

JPD Series

Submersible Dewatering Pump



- 1.A combination of EFFICIENT and DURABILITY contribute to the RELIABILITY for the range of submersible dewatering pumps.
- 2.These pumps are excellent in performance with the unique design feature which will improve the overall efficiency and the special constructed design will increase the durability as well.
- 3.The special semi-open impeller design will further improve the pumping efficiency and the choice of using high chrome alloy to match with the ductile iron wear plate in order to achieve superior durability.
- 4.The effective motor cooling method with the design of discharge channel going through the motor housing increases the durability as well.
- 5.The top discharge outlet will provide more flexibility and user friendly feature.
- 6.The high pressure resistant (up to 5 bar) of the mechanical seal will greatly increases the maximum submersion depth.
- 7.We provides a wide range of selection pump sizes from 50mm(2") up to 150mm (6") discharge port size.
- 8.The motor power size range from 1.5kW (2HP) up to 15kW (20HP), all motor designed to hermatically sealed and equipped with built-in thermal protection feature.

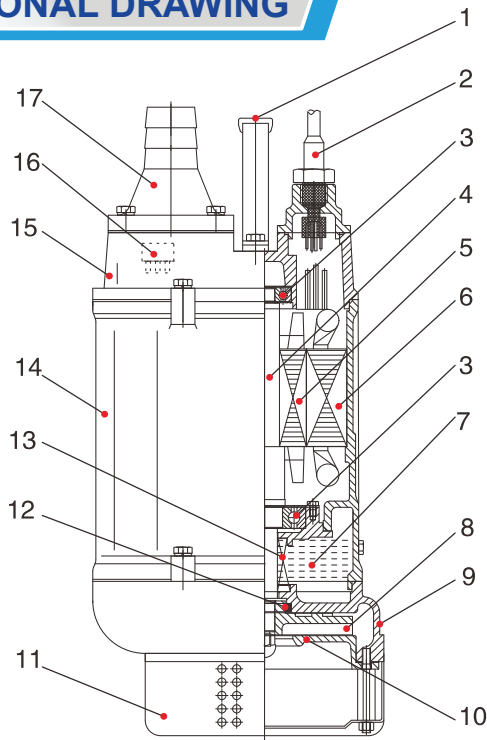
Specification

Capacity : up to 160m³/hr
 Head : up to 57 meters
 Power : 1.5Kw (2HP) to 15Kw (20HP)
 Power supply : 3PH 415V 50HZ, 440V 60HZ
 Insulation class : F
 Protection class : IP68
 Cable : Length 8m
 Water temperature : up to 40°C
 Max.water depth : 25m

Application

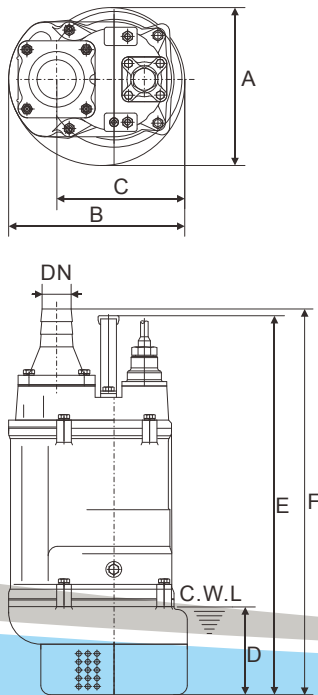
Constrution sites	Stone cutting
Sewage by-pass	Irrigations
Infrastructure	Open quarries
Tunneling	Rescue pumping
Flood control	Fire fighting
Dredging	

SECTIONAL DRAWING



Item No	A	B
1	Handle	Rubber & steel
2	Cable	2PNCT-F
3	Bearing	Ball Bearing
4	Shaft	AISI420SS
5	Rotor	Shaft : AISI420SS
6	Stator	-
7	Lube oil	-
8	Impeller	High chrome alloy or ductile iron
9	Pump body	Cast iron
10	End Plate	Ductile iron
11	Filter	Steel
12	Oil seal bracket	-
13	Mechanical seal	Sic-sic / Sic-sic
14	Motor body	Cast iron
15	Upper cover	Cast iron
16	Motor protector	-
17	Hose coupling	Cast iron

