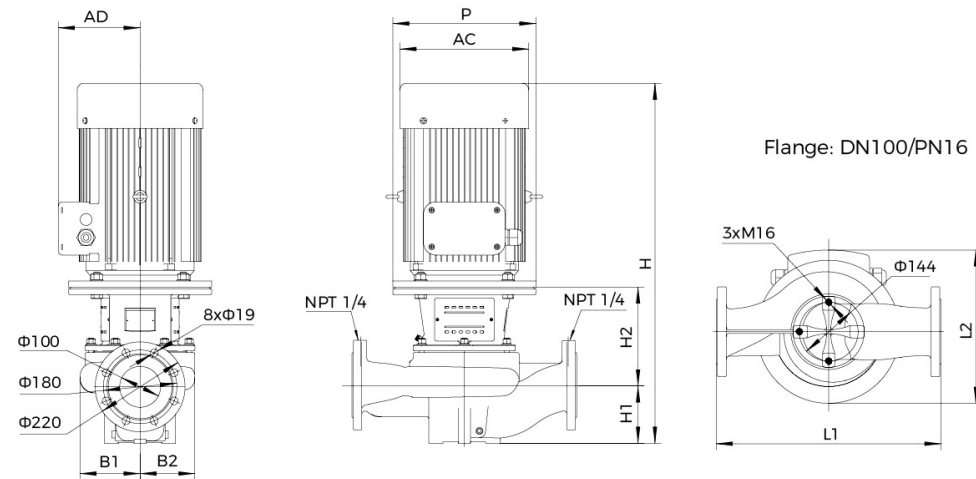
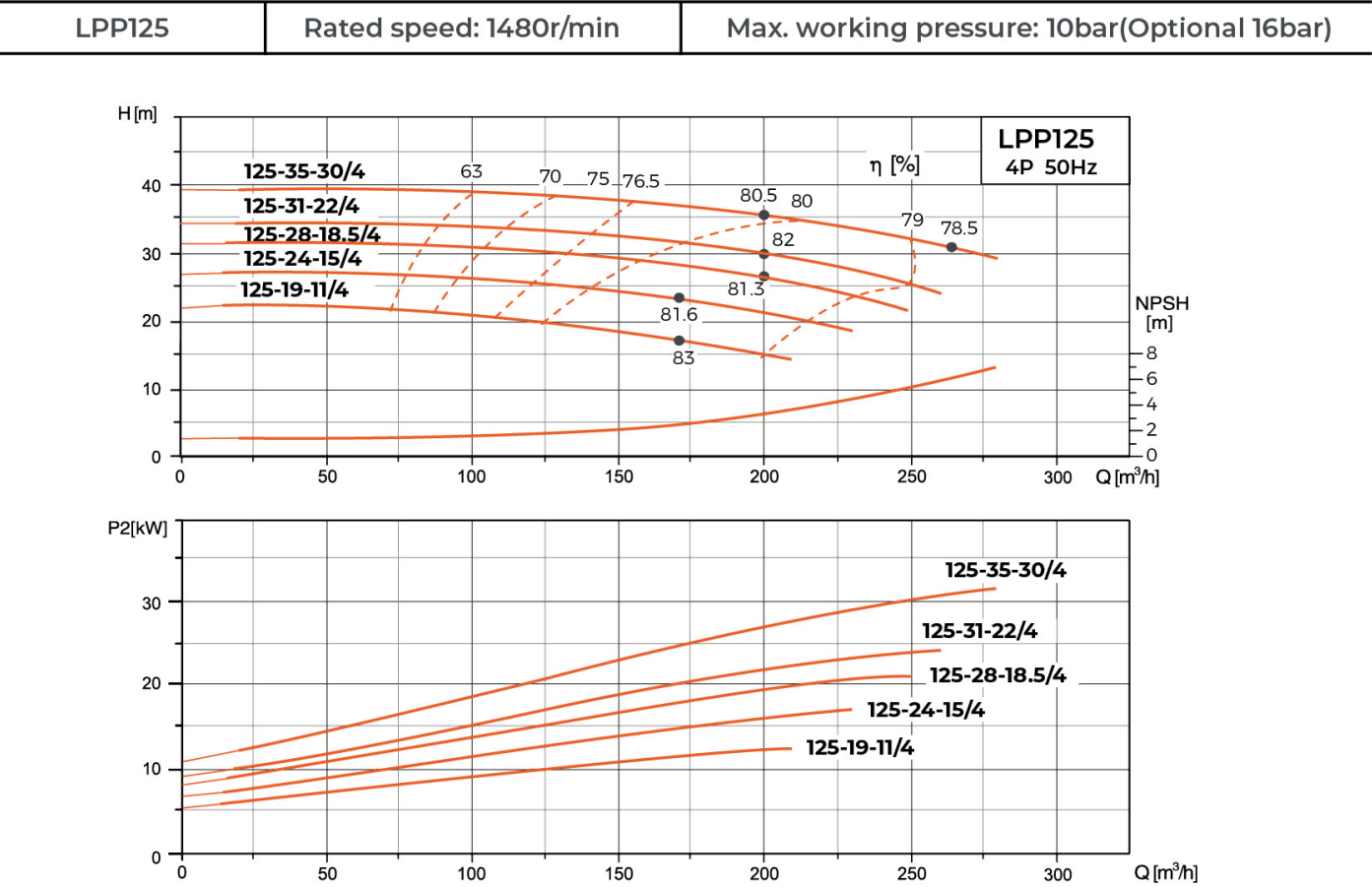
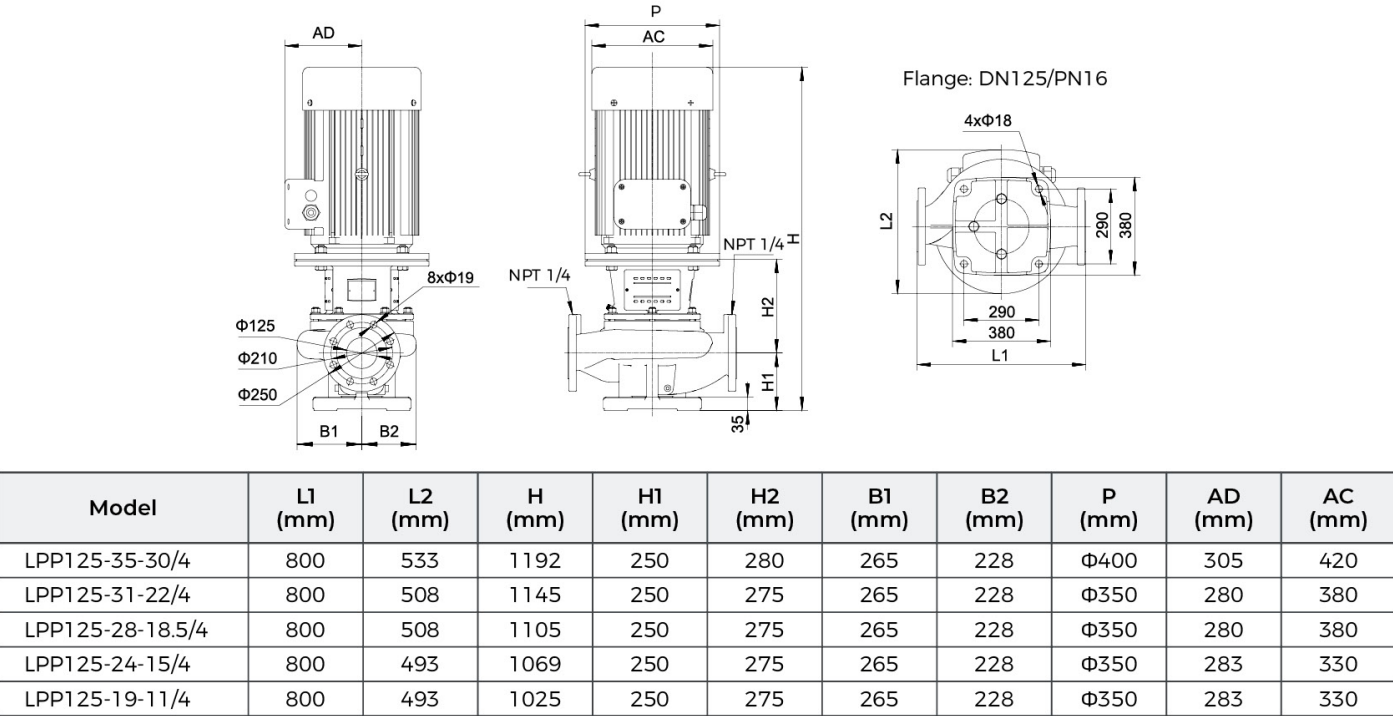


Table with 11 columns: Model, L1 (mm), L2 (mm), H (mm), H1 (mm), H2 (mm), B1 (mm), B2 (mm), P (mm), AD (mm), AC (mm). Rows include models 100-35-15/2, 100-28-11/2, and 100-21.5-7.5/2.

