

Immersion Type Vertical St. Steel Multistage Pumps

YPL2 / YPL4 Series

Applications

- ◆ Machine Tool Coolant Systems
- ◆ Lubricant transportation
- ◆ Electric Spark Machines
- ◆ In HVAC Systems eg. Condensate water
- ◆ Industrial Washing Equipment
- ◆ Cooling Devices
- ◆ Processing Centres
- ◆ Filtering Systems
- ◆ Other situations that use immersion pump



YPL Series

Working Conditions

Transporting medium	Clean, thin non-explosive liquids
Fluid temperature range: Normal	Type -15°C ~ +70°C
Fluid temperature : Hot water	Type +70°C ~ +110°C
Ambient temperature range	-15°C ~ +40°C
Maximum working pressure	Upto 25 kg/cm ² g
Radial Suction	Radial Discharge
To avoid overload, pump must be operated within performance range	

Motor Specifications

Type	T.E.F.C - 2 Pole
Phase	Three phase
Speed	2900 rpm
Frequency	50 Hz
Three phase voltage	415 V (±5%)
Insulation class	F
Protection class	IP 55
Efficiency class	EFF 2
Duty	Continuous
Motor case	Aluminum alloy

Materials of Construction

Impeller, pump shaft, Diffusor assembly & guide plate	SS304
Elastomers	EPDM (Viton optional)
Shaft sealing : Mechanical Seal	Viton / TC / Carbon
Sleeve sealing	NBR O-rings
Special Mechanical Seals	Available on request

Features

- ◆ CE approved
- ◆ High quality
- ◆ Performance ISO 2548 °(20 C)
- ◆ High reliability
- ◆ Ease in operation
- ◆ Unique in design
- ◆ Energy efficient
- ◆ Aesthetic appeal

Model Ordering Code Instruction

YPL	-	2	-
Series	Flow	Stages x 10	
YPL - Immersion	2 2 m ³ /hr	30 3 stage	
Type Vertical	4 4 m ³ /hr	80 8 stage	
Multistage		120 12 stage	
Pump		220 22 stage	

WATER MANAGEMENT SYSTEM

Shah Pneumatics

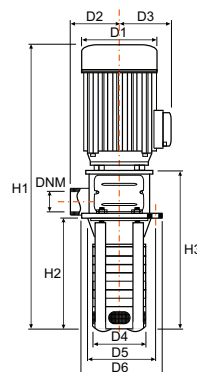
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Outline Diagram



Dimensions

Model	Dimensions (mm)										Weight Kg.
	H1	H2	H3	D1	D2	D3	D4	D5	D6	DNM	
YPL 2-30	514	118	279	140	99.5	105	111	160	180	38(G1½")	16
YPL 2-40	532	137	297	140	99.5	105	111	160	180	38(G1½")	16
YPL 2-50	550	155	315	140	99.5	105	111	160	180	38(G1½")	16
YPL 2-60	598	173	333	156.6	99.5	110	111	160	180	38(G1½")	18.5
YPL 2-70	616	191	351	156.6	99.5	110	111	160	180	38(G1½")	24
YPL 2-90	652	227	387	156.6	99.5	110	111	160	180	38(G1½")	26
YPL 2-110	688	263	423	156.6	99.5	110	111	160	180	38(G1½")	26
YPL 2-130	734	299	459	176.6	99.5	118	111	160	180	38(G1½")	31
YPL 2-150	770	335	495	176.6	99.5	118	111	160	180	38(G1½")	31
YPL 2-180	824	389	549	176.6	99.5	118	111	160	180	38(G1½")	34
YPL 2-220	896	461	621	176.6	99.5	118	111	160	180	38(G1½")	34
YPL 2-260	1028	533	703	196.6	99.5	135	111	160	180	38(G1½")	41
YPL 4-30	550	155	315	140	99.5	105	111	160	180	38(G1½")	22
YPL 4-40	607	192	342	156.6	99.5	110	111	160	180	38(G1½")	22
YPL 4-50	634	209	369	156.6	99.5	110	111	160	180	38(G1½")	24
YPL 4-60	661	236	396	156.6	99.5	110	111	160	180	38(G1½")	24
YPL 4-70	698	272	423	176.6	99.5	118	111	160	180	38(G1½")	24.4
YPL 4-80	725	290	450	176.6	99.5	118	111	160	180	38(G1½")	24.5
YPL 4-100	779	344	504	176.6	99.5	118	111	160	180	38(G1½")	30
YPL 4-120	833	398	558	176.6	99.5	118	111	160	180	38(G1½")	30
YPL 4-140	947	452	622	196.6	99.5	135	111	160	180	38(G1½")	38.5
YPL 4-160	1001	506	696	196.6	99.5	135	111	160	180	38(G1½")	38.5
YPL 4-190	1082	587	757	196.6	99.5	135	111	160	180	38(G1½")	45
YPL 4-220	1163	668	838	196.6	99.5	135	111	160	180	38(G1½")	45

