

INOX SUBMERSIBLES (I) PVT. LTD.

STAINLESS STEEL
SUBMERSIBLE
PUMPS

ISP SERIES
50 Hz



Pumping
Ground water
Worldwide



* For Specific Models

AN ISO 9001 COMPANY

INOX
PUMPS

COMPANY PROFILE

Incorporated in 1999, with experience of more than 20 years in the field of engineering Formely know as Jayesh Plastic & Tools Pvt Ltd, Inox Pumps later changed name to INOX SUBMERSIBLES (I) PVT. LTD in 2016 after specializing experience in Water pumping field .

Is one of the leading manufacturer of Submersible Pumps & Pump Spare Parts such as Rubber Molded Parts, Plastic Molded Parts, Broaching, CNC Turned Components, VMC Machined Components, Sheet metal cutting & Embossing parts, Motor stamping & lamination for various well-reputed Submersible Pump OEM's all over India.

We produce almost everything "under the Sun" in the SS FABRICATED SUBMERSIBLE PUMP segment ranging from "Designing and developing Tools" to "NEMA Standard Couplings and Collate".

We specialize in developing prototypes as per client's specifications.

We are also leading suppliers and stockiest for ferrous & Non-ferrous metal as in Stainless Steel sheets, plates, coils, flats, strips, pipe & pipe fittings, Flanges, Bars, Mild steel, Carbon steel, Die steel, High Nickle Alloys, Aluminium, Copper, Brass, Titanium, fasteners & Hardware, Electrical Accessories, etc.

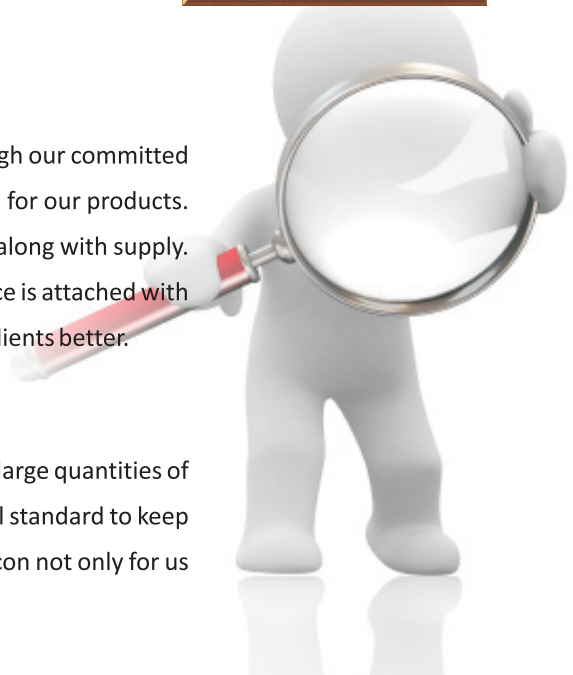
QUALITY POLICY

OUR EXCELLENCE...

Quality is our prime concern. We are able to maintain high quality standards through our committed personnel and sound infrastructure. We ensure that finest quality material is used for our products. To ensure the quality of each material, we are providing Materials Test Certificate along with supply. Our team of experts maintain a vigil on the quality of the products. Every single piece is attached with test certificates and reports. We are continually improving our quality to serve our clients better.

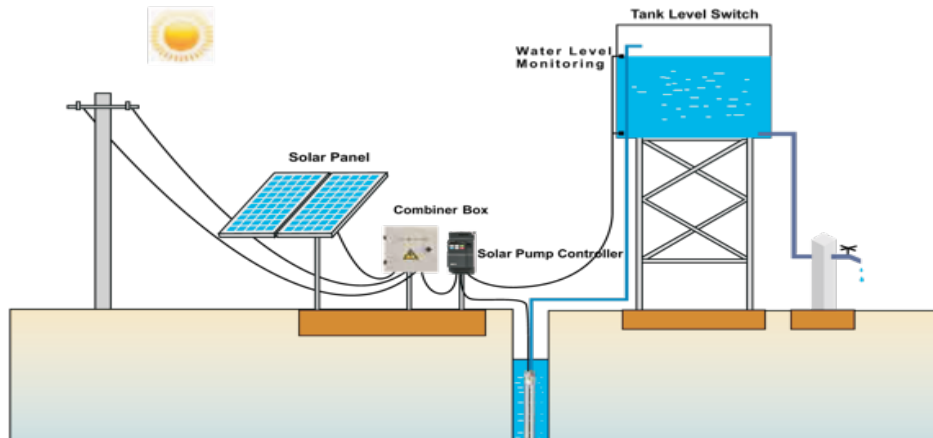
OUR FACILITIES...

We have a sound infrastructure. Our spacious warehouse has the capacity to store large quantities of products. We possess a team of experts who are sourcing products of international standard to keep abreast with the global markets. Our qualified professionals have served as a beacon not only for us but also for the entire industry in establishing top-notch quality standards.



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GENERAL DATA



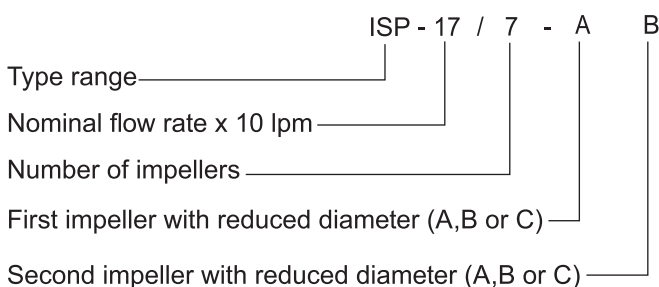
APPLICATIONS

The pumps are suitable for the following applications :

- Raw water supply
- Irrigation systems
- Groundwater lowering
- Pressure boosting
- Industrial applications

TYPE KEY

Example



PUMPED LIQUIDS

Clean, thin, non-aggressive liquids without solid particles or fibres.

OPERATING CONDITIONS

Flow rate, Q : 0.1 - 280 m³ /h.

Head, H: Maximum 670m.

Maximum Liquid Temperature:

Motor	Installation		
	Flow velocity-past motor	Vertical	Horizontal
INOX 3",4",6" & 8"	0.15 m/s	40°C	40°C

Operating pressure: Maximum 0.67m (67 bar)

CURVE CONDITIONS

The conditions below apply to the curves shown on the following pages :

GENERAL

- Curve tolerance according to ISO 9906, Annex A.
- The performance curves show pump performance at actual speed cf. standard motor range.
The speed of the motors is approximately :
 - 3" motors : n=2850 min⁻¹
 - 4" motors : n=2870 min⁻¹
 - 6" motors : n=2870 min⁻¹
 - 8" to 12" motors : n=2900 min⁻¹
- The measurements were made with airless water at a temperature of 20°C. The curves apply to a kinematic viscosity of 1mm²/s. When pumping liquids with a density higher than that of water, motors with correspondingly higher outputs must be used.
- The bold curves indicate the recommended performance range.
- The performance curves are inclusive of possible losses such as non-return valve loss.

ISP-2, ISP-3, ISP-5, ISP-8, ISP-9, ISP-14 CURVE

- **Q/H** : The curves are inclusive of valve and inlet losses at the actual speed.
- **Power Curve** : BPkW/Stage shows pump power input per stage.
- **Efficiency Curve** : Efficiency shows pump stage efficiency.

ISP-10, ISP-12, ISP-17, ISP-30, ISP-46, ISP-60, ISP-77, ISP-95, ISP-125, ISP-160 CURVE

- **Q/H** : The curves are inclusive of valve and inlet losses at the actual speed.
Operation without non-return valve will increase the actual head at nominal performance by 0.5 to 1.0 m.
- **NPSH** The curve is inclusive of suction case and shows required inlet pressure.
- **Power Curve**: It shows pump power input at the actual speed for each individual pump size.
- **Efficiency Curve** : Efficiency shows pump stage efficiency.

KEY FEATURE

FEATURES AND BENEFITS

A WIDE PUMP RANGE

We offers submersible pumps with energy efficient duty 3 points ranging from 0.1 to 335 m /h. The pump range consists of many pump sizes and each pump size is available with an optional number of stages to match any duty point.

HIGH PUMPS EFFICIENCY

Often pump efficiency is a neglected factor compared to the price however, the observant user will notice that price variations are without importance to water supply economics compared to the importance of pump and motor efficiencies.

EXAMPLE:

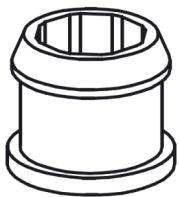
3 When pumping 125 m /h with a head of 200m for a period of 10 years \$ 60,000 will be saved if a pumps and motors having a 10% higher efficiency is chosen and the price is \$ 0.10 per kWh.

APPLICATIONS

We offers a complete range of pumps and motors which as a standard are made completely of stainless steel AISI - 304. This provides for good wear resistance and a reduced risk of corrosion when pumping ordinary cold water with a minor content of chloride.

LOW INSTALLATION COSTS

Stainless steel means low weight facilitating the handling of pumps and resulting in low equipment costs and reduced installation and service time. In addition pumps will be as new after service due to the high wear resistance of stainless steel.



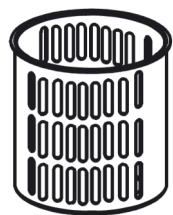
BEARINGS WITH SAND CHANNELS

All bearings are water lubricated and have a square shape enabling sand particles if any to leave the pump together with the pumped.



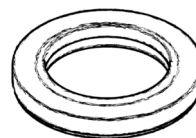
RAW MATERIAL

Manufacturing all parts - Diffusers, impellers, suction case, discharge case of AISI 304/3016 grade providing maximum strength, Durability, Wear/Tear & Corrosion resistance



INLET STRAINER

The inlet strainer prevents particles over a certain size from entering the pump

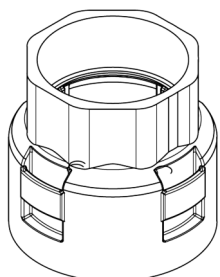


RUBBER RAW MATERIAL

Rubber used for wearings / Bushes / seals are high Nitrile for long life and proper lubrication.

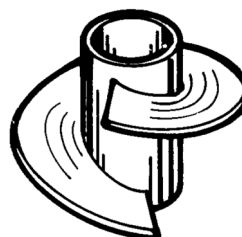
NON RETURN VALVE

All pumps are equipped with a reliable non-returnable valve in the valve casing preventing back flow in connection with pump stoppage. Further more the short closing time of NRV means that the risk of destructive water hammer is reduced to a minimum. The valve casing is designed for optimum hydraulic properties to minimize the pressure loss across the valve and thus contributes to the high efficiency of the pump.

