

GLOBAL PUMP SOLUTION DOOCH

60Hz



IN-LINE CIRCULATION PUMP

DPX(L), DP, XQ-DP, NSQ-DP SERIES

DPX(L) SERIES

In-line turbine pump for hot water

DPX(L) 60Hz

IN-LINE TURBINE PUMP



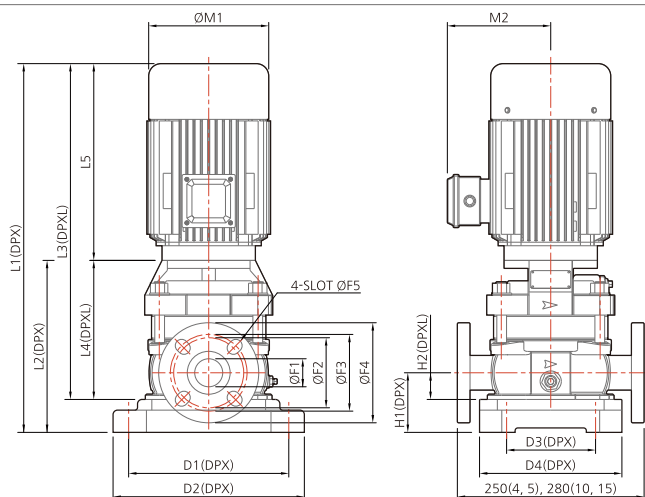
Feature

- Application of STS parts suitable for hot water circulation pump
- Obtained Korean water hygiene safety standards certification (KC) and high-efficiency equipment certification
- Reduce energy by turbine structure, High durability and beautiful design
- Shorten the distance for mounting pipe, Reduce noise/vibration

Main specification & Usage condition

No.	Category	Main specification & Usage condition	Remark
1	Inlet, Outlet size	32A(DPX(L)4,5), 40A(DPX(L)10,15)	Inlet and outlet sizes are same
2	Power spec.	0.55~2.2kW(0.75~3HP, 220/380V, 60Hz)	
3	Main parts	STS304, SSC13, GCD450	Mechanical seal is standard
4	Max. range	Pressure : 16bar, Q & H : 33m ³ /h, 38m	25bar(OPTION)
5	Available liquid type	Hot/Cold water, Heat exchange water, Glycol mixed water(~40%)	

Dimension



Model	Power		DPX								DPXL			FLANGE					MOTOR		
	kW	HP	L1	L2	D1	D2	D3	D4	H1	L3	L4	H2	F1	F2	F3	F4	F5	M1	M2	L5	
DPX(L)4-1M	0.55	0.75	444	220	180	215	100	160	75	406	182	38	32	85	105	140	19	158	143	224	
DPX(L)4-2AM	0.55	0.75	444	220	180	215	100	160	75	406	182	38	32	85	105	140	19	158	143	224	
DPX(L)5-1M	0.55	0.75	444	220	180	215	100	160	75	406	182	38	32	85	105	140	19	158	143	224	
DPX(L)5-2	0.55	0.75	444	220	180	215	100	160	75	406	182	38	32	85	105	140	19	158	143	224	
DPX(L)10-1	0.75	1	522	267	215	255	130	185	80	478	223	43	42	105	115	150	19	160	145	255	
DPX(L)10-2-1	1.1	1.5	522	267	215	255	130	185	80	478	223	43	42	105	115	150	19	160	145	255	
DPX(L)10-3-1	1.5	2	577	290	215	255	130	185	80	540	253	43	42	105	115	150	19	180	155	287	
DPX(L)15-1B	1.1	1.5	545	290	215	255	130	185	80	508	253	43	42	105	115	150	19	160	145	255	
DPX(L)15-1	1.5	2	577	290	215	255	130	185	80	540	253	43	42	105	115	150	19	180	155	287	
DPX(L)15-2-1B	2.2	3	585	290	215	255	130	185	80	548	253	43	42	105	115	150	19	180	155	295	

Notice | "M" is omitted from the model name for the 3-phase 380V power input models.