Performance Data

Model	Power		Flow Capacity (m³/hr)	Head (mm)	Discharge Size mm (BSP)	Flow											
	kW	HP				m³/hr	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.0
						l/min	16.7	25	33.3	41.7	50	58.3	66.7	83.3	100	116.7	133.3
							Head										
YPL 2-30	0.37	0.5	2	21	38(G1½")	m	25	23	21	20	19	17	-	-	-	-	-
YPL 2-40	0.55	0.75	2	29	38(G1½")		32	30.5	29	28	25	21	-	-	-	-	-
YPL 2-50	0.55	0.75	2	38	38(G1½")		42	40	38	35	31	26	-	-	-	-	-
YPL 2-60	0.75	1.0	2	47	38(G1½")		52	50	47	43	38	34	-	-	-	-	-
YPL 2-70	0.75	1.0	2	55	38(G1½")		62	59	55	50	45	39.5	-	-	-	-	-
YPL 2-90	1.1	1.5	2	70	38(G1½")		79.5	75	70	65	57	48	-	-	-	-	-
YPL 2-110	1.1	1.5	2	85	38(G1½")		95	90	85	78	69	57	-	-	-	-	-
YPL 2-130	1.5	2.0	2	99	38(G1½")		112	106	99	90	80	70	-	-	-	-	-
YPL 2-150	1.5	2.0	2	115	38(G1½")		130	124	115	104	91	78	-	-	-	-	-
YPL 2-180	2.2	3.0	2	138	38(G1½")		155	148	138	125	109	92	-	-	-	-	-
YPL 2-220	2.2	3.0	2	160	38(G1½")		184	174	160	145	128	105	-	-	-	-	-
YPL 2-260	3.0	4	2	190	38(G1½")		215	204	190	172	150	120	-	-	-	-	-
YPL 4-30	0.55	0.75	4	23	38(G1½")		-	-	27	-	25	-	23	20.5	19	14	8.5
YPL 4-40	0.75	1.0	4	32	38(G1½")		-	-	37	-	35	-	32	29	25	18	10
YPL 4-50	1.1	1.5	4	39	38(G1½")		-	-	45	-	42	-	39	35	28	20	12
YPL 4-60	1.1	1.5	4	46	38(G1½")		-	-	53	-	50	-	46	40	34	25	15
YPL 4-70	1.5	2.0	4	54.5	38(G1½")		-	-	62	-	58.5	-	54.5	48	40	29.5	17
YPL 4-80	1.5	2.0	4	62	38(G1½")		-	-	70	-	67	-	62	56	47	35	20
YPL 4-100	2.2	3.0	4	74	38(G1½")		-	-	86	-	80	-	74	66	56	41.5	24
YPL 4-120	2.2	3.0	4	90.5	38(G1½")		-	-	105	-	98	-	90.5	80	68	50	28
YPL 4-140	3.0	4.0	4	108	38(G1½")		-	-	124	-	116	-	108	95	80	58	32
YPL 4-160	3.0	4.0	4	123	38(G1½")		-	-	141	-	134	-	123	109	90	68	36
YPL 4-190	4.0	5.5	4	148	38(G1½")		-	-	171.5	-	160	-	148	134	114.5	90	50
YPL 4-220	4.0	5.5	4	174	38(G1½")		-	-	198	-	187.5	-	174	156	134	105	68

CATALOGUE IMMERSION TYPE VERTICAL MULTISTAGE PUMPS - YPL



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Performance Curves

YPL2

YPL4