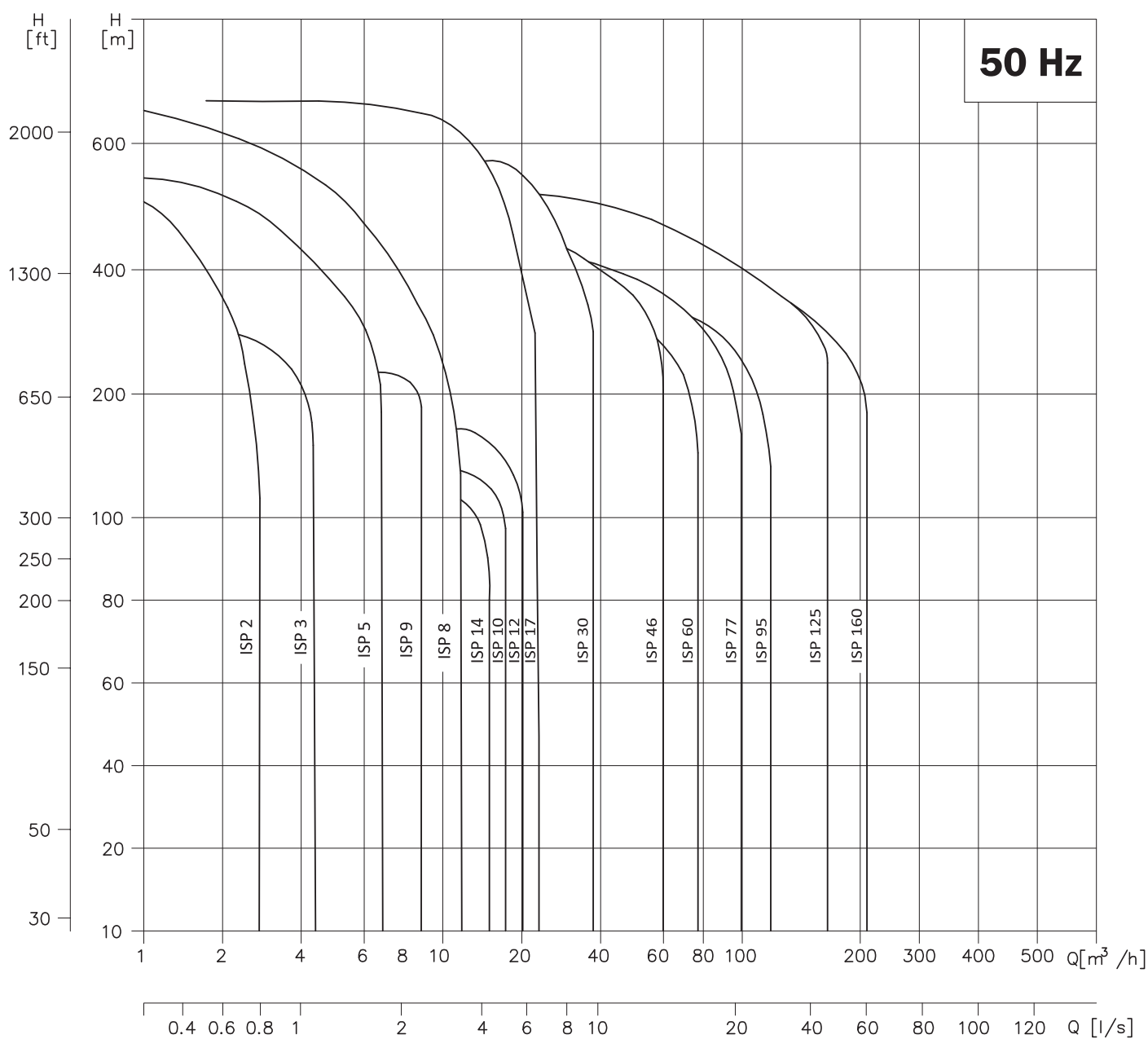


PRIMING SCREW

All 4" & Sx-17 pumps are fitted with a priming screw. consequently dry running is prevented because the priming screw will make sure that pump bearing are always lubricated. Due to semi-axial impellers of large sx pumps (except for sx-17) this priming is automatically provided. however it applies to all pump types that if water tables is lowered to a level below the pump inlet neither pump nor motor will be protected against dry running



GROUP PERFORMANCE



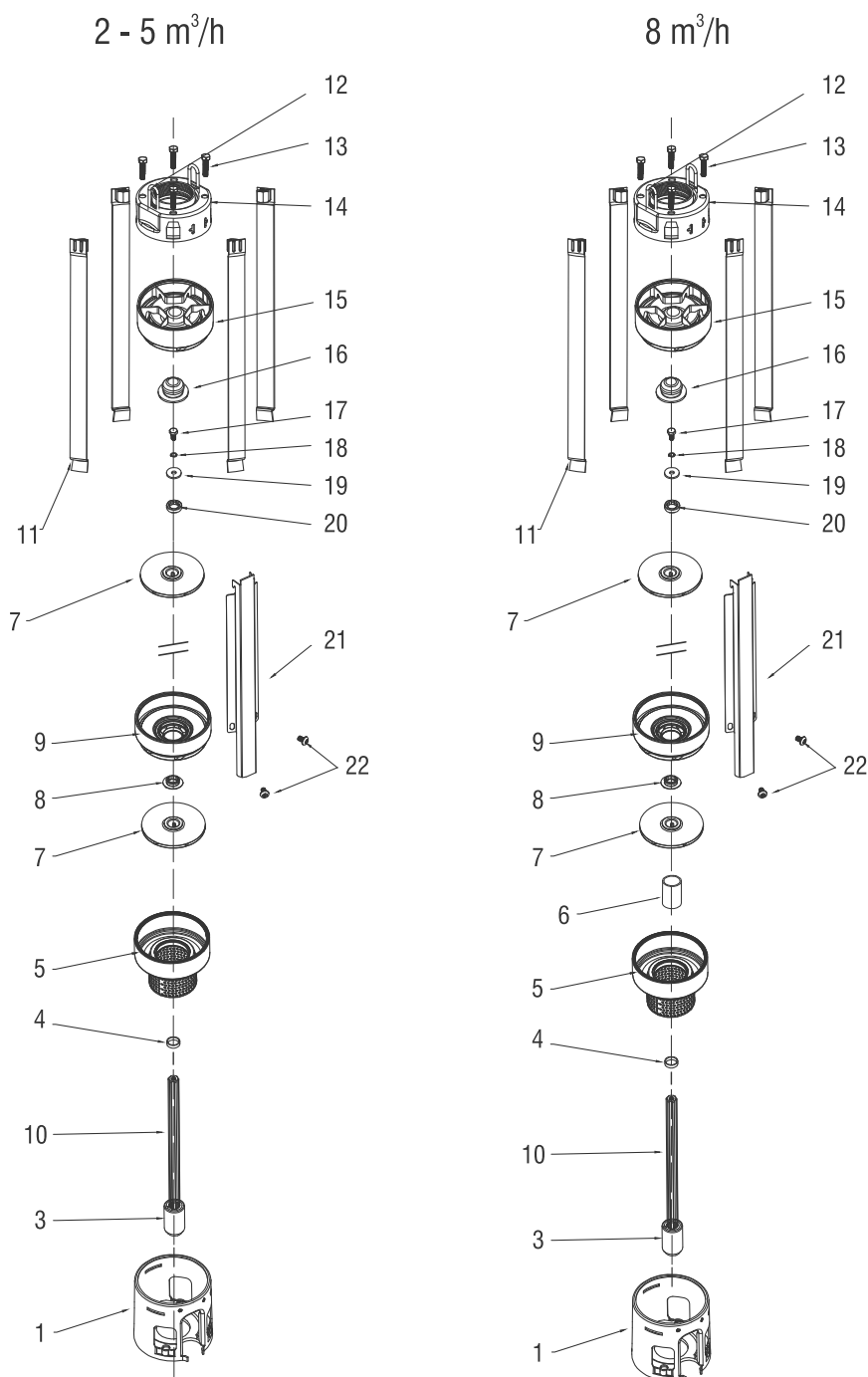
PUMP RANGE

Type	ISP 2	ISP 3	ISP 5	ISP 9	ISP 8	ISP 14	ISP 10	ISP 12	ISP 17	ISP 30	ISP 46	ISP 60	ISP 77	ISP 95	ISP 125	ISP 160
Steel : AISI SS 304 (1.4301)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Steel : AISI SS 316 (1.4401)				●	●		●	●	●	●	●	●	●	●	●	●
Connection : Rp (Inches)	1 ^{1/4}	1 ^{1/4}	1 ^{1/2}	2	2	2	2	2	2 ^{1/2}	3	3	3	4	5	5	6
BSP Thread											4	4	5			
Connection : Rp (Inches)	1 ^{1/4}	1 ^{1/4}	1 ^{1/2}	2	2	2	2	2	3	3	3	3	4	5	5	6
NPT Thread											4	4	5			
Flange Connection	V4	V4/V6	V4/V6	V4/V6	V4/V6	V4/V6	V4/V6	V4/V6	V4/V6	V4/V6	V6/V8	V6/V8	V6/V8	V6/V8	5"	6"

Direct-on-Line starting is recommended up to 7.5 kW.

Soft starter or auto transformer is recommended above 7.5 kW.

4" ISP SERIES EXPLODED VIEW



Part No.	Part Name
1	Suction Housing
2	Screw
3	Coupling
4	Spacer Sleeve
5	Inlet Screen Chamber
6	Sleeve
7	Impeller
8	Bush - Diffuser Casing
9	Diffuser Casing
10	Shaft
11	Locking Strap
12	Hook
13	Locking Strap Bolt
14	Discharge Housing
15	Check Valve Assy.
16	Bush - CT Pad
17	Screw
18	Washer
19	Upthrust Washer
20	Sleeve
21	Cable Guard
22	Cable Guard Screw

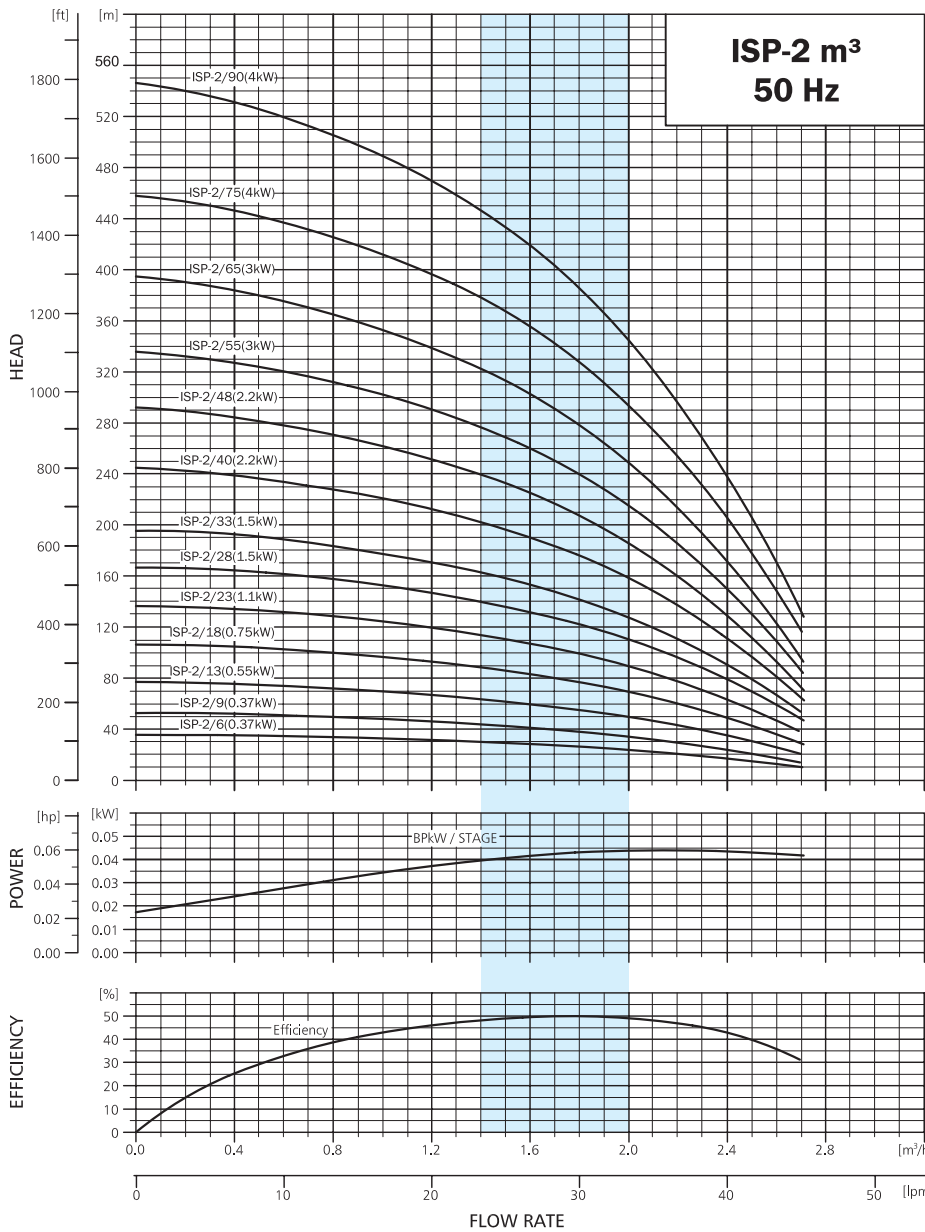
Specification

Pumped Liquids	
Non-aggressive, non explosive, pure, cold, Fresh water without abrasive particles having the following characteristics.	
pH	6.5 to 8.5
Turbidity	50ppm silica scale(max.)
Viscosity	1.75x10 ⁶ m ² / Sec (max.)
Hardness (Drinking Water)	300 (max.)
Specific gravity	1.004 (max.)
Allowable solids	3000 ppm (max)
Chlorine ion density	500 ppm (max.)
Permissible amount of sand	50 g/ m ³ (max.)
Temperature	38°C (max.) NBR 90°C VITON