Definition of Model

DPX(L) 4 - 2 A M

Single phase, 220V
(Without M, 3-phase)
Impeller cutting applied
The number of impellers
Rated capacity (m³/h)

Pump type : In-line turbine pump for hot water
DPX : Pump head, Cast-iron casing
DPXL : Pump head, Stainless steel casing

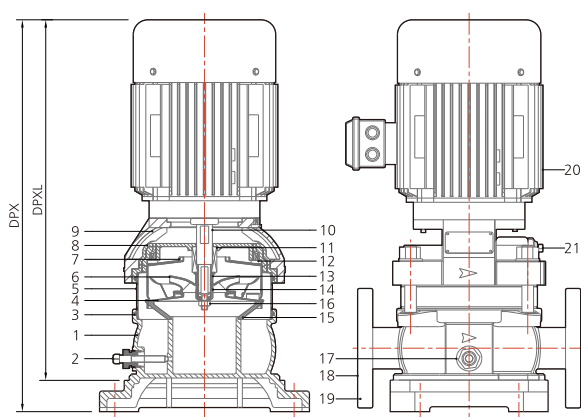
Application

- All applications for hot water such as hot-water circulation, convection, etc.
- Package type for heat exchanger circulation
- Circulation of cooling and heating for cold & hot water
- Heating circulation in houses, small villas, etc
- Cooling tower, Pressurisation, Condensed water system

Model Description

NO.	Model	Power (kW)	Remark	NO.	Model	Power (kW)	Remark
1	DPX(L)4-1M	0.55	1 Phase, 3 Phase	6	DPX(L)10-2-1	1.1	3 Phase
2	DPX(L)4-2AM	0.55		7	DPX(L)10-3-1	1.5	
3	DPX(L)5-1M	0.55	3 Phase	8	DPX(L)15-1B	1.1	
4	DPX(L)5-2	0.55		9	DPX(L)15-1	1.5	
5	DPX(L)10-1	0.75		10	DPX(L)15-2-1B	2.2	