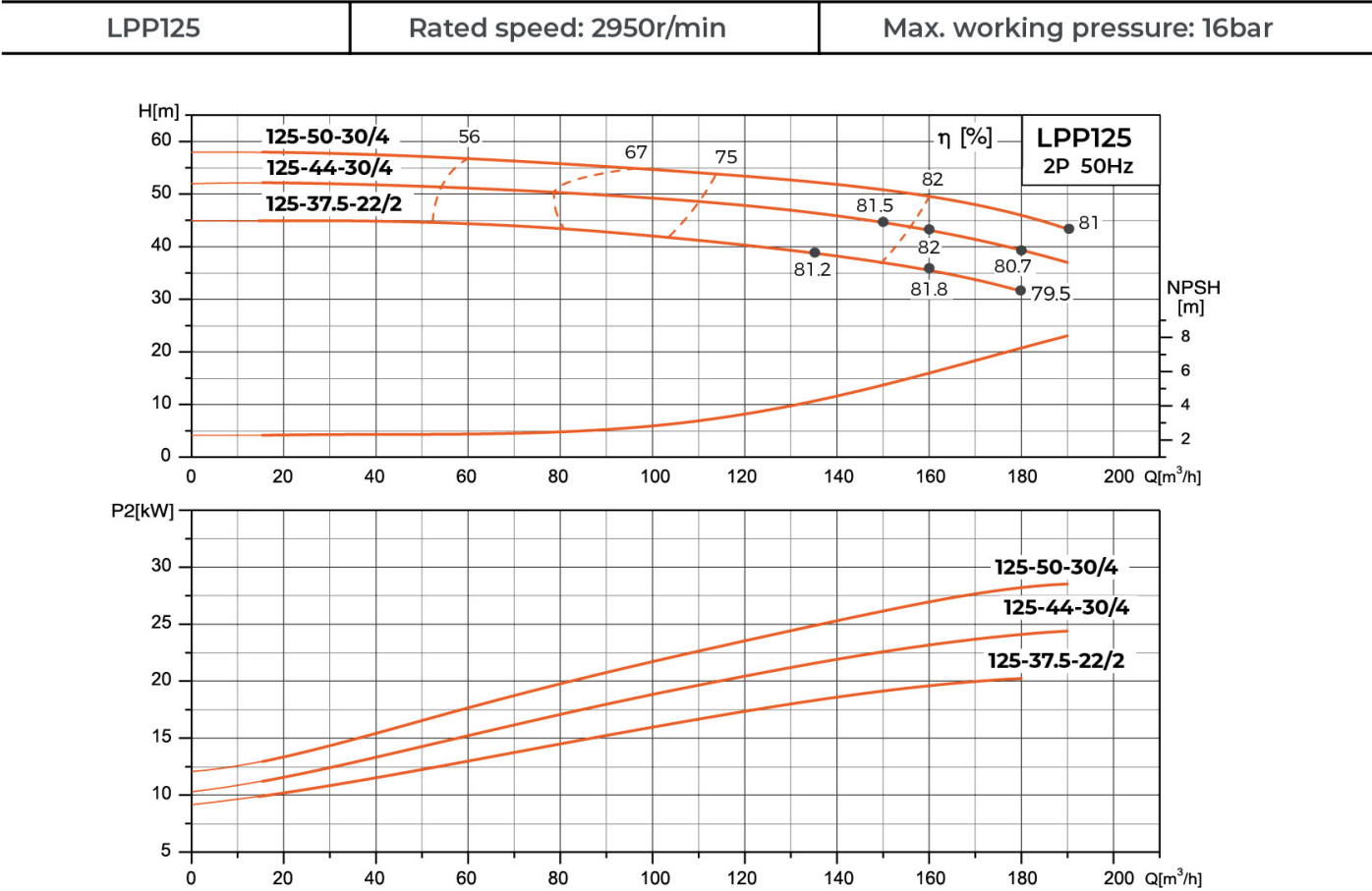
Hydraulic Performance Curves



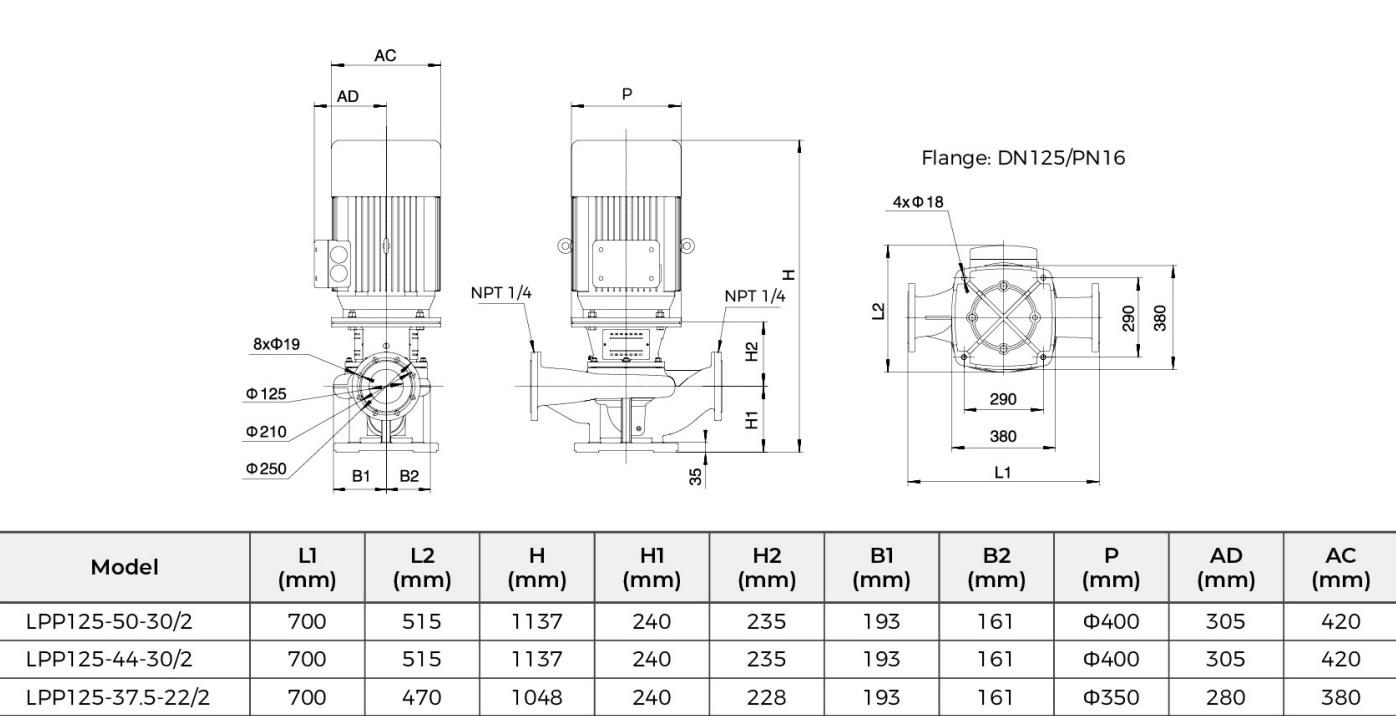
Dimension



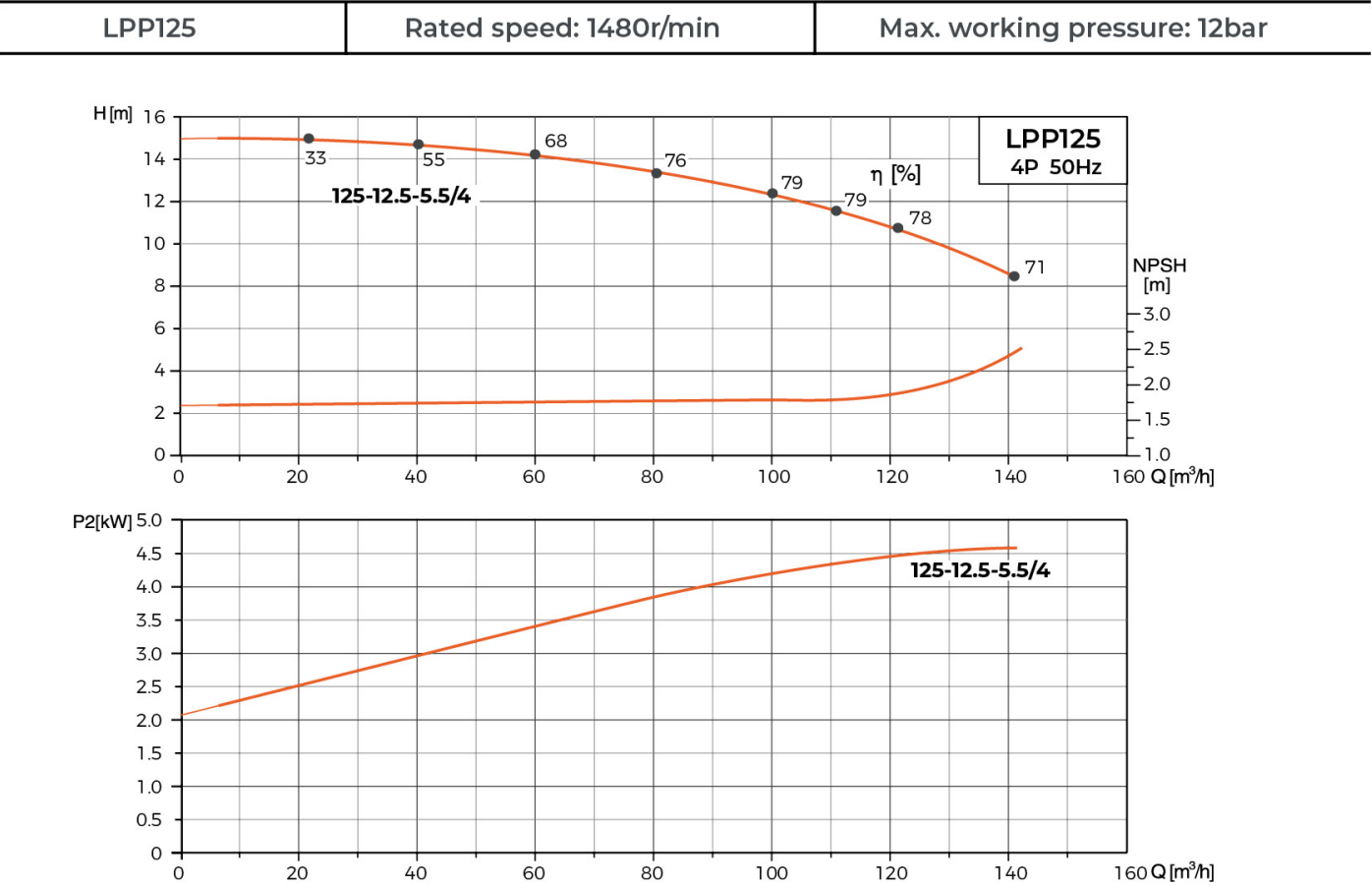
Hydraulic Performance Curves



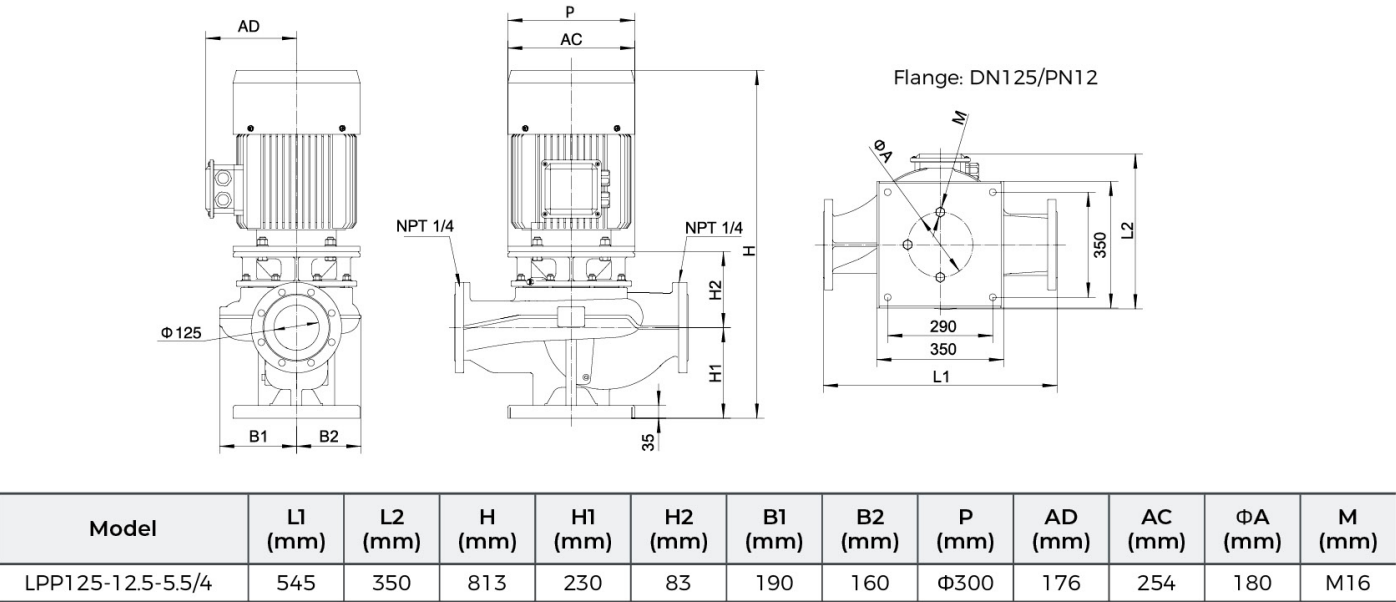
Dimension



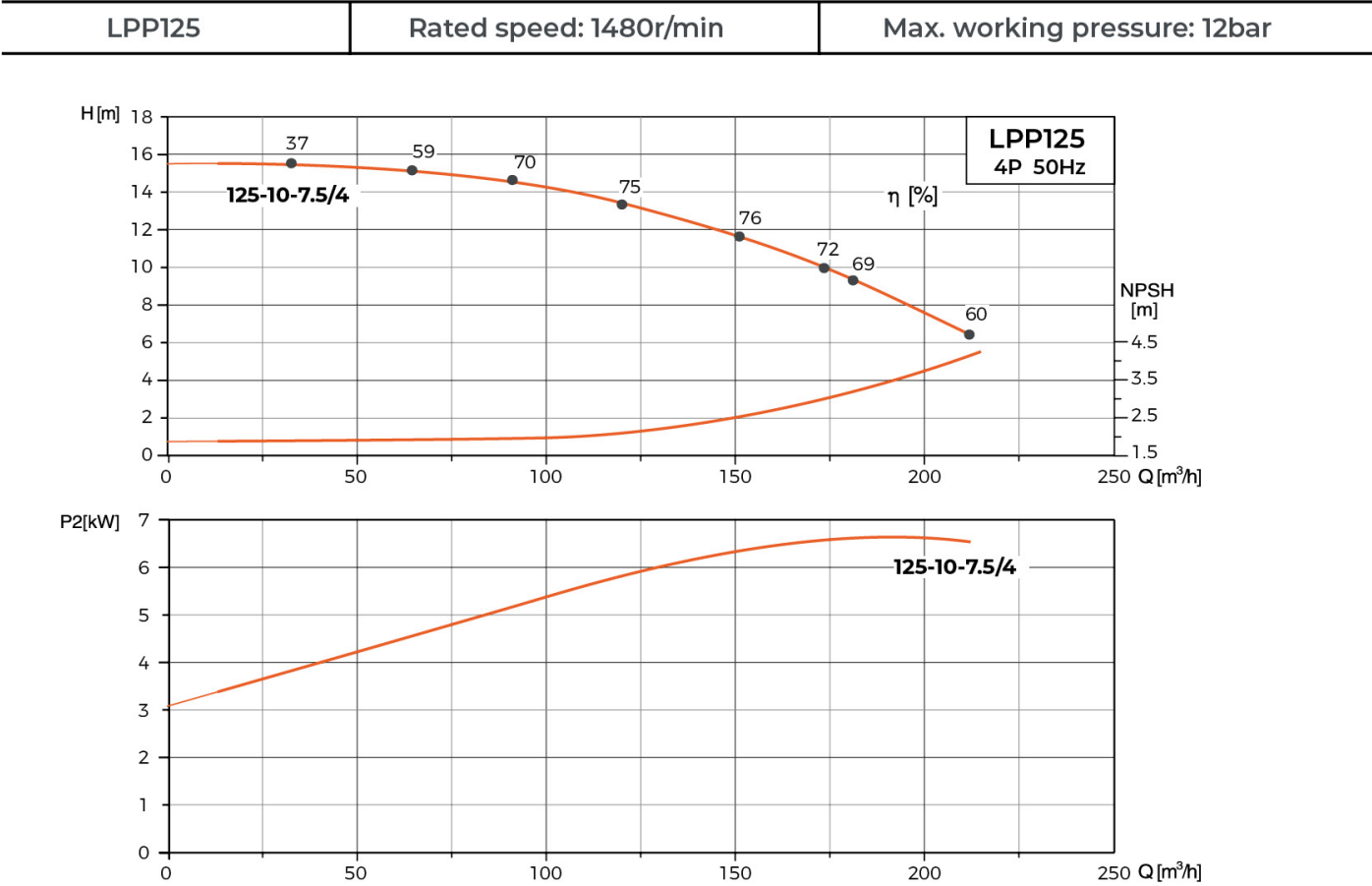
Hydraulic Performance Curves



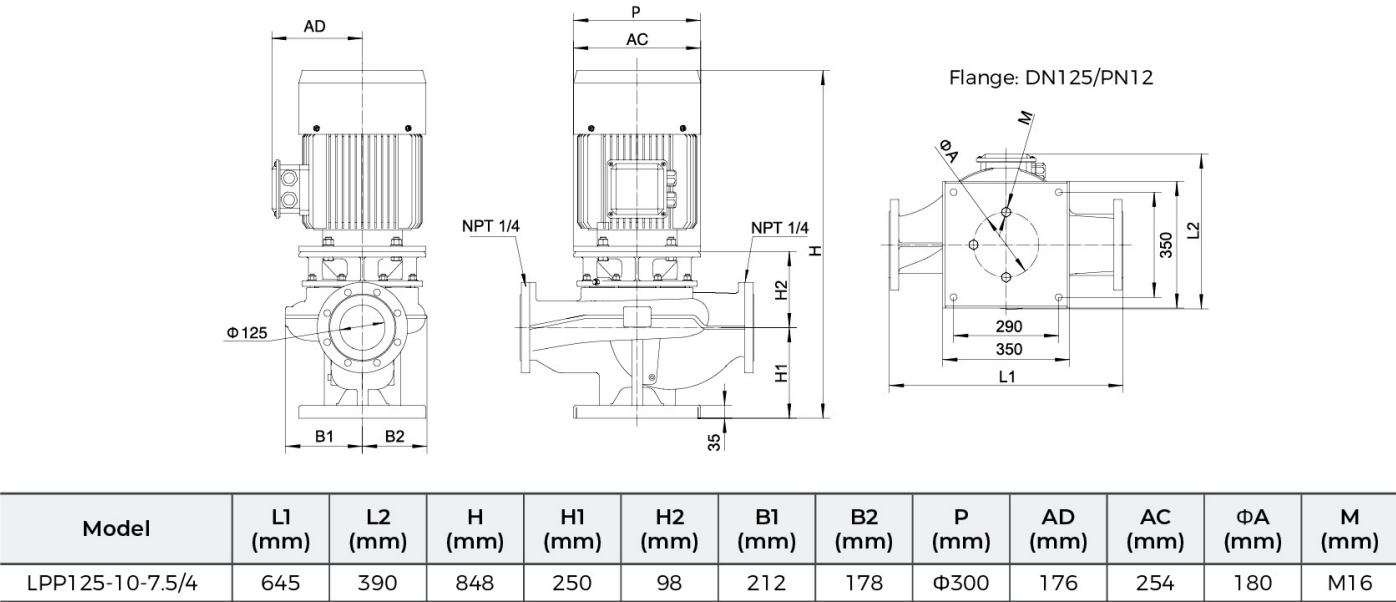
Dimension



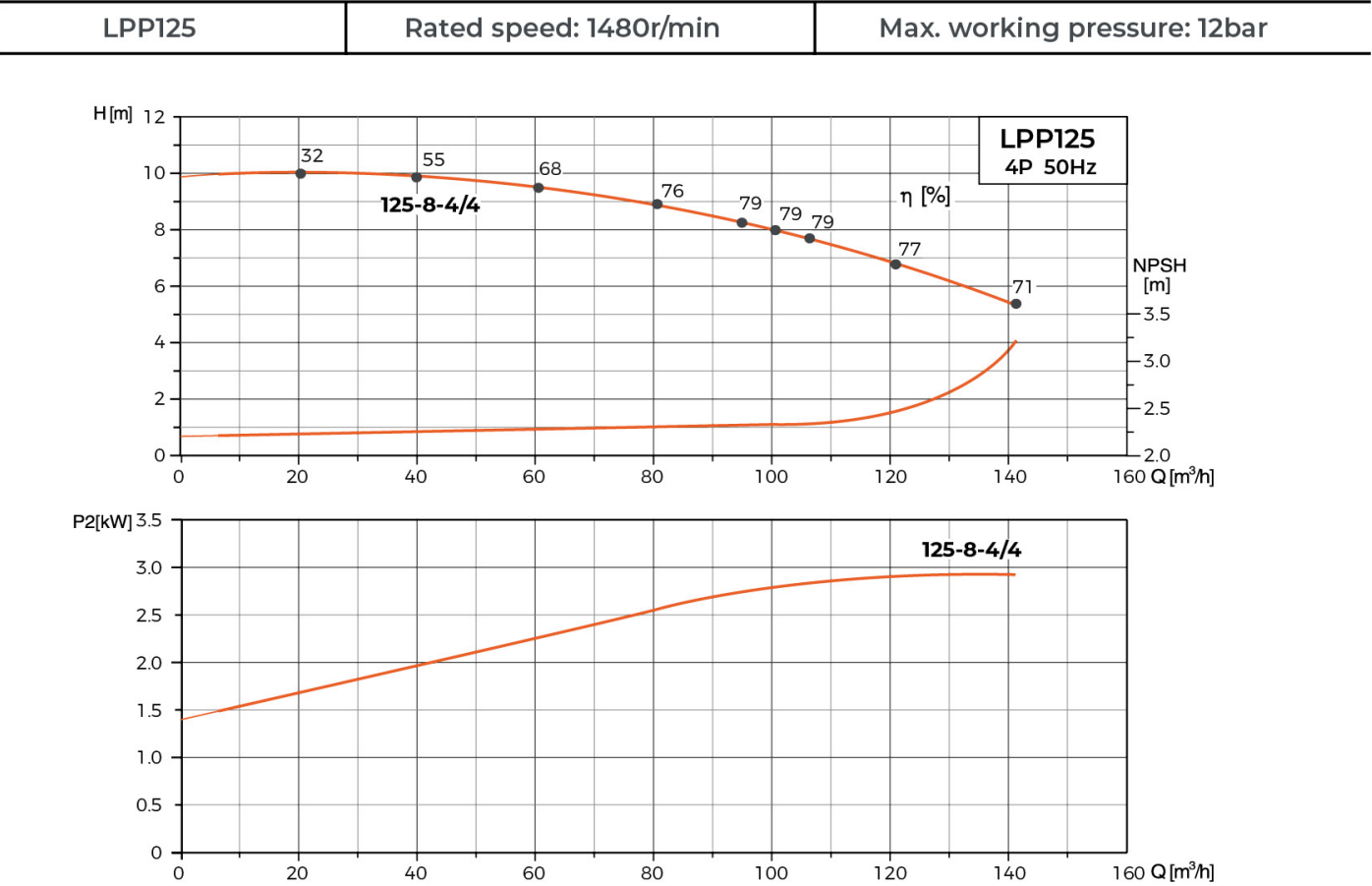
Hydraulic Performance Curves



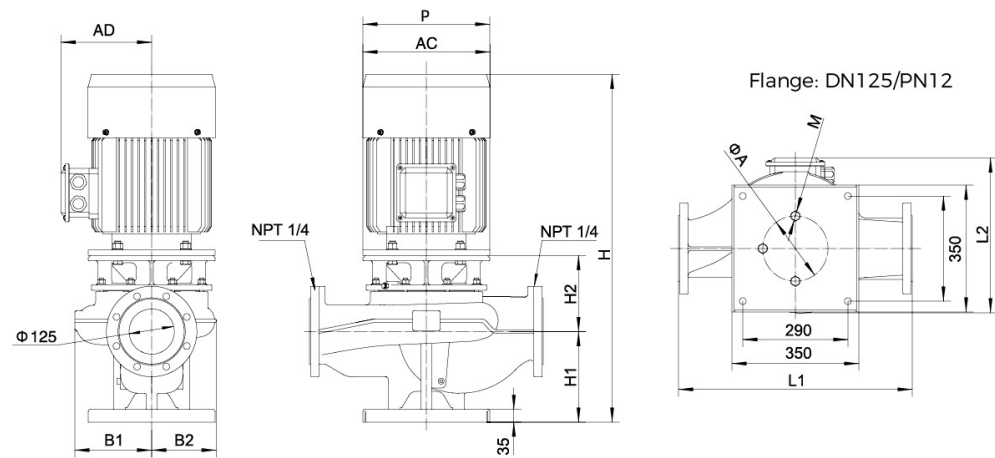
Dimension



Hydraulic Performance Curves