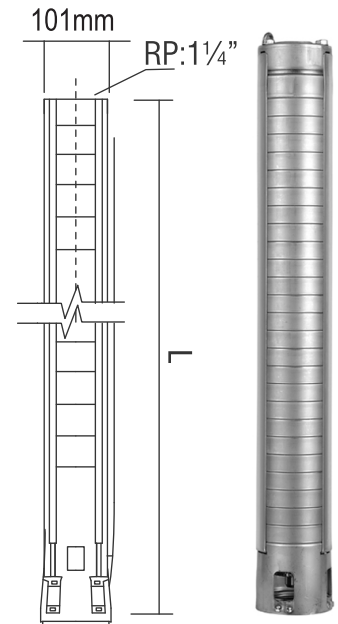
Pump Operating Limitations

Nominal Diameter	4"	
Power Range	0.37 kW – 7.5 kW	
Speed	upto 2900 rpm	
Flow Range	lpm	7.2 - 317
	m ³ /h	0.4 - 19
Max.Recommended Head	ft	13 - 1754
	m	4 - 535
Delivery size mm	32, 40 & 50	
Max.Operating Pressure	5.4 Mpa (54bar)	
Horizontal installation	Minimum 30° angle	

SUBMERSIBLE PUMP ISP-2



DIMENSIONS AND WEIGHTS



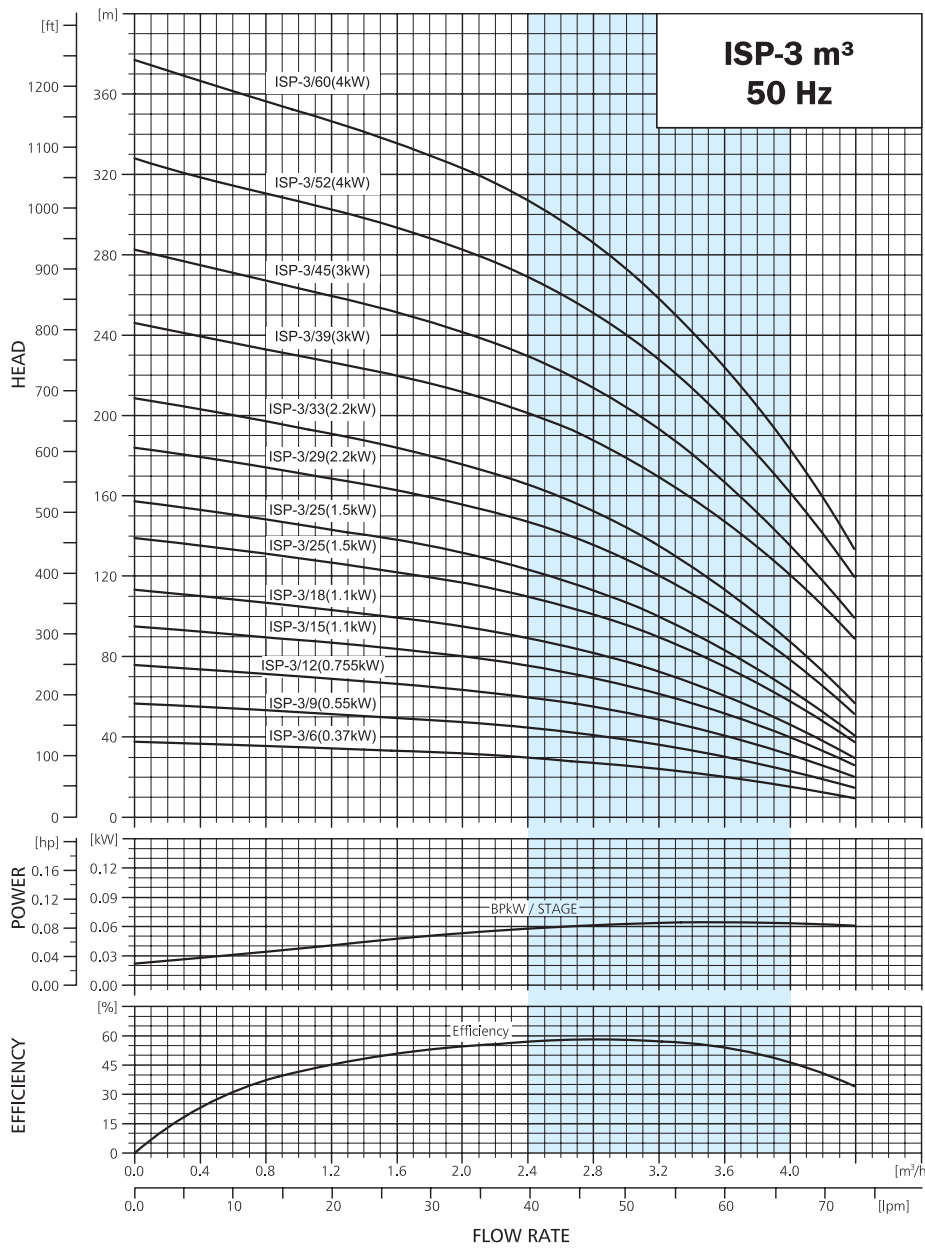
E = Maximum diameter of pump inclusive of cable guard & motor.

ISP-2/75 to ISP-2/90 are mounted in sleeve for R 1 1/4 connection and with max. diameter 108mm.

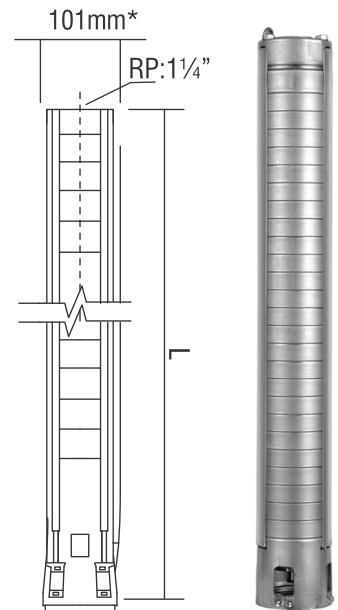
PERFORMANCE TABLE ISP-2

TYPE	MODEL	MOTOR RATING		Q (m³/h) Q (lpm)	0	1	1.4	1.8	2	2.4	2.7	HEIGHT L(MM)
		[kW]	[HP]		0	16.7	23.4	30.1	33.4	40.1	45	
ISP-2	ISP-2/6	0.37	0.5	Head (m)	36	33	30	26	24	17	10	281
	ISP-2/9	0.37	0.5		53	48	44	38	34	24	14	344
	ISP-2/13	0.55	0.75		77	70	64	55	50	35	20	428
	ISP-2/18	0.75	1.0		107	97	89	77	69	49	29	533
	ISP-2/23	1.1	1.5		137	124	114	99	90	64	38	638
	ISP-2/28	1.5	2.0		167	152	140	122	110	79	49	743
	ISP-2/33	1.5	2.0		196	178	163	142	128	90	55	848
	ISP-2/40	2.2	3.0		245	221	203	176	158	111	65	995
	ISP-2/48	2.2	3.0		292	262	240	207	186	129	72	1163
	ISP-2/55	3.0	4.0		336	302	277	240	215	150	86	1310
	ISP-2/65	3.0	4.0		395	352	323	280	250	170	94	1541
	ISP-2/75	4.0	5.5		457	412	378	328	292	205	118	1751
ISP-2/90	4.0	5.5	545	489	446	386	345	237	130	2307		

SUBMERSIBLE PUMP ISP-3



DIMENSIONS AND WEIGHTS

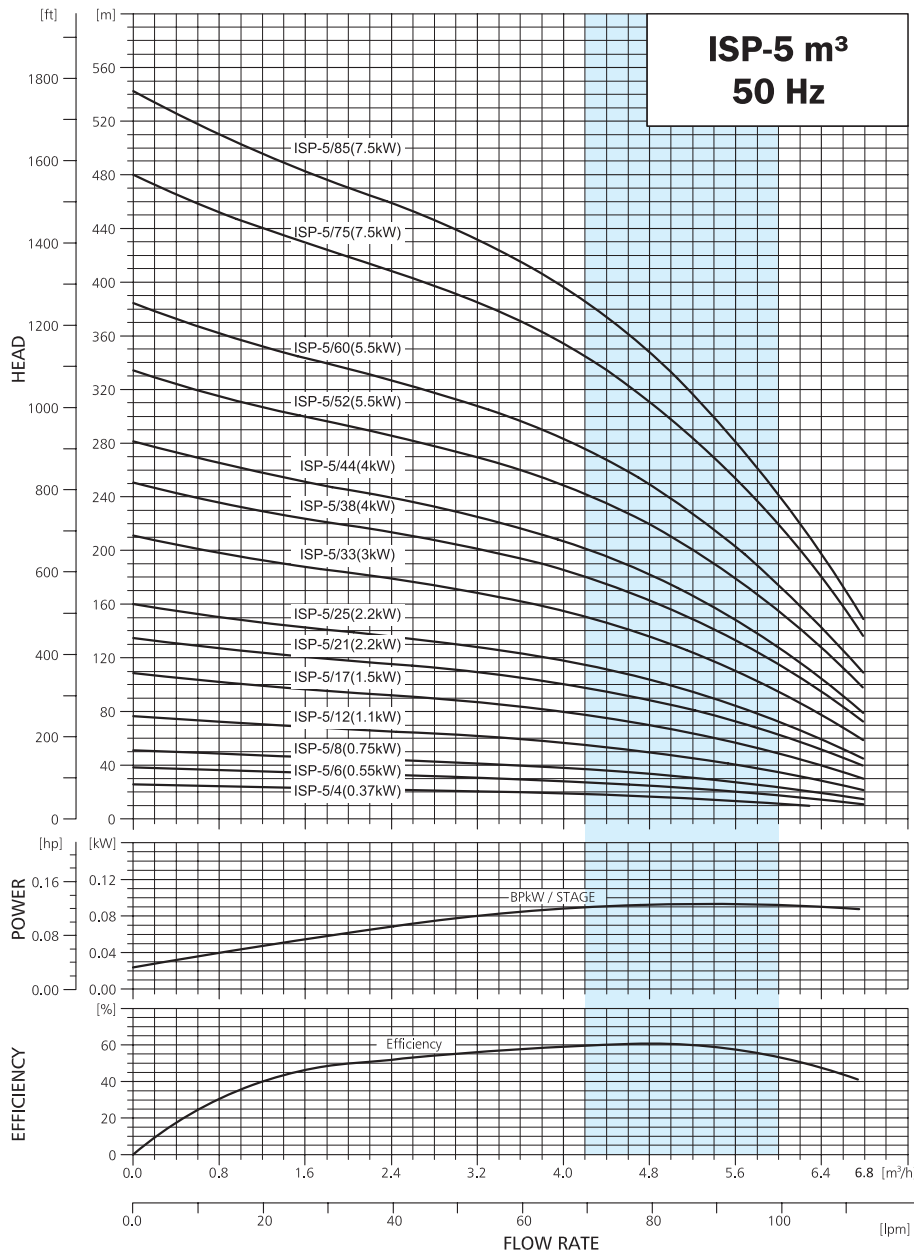


E = Maximum Dia of Pump inclusive of cable guard and motor.