DIMENSIONS

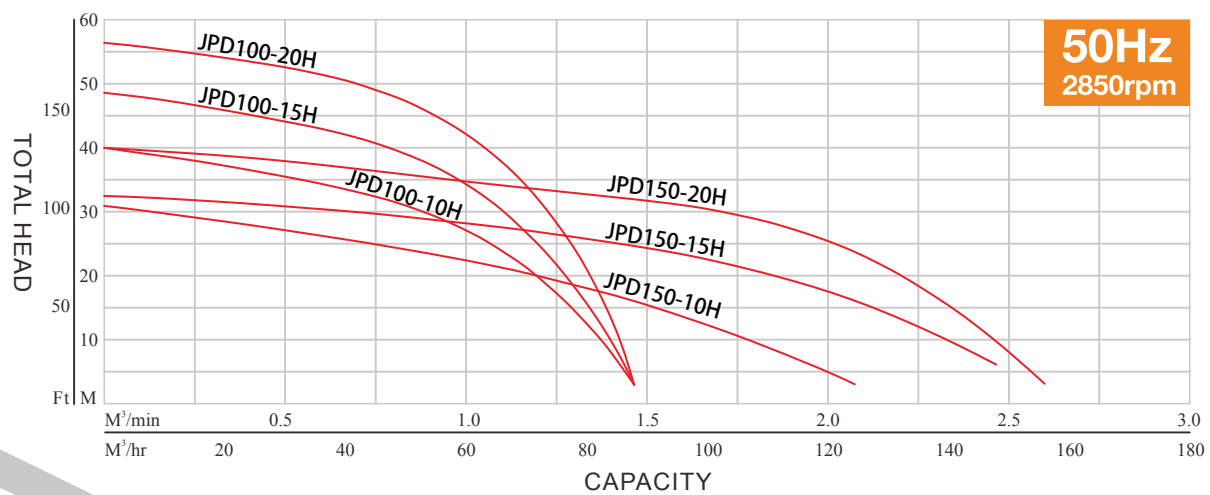
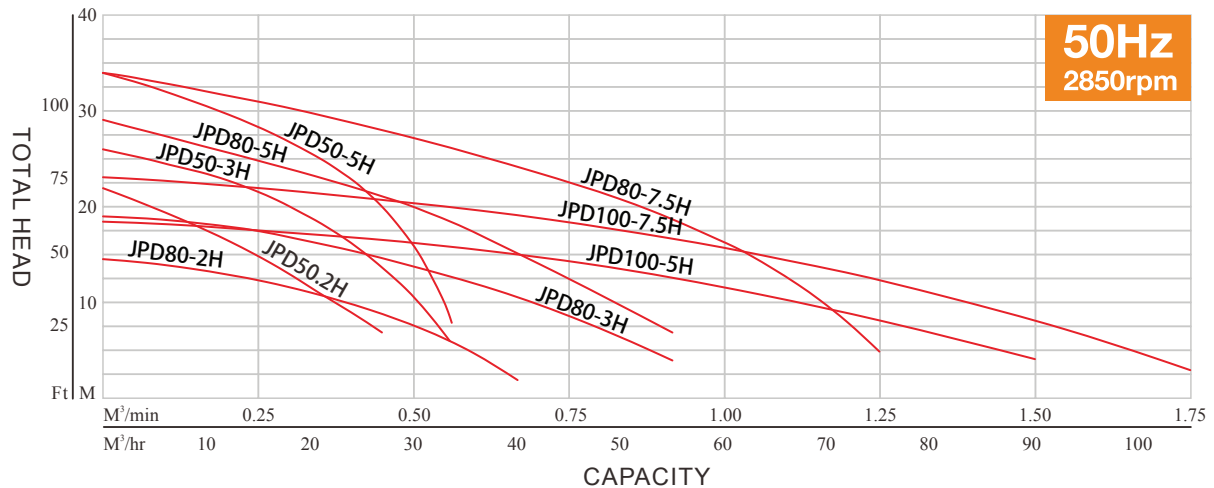


Unit:mm

TYPE	DN	A	B	C	D	E	F
JPD50-2H	50	216	235	173	120	505	535
JPD80-2H	80	216	235	173	120	505	535
JPD50-3H	50	216	235	173	120	505	535
JPD80-3H	80	216	235	173	120	505	535
JPD50-5H	50	252	283	208	150	629	628
JPD80-5H	80	252	283	208	150	629	628
JPD100-5H	100	252	283	208	150	629	642
JPD80-7.5H	80	252	283	208	150	590	671
JPD100-7.5H	100	252	283	208	150	590	686
JPD100-10H	100	314	330	240	190	676	764
JPD150-10H	150	314	330	240	190	676	490
JPD100-15H	100	350	373	255	190	695	807
JPD150-15H	150	350	373	255	190	695	807
JPD100-20H	100	350	373	255	190	755	842
JPD150-20H	150	350	373	255	190	755	842