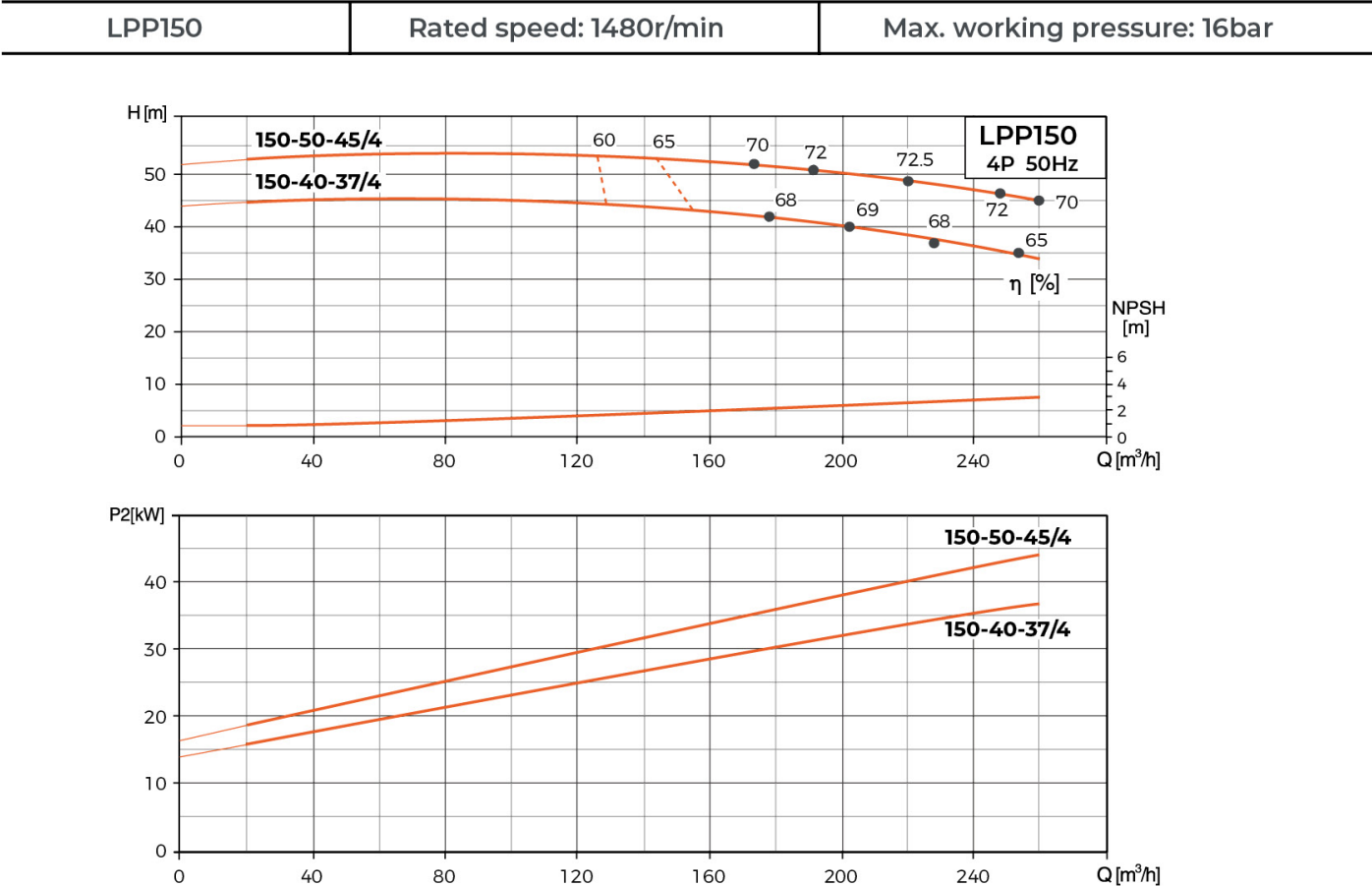


Dimension

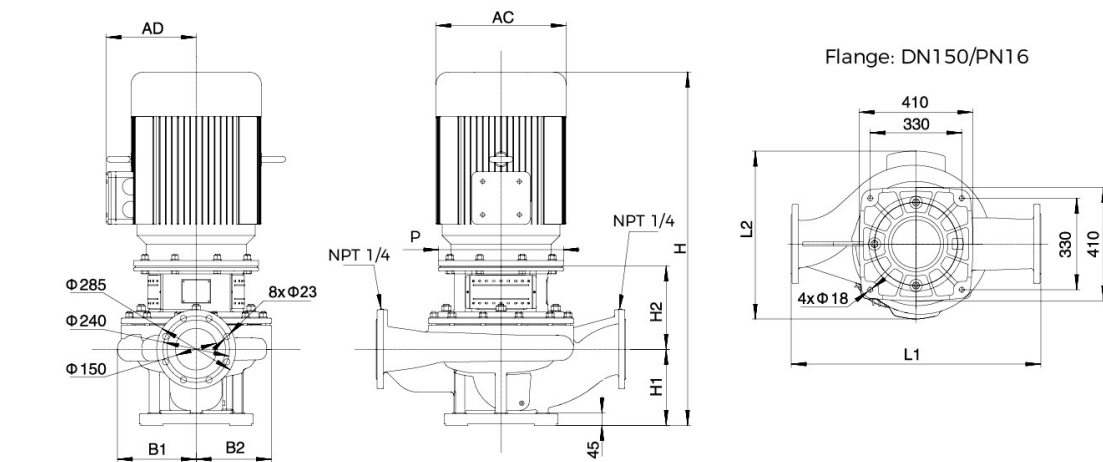


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)	ΦA (mm)	M (mm)
LPP125-8-4/4	485	335	723	240	83	190	145	Φ250	142	210	180	M16

Hydraulic Performance Curves

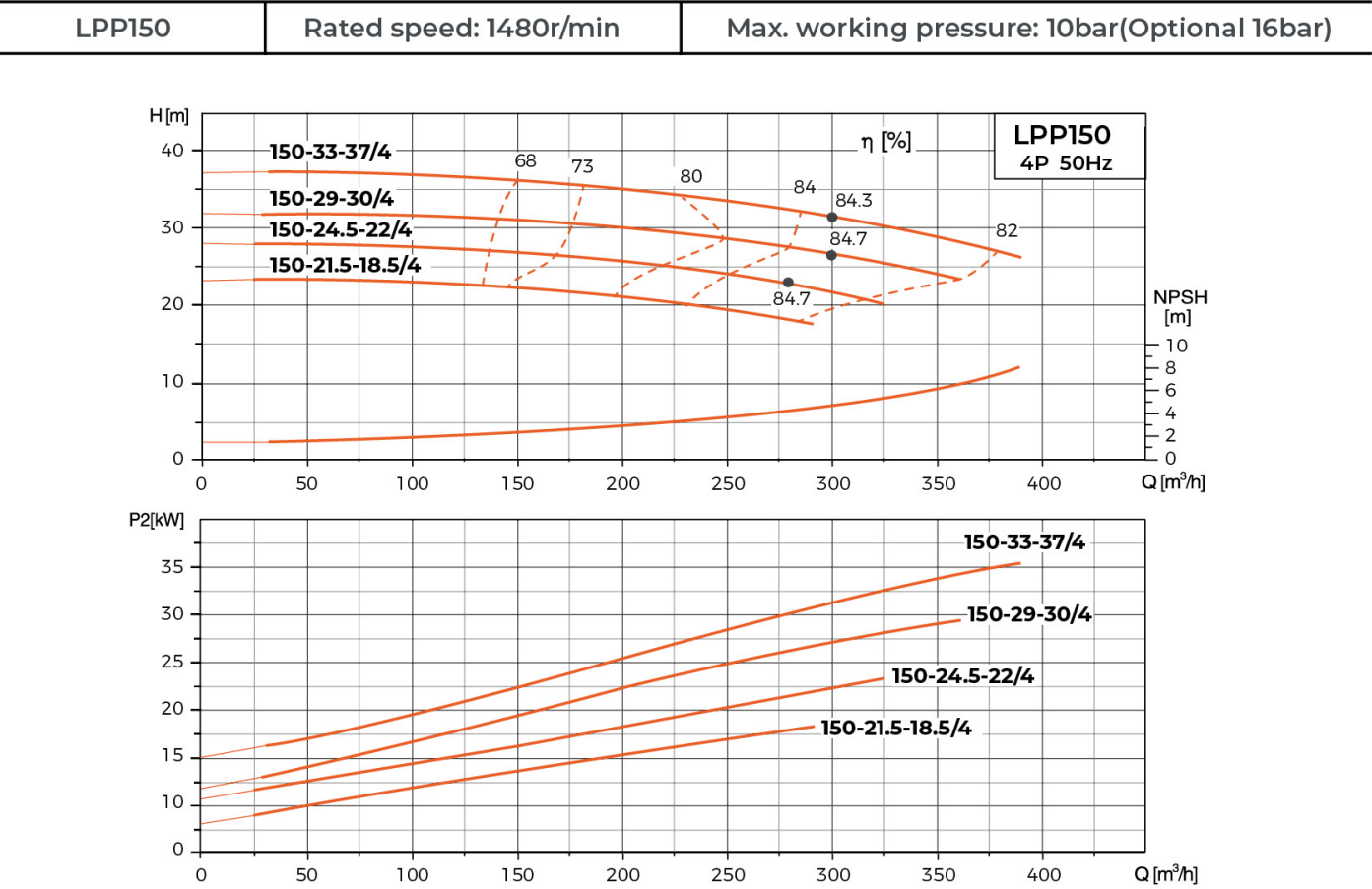


Dimension

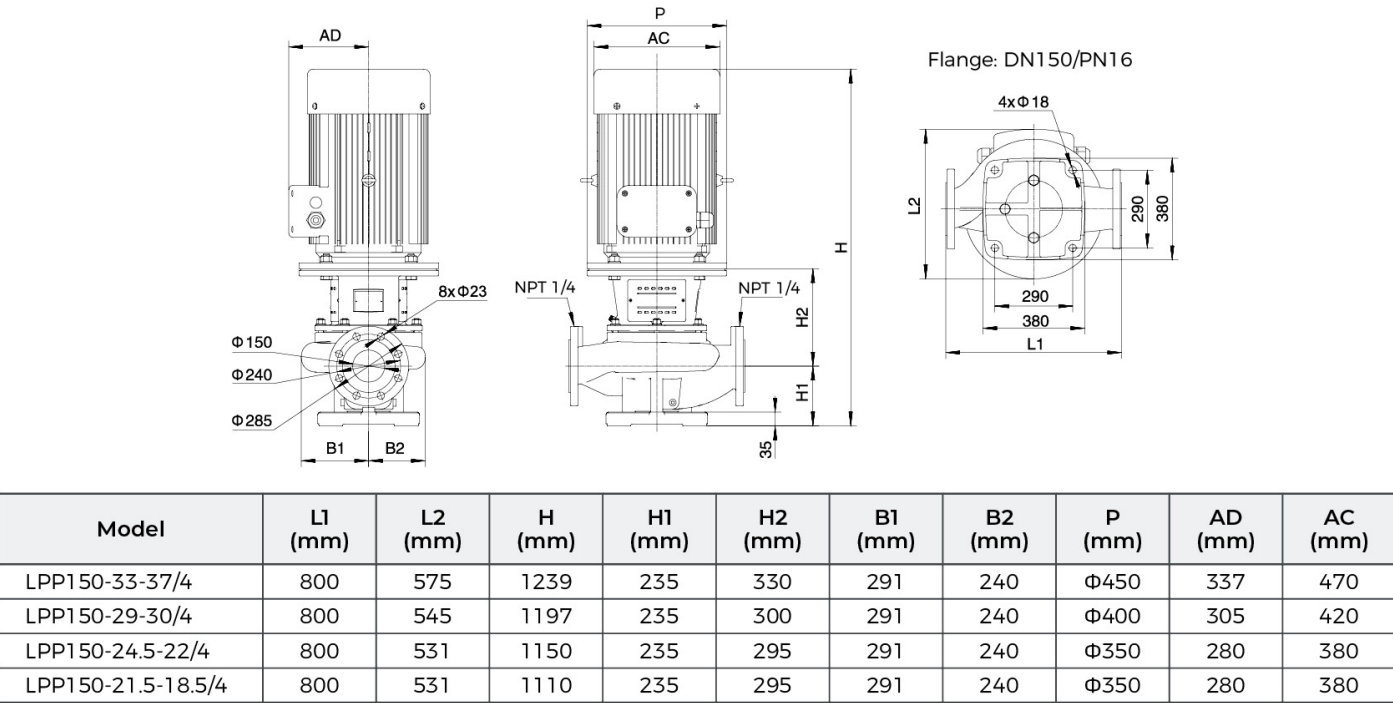


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP150-50-45/4	900	606	1274	275	300	335	271	Φ450	337	470
LPP150-40-37/4	900	606	1249	275	300	335	271	Φ450	337	470

