

SLP_{60Hz}

In-line Circulator Pumps

SLP Series is Vertical in-line Centrifugal pump in-line port position with flange designed according to DIN Standard. Standard pumps are fitted with motor according to IEC standard, with three phase premium efficiency (IE3).




SLP
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Technical Data

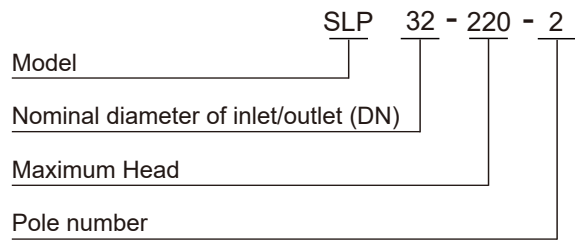
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SLP In-line Circulator Pumps

SLP Series is Vertical in-line Centrifugal pump, in-line port position with flange designed according to DIN Standard. Standard pumps are fitted with motor according to IEC standard, with three phase premium efficiency (IE3).



Model Code



Applications

- Hot or chilled water circulating systems
- Refrigerating systems
- Domestic and potable water system
- Industrial Water services
- Circulation and supply of potable, domestic, sanitary, brackish water, and other clean aggressive liquids.

Pumped Liquids

The pump is suitable for thin, clean, non-aggressive and non-flammable liquids, not containing solid particles or fibres that may attack the pump mechanically or chemically.

Operation Conditions

- Flow Rate : Up to 34 m³/h
- Head : Up to 40 m
- Liquid Temperature Range : -25 To +120 °C
- Maximum Ambient Temperature : +50 °C
- Maximum Operating Pressure : 16 (bar)

Motor

The motor fitted on SLP pumps is a totally enclosed, fan-cooled motor with main dimensions to IEC and DIN standards.

Electrical tolerances to IEC 60034.

- Relative humidity : Maximum 95 %
- Enclosure class : IP55
- Insulation class : F

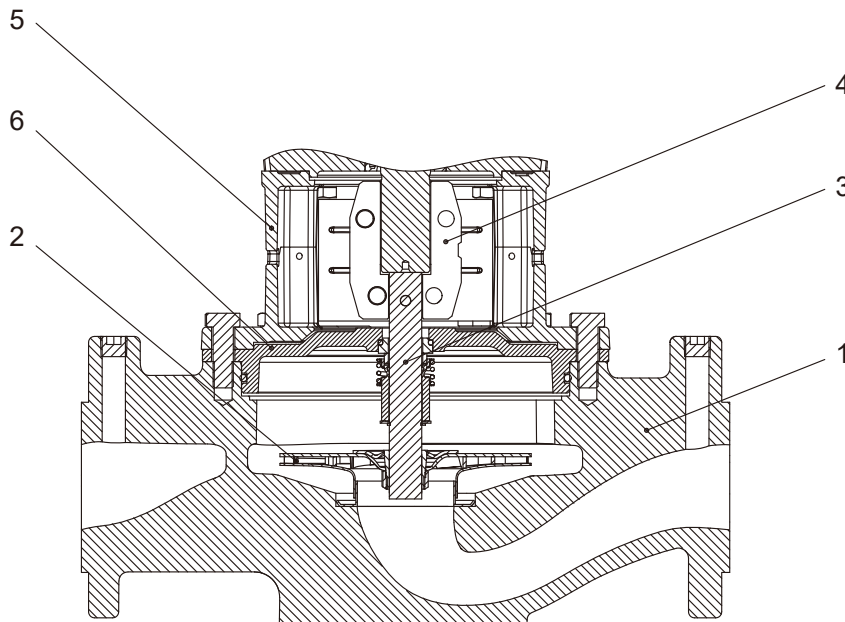
Features

- Optimised Hydraulics For High Efficiency
Reduced power consumption.
- High-efficiency Motors
SLP pumps are fitted with high-efficiency motors.
- High-efficiency motors offer reduced energy consumption.
SLP pumps are primarily fitted with motors that meet the legislative requirements of the EuP IE3 grade.
- Top-pull-out Design
Easy dismantling in case of service.
- In-line Design
Contrary to end-suction pumps, in-line pumps allow straight pipes and thus often reduced installation costs.
- Pump Housing And Pump Head Are Electrocoated To Improve The Corrosion Resistance
- Stainless steel Impeller And Neck Ring
Wear-free operation with high efficiency.