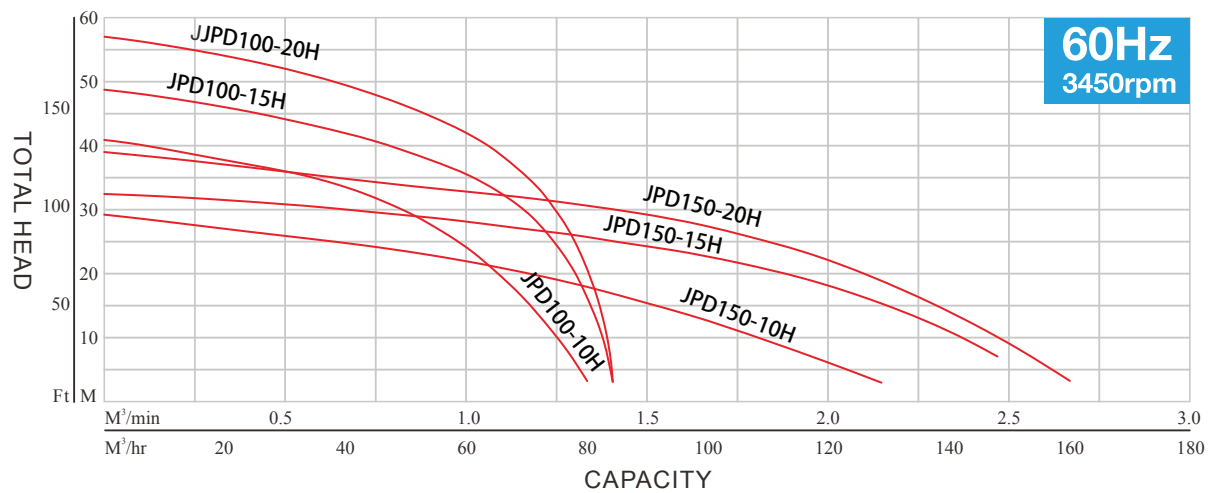
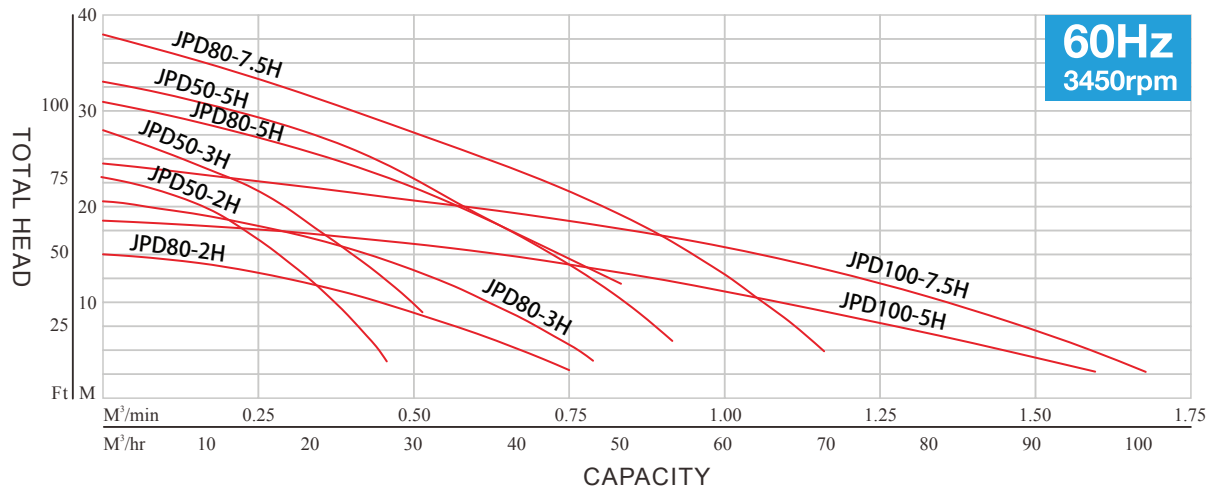