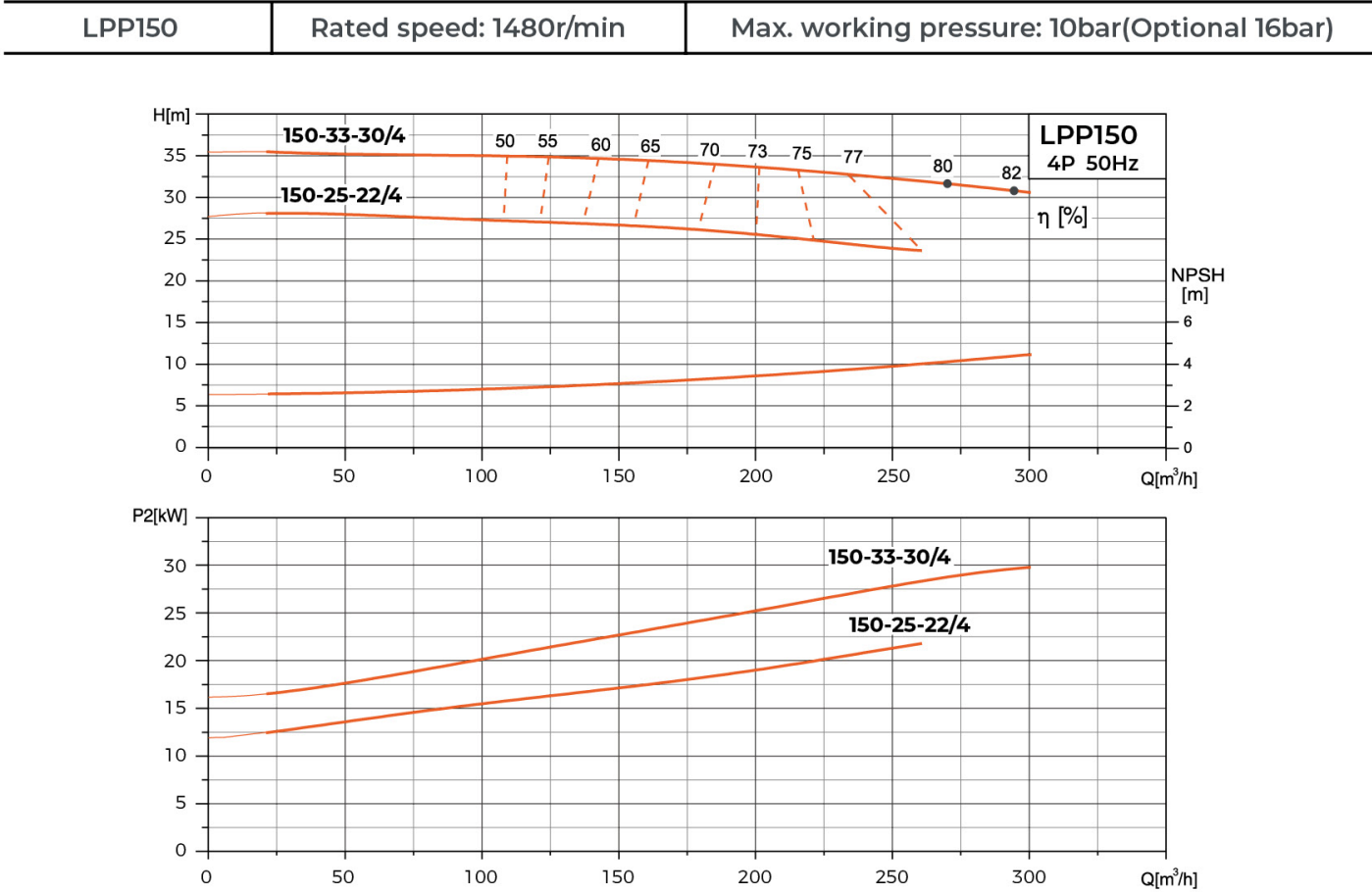
Hydraulic Performance Curves



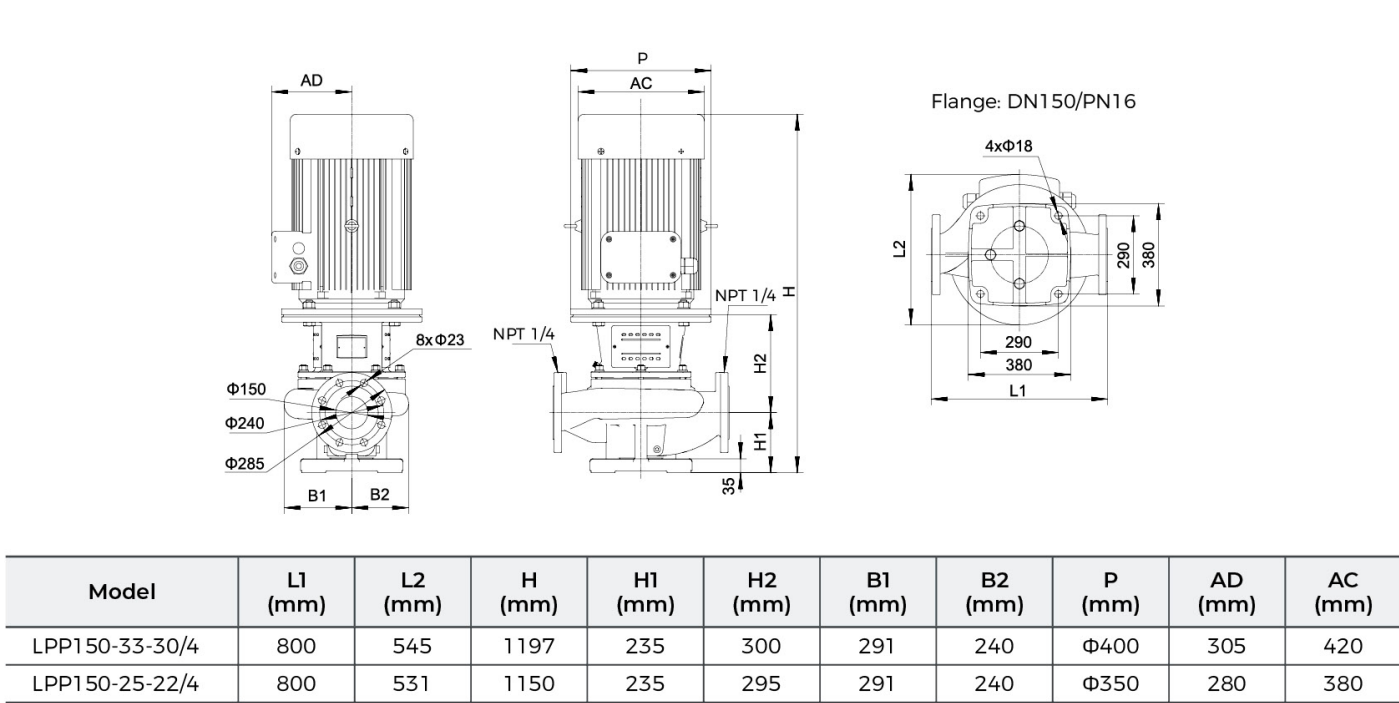
Dimension



Hydraulic Performance Curves

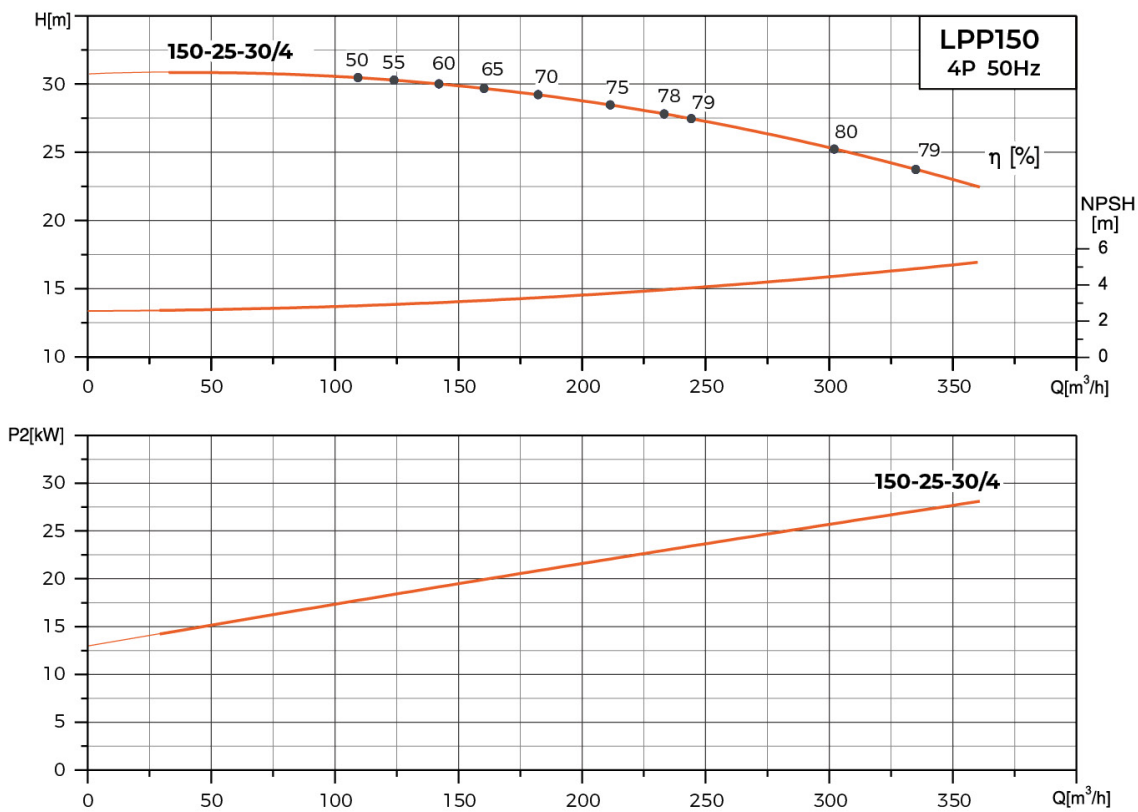


Dimension

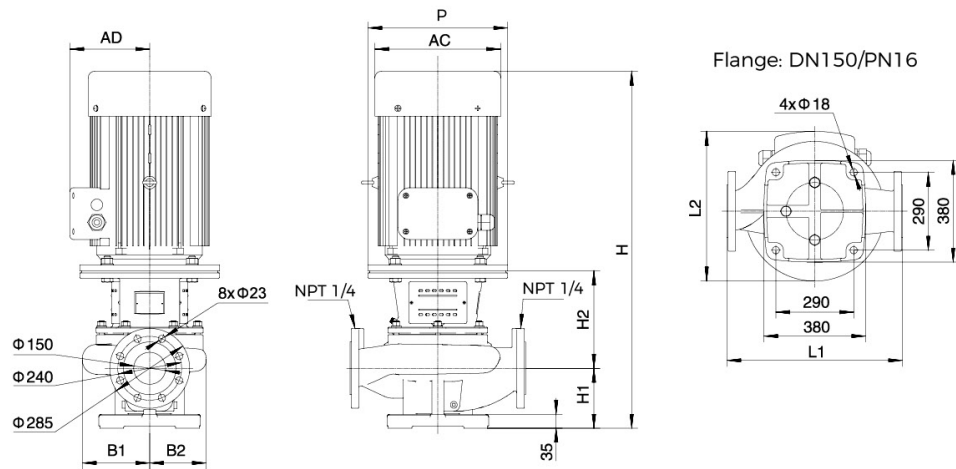


Hydraulic Performance Curves

LPP150	Rated speed: 1480r/min	Max. working pressure: 10bar(Optional 16bar)
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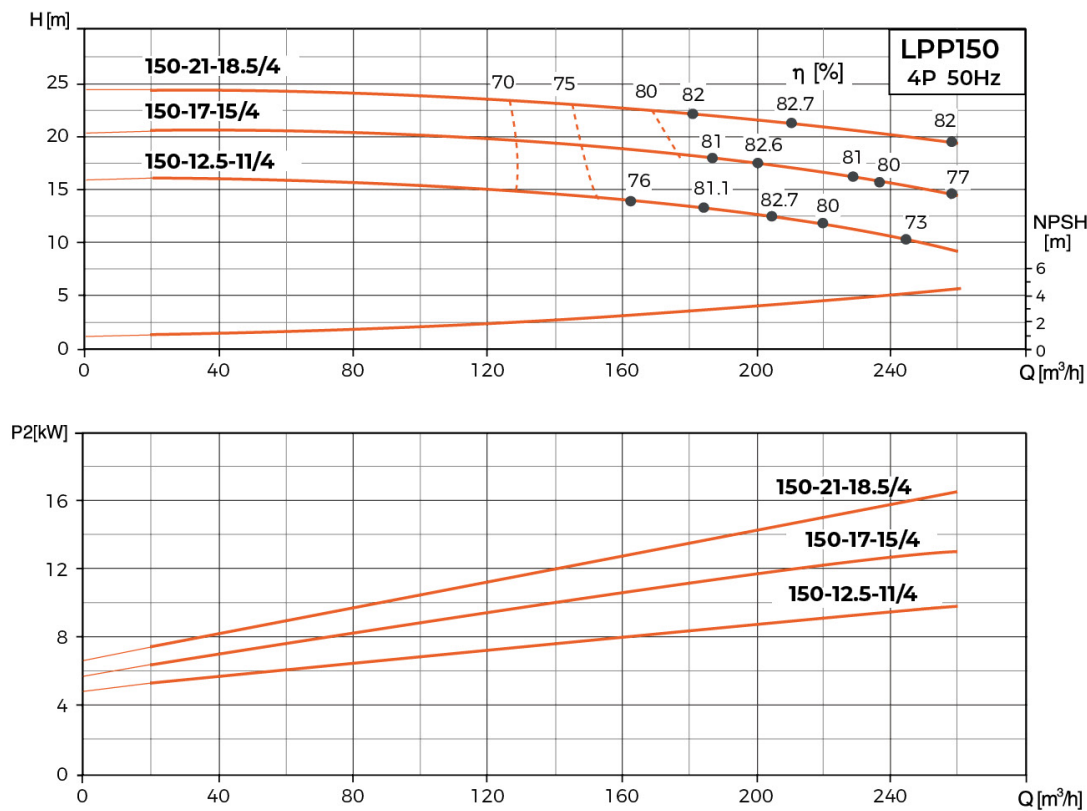
Dimension



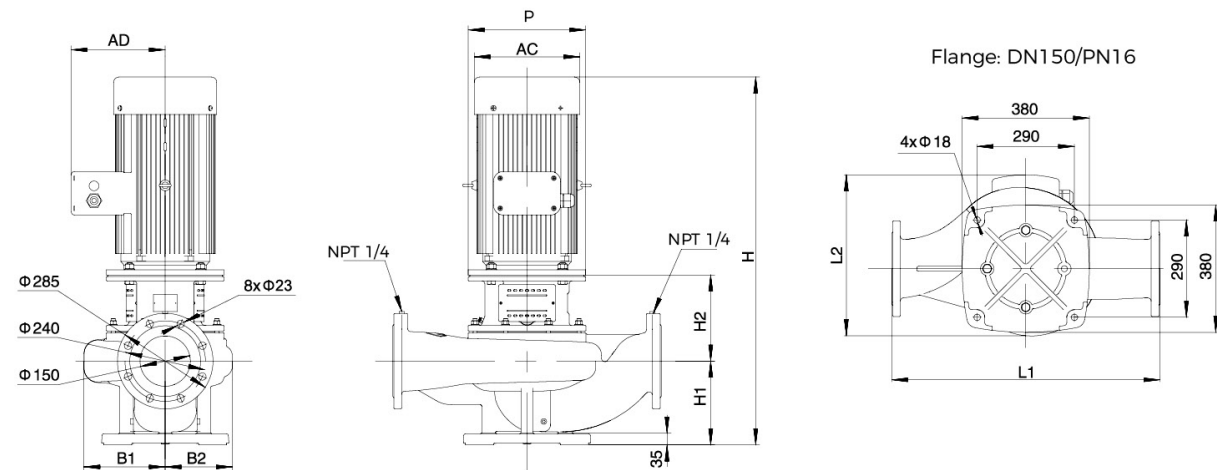
Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP150-25-30/4	800	545	1197	235	300	291	240	Φ400	305	420

Hydraulic Performance Curves

LPP150	Rated speed: 1480r/min	Max. working pressure: 16bar
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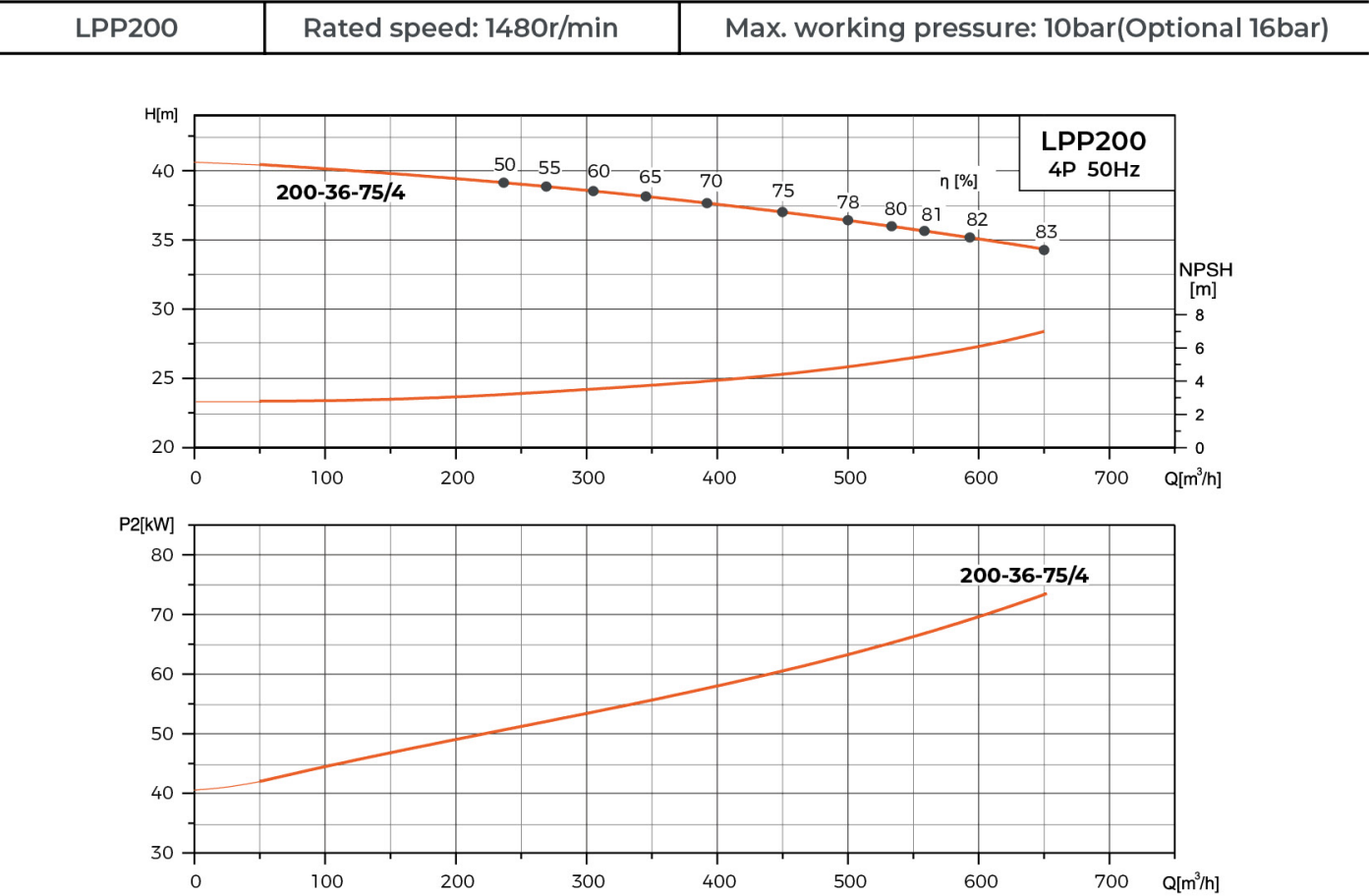