Motor Data

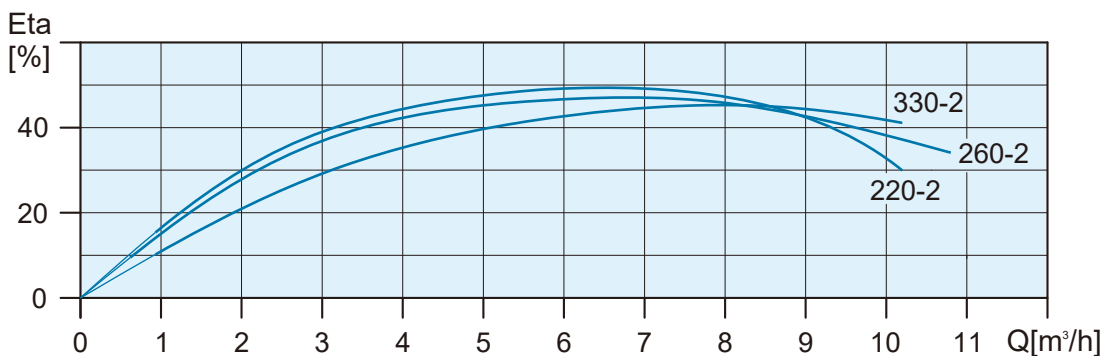
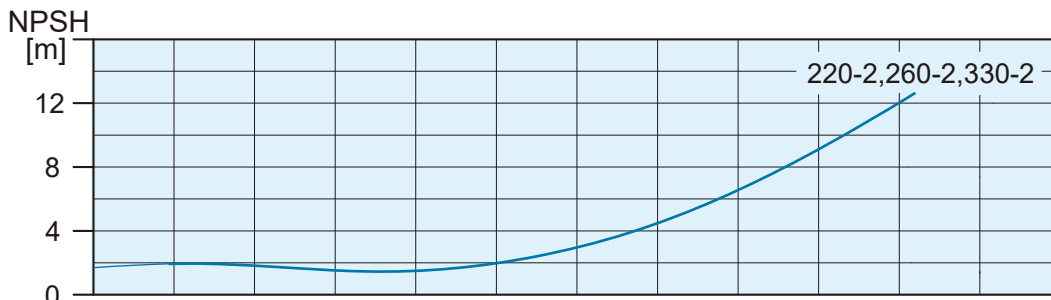
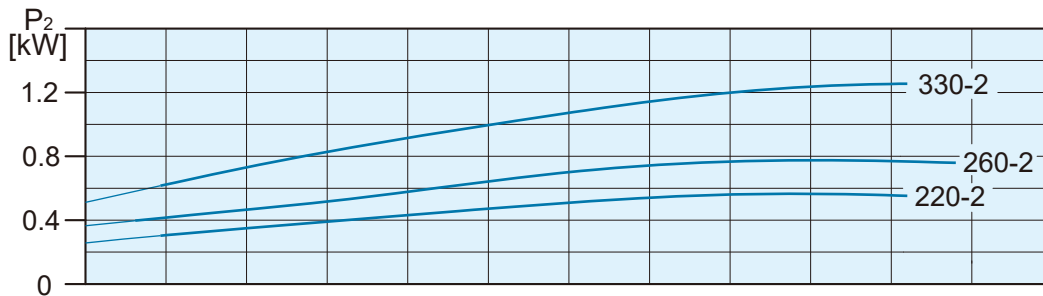
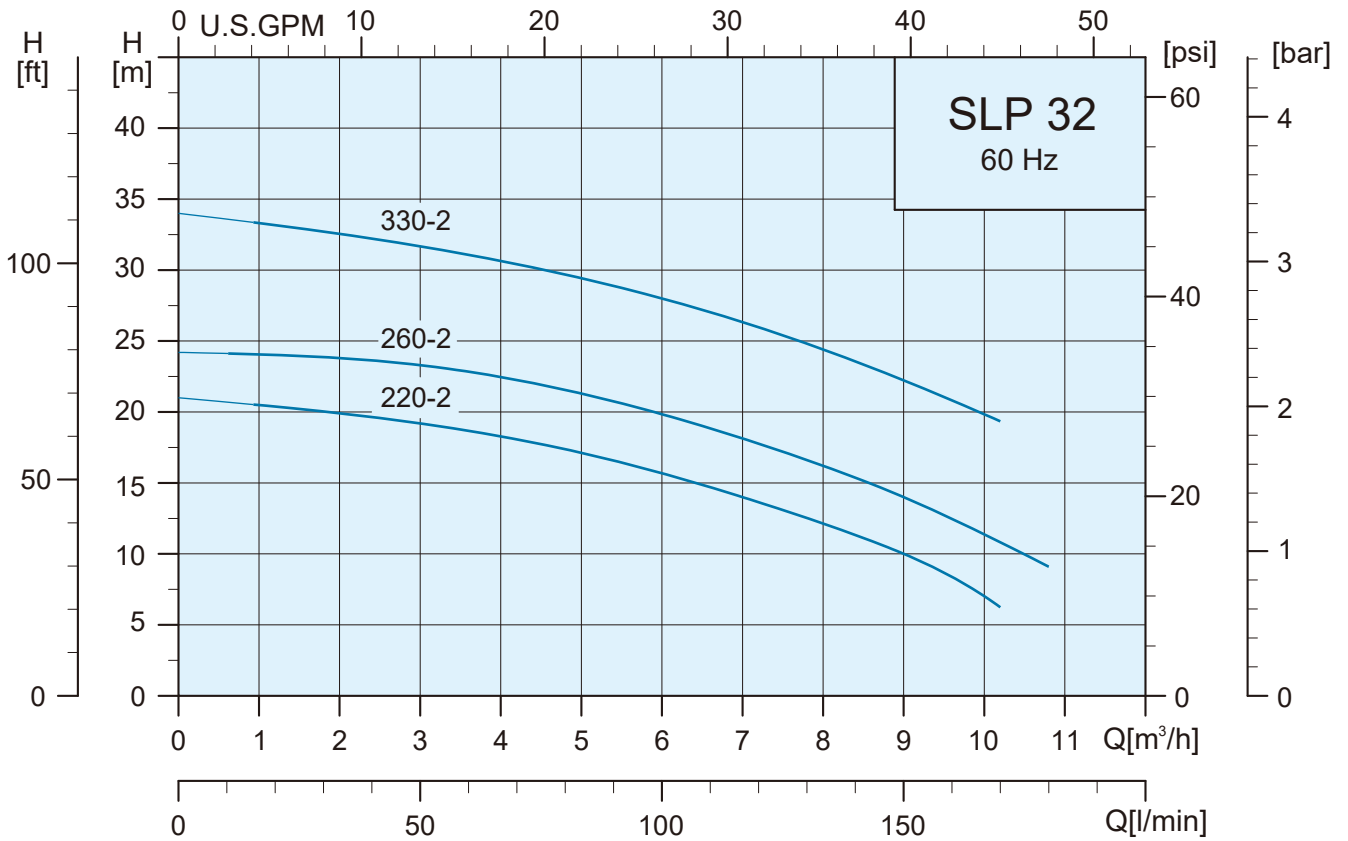
Motor Type				Nominal current in [A]					IE class
Pole	HP	kW	Flange	Frame	3 ϕ				
					Δ 220-255V	Y380-440V	Δ 220-277V	Y380-480V	
2	0.5	0.37	B14 / V18	71A	1.7-1.7	1.0 - 1.1	—	—	IE3
	0.75	0.55		71B	2.4-2.4	1.4-1.4	—	—	IE3
	1.0	0.75		80A	3.1-3.1	1.8-1.8	—	—	IE3
	1.5	1.1		80B	4.0-3.5	2.3-2.0	—	—	IE3
	2.0	1.5		90S	—	—	5.7-5.4	3.3-3.1	IE3
	3.0	2.2		90L	—	—	8.1-7.2	4.7-4.2	IE3
	4.0	3.0		100L	—	—	11.1-9.7	6.4-5.6	IE3