PERFORMANCE CURVES



Type	Frequency	Phase	Power		Caliber		Max. Head	Max. Flow		N.W	G.W	Solid Passage	Packing Dimension
TYPE	Hz	PH	HP	KW	Inch	mm	M	M ³ /min	M ³ /hr	KG	KG	mm	mm
JPD50-2H	50	3Ø	2	1.5	2"	50	22	0.45	27	36	40	8.5	610X265X265
JPD80-2H	50	3Ø	2	1.5	3"	80	14.5	0.67	40.2	36	40	8.5	610X265X265
JPD50-3H	50	3Ø	3	2.2	2"	50	26	0.55	33	39	43	8.5	61X265X265
JPD80-3H	50	3Ø	3	2.2	3"	80	19	0.92	55.2	39	43	8.5	610X265X265
JPD50-5H	50	3Ø	5	3.7	2"	50	34	0.55	33	63	68	8.5	710X320X295
JPD80-5H	50	3Ø	5	3.7	3"	80	29	0.92	55.2	63	68	8.5	710X320X295
JPD100-5H	50	3Ø	5	3.7	4"	100	18.5	1.50	90	63	68	8.5	710X320X295
JPD80-7.5H	50	3Ø	7.5	5.5	3"	80	34	1.25	75	77	84	8.5	750X350X360
JPD100-7.5H	50	3Ø	7.5	5.5	4"	100	23	1.75	105	77	84	8.5	750X350X360
JPD100-10H	50	3Ø	10	7.5	4"	100	40	1.40	84	106	116	11.5	835X365X385
JPD150-10H	50	3Ø	10	7.5	6"	150	31	2.08	124.8	108	119	19.5	865X365X385
JPD100-15H	50	3Ø	15	11	4"	100	48.5	1.40	84	136	148	11.5	885X415X435
JPD150-15H	50	3Ø	15	11	6"	150	32	2.45	147	139	150	19.5	885X415X435
JPD100-20H	50	3Ø	20	15	4"	100	56	1.40	84	144	158	11.5	935X415X435
JPD150-20H	50	3Ø	20	15	6"	150	40	2.60	156	146	160	19.5	935X415X435

PERFORMANCE CURVES



Type	Frequency	Phase	Power		Caliber		Max. Head	Max. Flow		N.W	G.W	Solid Passage	Packing Dimension
TYPE	Hz	PH	HP	KW	Inch	mm	M	M³/min	M³/hr	KG	KG	mm	mm
JPD50-2H	60	3Ø	2	1.5	2"	50	23	0.45	27	36	40	8.5	610X265X265
JPD80-2H	60	3Ø	2	1.5	3"	80	15	0.75	45	36	40	8.5	610X265X265
JPD50-3H	60	3Ø	3	2.2	2"	50	28	0.52	31.2	39	43	8.5	61X265X265
JPD80-3H	60	3Ø	3	2.2	3"	80	20.5	0.78	46.8	39	43	8.5	610X265X265
JPD50-5H	60	3Ø	5	3.7	2"	50	33	0.83	49.8	63	68	8.5	710X320X295
JPD80-5H	60	3Ø	5	3.7	3"	80	31	0.92	55.2	63	68	8.5	710X320X295
JPD100-5H	60	3Ø	5	3.7	4"	100	18.5	1.60	96	63	68	8.5	710X320X295
JPD80-7.5H	60	3Ø	7.5	5.5	3"	80	38	1.15	69	77	84	8.5	750X350X360
JPD100-7.5H	60	3Ø	7.5	5.5	4"	100	24.4	1.70	102	77	84	8.5	750X350X360
JPD100-10H	60	3Ø	10	7.5	4"	100	41	1.33	79.8	106	116	11.5	835X365X385
JPD150-10H	60	3Ø	10	7.5	6"	150	31	2.12	127.2	108	119	19.5	865X365X385
JPD100-15H	60	3Ø	15	11	4"	100	48.5	1.40	84	136	148	11.5	885X415X435
JPD150-15H	60	3Ø	15	11	6"	150	32	2.45	147	139	150	19.5	885X415X435
JPD100-20H	60	3Ø	20	15	4"	100	57	1.40	84	144	158	11.5	935X415X435
JPD150-20H	60	3Ø	20	15	6"	150	39	2.67	160.2	146	160	19.5	935X415X435