Dimension

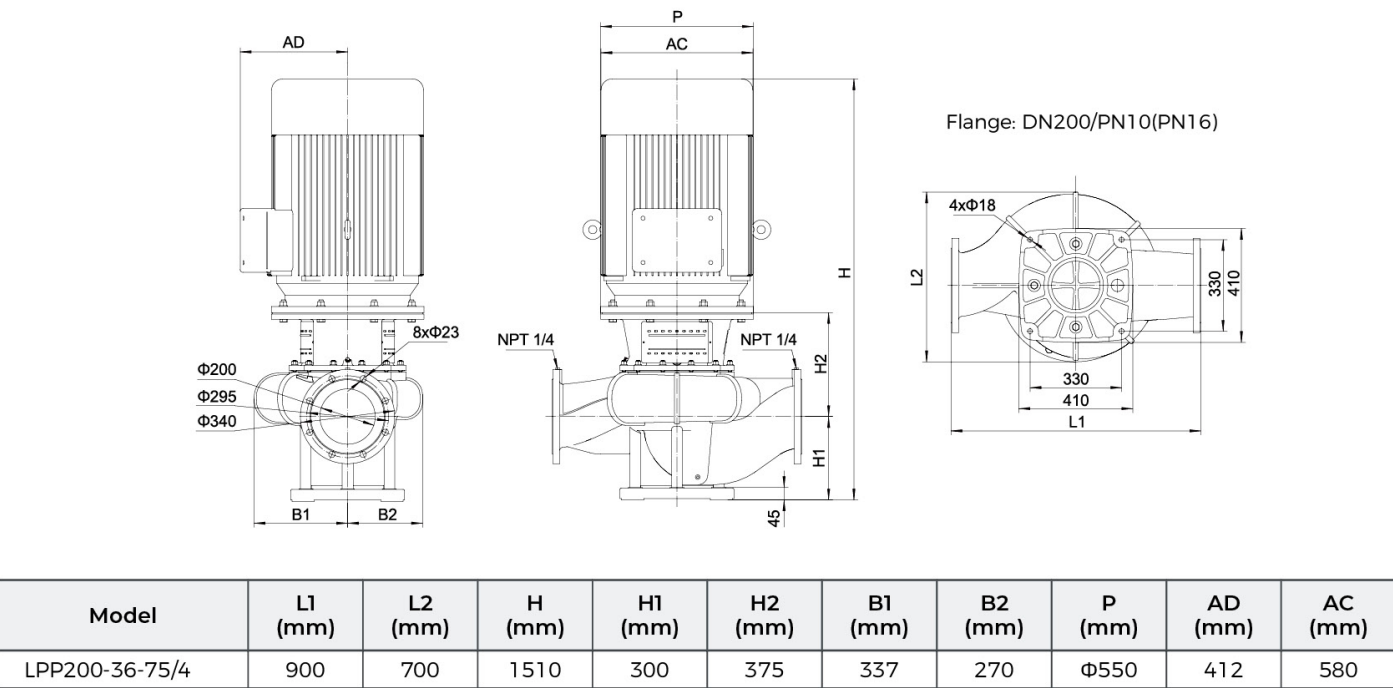


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP150-21-18.5/4	800	479	1087	250	257	241	199	Φ350	280	380
LPP150-17-15/4	800	449	1051	250	257	241	199	Φ350	283	330
LPP150-12.5-11/4	800	449	1007	250	257	241	199	Φ350	283	330