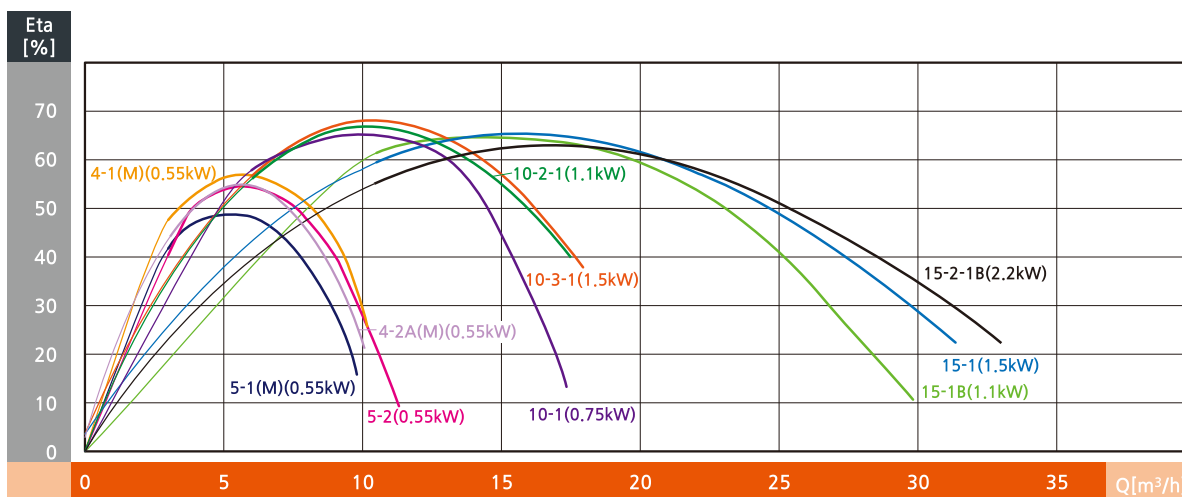
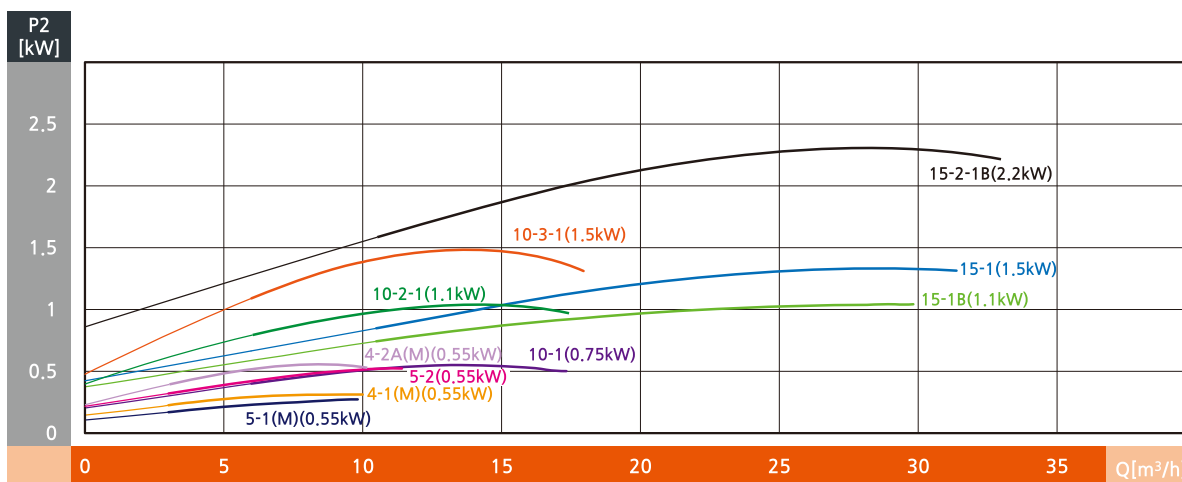
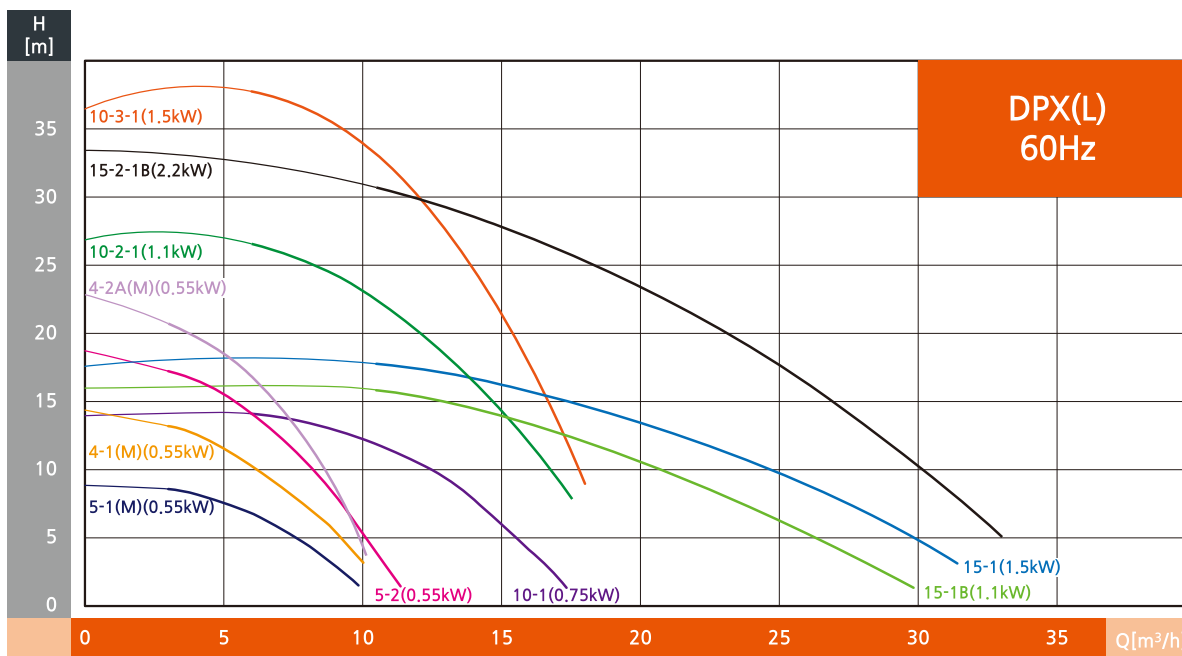
Product structure



Notice | Base plate is not included in DPXL series. (Optional)

NO.	Part name	Material	NO.	Part name	Material
1	In/Outlet casing	SSC13(DPXL)	11	Mechanical Seal	SIC/CARBON/VITON
		GC250(DPX)	12	Rubber buffer	PTFE
2	Drain	STS304	13	Spacer bushing	STS304
3	O-ring	EPDM	14	Conical Ring	SSC13
4	Inlet diffuser	STS304	15	Diffuser sheet	SSC13
5	Cylinder	STS304	16	Rock washer, Nut	STS304
6	Impeller	STS304	17	Drain	STS304
7	Outlet diffuser	STS304	18	Rotary type flange	GCD500
8	Upper casing	SSC13(DPXL)	19	Flange snap ring	STS304
9	Bracket	GCD450	20	Motor	-
10	Shaft	STS304	21	Air cock	STS304

Performance curve



Notice | "M" is omitted from the model name for the 3-phase 380V power input models.