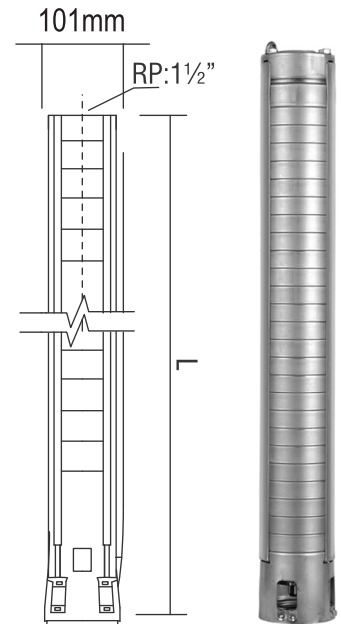
PERFORMANCE TABLE ISP-3

TYPE	MODEL	MOTOR RATING		Q (m³/h) Q (lpm)	0	1	1.4	1.8	2	2.4	2.8	4	5	8	HEIGHT L (MM)
		[kW]	[HP]		0	16.7	23.4	30.1	33.4	40.1	46.8	56.8	66.8	73.5	
ISP-3	ISP-3/6	0.37	0.5	Head (m)	38	35	34	32	31	30	27	22	15	10	281
	ISP-3/9	0.55	0.75		57	54	51	49	47	45	41	33	23	15	344
	ISP-3/12	0.75	1		76	70	68	65	64	60	55	45	31	20	407
	ISP-3/15	1.1	1.5		95	87	85	82	80	76	70	57	40	27	470
	ISP-3/18	1.1	1.5		113	105	101	97	95	89	82	67	46	30	533
	ISP-3/22	1.5	2.0		139	129	125	120	117	110	101	83	57	37	617
	ISP-3/25	1.5	2.0		157	145	140	135	131	124	113	92	63	41	680
	ISP-3/29	2.2	3.0		184	171	166	159	156	147	136	111	78	52	729
	ISP-3/33	2.2	3.0		209	194	187	180	176	166	152	125	87	58	827
	ISP-3/39	3.0	4.0		246	230	223	216	212	201	188	160	120	89	974
	ISP-3/45	3.0	4.0		283	264	255	247	242	229	214	181	135	99	1107
	ISP-3/52	4.0	5.5		328	308	298	289	283	269	251	214	161	120	1303
ISP-3/60	4.0	5.5	377	350	341	330	323	307	286	242	182	135	1527		

SUBMERSIBLE PUMP ISP-5



DIMENSIONS AND WEIGHTS



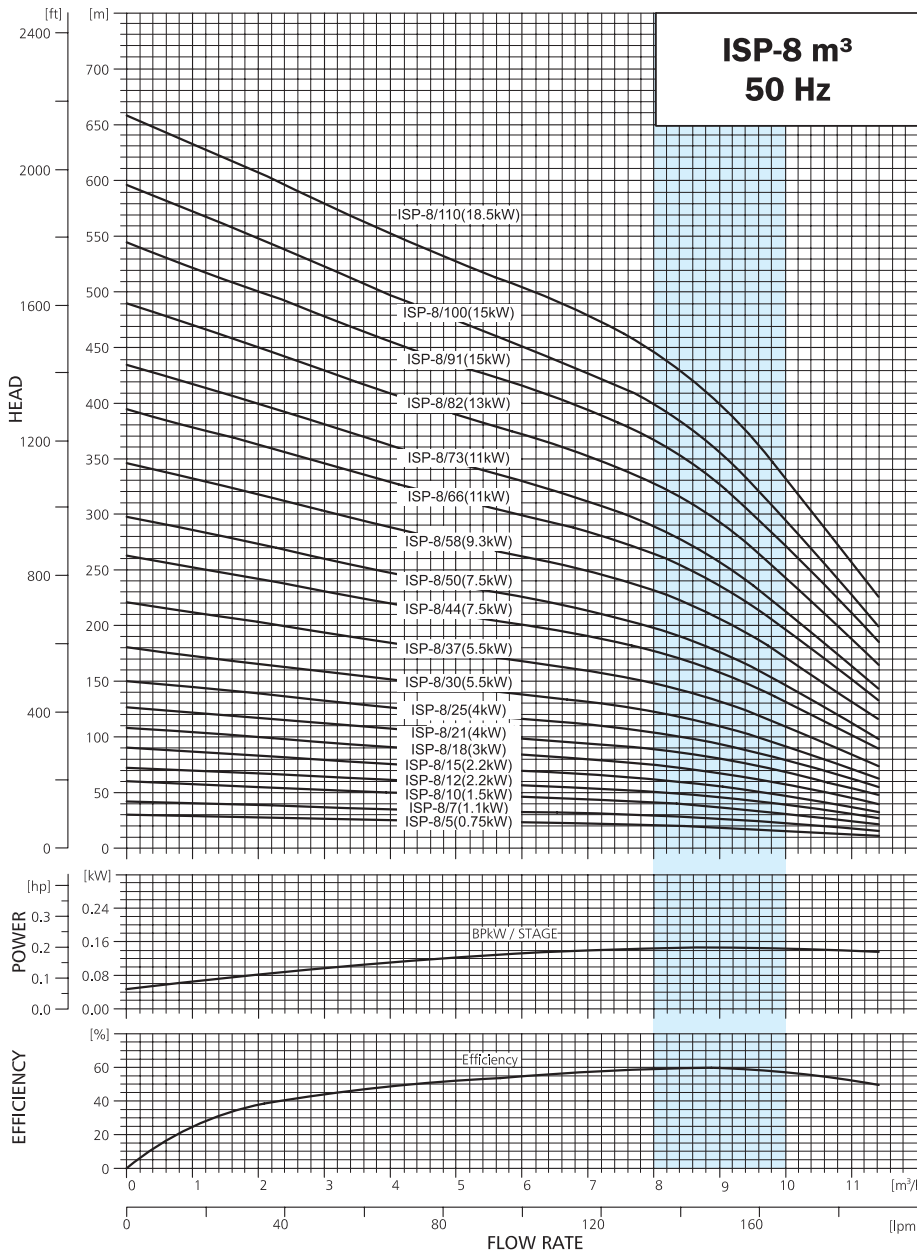
E = Maximum diameter of pump inclusive of cable guard & motor.

ISP-5/75 to ISP-2/85 are mounted in sleeve for Rp 1 1/2" connection and with max. diameter 108 mm.

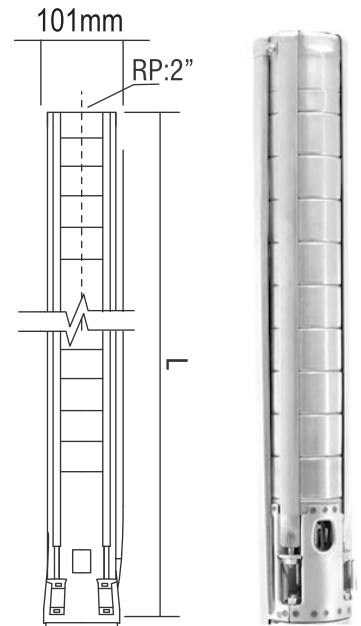
PERFORMANCE TABLE ISP-5

TYPE	MODEL	MOTOR RATING		Q (m³/h) Q (lpm)	0	1	1.4	1.8	2	2.4	2.8	3.4	4	4.4	5	6	6.8	HEIGHT L(MM)
		[kW]	[HP]		0	16.7	23.4	30.1	33.4	40.1	46.8	56.8	66.8	73.5	83.5	100.2	113.3	
ISP-5	ISP-5/4	0.37	0.5	Head (m)	26	24	23	23	22	22	21	20	19	18	16	11	9	239
	ISP-5/6	0.55	0.75		38	36	35	34	33	33	32	30	28	26	24	17	11	281
	ISP-5/8	0.75	1		51	48	47	46	45	44	43	40	38	36	32	23	15	323
	ISP-5/12	1.1	1.5		77	72	70	68	67	65	63	60	56	54	47	35	21	407
	ISP-5/17	1.5	2		109	100	97	96	94	92	90	85	80	75	67	49	30	512
	ISP-5/21	2.2	3		135	126	122	120	118	115	112	106	100	95	85	63	39	595
	ISP-5/25	2.2	3		160	150	145	141	139	135	131	125	118	112	99	72	45	680
	ISP-5/33	3	4		211	195	190	186	183	179	173	166	155	148	130	95	59	848
	ISP-5/38	4	5.5		250	233	229	221	219	215	209	199	186	177	157	115	72	953
	ISP-5/44	4	5.5		281	260	257	250	245	240	232	220	207	195	174	127	79	1079
	ISP-5/52	5.5	7.5		334	310	302	296	293	285	280	267	249	238	210	155	98	1247
	ISP-5/60	5.5	7.5		384	360	345	339	335	325	319	303	283	269	238	175	108	1440
ISP-5/75	7.5	10	480	450	431	424	418	405	397	379	353	337	300	212	138	1760		
ISP-5/85	7.5	10	544	510	488	480	473	459	450	430	400	382	340	240	150	2369		

SUBMERSIBLE PUMP ISP-8



DIMENSIONS AND WEIGHTS



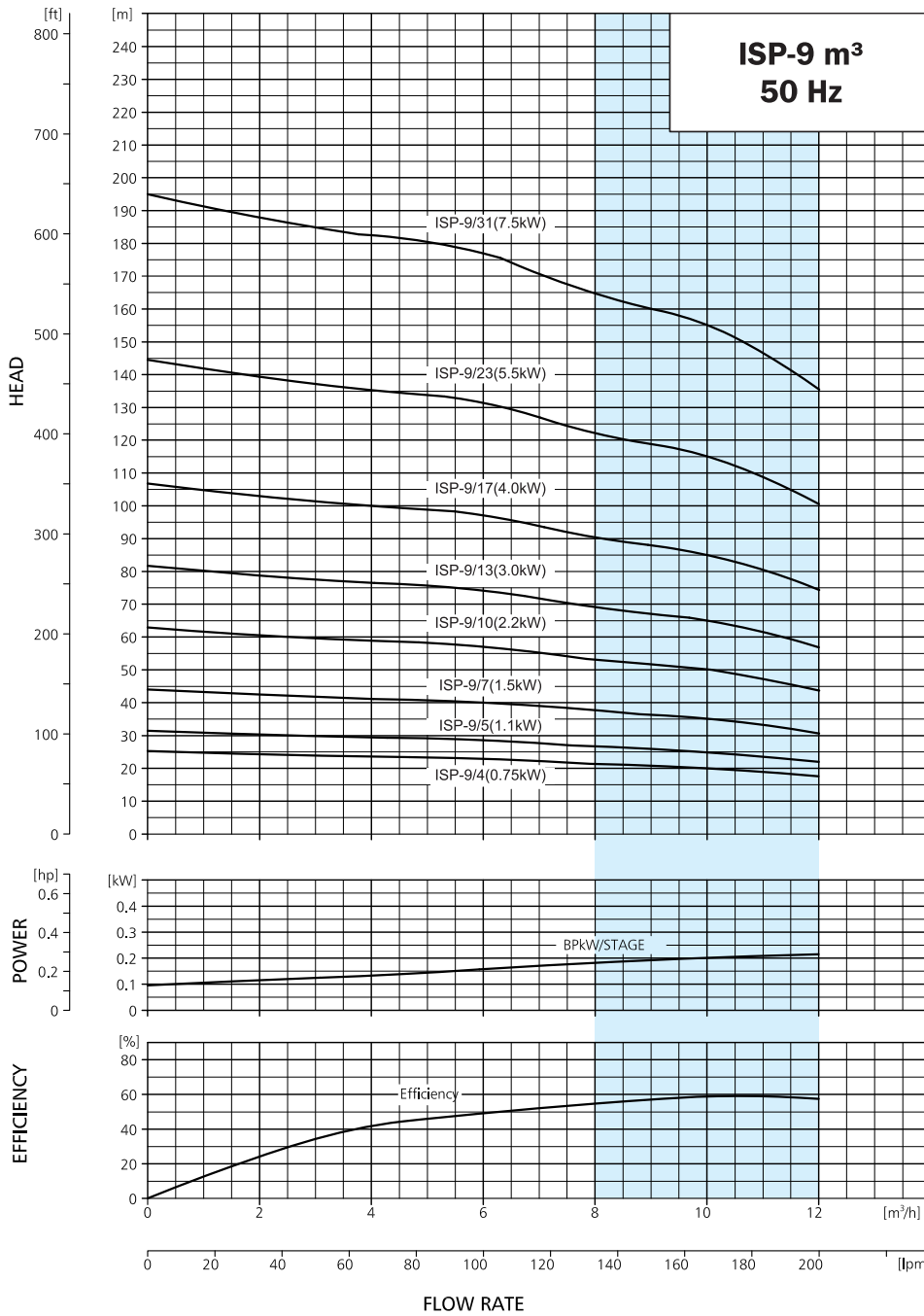
E = Maximum diameter of pump inclusive of cable guard & motor.