JPD Series

Submersible Dewatering Pump



- 1.A combination of EFFICIENT and DURABILITY contribute to the RELIABILITY for the range of submersible dewatering pumps.
- 2.These pumps are excellent in performance with the unique design feature which will improve the overall efficiency and the special constructed design will increase the durability as well.
- 3.The body of motor and pump are made of rigid cast iron for long-lasting durability. Greatly increased maximum submersion depth due to double mechanical seal resistant to high pressure.
- 4.Hydraulic part under the motor and motor is cooled by the pumped water for safe operation with the pump only partially immersed. Space economy by a top outlet.
- 5.Hermetically sealed motor equipped.
- 6.Discharge 100mm (4") to 200mm (8"), motor 22kW(30HP) to 45kW(60HP). Motor is dry type submersible induction motor (2pole).

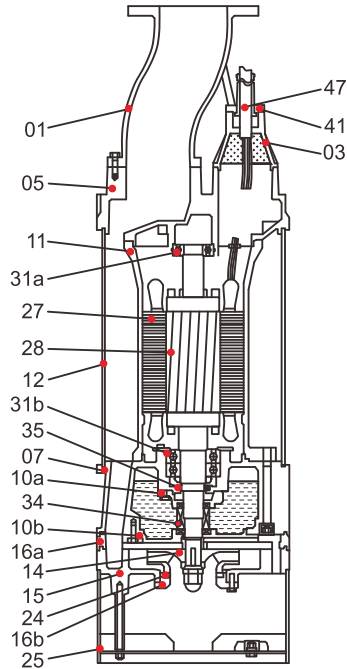
Specification

Capacity : Up to 372m³/hr
Head : up to 90 meters
Power : 22Kw (30HP) to 45Kw (60HP)
Power supply : 3PH 415V 50HZ, 440V 60HZ
Insulation class : F
Protection class : IP68
Cable : Length 20m
Water temperature : up to 40°C
Max.water depth : 30m

Application

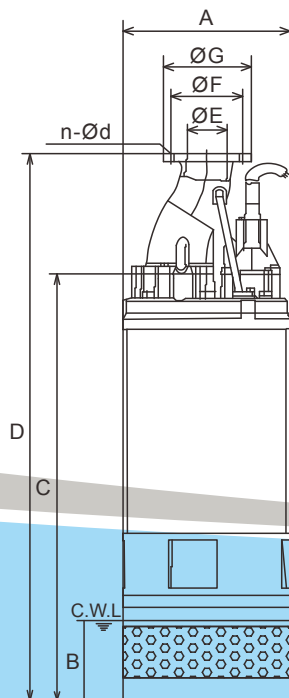
Construction sites	Stone cutting
Sewage by-pass	Irrigations
Infrastructure	Open quarries
Tunneling	Rescue pumping
Flood control	Fire fighting
Dredging	

SECTIONAL DRAWING



Item No	A	B
1	Hose coupling	Ductile iron
3	Terminal box	Cast iron
5	Upper cover	Cast iron
7	Bearing house	Cast iron
10a	Seal bracket	Cast iron
10b	Seal bracket	Cast iron
11	Motor body	Cast iron
12	Outer casing	Steel
14	Impeller	High chrome alloy
15	Diffuser	Ductile iron
16a	Inlet plate	Ductile iron
16b	Inlet plate	Cast iron
24	Neck ring	High chrome alloy
25	Strainer	AISI304SS
27	Stator	-
28	Rotor	Shaft : AISI420SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
34	Mech seal	Tc-Sic / Sic-Sic
35	Oil seal	-
41	Shim	Cast iron
47	Cable	-