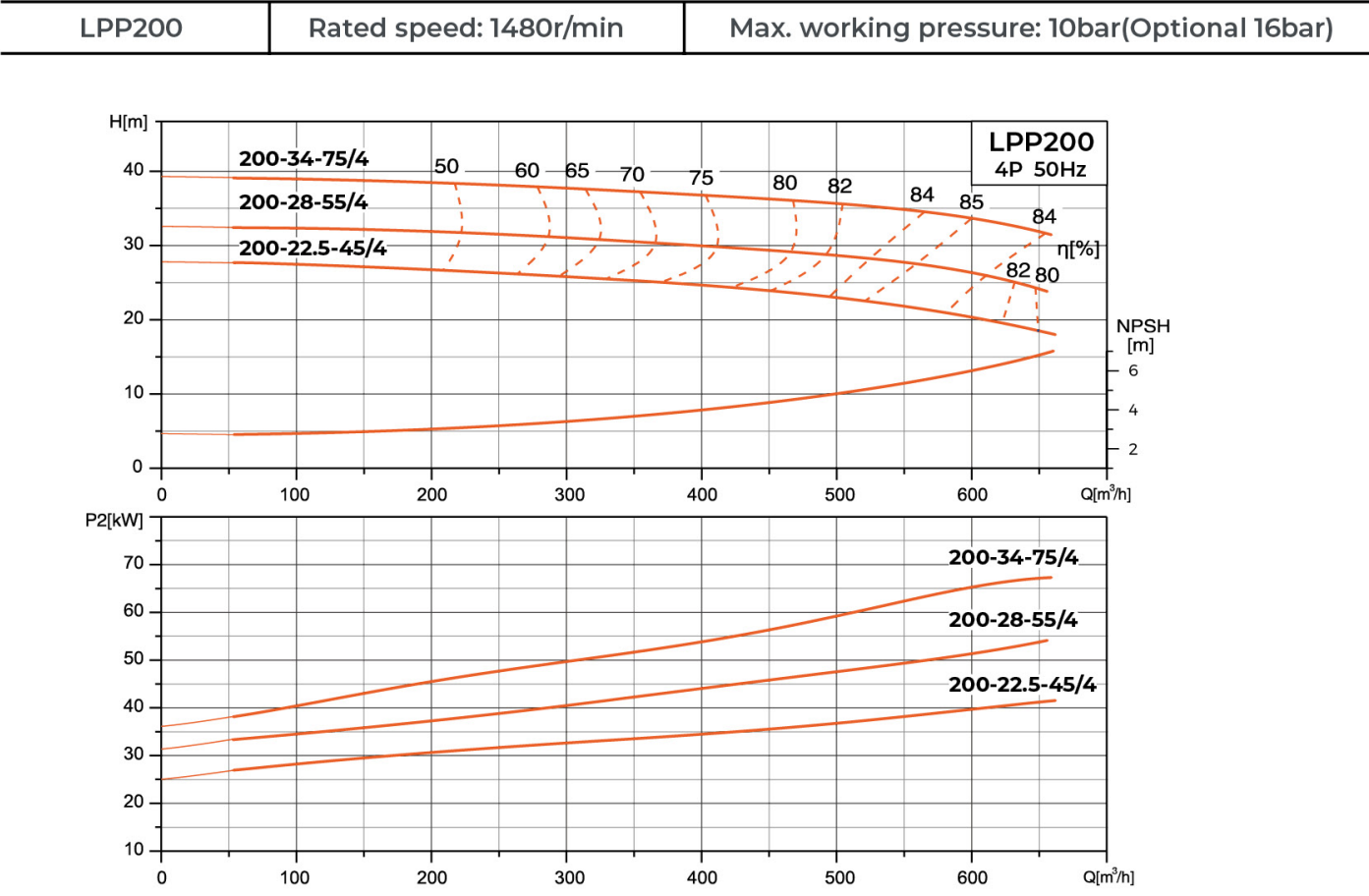
Hydraulic Performance Curves



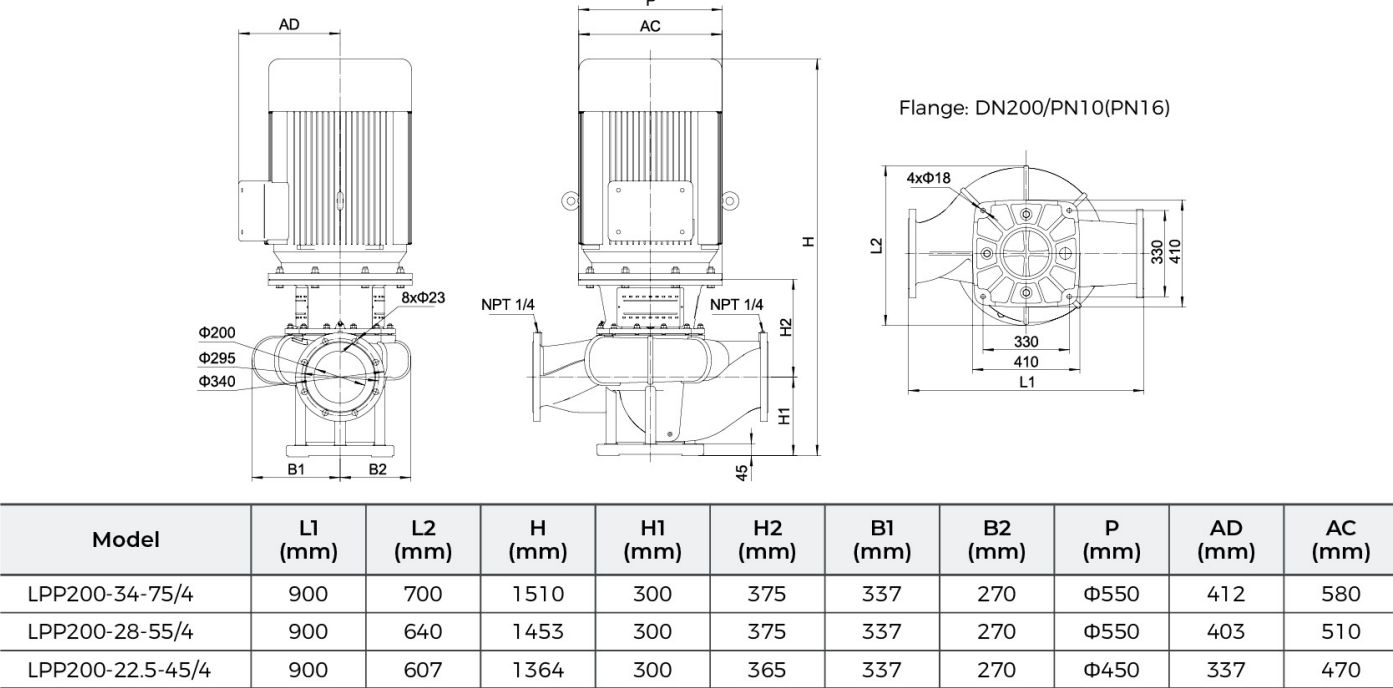
Dimension



Hydraulic Performance Curves

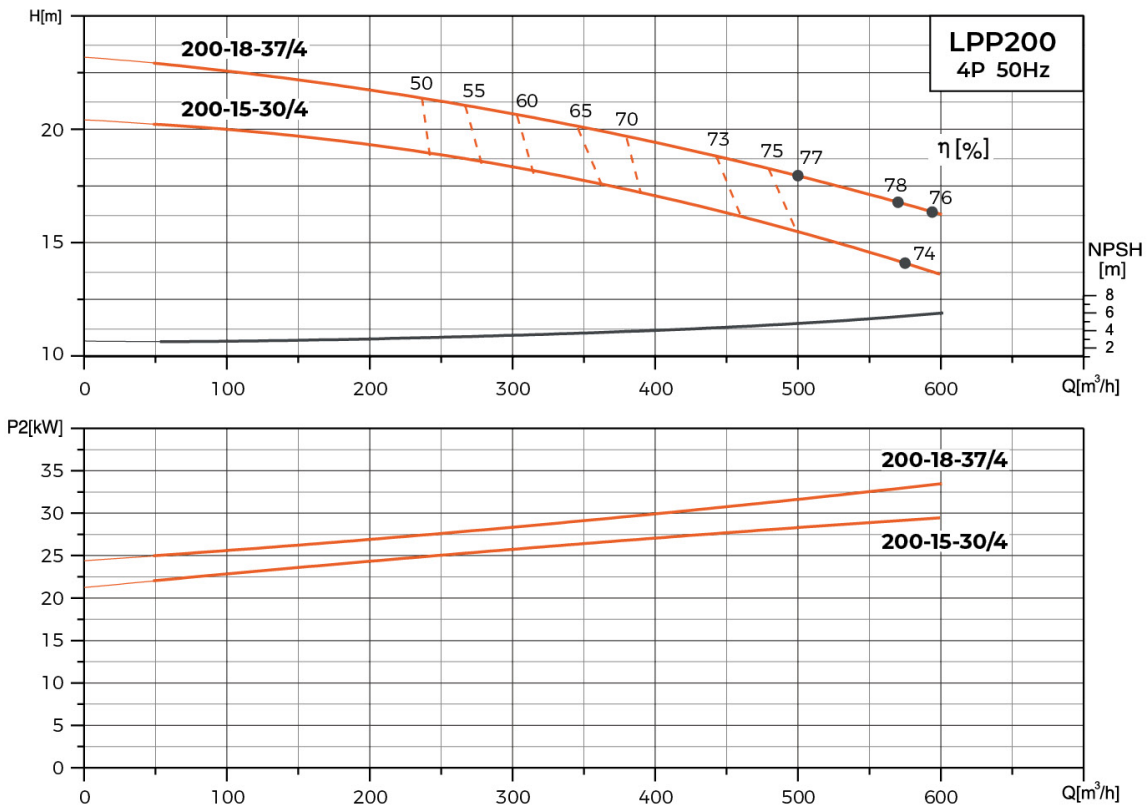


Dimension

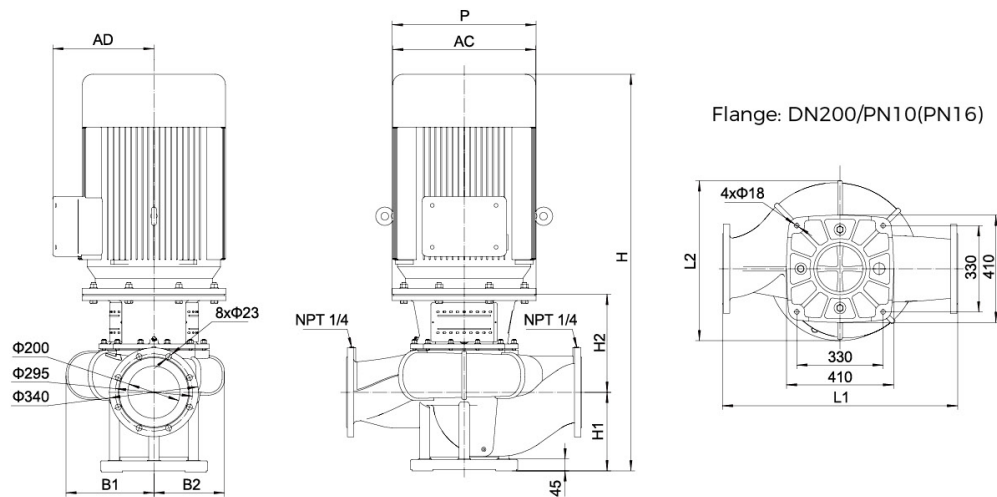


Hydraulic Performance Curves

LPP200	Rated speed: 1480r/min	Max. working pressure: 10bar(Optional 16bar)
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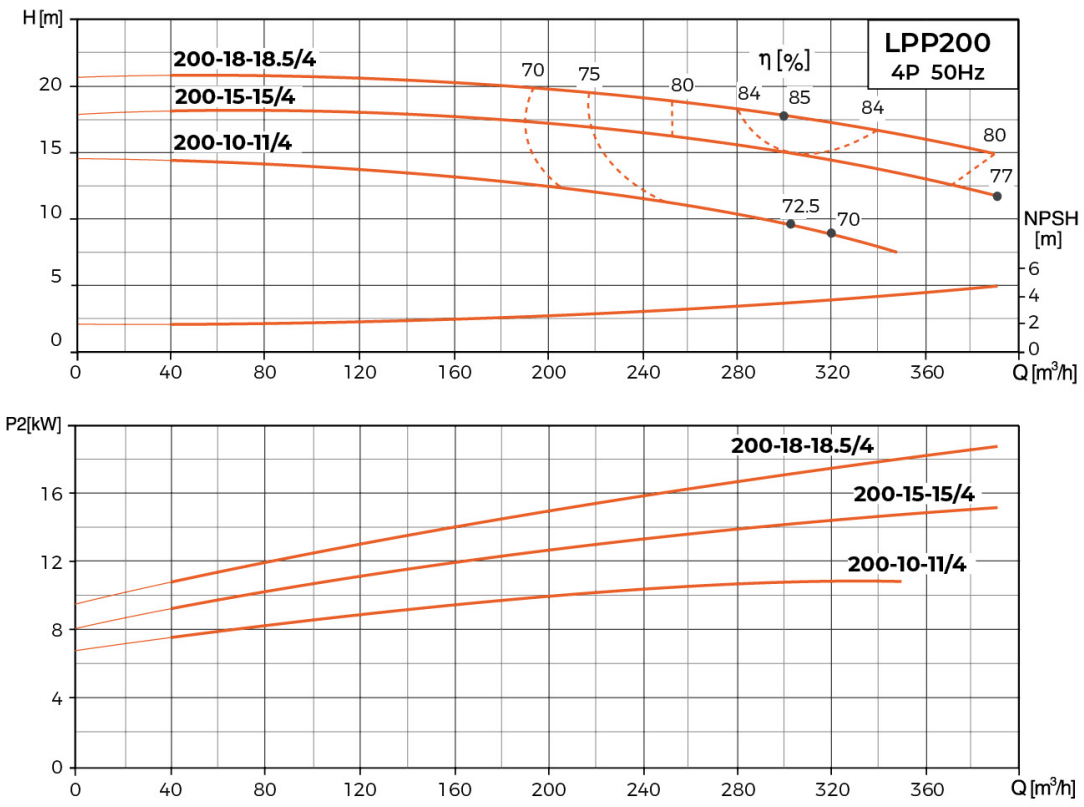
Dimension



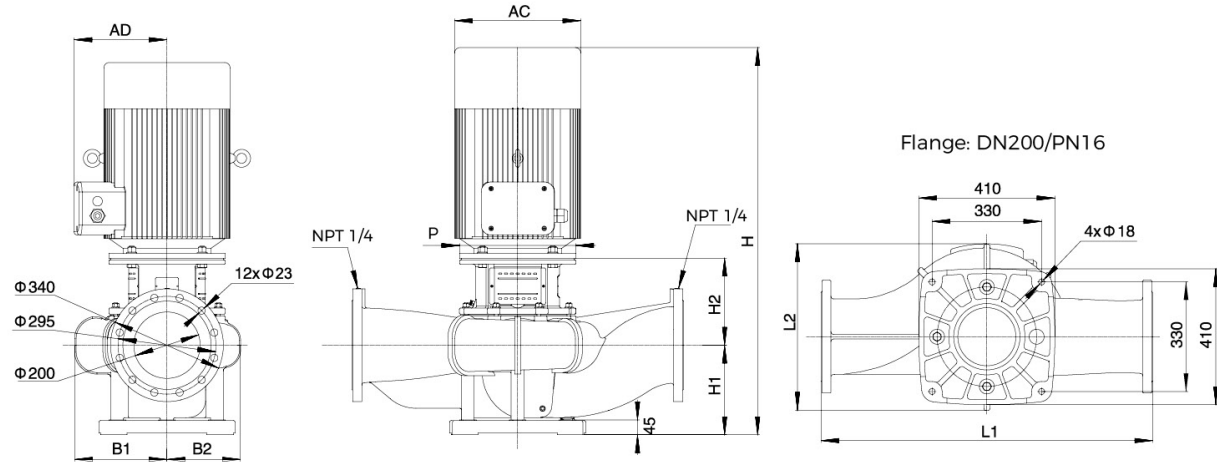
Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP200-18-37/4	900	607	1339	300	365	337	270	Φ450	337	470
LPP200-15-30/4	900	607	1297	300	335	337	270	Φ400	305	420

Hydraulic Performance Curves

LPP200	Rated speed: 1480r/min	Max. working pressure: 16bar
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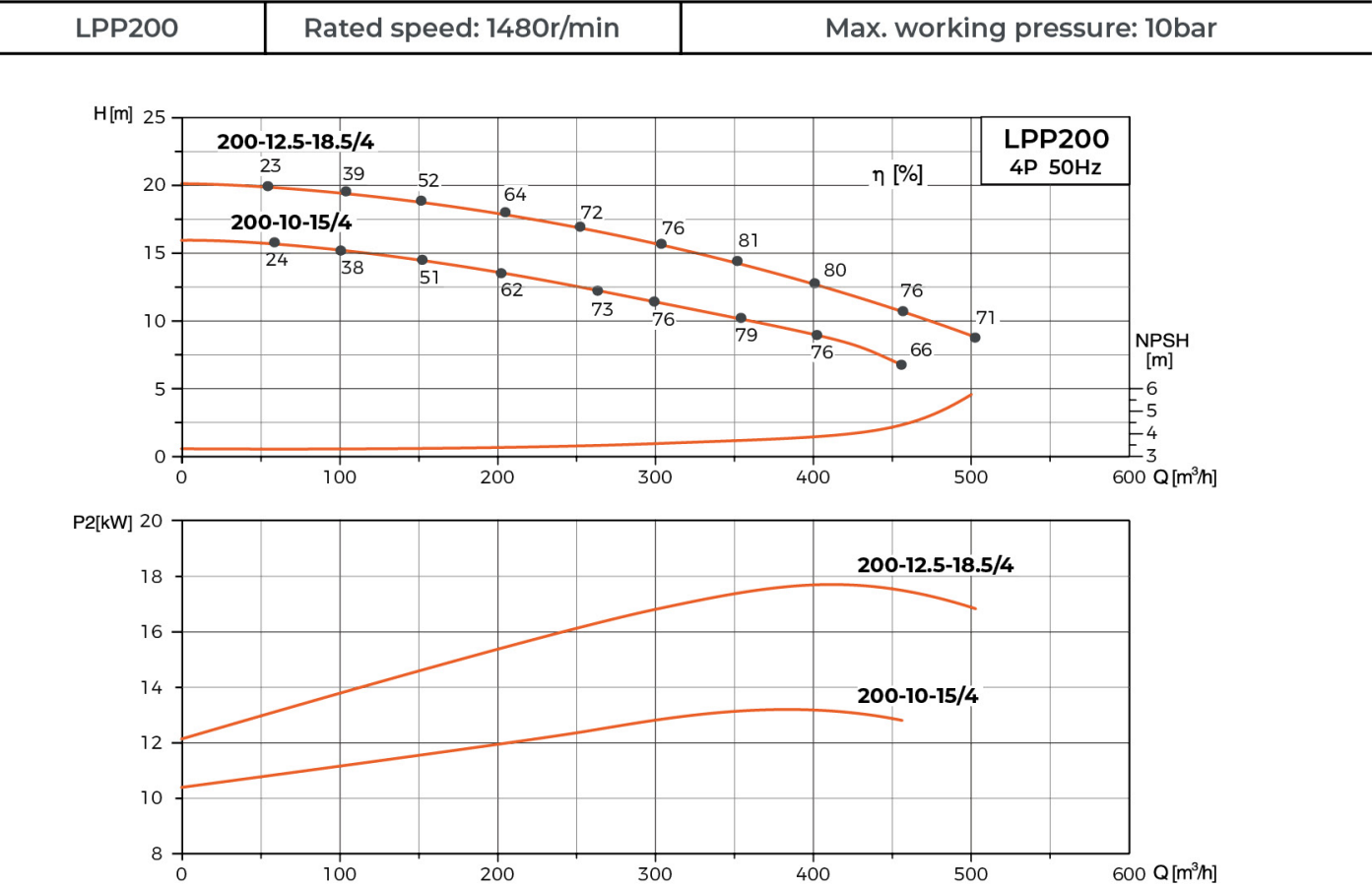


Dimension

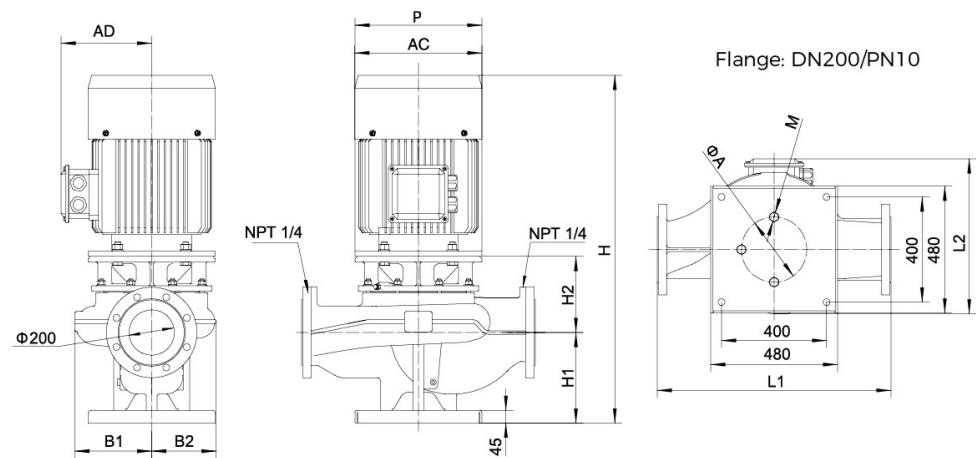


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP200-18-18.5/4	1000	501.5	1112	270	262	278.5	221.5	Φ350	280	380
LPP200-15-15/4	1000	501.5	1076	270	262	278.5	221.5	Φ350	283	330
LPP200-10-11/4	1000	501.5	1032	270	262	278.5	221.5	Φ350	283	330

Hydraulic Performance Curves

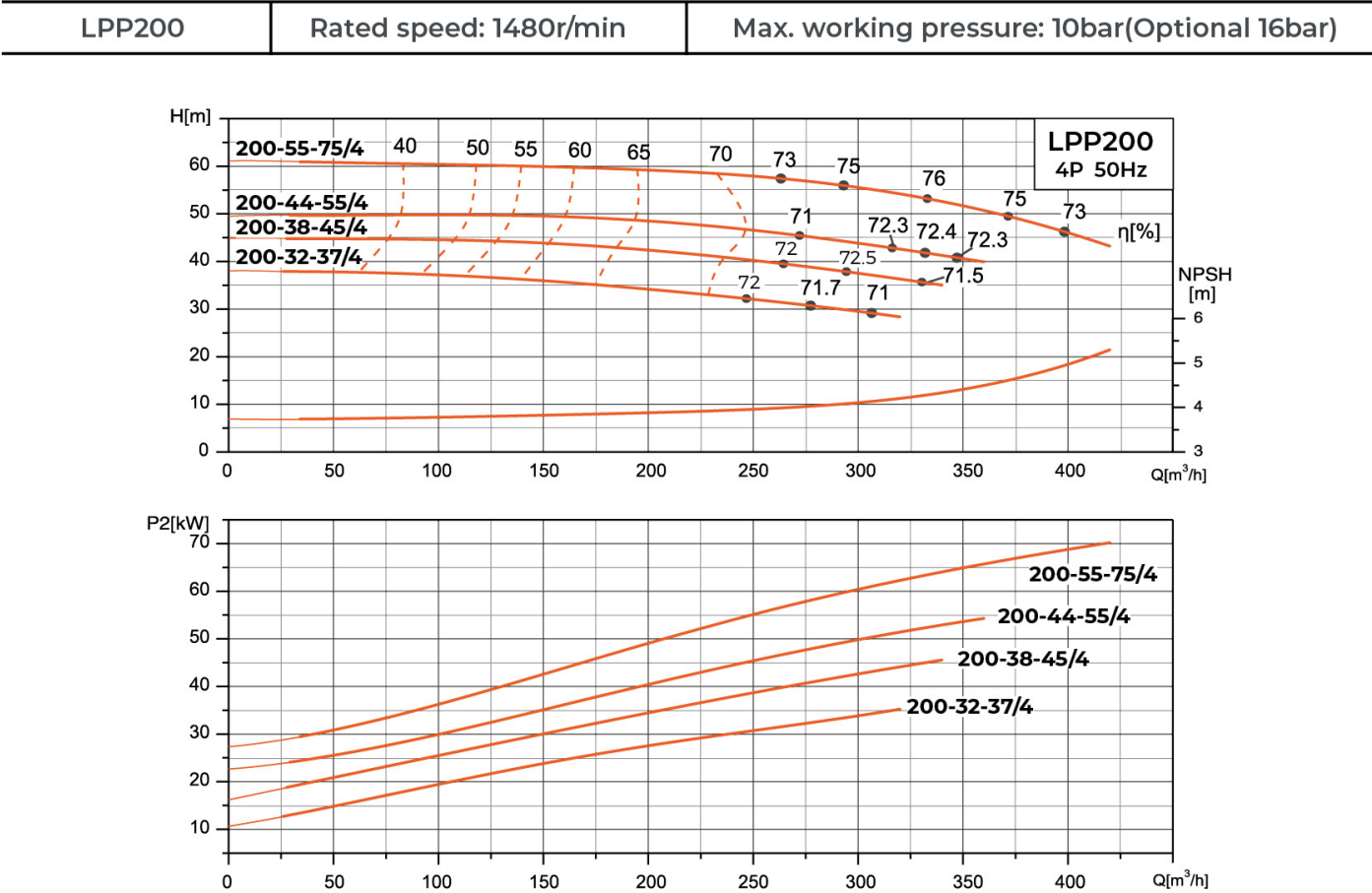


Dimension

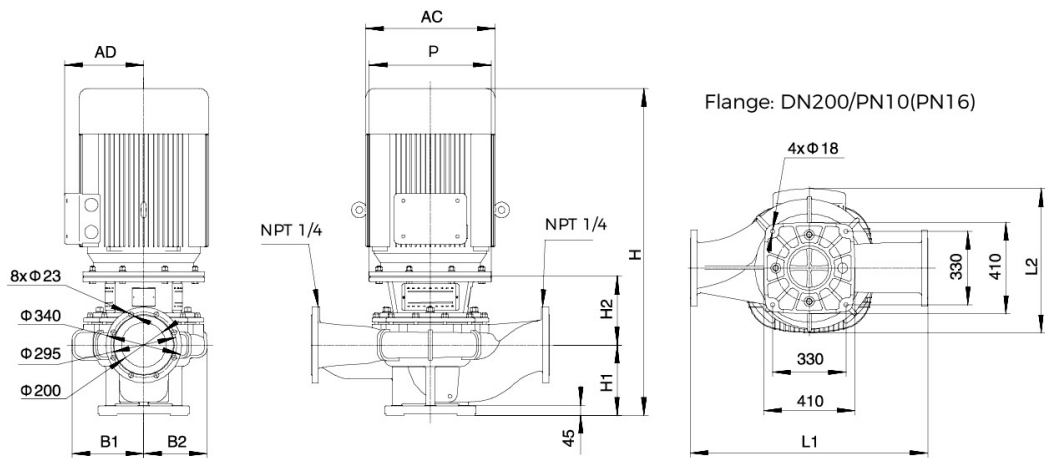


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)	ΦA (mm)	M (mm)
LPP200-12.5-18.5/4	990	511	990	312	98	288	223	Φ350	280	380	252	M16
LPP200-10-15/4	990	511	955	312	98	288	223	Φ350	250	330	252	M16