ISP-8/58 to ISP-12/110 are mounted in sleeve for R 2" connection

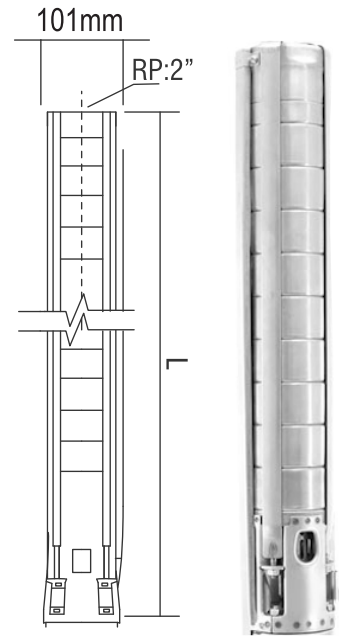
PERFORMANCE TABLE ISP-8

TYPE	MODEL	MOTOR RATING		Q (m³/h)	0	1.4	2	4	6	8	9	10	11	HEIGHT L(MM)	HEIGHT (KG)
		[kW]	[HP]		0	23.4	33.4	66.8	100.2	133.3	150	167	183.7		
ISP-8	ISP-8/5	0.75	1.0	Head (m)	30	29	27	25	23	21	19	16	12	415	4
	ISP-8/7	1.1	1.5		42	40	38	35	32	29	26	22	17	499	5
	ISP-8/10	1.5	2.0		60	57	55	50	46	41	37	32	24	625	6
	ISP-8/12	2.2	3.0		72	68	68	61	57	51	46	39	31	709	7
	ISP-8/15	2.2	3.0		90	85	82	76	70	62	56	47	37	835	9
	ISP-8/18	3.0	4.0		108	102	100	91	84	75	67	57	45	961	10
	ISP-8/21	4.0	5.5		127	120	117	107	99	89	80	68	53	1087	11
	ISP-8/25	4.0	5.5		150	142	139	126	116	104	94	79	62	1255	13
	ISP-8/30	5.5	7.5		180	170	165	151	138	123	110	92	71	1465	15
	ISP-8/37	5.5	7.5		221	210	202	184	168	148	132	110	84	1759	18
	ISP-8/44	7.5	10.0		264	246	238	220	202	185	167	141	106	2053	21
	ISP-8/50	7.5	10.0		300	279	270	250	230	210	190	160	120	2305	24
	ISP-8/58	9.3	12.5		348	324	314	290	266	244	220	186	140	2641	27
	ISP-8/66	11	15.0		396	369	357	330	303	277	250	211	159	2977	31
	ISP-8/73	11	15.0		438	408	395	365	335	307	277	234	176	3271	34
	ISP-8/82	13.0	17.5		492	458	443	410	376	345	311	263	197	3649	38
ISP-8/91	15.0	20.0	546	509	492	455	418	383	345	292	219	4027	42		
ISP-8/100	15.0	20.0	600	559	541	500	459	420	379	320	241	4405	45		
ISP-8/110	18.5	25.0	660	615	595	550	505	462	417	352	265	4825	50		

SUBMERSIBLE PUMP ISP-9



DIMENSIONS AND WEIGHTS

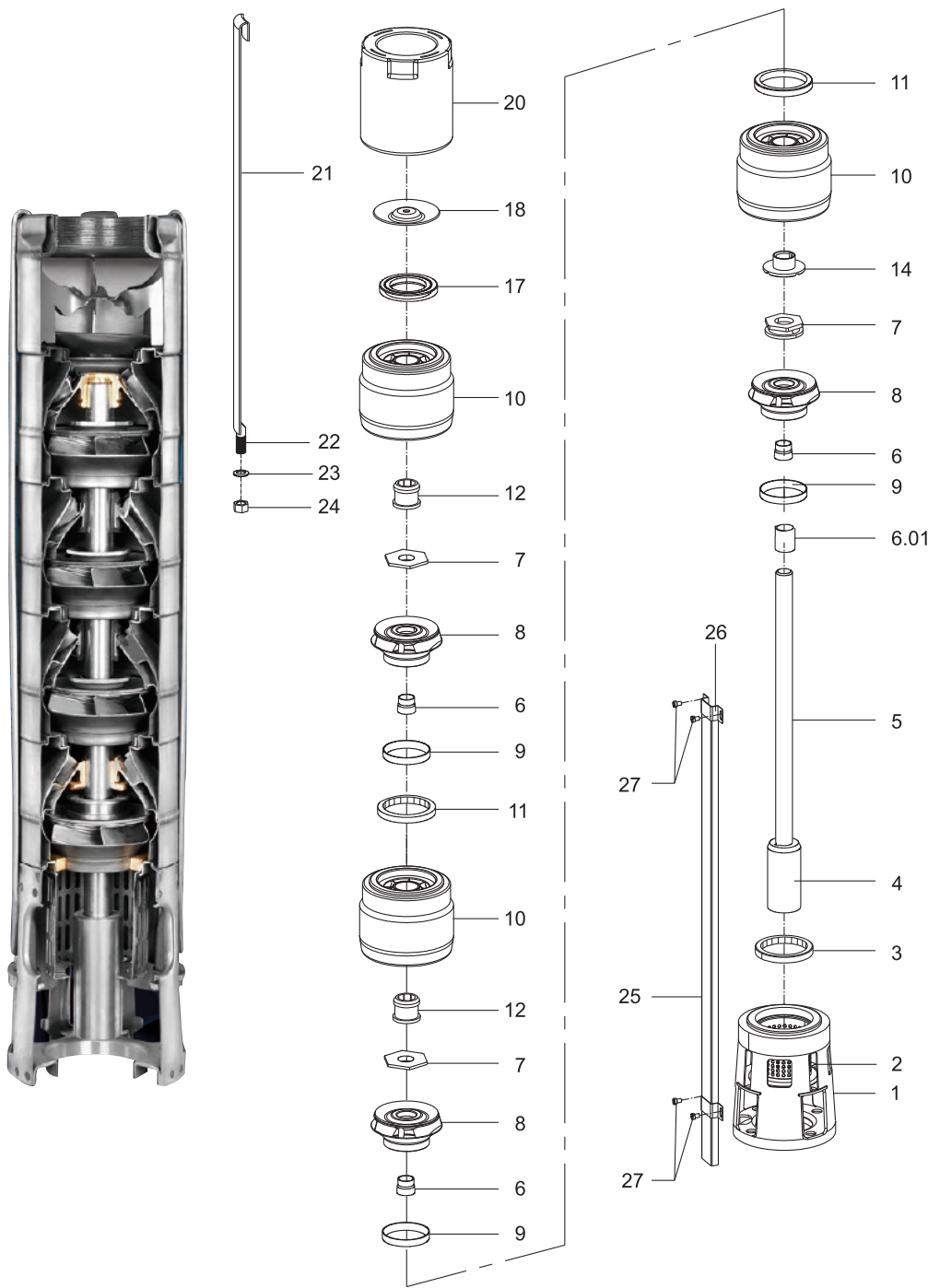


E = Maximum diameter of pump inclusive of cable guard & motor.

PERFORMANCE TABLE ISP-9

TYPE	MODEL	MOTOR RATING		Q (m ³ /h) Q (lpm)	0	2	4	6	8	10	12	HEIGHT L(MM)	WEIGHT (KG)	
		[kW]	[HP]		0	33.4	66.8	100.1	133.6	167	200.1			
ISP-9	ISP-9/4	0.75	1	Head (m)	26	24	23	23	22	20	18	445	6	
	ISP-9/5	1.1	1.5		32	31	29	28	27	25	23	23	510	6
	ISP-9/7	1.5	2		44	43	41	40	38	35	32	32	640	7
	ISP-9/10	2.2	3		63	61	59	57	53	50	43	43	835	8
	ISP-9/13	3	4		82	78	76	74	69	65	57	57	1030	11
	ISP-9/17	4	5.5		107	103	100	97	90	85	74	74	1290	14
	ISP-9/23	5.5	7.5		145	139	135	132	122	115	100	100	1680	19
	ISP-9/31	7.5	10		195	188	182	177	165	155	135	135	2200	24

6" ISP SERIES EXPLODED VIEW



Part No.	Part Name
1	Suction Case (IP)
2	Stainer
3	1st Stage Bowl / Neckring / Bush
4	Coupling
5	Pump Shaft
6	Impeller Lock Collect
6.01	Spacer Sleeve
7	Impeller Lock Nut
8	Impeller Body
9	Wearing
10	Diffuser / Bowl Body
11	Diffuser Neckring
12	Diffuser Bearing Bush
14	Top Lock Nut
17	Top Bearing Bush
18	NRV Flap Cone
20	NRV Body
21	Clamping Strap
22	Stud
23	Washer
24	Nut
25	Cable Guard
26	Cable Guard Clamp
27	Cable Guard Screw
27	Cable Guard Screw

Specification

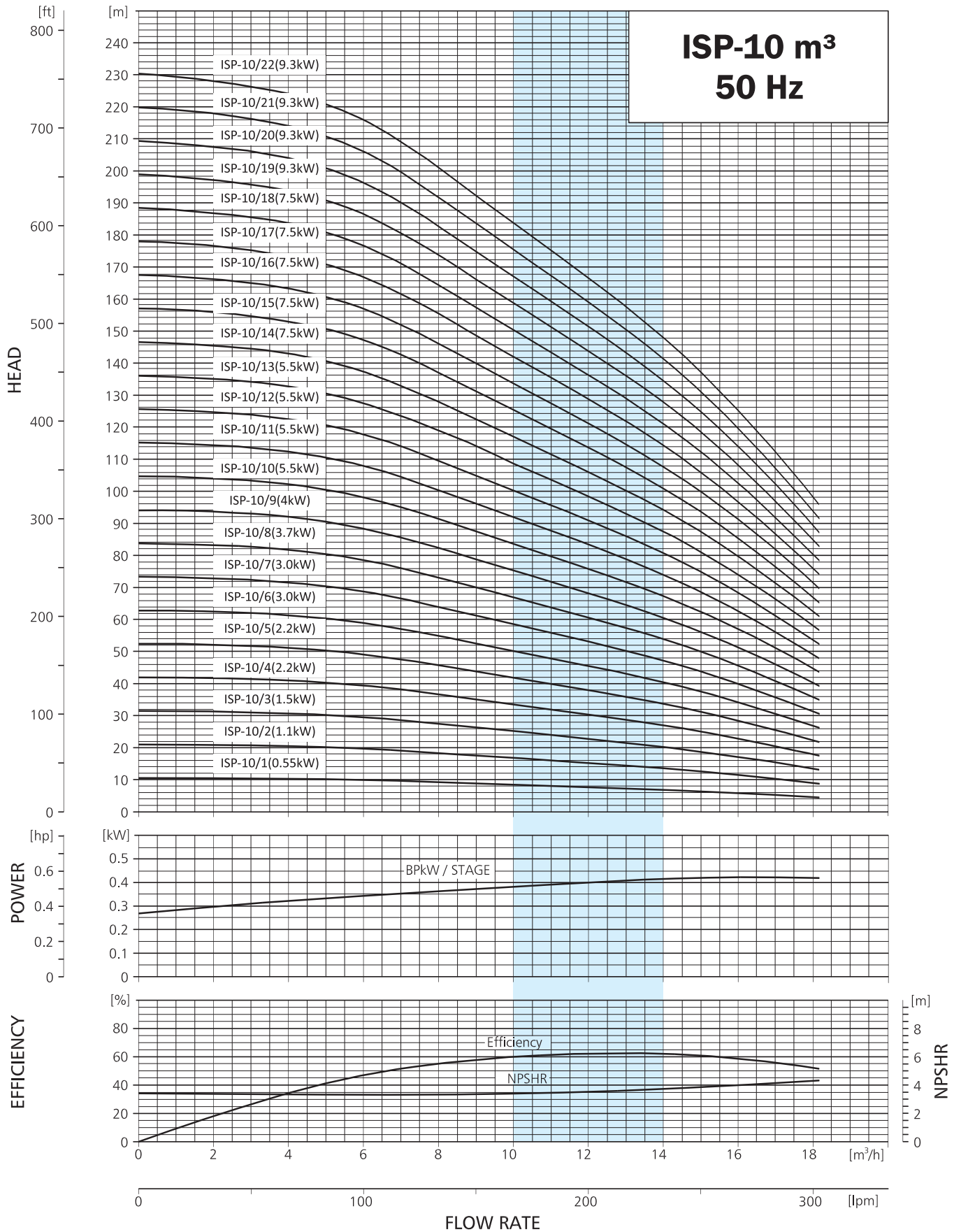
Pumped Liquids	
Non-aggressive, non explosive, pure, cold, Fresh water without abrasive particles having the following characteristics.	
pH	6.5 to 8.5
Turbidity	50ppm silica scale(max.)
Viscosity	1.75x10 ⁶ m ² / Sec (max.)
Hardness (Drinking Water)	300 (max.)
Specific gravity	1.004 (max.)
Allowable solids	3000 ppm (max)
Chlorine ion density	500 ppm (max.)
Permissible amount of sand	50 g/ m ³ (max.)
Temperature	38°C (max.) NBR 90°C VITON