Materials



Pos.	Component	Material	EN/DIN
1	Pump housing	Cast iron FC250	0.6025
2	Impeller	Stainless steel	1.4301
3	Shaft	Stainless steel	1.4301
4	Coupling	Fe-Cu-C FC0525 (MPIF) Cast iron FCD450	0.7045
5	Pump head	Cast iron FC250	0.6025
6	Pump head cover	Cast iron FC250	0.6025
	Secondary seals	EPDM	
	Rotating seal face	Carbon (resin-impregnated) silicon carbide	
	Stationary seat	silicon carbide	

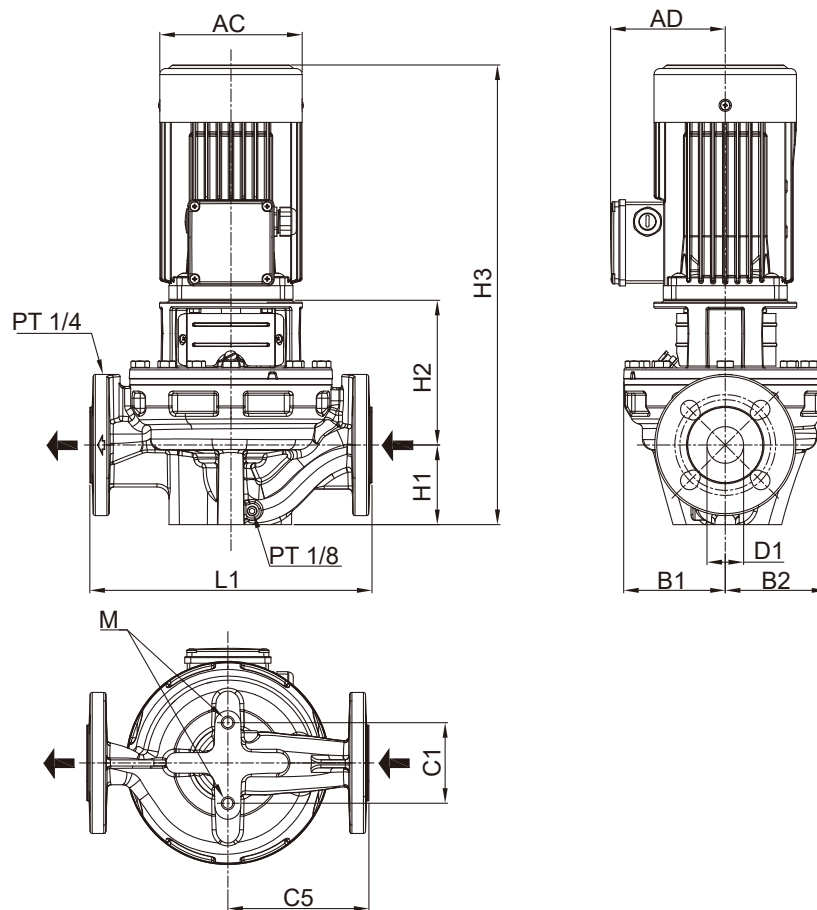
Performance Curves



Specifications

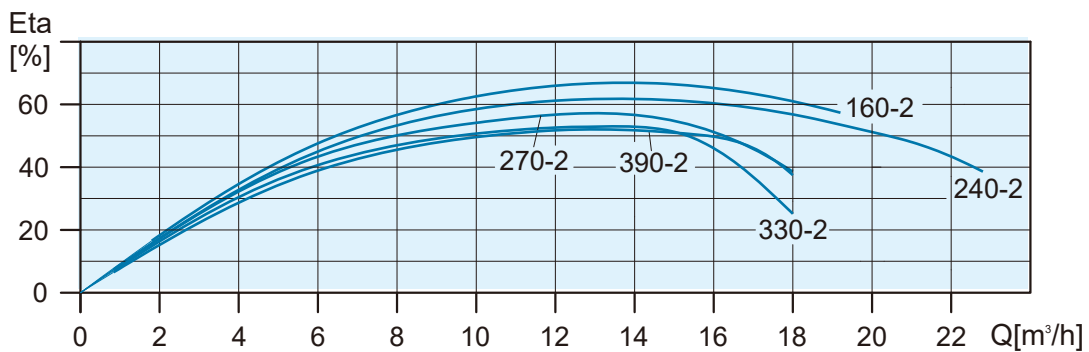
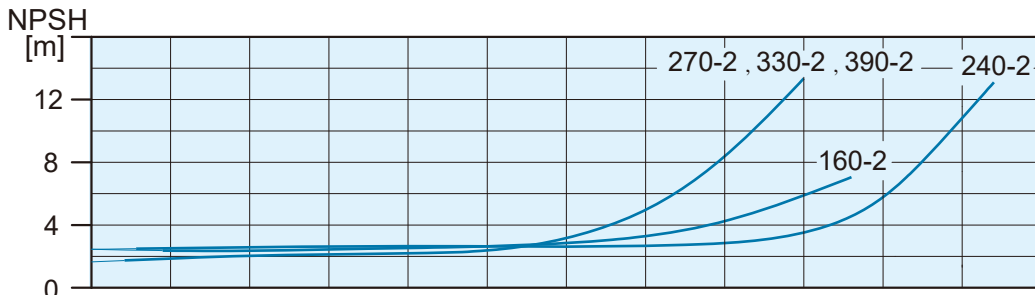
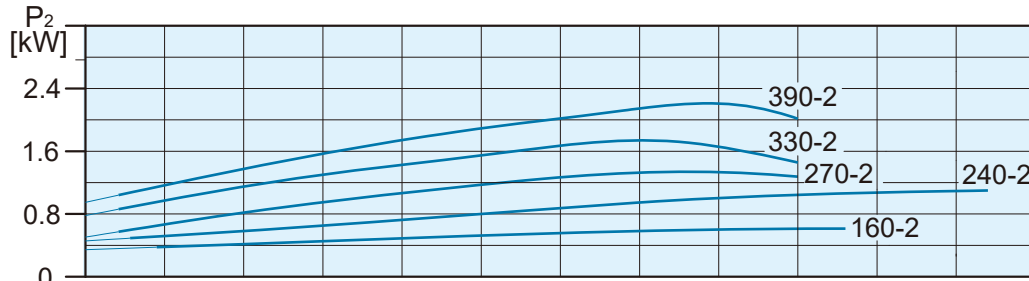
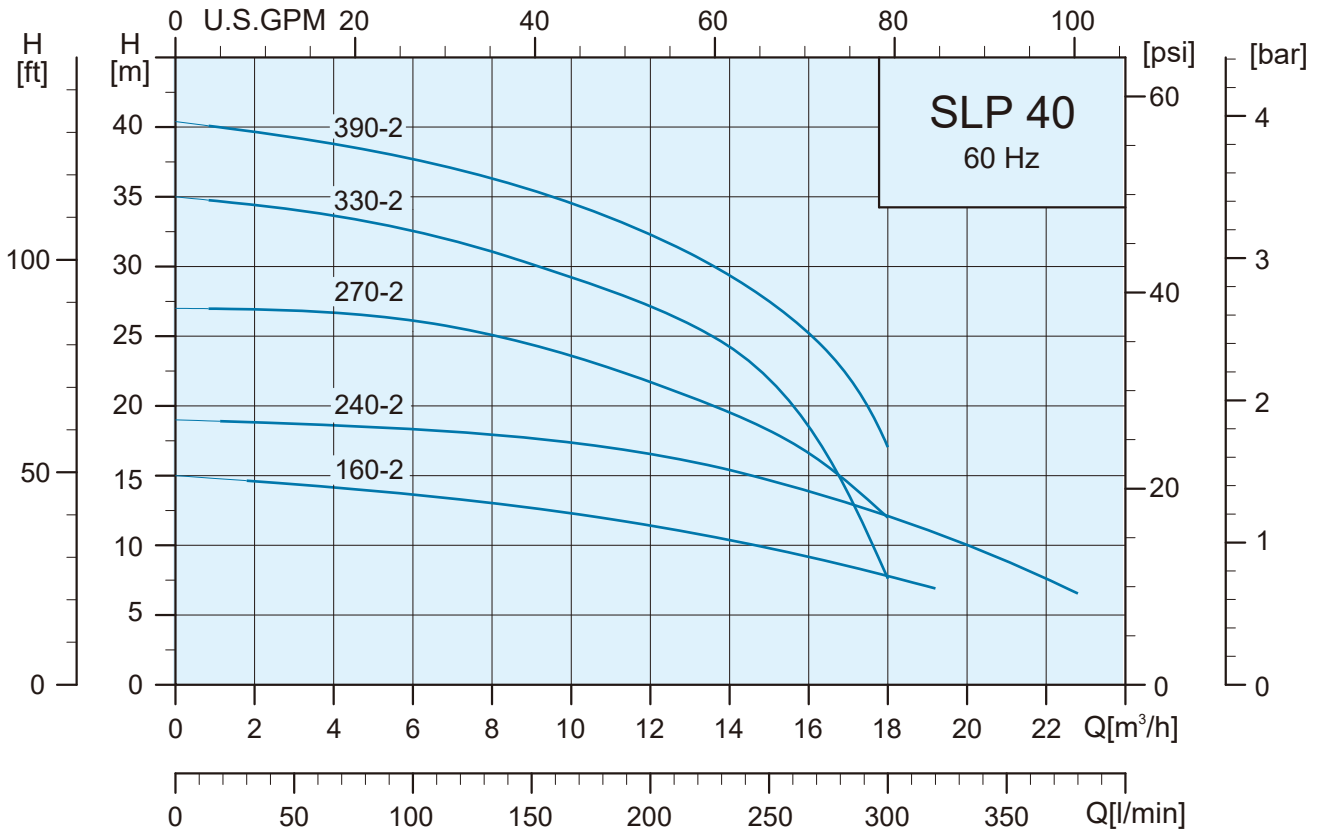
Model	Power		Head (Pressure)		Flow (Capacity)	Connection	T _{min} / T _{max}
	P ₂		Rated(m)	Max.(m)	Rated(m ³ /h)	Inlet / Outlet	°C
	kW	HP					
SLP 32-220-2	0.75	1.0	14.2	21.0	6.9	DN32	-25 / 120
SLP 32-260-2	1.1	1.5	17.2	24.0	7.5	DN32	-25 / 120
SLP 32-330-2	1.5	2.0	24.0	34.0	8.2	DN32	-25 / 120

Dimensions and Weights



Model	Series	Flange		Dimension (mm)												Net Weight (kg)
		DIN	JIS	D1	AC	AD	B1	B2	C1	C5	L1	H1	H2	H3	M	
SLP 32-220-2	200	PN 6/10	10K	32	141	115	101	101	80	140	280	79	145	457	M12	24
SLP 32-260-2	200	PN 6/10	10K	32	141	115	101	101	80	140	280	79	145	477	M12	27
SLP 32-330-2	200	PN 6/10	10K	32	177	141	101	101	80	140	280	79	154	530	M12	34