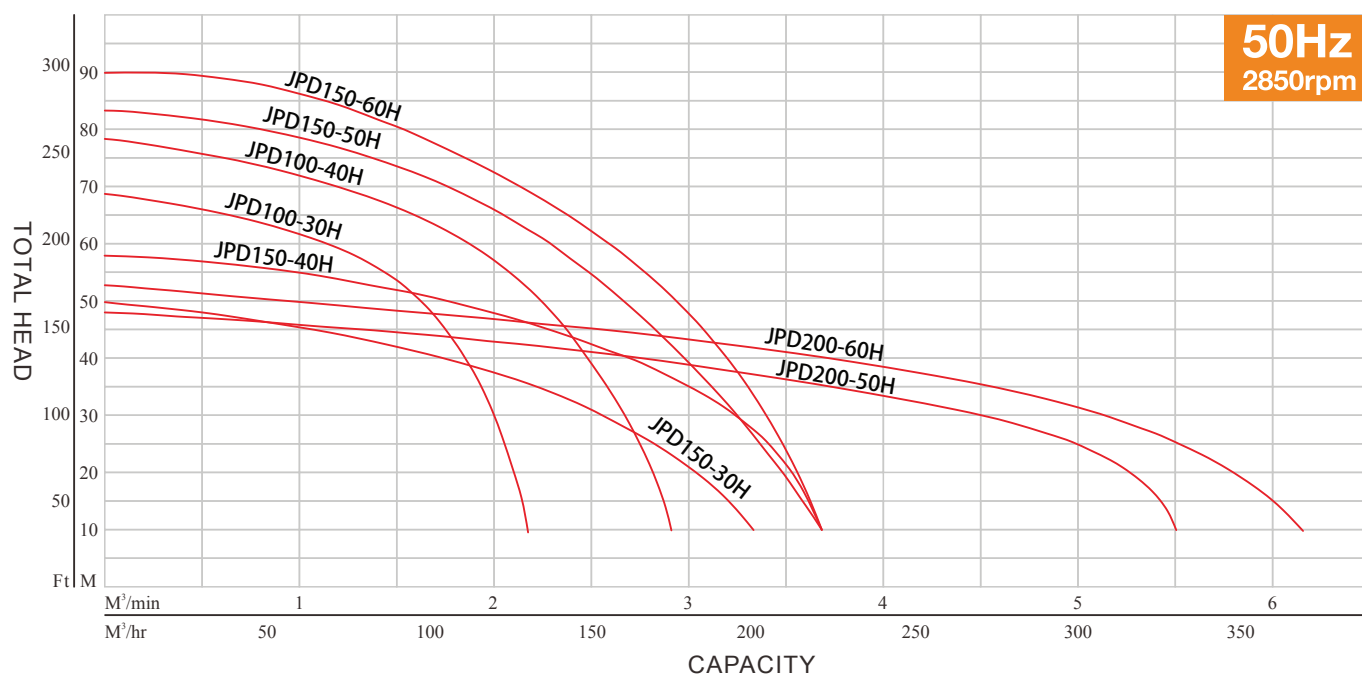
DIMENSIONS



Unit:mm

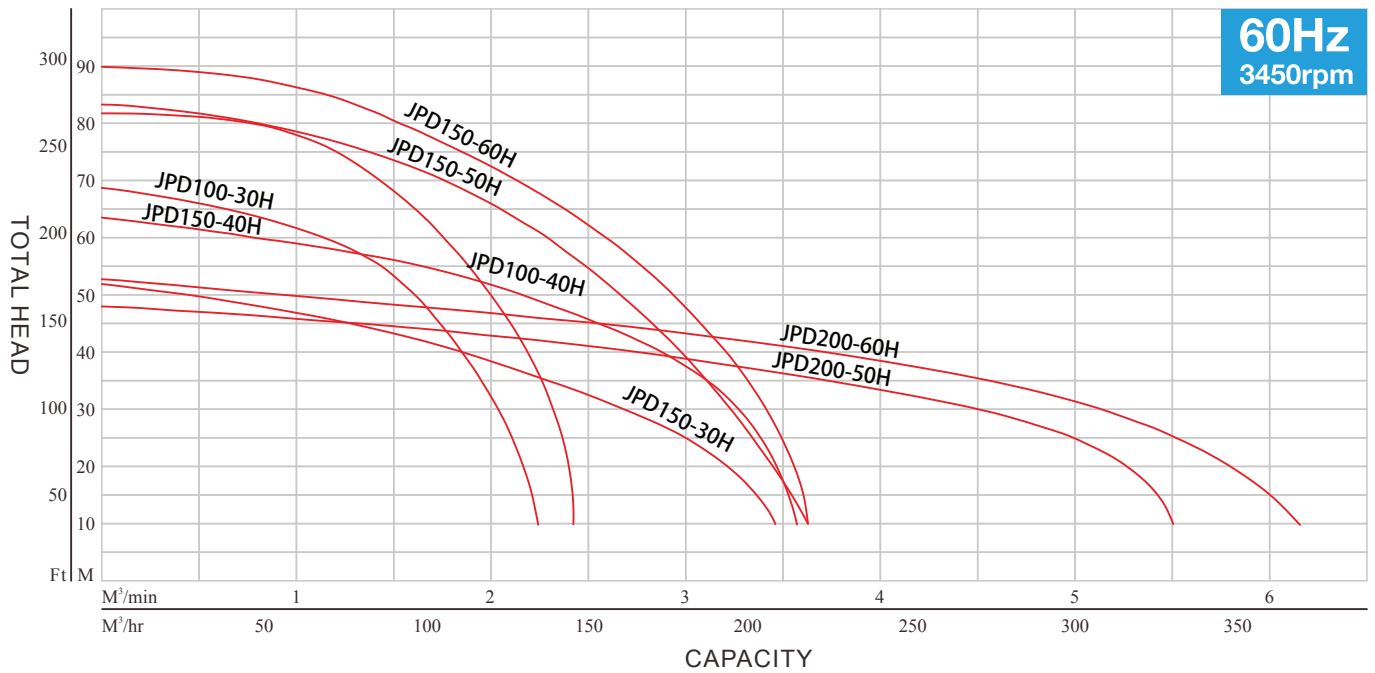
TYPE	A	B	C	D	ØE	ØF	ØG	n-Ød
JPD100-30H	420	240	1072	1374	100	180	220	8-Ø17.5
JPD150-30H	420	250	1082	1434	150	240	285	8-Ø22
JPD100-40H	420	240	1072	1434	100	180	220	8-Ø17.5
JPD150-40H	420	250	1082	1434	150	240	285	8-Ø22
JPD150-50H	530	180	1072	1424	150	240	285	8-Ø22
JPD200-50H	530	180	1072	1474	200	295	340	8-Ø22
JPD150-60H	530	180	1072	1424	150	240	285	8-Ø22
JPD200-60H	530	180	1072	1474	200	295	340	8-Ø22