Pump Operating Limitations

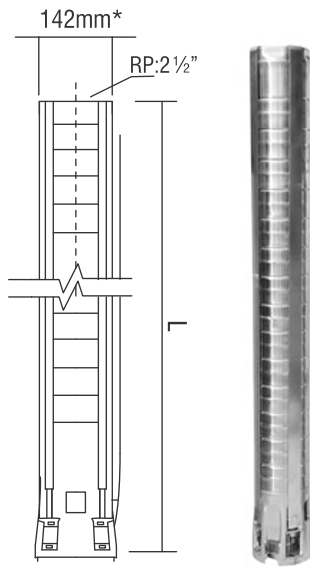
Nominal Diameter	6"	
Power Range	2.2 kW – 63 kW	
Speed	upto 2900 rpm	
Flow Range	lpm	116.4 - 1333
	m ³ /h	7 to 80
Max.Recommended Head	ft	14.76 - 2033
	m	4.5 - 620
Delivery size mm	50,65,80 & 100	
Max.Operating Pressure	6.2 Mpa (62bar)	
Horizontal installation	Minimum 30° angle	

SUBMERSIBLE PUMP ISP-10

**ISP-10 m³
50 Hz**



SUBMERSIBLE PUMP ISP-10



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
2 1/2" (inside threaded)

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

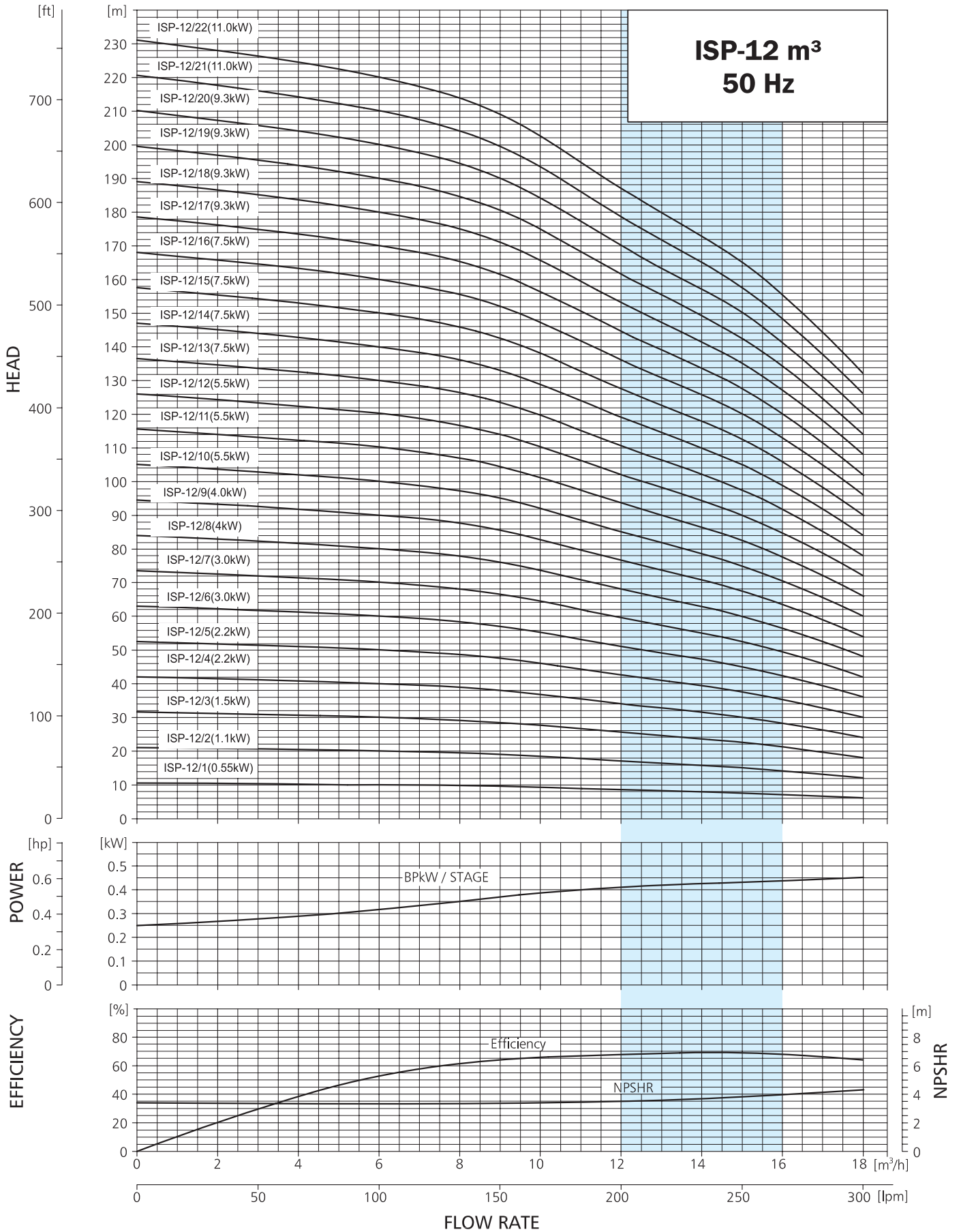
Max. Water Temperature
50°C

Degree Of Protection
IP 68

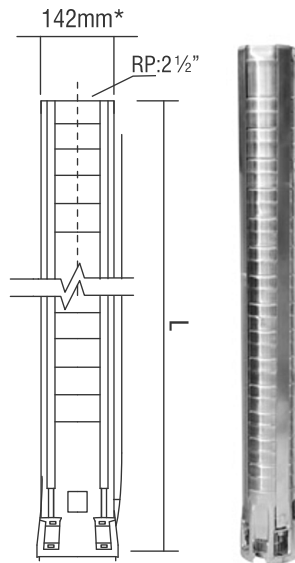
PERFORMANCE TABLE ISP-10

TYPE	MODEL	MOTOR RATING		Q (m ³ /h) Q (lpm)	0	2	4	6	8	10	12	14	16	18	HEIGHT L(MM)	WEIGHT (KG)
		[kW]	[HP]		0	33.3	66.7	100	133.3	166.7	200	233.3	266.7	300		
ISP-10	ISP-10/1	0.55	0.75	10	10	10	10	9	8	8	7	6	5	330	5	
	ISP-10/2	1.1	1.5	21	21	20	20	18	17	15	14	12	9	390	6	
	ISP-10/3	1.5	2	31	31	31	29	27	25	23	20	17	13	451	7	
	ISP-10/4	2.2	3	42	42	41	39	37	33	30	27	23	18	511	9	
	ISP-10/5	2.2	3	52	52	51	49	46	42	38	34	29	22	572	10	
	ISP-10/6	3	4	63	63	62	59	55	50	45	40	34	27	632	11	
	ISP-10/7	3	4	73	73	72	69	64	59	53	47	40	31	693	14	
	ISP-10/8	3.7	5	83	83	82	79	73	67	61	54	46	36	753	16	
	ISP-10/9	4	5.5	94	94	92	88	82	75	68	60	51	40	814	17	
	ISP-10/10	5.5	7.5	105	104	102	98	91	84	76	67	57	45	874	18	
	ISP-10/11	5.5	7.5	115	114	113	108	100	92	83	74	63	49	935	20	
	ISP-10/12	5.5	7.5	125	124	123	118	109	100	91	81	69	53	995	21	
	ISP-10/13	5.5	7.5	135	135	133	127	119	109	98	87	74	58	1056	23	
	ISP-10/14	7.5	10	147	146	143	137	128	117	106	94	79	63	1116	24	
	ISP-10/15	7.5	10	157	156	153	147	137	125	114	101	85	67	1177	26	
	ISP-10/16	7.5	10	168	167	163	157	146	134	121	108	91	71	1237	27	
	ISP-10/17	7.5	10	177	177	173	167	155	142	129	114	97	76	1298	29	
	ISP-10/18	7.5	10	189	187	183	176	164	150	136	121	103	80	1358	30	
	ISP-10/19	9.3	12.5	199	197	194	187	173	159	144	127	108	85	1419	31	
	ISP-10/20	9.3	12.5	209	208	204	196	183	167	151	134	114	90	1479	33	
	ISP-10/21	9.3	12.5	219	218	214	206	191	176	159	142	119	94	1540	34	
	ISP-10/22	9.3	12.5	231	228	224	216	201	184	167	148	125	98	1600	36	
	ISP-10/23	11	15	241	239	235	225	210	192	174	160	139	104	1661	37	
	ISP-10/24	11	15	251	250	245	235	219	200	182	166	145	108	1721	39	
	ISP-10/25	11	15	262	260	255	245	228	209	189	174	150	112	1782	40	
	ISP-10/26	11	15	272	270	265	254	237	217	197	180	155	116	1842	42	
	ISP-10/27	13	17.5	282	280	275	264	246	226	204	186	162	122	1903	43	
	ISP-10/28	13	17.5	293	290	285	274	256	234	212	194	168	126	1963	45	
	ISP-10/29	13	17.5	304	300	295	283	264	242	220	200	174	132	2024	46	
	ISP-10/30	13	17.5	314	312	306	293	273	251	227	206	180	135	2084	47	
	ISP-10/31	13	17.5	325	323	316	303	282	259	235	214	186	138	2145	49	
	ISP-10/32	15	20	335	333	327	313	292	268	242	221	192	144	2205	50	
	ISP-10/33	15	20	346	344	337	322	301	276	250	227	198	148	2266	52	
	ISP-10/34	15	20	357	355	348	332	310	284	257	234	204	154	2326	53	
	ISP-10/35	15	20	368	365	358	342	320	291	265	242	210	158	2387	55	
	ISP-10/36	15	20	378	376	368	352	330	301	273	249	216	162	2447	56	
	ISP-10/37	18.5	25	388	386	378	362	339	309	280	255	222	166	2508	58	
	ISP-10/38	18.5	25	398	398	389	372	348	318	288	262	228	172	2568	59	
	ISP-10/39	18.5	25	408	408	399	382	358	326	295	269	234	176	2629	60	
	ISP-10/40	18.5	25	419	418	409	392	366	334	303	276	240	181	2689	62	
	ISP-10/41	18.5	25	429	428	419	401	375	341	311	284	248	185	2750	63	
	ISP-10/42	18.5	25	440	438	429	412	383	351	319	289	252	189	2810	65	
	ISP-10/43	18.5	25	450	448	439	421	392	359	326	296	260	192	2871	68	
	ISP-10/44	18.5	25	460	458	449	431	401	368	333	304	265	198	3054	70	

SUBMERSIBLE PUMP ISP-12



SUBMERSIBLE PUMP ISP-12



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
2 1/2" (inside threaded)