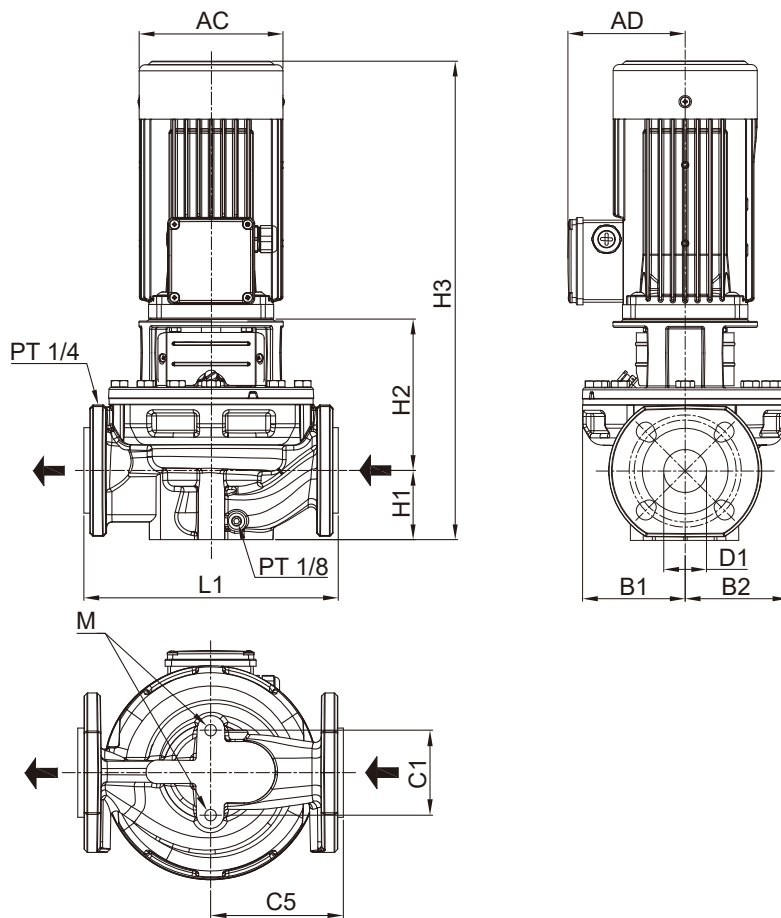
Performance Curves



Specifications

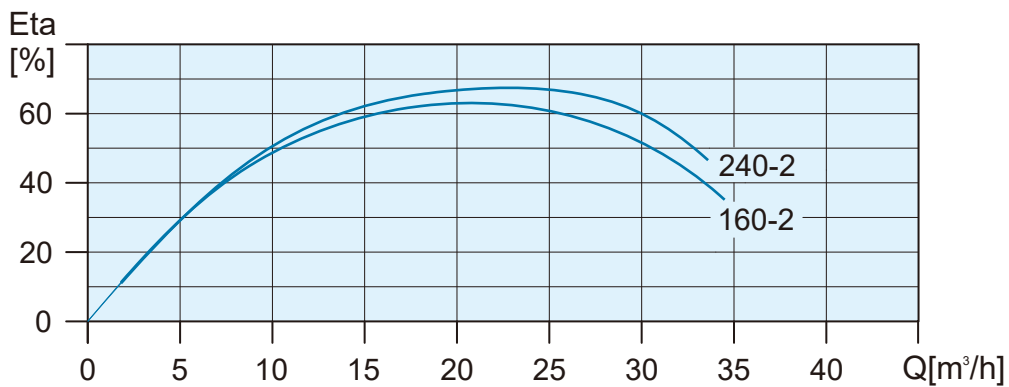
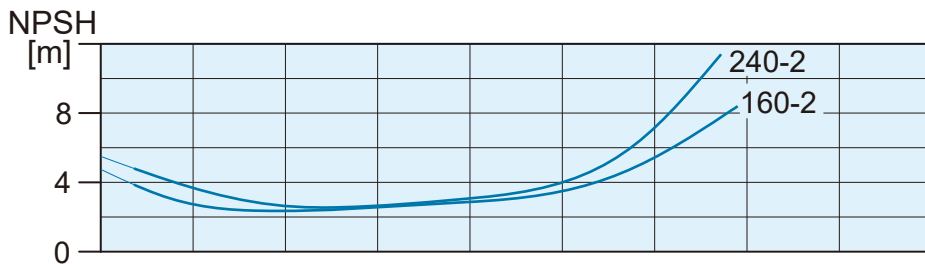
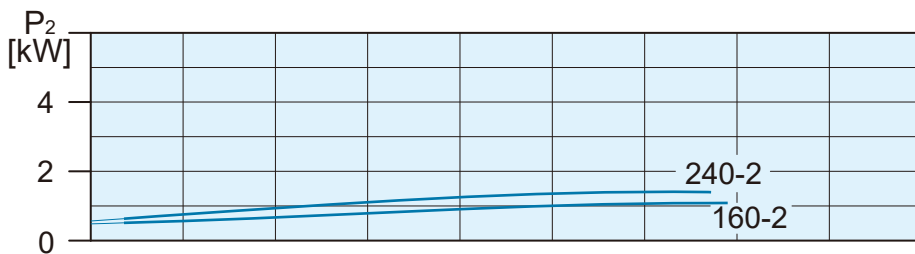
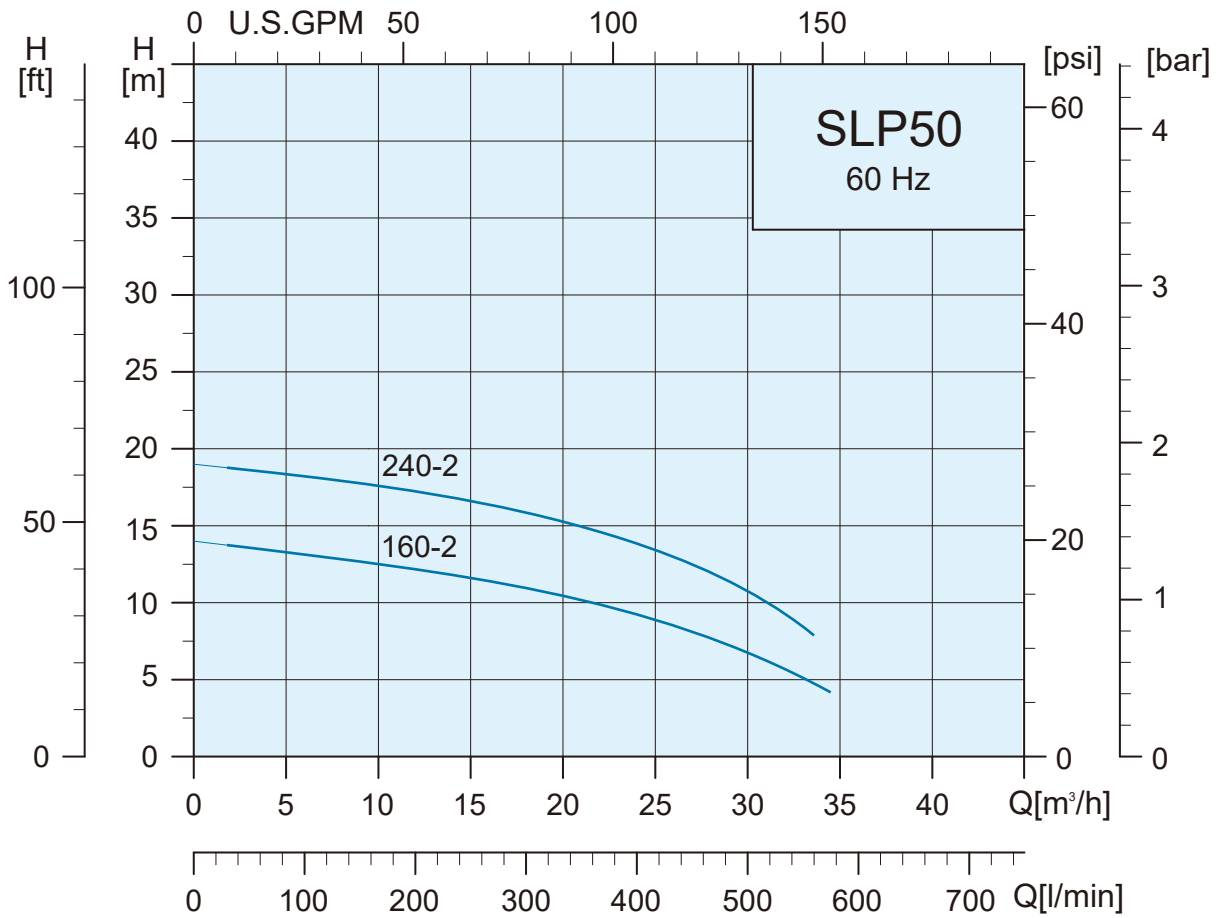
Model	Power		Head (Pressure)		Flow (Capacity)	Connection	T _{min} / T _{max}
	P ₂		Rated(m)	Max.(m)	Rated(m ³ /h)	Inlet / Outlet	°C
	kW	HP					
SLP 40-160-2	0.75	1.0	10.6	15.0	13.6	DN40	-25 / 120
SLP 40-240-2	1.1	1.5	15.8	19.0	13.4	DN40	-25 / 120
SLP 40-270-2	1.5	2.0	20.6	27.0	13.1	DN40	-25 / 120
SLP 40-330-2	2.2	3.0	23.0	35.0	14.6	DN40	-25 / 120
SLP 40-390-2	3.0	4.0	27.5	40.0	15.0	DN40	-25 / 120