Hydraulic Performance Curves

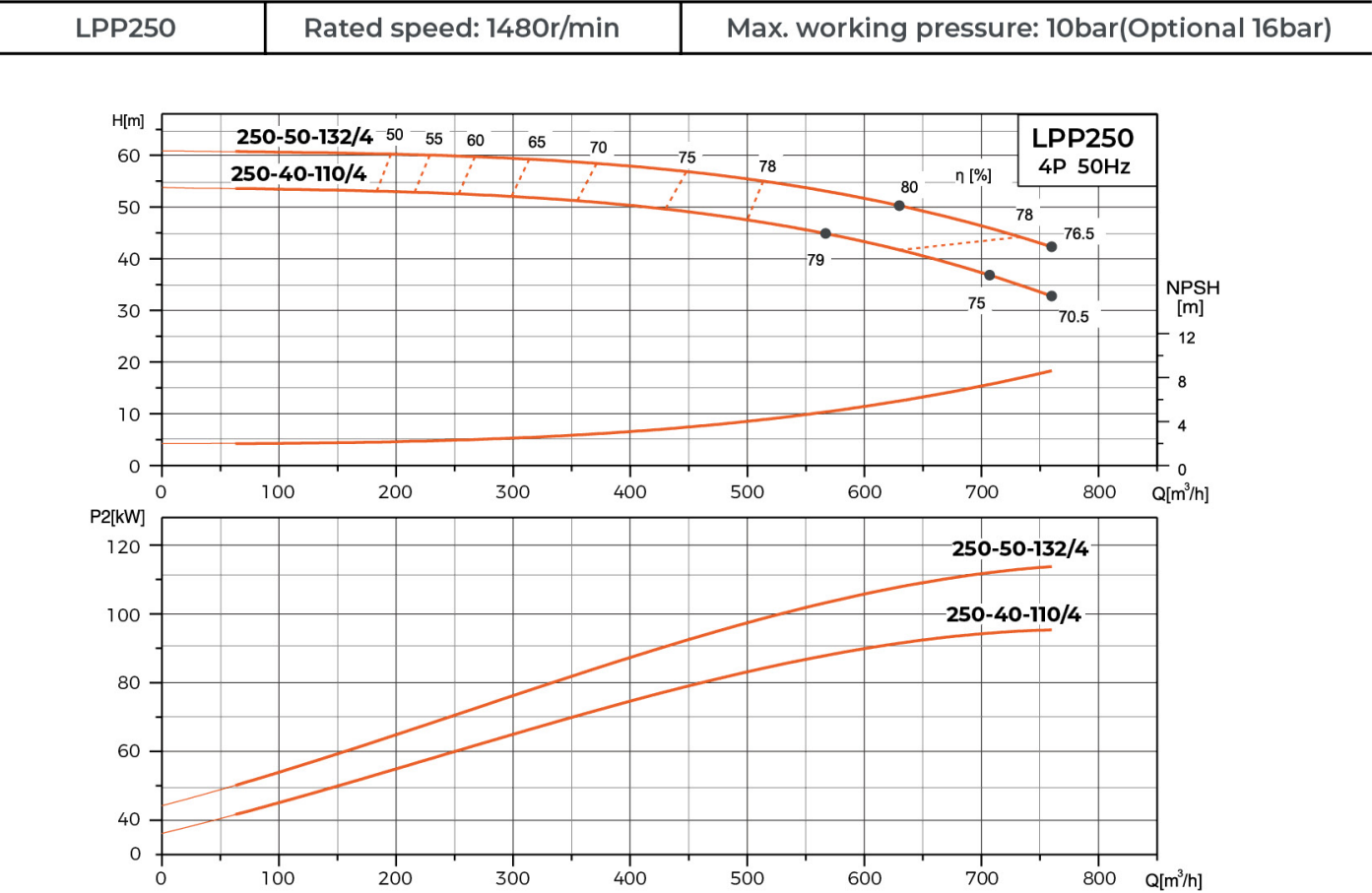


Dimension

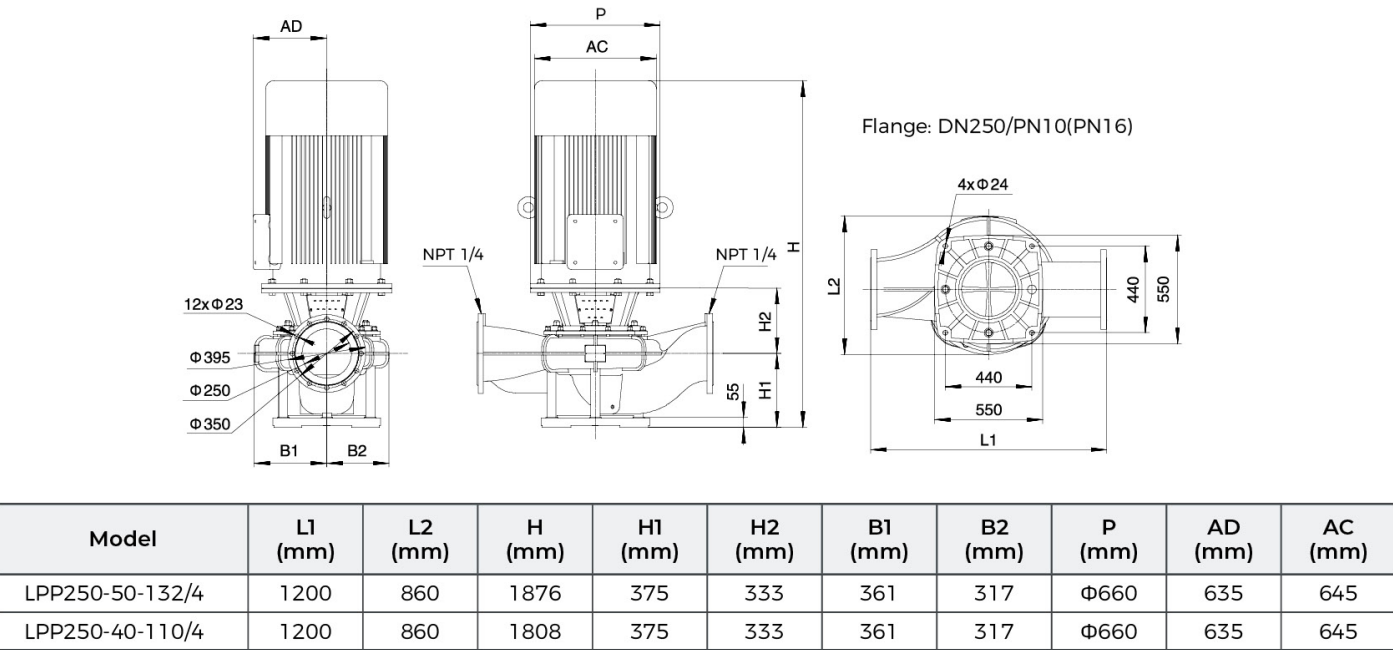


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	P (mm)	AD (mm)	AC (mm)
LPP200-55-75/4	1070	700	1461	317	309	323	284	Φ550	412	580
LPP200-44-55/4	1070	654	1404	317	309	323	284	Φ550	403	510
LPP200-38-45/4	1070	619	1325	317	309	323	284	Φ450	337	470
LPP200-32-37/4	1070	619	1300	317	309	323	284	Φ450	337	470