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

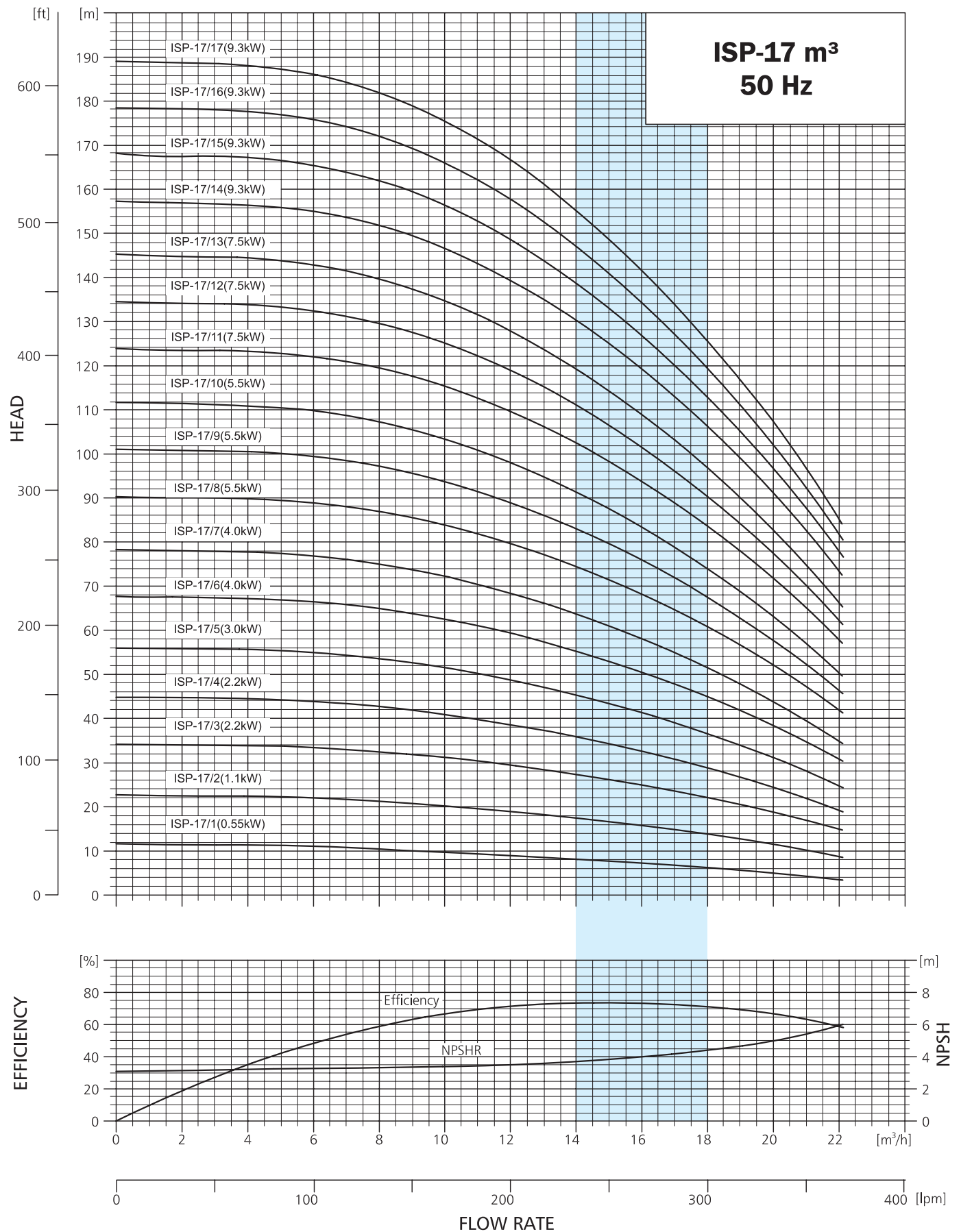
Max. Water Temperature
50°C

Degree Of Protection
IP 68

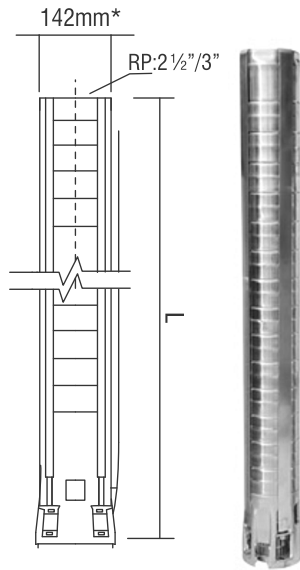
PERFORMANCE TABLE ISP-12

TYPE	MODEL	MOTOR RATING		Q (m ³ /h) Q (lpm)	0	2	4	6	8	10	12	14	16	18	HEIGHT L(MM)	WEIGHT (KG)
		[kW]	[HP]		0	33.3	66.7	100	133.3	166.7	200	233.3	266.7	300		
ISP-12	ISP-12/1	0.55	0.75	11	10	10	10	10	9	9	8	7	6	434	13	
	ISP-12/2	1.1	1.5	21	21	20	20	19	18	17	16	14	12	494	13.6	
	ISP-12/3	1.5	2	32	31	31	30	29	27	26	23	21	18	554	14.4	
	ISP-12/4	2.2	3	42	41	44	40	39	37	34	31	28	24	614	15.2	
	ISP-12/5	2.2	3	53	52	51	50	49	46	43	39	35	30	674	16.2	
	ISP-12/6	3	4	63	62	61	60	58	56	51	47	43	36	734	17.1	
	ISP-12/7	3	4	74	73	71	70	68	64	60	55	49	42	794	17.6	
	ISP-12/8	4	5.5	84	83	82	80	78	74	68	63	57	48	854	18.6	
	ISP-12/9	4	5.5	95	93	92	90	88	83	77	71	63	54	914	19.2	
	ISP-12/10	5.5	7.5	105	103	102	100	97	92	85	79	71	60	974	20.2	
	ISP-12/11	5.5	7.5	116	114	112	110	107	101	94	86	78	66	1034	20.9	
	ISP-12/12	5.5	7.5	126	124	122	120	117	110	102	94	85	72	1094	21.6	
	ISP-12/13	7.5	10	137	135	133	130	127	120	111	102	92	78	1154	22.4	
	ISP-12/14	7.5	10	147	145	143	140	136	129	119	110	99	84	1214	23.4	
	ISP-12/15	7.5	10	158	155	153	150	146	138	128	118	106	90	1274	24.1	
	ISP-12/16	7.5	10	168	166	163	160	156	147	136	126	113	96	1334	25	
	ISP-12/17	9.3	12.5	179	176	174	170	165	156	145	134	120	102	1394	25.7	
	ISP-12/18	9.3	12.5	189	186	184	180	175	166	153	141	127	108	1454	26.5	
	ISP-12/19	9.3	12.5	200	197	194	190	185	175	162	149	135	114	1514	27.3	
	ISP-12/20	9.3	12.5	210	207	204	200	195	184	170	157	141	120	1574	28.3	
	ISP-12/21	11	15	221	218	214	210	204	194	179	165	148	126	1634	29	
	ISP-12/22	11	15	231	228	225	220	214	202	187	173	156	132	1694	29.9	
	ISP-12/23	11	15	242	238	235	230	224	212	196	180	162	138	1754	30.5	
	ISP-12/24	11	15	252	248	245	240	233	221	204	188	170	144	1814	31.5	
	ISP-12/25	13	17.5	263	258	255	250	243	230	213	196	177	150	1874	32.3	
	ISP-12/26	13	17.5	273	268	266	260	252	240	221	205	185	156	1934	33	
	ISP-12/27	13	17.5	284	280	276	270	262	249	230	213	190	162	1994	33.9	
	ISP-12/28	13	17.5	294	290	286	280	272	258	238	220	198	168	2054	34.7	
	ISP-12/29	15	20	305	300	297	290	282	268	247	228	205	174	2114	35.5	
	ISP-12/30	15	20	315	310	307	300	292	277	255	236	212	180	2174	36.1	
	ISP-12/31	15	20	326	320	317	310	301	285	264	244	219	186	2234	37	
	ISP-12/32	15	20	336	330	327	320	311	295	272	252	226	192	2294	38.9	
	ISP-12/33	15	20	347	340	338	330	321	303	281	260	234	198	2354	38.7	
	ISP-12/34	18.5	25	357	350	347	340	330	312	289	268	240	204	2414	39.4	
	ISP-12/35	18.5	25	368	360	357	350	340	322	298	275	248	210	2474	40.2	
	ISP-12/36	18.5	25	378	370	367	360	350	332	306	283	256	216	2534	41.2	
	ISP-12/37	18.5	25	389	380	377	370	360	340	315	291	262	222	2594	42	
	ISP-12/38	18.5	25	399	390	388	380	370	350	323	298	269	228	2654	42.8	
	ISP-12/39	18.5	25	410	402	398	390	379	359	332	306	275	234	2714	43.4	
	ISP-12/40	18.5	25	420	412	408	400	389	368	340	315	282	240	2774	44.4	
	ISP-12/41	22	30	431	422	418	410	398	378	349	322	290	246	2954	46.6	
	ISP-12/42	22	30	441	432	429	420	408	386	357	330	297	252	3074	48.2	
	ISP-12/43	22	30	452	442	439	430	418	396	366	338	304	258	6254	50.7	
	ISP-12/44	22	30	462	452	449	440	428	405	374	346	311	264	3434	53	

SUBMERSIBLE PUMP ISP-17



SUBMERSIBLE PUMP ISP-17



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
2 1/2" (inside threaded)