Dimensions and Weights



Model	Series	Flange		Dimension (mm)												Net Weight (kg)
		DIN	JIS	D1	AC	AD	B1	B2	C1	C5	L1	H1	H2	H3	M	
SLP 40-160-2	200	PN 6/10	10K	40	141	115	76	76	80	125	250	67	148	448	M12	21
SLP 40-240-2	200	PN 6/10	10K	40	141	115	101	101	80	125	250	68	150	471	M12	26
SLP 40-270-2	200	PN 16	10K	40	177	141	101	101	120	160	320	68	156	521	M12	34
SLP 40-330-2	200	PN 16	10K	40	177	141	101	101	120	160	320	68	156	521	M12	38
SLP 40-390-2	200	PN 16	10K	40	197	147	101	101	120	160	320	68	166	552	M12	45

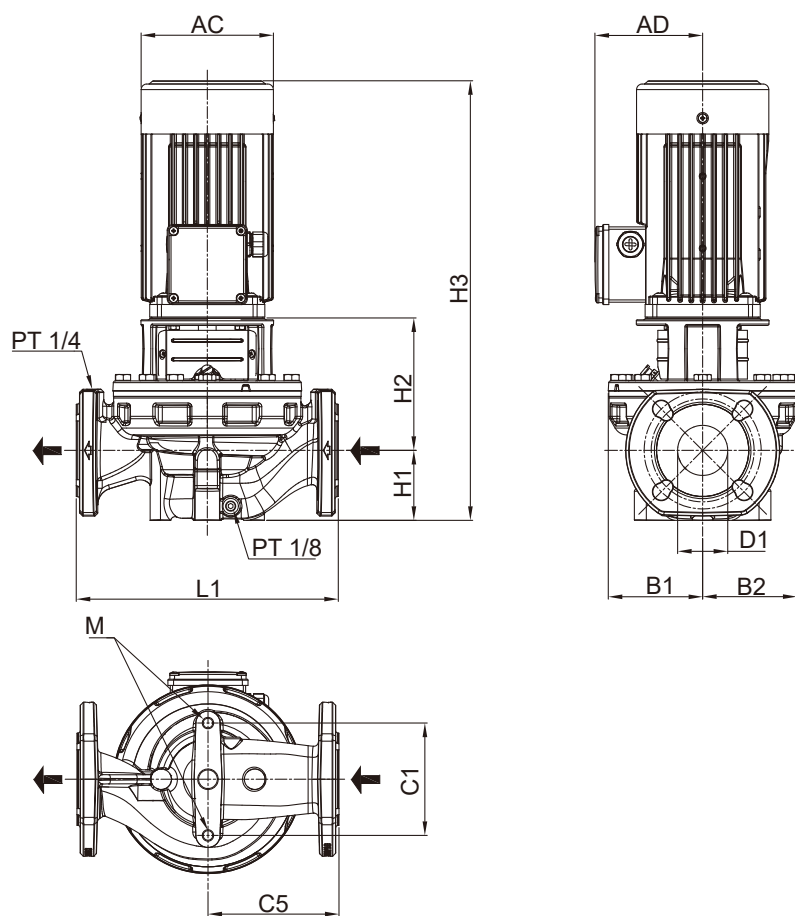
Performance Curves



Specifications

Model	Power		Head (Pressure)		Flow (Capacity)	Connection	T _{min} / T _{max}
	P ₂		Rated(m)	Max.(m)	Rated(m ³ /h)	Inlet / Outlet	°C
	kW	HP					
SLP 50-160-2	1.1	1.5	10.2	14.0	20.9	DN50	-25 / 120
SLP 50-240-2	1.5	2.0	14.6	19.0	22.0	DN50	-25 / 120

Dimensions and Weights



Model	Series	Flange		Dimension (mm)												Net Weight (kg)
		DIN	JIS	D1	AC	AD	B1	B2	C1	C5	L1	H1	H2	H3	M	
SLP 50-160-2	200	PN 6/10	10K	50	141	115	101	101	120	140	280	75	142	470	M12	28
SLP 50-240-2	200	PN 6/10	10K	50	177	141	101	101	120	140	280	75	151	523	M12	35



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