PERFORMANCE CURVES



Type	Frequency	Phase	Power		Caliber		Max. Head	Max. Flow		N.W	G.W	Solid Passage	Packing Dimension
TYPE	Hz	PH	HP	KW	Inch	mm	M	M³/min	M³/hr	KG	KG	mm	mm
JPD100-30H	50	3Ø	30	22	4"	100	68	2.17	130.2	370	410	6	620X740X1540
JPD150-30H	50	3Ø	30	22	6"	150	50	3.33	199.8	385	425	15	620X740X1600
JPD100-40H	50	3Ø	40	30	4"	100	78	2.83	169.8	375	415	6	620X740X1540
JPD150-40H	50	3Ø	40	30	6"	150	58	3.67	220.2	390	430	15	620X740X1600
JPD150-50H	50	3Ø	50	37	6"	150	83	3.67	220.2	570	615	6	680X740X1650
JPD200-50H	50	3Ø	50	37	8"	200	48	5.50	330	575	625	20	680X740X1700
JPD150-60H	50	3Ø	60	45	6"	150	90	3.67	220.2	575	620	6	680X740X1650
JPD200-60H	50	3Ø	60	45	8"	200	53	6.20	372	580	630	20	680X740X1700

PERFORMANCE CURVES



Type	Frequency	Phase	Power		Caliber		Max. Head	Max. Flow		N.W	G.W	Solid Passage	Packing Dimension
TYPE	Hz	PH	HP	KW	Inch	mm	M	M ³ /min	M ³ /hr	KG	KG	mm	mm
JPD100-30H	60	3Ø	30	22	4"	100	68	2.30	138	370	410	6	620X740X1540
JPD150-30H	60	3Ø	30	22	6"	150	52	3.50	210	385	425	15	620X740X1600
JPD100-40H	60	3Ø	40	30	4"	100	82	2.40	144	375	415	6	620X740X1540
JPD150-40H	60	3Ø	40	30	6"	150	64	3.60	216	390	430	15	620X740X1600
JPD150-50H	60	3Ø	50	37	6"	150	83	3.67	220.2	570	615	6	680X740X1650
JPD200-50H	60	3Ø	50	37	8"	200	48	5.50	330	575	625	20	680X740X1700
JPD150-60H	60	3Ø	60	45	6"	150	90	3.67	220.2	575	620	6	680X740X1650
JPD200-60H	60	3Ø	60	45	8"	200	53	6.20	372	580	630	20	680X740X1700