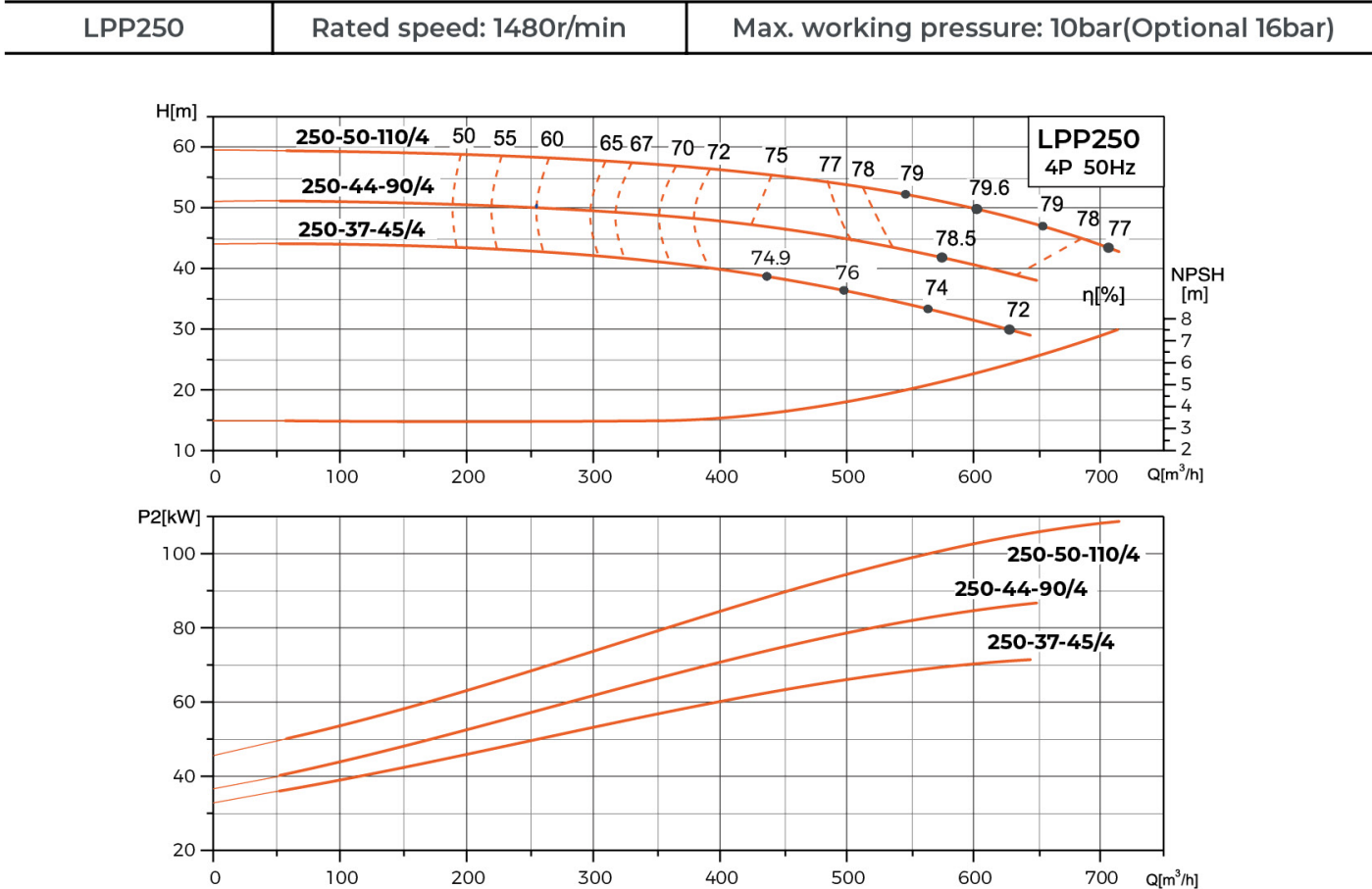
Hydraulic Performance Curves



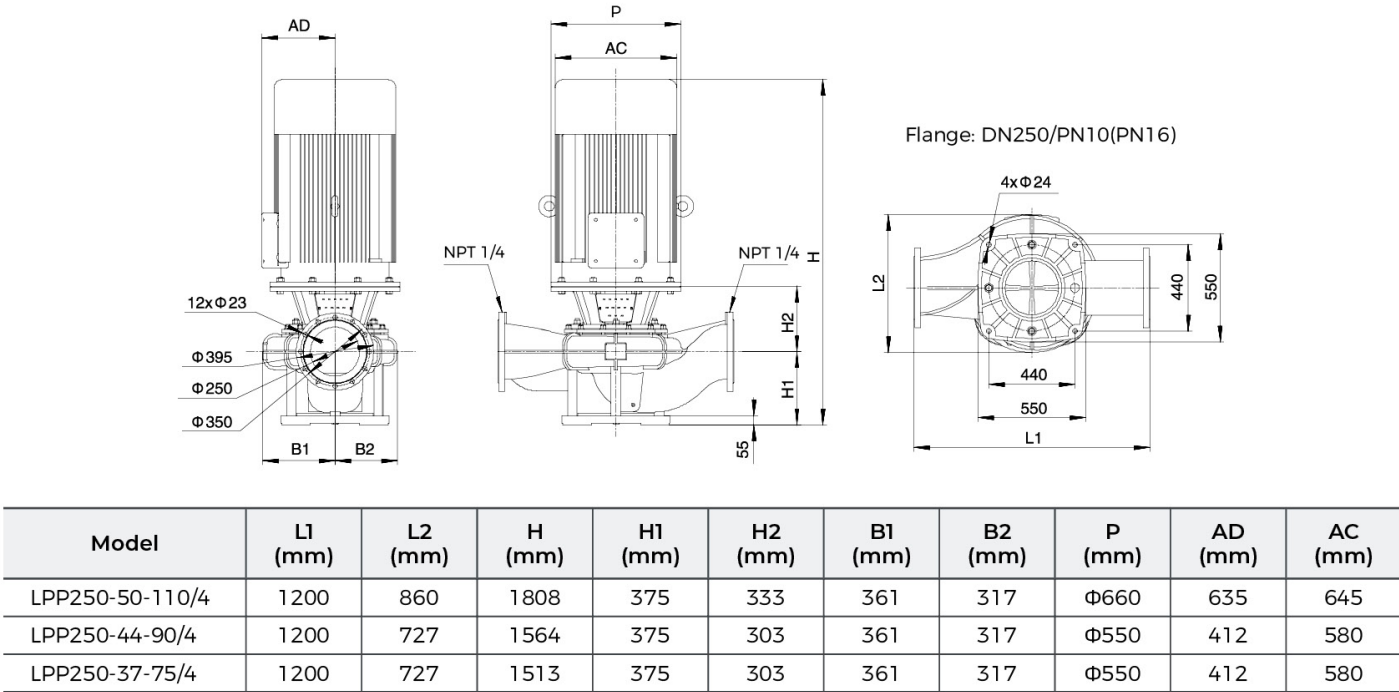
Dimension



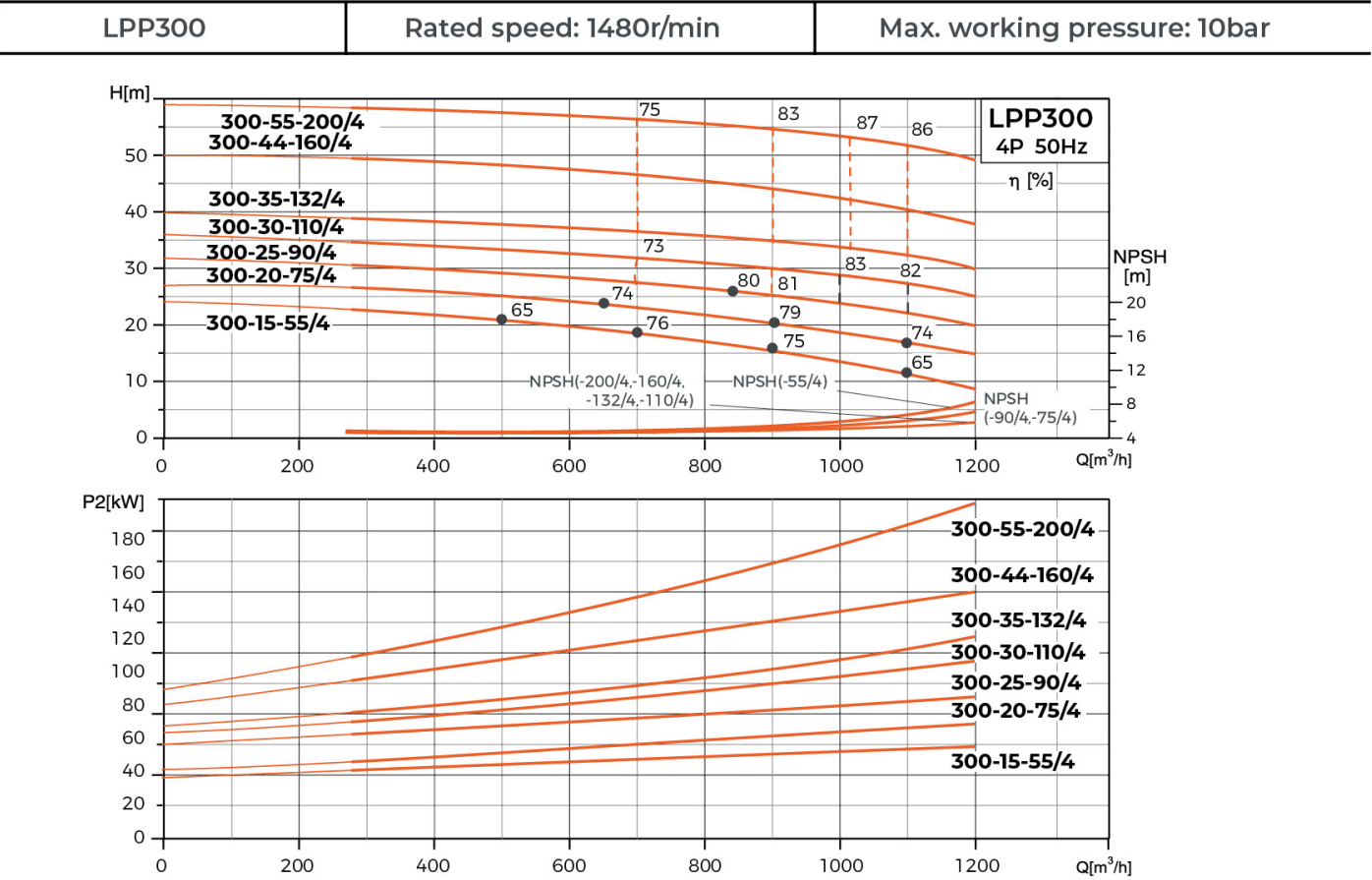
Hydraulic Performance Curves



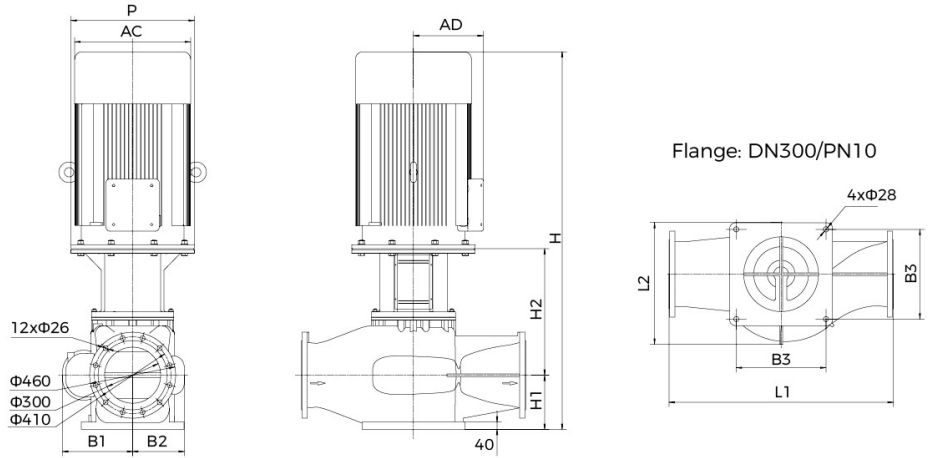
Dimension



Hydraulic Performance Curves



Dimension

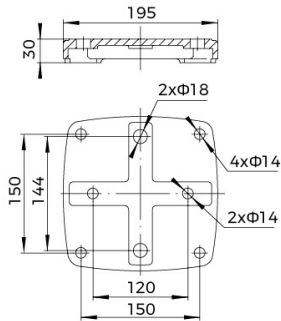


Model	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)	B1 (mm)	B2 (mm)	B3 (mm)	P (mm)	AD (mm)	AC (mm)
LPP300-55-200/4	1200	710	2152	290	702	380	295	480	Φ660	530	645
LPP300-44-160/4	1200	710	2152	290	702	380	295	480	Φ660	530	645
LPP300-35-132/4	1200	710	2149	290	699	380	280	480	Φ660	530	645
LPP300-30-110/4	1200	710	2039	290	699	380	280	480	Φ660	530	645
LPP300-25-90/4	1200	655	1819	290	659	380	280	480	Φ550	410	580
LPP300-20-75/4	1200	620	1759	290	649	345	250	440	Φ550	410	580
LPP300-15-55/4	1200	620	1719	290	649	345	250	440	Φ550	370	510

Base Plate Installation

LPP32-8-0.37/2 & LPP32-4-0.37/2 can't be equipped with base plate, other models are equipped with base plate as standard.

Base Plate 1

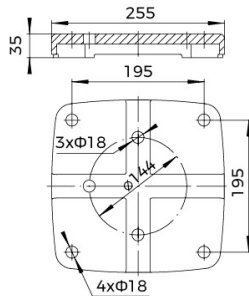


Model
LPP32-31-3/2
LPP32-26-2.2/2
LPP32-21-1.5/2
LPP32-16-1.1/2
LPP40-31-4/2
LPP40-24.5-3/2
LPP40-20.5-2.2/2
LPP40-20.5-1.5/2

Model
LPP40-1 7.5-1.1/2
LPP40-13-0.75/2
LPP50-34-5.5/2 ※
LPP50-28-4/2
LPP50-24-3/2
LPP50-21-2.2/2
LPP50-16-1.5/2
LPP50-12-1.1/2

Note: "※" refers to the model of base plate

Base Plate 2

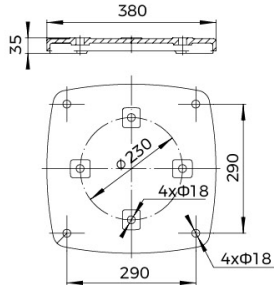


Model
LPP32-50-5.5/2
LPP32-40-4/2
LPP50-81-22/2
LPP50-70-18.5/2
LPP50-60-15/2
LPP50-80-11/2
LPP50-70-7.5/2
LPP50-60-7.5/2
LPP50-50-5.5/2
LPP50-40-4/2
LPP50-35-3/2
LPP65-56-18.5/2
LPP65-49-15/2
LPP65-40-11/2
LPP65-51-7.5/2
LPP65-35-7.5/2
LPP65-40-5.2/2

Model
LPP65-28-5.5/2
LPP65-21-4/2
LPP65-17-3/2
LPP65-14-2.2/2
LPP80-35-15/2 ※
LPP80-28-11/2
LPP80-21.5-7.5/2
LPP80-20-5.5/2
LPP80-17-4/2
LPP80-14-3/2
LPP80-10.5-2.2/2
LPP80-8.5-1.5/2
LPP100-35-15/2
LPP100-28-11/2
LPP100-21.5-7.5/2

Note: "※" refers to the model of base plate

Base Plate 3



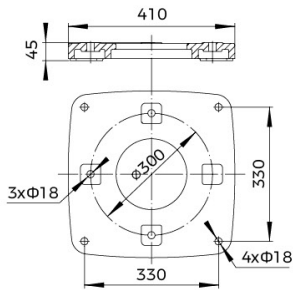
Model
LPP80-80-22/2
LPP80-70-18.5/2
LPP80-60-15/2
LPP80-28-11/4
LPP80-22-7.5/4
LPP80-19-5.5/4
LPP100-80-37/2
LPP100-70-30/2
LPP100-60-22/2
LPP100-50-22/2
LPP100-44-18.5/2
LPP100-38-15/2
LPP100-32-22/2 ※
LPP100-30-18.5/2
LPP100-24-15/2
LPP100-20-11/2
LPP100-32-22/4
LPP100-30-18.5/4
LPP100-25-15/4

Model
LPP100-21-11/4
LPP100-16-7.5/4
LPP125- 50-30/2
LPP125-44-30/2
LPP125-37.5-22/2
LPP125-35-30/4
LPP125-31-22/4
LPP125-28-18.5/4
LPP125-24-15/4
LPP125-19-11/4
LPP1 50-33-37/4
LPP150-29-30/4
LPP150-24.5-22/4
LPP150-21.5-18.5/4
LPP150-33-30/4
LPP1 50-25-22/4
LPP1 50-25-30/4
LPP150-21-18.5/4
LPP150-17-15/4
LPP150-12.5-11/4

Note: "※" refers to the model of base plate

Base Plate Installation

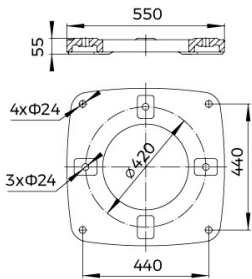
Base Plate 4



Model	Model
LPP150-50-45/4	LPP200-18-37/4
LPP150-40-37/4	LPP200-15-30/4
LPP200-55-75/4	LPP200-18-18.5/4
LPP200-36-75/4	LPP200-15-15/4
LPP200-34-75/4 ※	LPP200-10-11/4
LPP200-44-55/4	
LPP200-28-55/4	
LPP200-38-45/4	
LPP200-22.5-45/4	
LPP200-32-37/4	

Note: "※" refers to the model of base plate

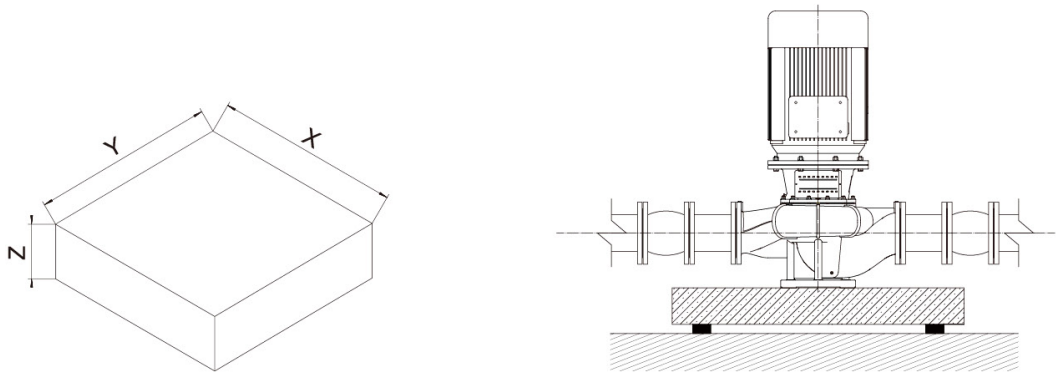
Base Plate 5



Model
LPP250-50-132/4
LPP250-50-110/4 ※
LPP250-40-110/4
LPP250-44-90/4
LPP250-37-75/4

Note: "※" refers to the model of base plate

Pedestal Installation



Model	Weight (kg)	X (mm)	Y (mm)	Z (mm)
LPP50-81-22/2	245	670	670	330
LPP50-70-18.5/2	206	670	670	330
LPP50-60-15/2	158	565	565	280
LPP65-56-18.5/2	186	565	565	280

Pedestal Installation

Model	Weight (kg)	X (mm)	Y (mm)	Z (mm)
LPP65-49-15/2	180	565	565	280
LPP65-40-11/2	176	565	565	280
LPP80-35-15/2	187	565	565	280
LPP80-28-11/2	173	565	565	280
LPP80-21.5-7.5/2	128	565	565	280
LPP80-28-11/4	238	670	670	330
LPP80-22-7.5/4	181	565	565	280
LPP80-19-5.5/4	168	565	565	280
LPP80-80-22/2	265	710	710	360
LPP80-70-18.5/2	220	670	670	330
LPP80-60-15/2	178	565	565	280
LPP100-50-22/2	267	710	710	360
LPP100-44-18.5/2	222	670	670	330
LPP100-38-15/2	180	565	565	280
LPP100-80-37/2	341	750	750	375
LPP100-70-30/2	330	750	750	375
LPP100-60-22/2	276	710	710	360
LPP100-32-22/2	330	750	750	375
LPP100-30-18.5/2	293	710	710	360
LPP100-24-15/2	270	710	710	360
LPP100-20-11/2	256	670	670	330
LPP100-32-22/4	345	750	750	375
LPP100-30-18.5/4	327	750	750	375
LPP100-25-15/4	286	710	710	360
LPP100-21-11/4	261	670	670	330
LPP100-16-7.5/4	222	670	670	330

Pedestal Installation

Model	Weight (kg)	X (mm)	Y (mm)	Z (mm)
LPP100-35-15/2	152	565	565	280
LPP100-28-11/2	139	565	565	280
LPP100-21.5-7.5/2	107	565	565	280
LPP125-35-30/4	415	780	780	390
LPP125-31-22/4	352	750	750	375
LPP125-28-18.5/4	335	750	750	375
LPP125-24-15/4	305	710	710	360
LPP125-19-11/4	286	710	710	360
LPP125-8-4/4	125	565	565	280
LPP125-12.5-5.5/4	140	565	565	280
LPP125-10-7.5/4	150	565	565	280
LPP125-50-30/2	347	750	750	375
LPP125-44-30/2	346	750	750	375
LPP125-37.5-22/2	290	710	710	360
LPP150-50-45/4	634	970	970	470
LPP150-40-37/4	570	870	870	440
LPP150-33-37/4	503	840	840	420
LPP150-29-30/4	475	840	840	420
LPP150-33-30/4	459	840	840	420
LPP150-25-22/4	377	780	780	390
LPP150-25-30/4	457	840	840	420
LPP150-24.5-22/4	410	780	780	390
LPP150-21.5-18.5/4	390	780	780	390
LPP150-21-18.5/4	346	750	750	375
LPP150-17-15/4	311	750	750	375
LPP200-18-37/4	570	870	870	440
LPP200-15-30/4	531	870	870	440

Pedestal Installation

Model	Weight (kg)	X (mm)	Y (mm)	Z (mm)
LPP150-12.5-11/4	293	710	710	360
LPP200-10-11/4	358	750	750	375
LPP200-36-75/4	894	1050	1050	510
LPP200-34-75/4	860	1050	1050	510
LPP200-28-55/4	700	970	970	470
LPP200-22.5-45/4	570	870	870	440
LPP200-18-18.5/4	411	780	780	390
LPP200-15-15/4	376	780	780	390
LPP200-55-75/4	957	1050	1050	510
LPP200-44-55/4	762	970	970	470
LPP200-38-45/4	654	970	970	470
LPP200-32-37/4	633	970	970	470
LPP200-12.5-18.5/4	360	750	750	375
LPP200-10-15/4	320	750	750	375
LPP250-50-132/4	1608	1250	1250	620
LPP250-40-110/4	1512	1250	1250	620
LPP250-50-110/4	1512	1250	1250	620
LPP250-44-90/4	1134	1100	1100	550
LPP250-37-75/4	1092	1100	1100	550
LPP300-55-200/4	1905	1310	1310	680
LPP300-44-160/4	1790	1290	1290	660
LPP300-35-132/4	1650	1250	1250	630
LPP300-300-110/4	1570	1250	1250	620
LPP300-25-90/4	1230	1150	1150	570
LPP300-20-75/4	1075	1100	1100	550
LPP300-15-55/4	907	1030	1030	510



PUMP RANGE

Peripheral Pump



Self-Priming Peripheral Pump



Jet Pump



Jet Pump for Deep Wells



Centrifugal Pump



Multistage Centrifugal Pump



Horizontal Multistage Centrifugal Pump



Permanent Magnet Intelligent Booster



Self-Priming Centrifugal Pump



Submersible Pump



Domestic Lifting Station



Pool Pump



Garden Jet Pump



Garden Pressure System



Fountain Pump



Garden Submersible Pump



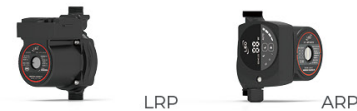
Petrol Lawnmowers



Wall-Mounted Gas Boiler Pump



Circulation Pump



Booster Pump



Stainless Steel Centrifugal Pump



Semi-open Impeller Stainless Steel Centrifugal Pump



Stainless Steel Horizontal Multistage Pump



Intelligent Pressure Booster System



Vertical Multistage Pump



Pressure Booster System



Stainless Steel Standard Centrifugal Pump



Standard Centrifugal Pump



End Suction Centrifugal Pump



Vertical In-line Pump



PUMP RANGE

Submersible Sewage Pump



Submersible Dewatering Pump



Submersible Slurry Pump

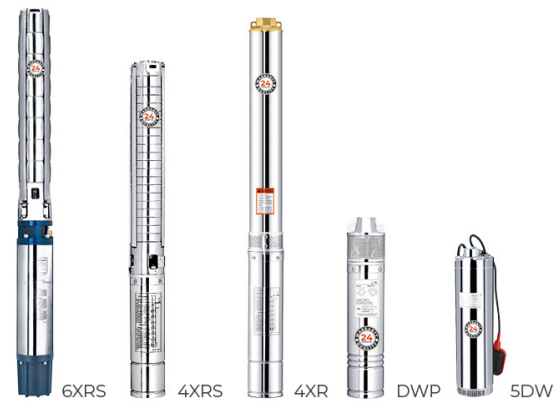


Gasoline/Diesel Water Pump



Submersible Borehole Pump

2", 2.5", 3", 4", 5", 6"



Solar Pumping System