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

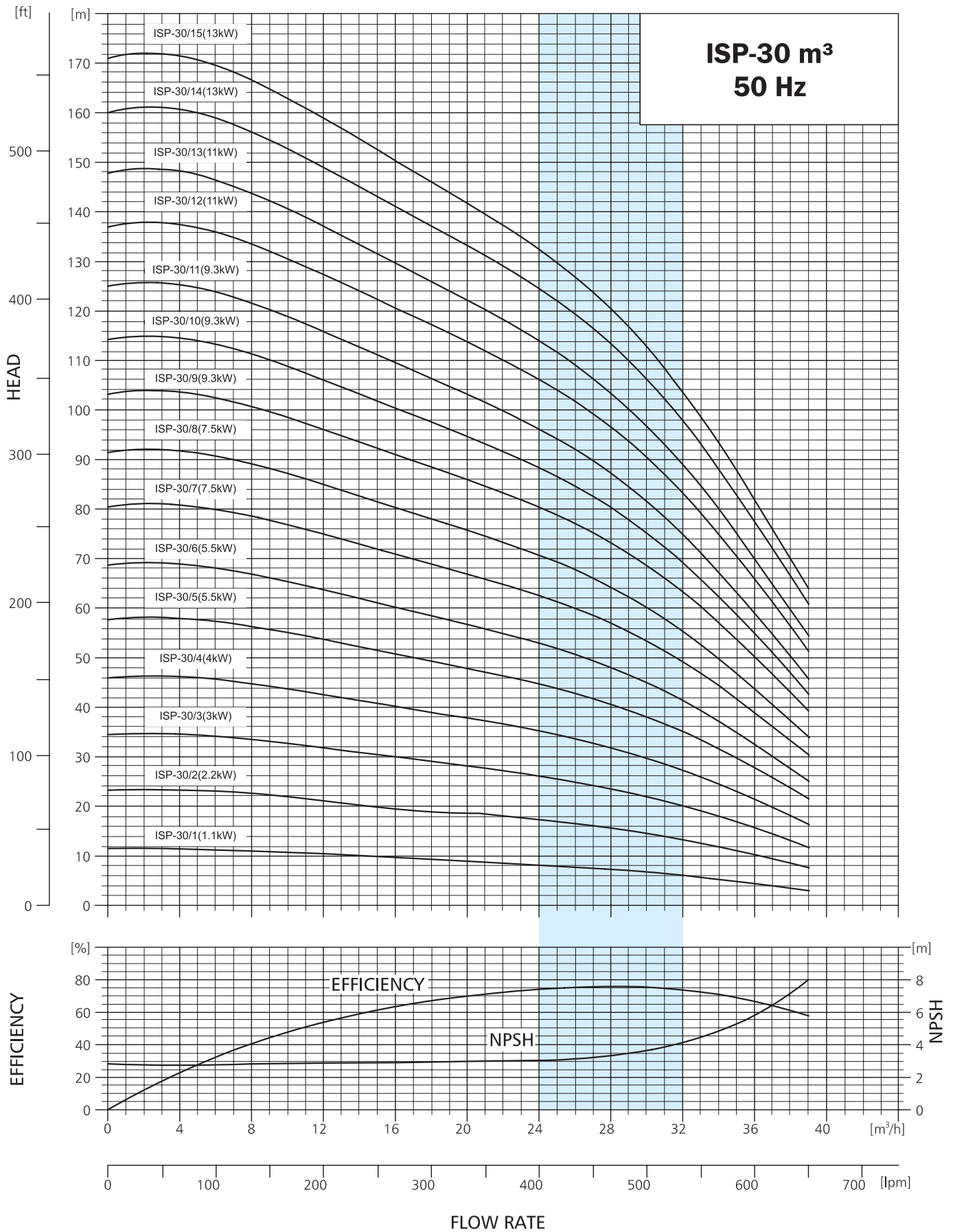
Max. Water Temperature
50°C

Degree Of Protection
IP 68

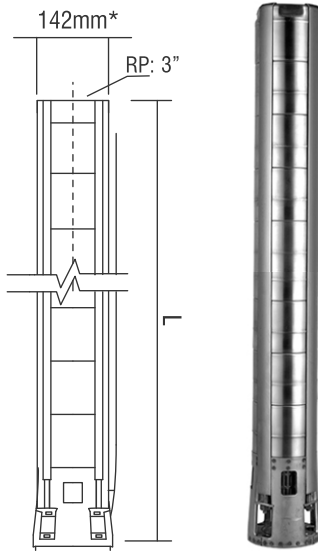
PERFORMANCE TABLE ISP-17

TYPE	MODEL	MOTOR RATING		Q (m ³ /h)	Q (lpm)														HEIGHT L (MM)	WEIGHT (KG)
		[kW]	[HP]		0	2	4	6	8	10	12	14	16	18	20	22				
ISP-17	ISP-17/1	0.55	0.75	12	11	11	11	10	10	9	8	7	6	5	4	330	7			
	ISP-17/2	1.1	1.5	23	23	22	22	21	20	19	17	16	14	12	9	390	9			
	ISP-17/3	2.2	3	34	34	34	33	33	31	29	27	25	22	19	15	451	10			
	ISP-17/4	2.2	3	45	45	44	44	43	41	39	36	33	29	24	19	511	11			
	ISP-17/5	3	4	56	56	56	55	54	51	49	45	41	37	31	25	572	12			
	ISP-17/6	4	5.5	68	67	67	66	65	63	59	55	50	45	38	31	632	14			
	ISP-17/7	4	5.5	78	78	78	77	75	72	68	64	58	52	44	35	693	15			
	ISP-17/8	5.5	7.5	90	90	90	89	87	84	80	74	68	61	52	42	753	16			
	ISP-17/9	5.5	7.5	101	101	100	99	97	94	89	83	76	67	58	46	814	17			
	ISP-17/10	5.5	7.5	112	111	111	110	107	103	98	91	83	74	63	50	874	18			
	ISP-17/11	7.5	10	124	124	123	122	119	115	110	103	94	84	72	58	935	20			
	ISP-17/12	7.5	10	135	134	134	132	130	125	119	111	101	90	77	62	995	21			
	ISP-17/13	7.5	10	145	145	144	143	140	135	128	119	109	97	83	66	1056	23			
	ISP-17/14	9.3	12.5	157	157	156	155	152	147	139	130	119	106	91	73	1116	24			
	ISP-17/15	9.3	12.5	168	167	167	165	162	156	149	139	127	113	97	78	1177	26			
	ISP-17/16	9.3	12.5	179	178	177	176	172	166	158	147	134	119	102	82	1237	27			
	ISP-17/17	9.3	12.5	189	189	188	186	182	175	166	155	141	126	107	85	1298	29			
	ISP-17/18	11	15	202	201	200	199	194	188	178	167	152	136	116	94	1358	30			
	ISP-17/19	11	15	212	212	211	209	204	197	187	175	160	142	121	97	1419	31			
	ISP-17/20	11	15	223	222	221	219	214	207	196	183	167	148	126	101	1479	33			
	ISP-17/21	13	17.5	235	235	234	232	227	220	209	195	179	159	137	110	1540	34			
	ISP-17/22	13	17.5	246	246	245	243	237	229	218	204	186	166	142	114	1600	36			
	ISP-17/23	13	17.5	257	256	255	253	248	239	227	212	193	172	147	118	1661	37			
	ISP-17/24	13	17.5	267	267	266	263	258	248	236	220	201	178	152	122	1721	39			
	ISP-17/25	15	20	280	279	279	276	270	261	248	232	212	189	162	131	1782	40			
	ISP-17/26	15	20	291	290	289	286	280	271	257	240	220	196	168	135	1842	42			
	ISP-17/27	15	20	301	300	300	297	290	280	266	249	227	202	173	139	1903	43			
	ISP-17/28	18.5	25	315	314	314	311	305	295	281	263	241	215	186	151	1963	45			
	ISP-17/29	18.5	25	326	325	324	321	315	305	290	272	249	222	191	155	2024	46			
	ISP-17/30	18.5	25	336	336	335	332	325	315	299	280	257	229	197	159	2084	47			
	ISP-17/31	18.5	25	347	346	346	342	336	324	309	289	264	236	202	163	2145	49			
	ISP-17/32	18.5	25	358	357	356	353	346	334	318	297	272	242	208	168	2205	50			
	ISP-17/33	18.5	25	368	368	367	363	356	344	327	305	279	249	213	172	2266	52			
	ISP-17/34	22	30	382	381	380	377	369	357	340	318	291	260	223	181	2326	53			
	ISP-17/35	22	30	392	392	391	387	380	367	349	326	299	266	229	185	2387	55			
	ISP-17/36	22	30	403	402	401	398	390	377	358	335	306	273	234	189	2447	56			
	ISP-17/37	22	30	414	413	412	408	400	386	367	343	314	279	240	193	2508	58			
	ISP-17/38	22	30	425	424	423	418	410	396	376	351	321	286	245	197	2568	59			
	ISP-17/39	22	30	435	434	433	429	420	405	385	360	328	292	250	201	2629	60			
	ISP-17/40	22	30	446	445	444	439	430	415	394	368	336	298	255	205	2689	62			
	ISP-17/43	26	35	481	481	479	475	466	450	428	400	366	326	280	227	2750	63			
	ISP-17/45	26	35	503	502	501	496	486	469	446	417	381	339	291	235	2810	65			
	ISP-17/48	26	35	535	534	532	527	516	498	473	441	403	358	306	246	2871	68			
	ISP-17/51	30	40	568	567	561	559	548	529	502	468	428	380	325	261	3054	70			
	ISP-17/53	30	40	590	589	583	581	569	550	522	486	445	395	338	271	3176	72			
	ISP-17/55	37	50	613	612	610	604	591	571	542	505	462	410	351	282	3674	56.3			
	ISP-17/58	37	50	646	645	643	637	623	602	571	533	487	433	370	297	3854	58.8			
	ISP-17/60	37	50	669	667	665	659	645	622	591	551	504	447	382	307	3974	60.5			

SUBMERSIBLE PUMP ISP-30



SUBMERSIBLE PUMP ISP-30



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
3" (inside threaded)

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

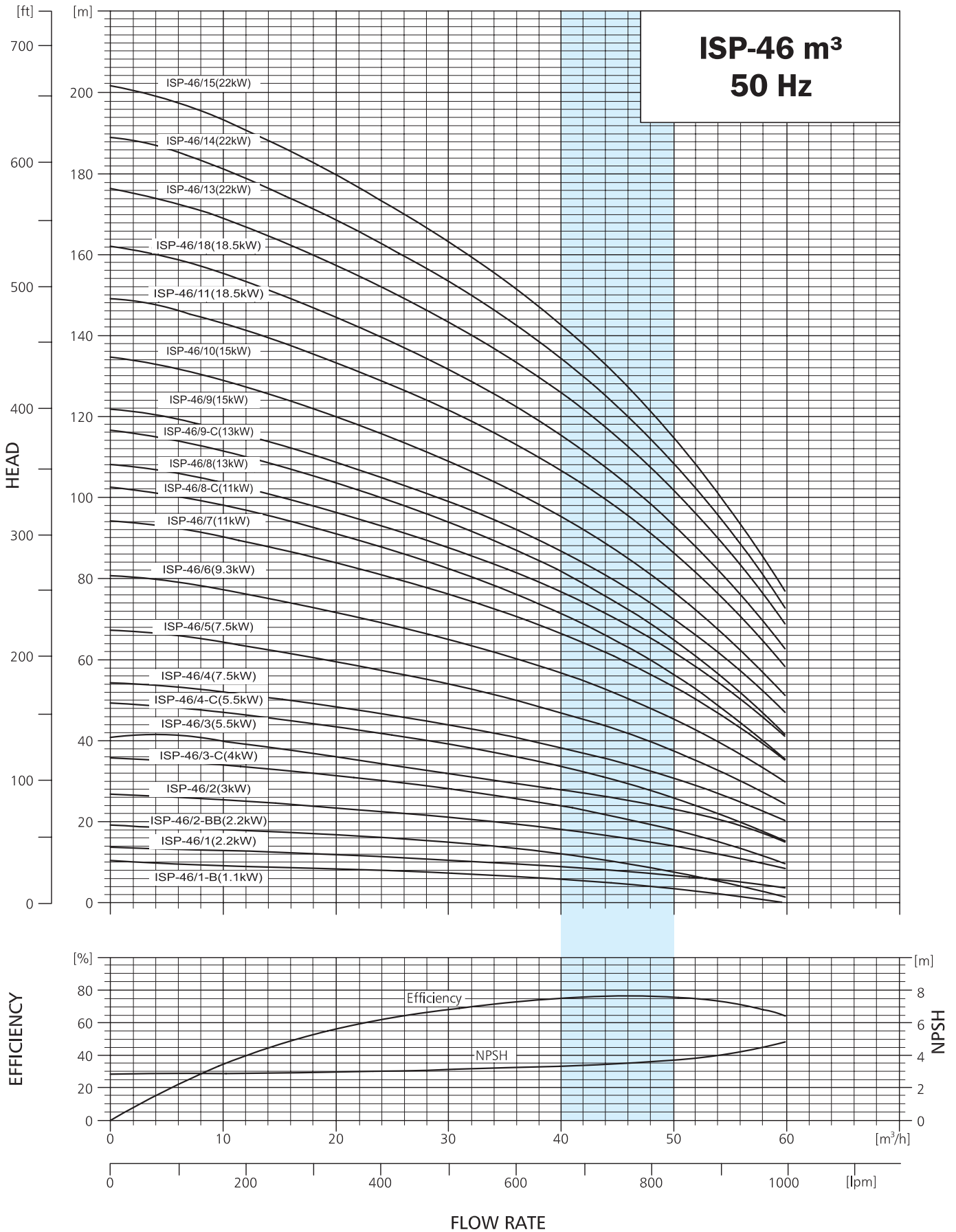
Max. Water Temperature
50°C

Degree Of Protection
IP 68

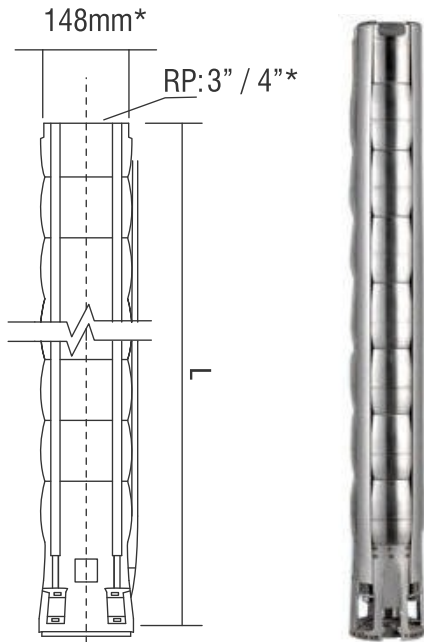
PERFORMANCE TABLE ISP-30

TYPE	MODEL	MOTOR RATING		Q (m ³ /h) Q (lpm)	0	4	8	12	16	20	24	28	32	39	HEIGHT L(MM)	WEIGHT (KG)
		[kW]	[HP]		0	66.7	133.3	200	266.7	333.3	400	466.7	533.3	650		
ISP-30	ISP-30/1	1.1	1.5		11	11	11	10	10	9	8	7	6	3	366	8
	ISP-30/2	2.2	3		23	23	23	21	20	19	17	16	13	8	462	10
	ISP-30/3	3	4		35	35	33	32	30	28	26	23	20	12	558	12
	ISP-30/4	4	5.5		46	46	45	43	40	38	35	32	27	16	649	13
	ISP-30/5	5.5	7.5		58	58	56	54	51	48	45	41	35	22	744	15
	ISP-30/6	5.5	7.5		69	69	67	64	60	57	53	48	41	25	839	17
	ISP-30/7	7.5	10		80	81	79	75	71	67	63	57	49	31	934	19
	ISP-30/8	7.5	10		91	92	89	85	80	76	71	64	55	34	1029	21
	ISP-30/9	9.3	12.5		103	104	101	96	91	86	80	73	63	39	1124	23
	ISP-30/10	9.3	12.5		114	115	111	106	100	95	88	80	69	43	1219	25
	ISP-30/11	9.3	12.5		125	125	122	116	110	103	96	87	75	46	1314	27
	ISP-30/12	11	15		137	137	134	127	121	114	106	97	83	51	1409	29
	ISP-30/13	11	15		148	148	144	137	130	122	114	103	89	55	1504	31
	ISP-30/14	13	17.5		160	161	156	149	141	133	125	113	98	61	1599	33
	ISP-30/15	13	17.5		171	171	167	159	150	142	133	120	104	64	1694	36
	ISP-30/16	15	20		183	184	179	171	162	153	143	130	112	70	1789	38
	ISP-30/17	15	20		194	195	189	180	171	161	151	137	118	74	1884	40
	ISP-30/18	18.5	25		207	208	202	193	183	173	163	148	129	82	1979	42
	ISP-30/19	18.5	25		218	219	213	203	193	182	171	156	135	85	2074	44
	ISP-30/20	18.5	25		229	230	223	213	202	191	179	163	141	89	2169	46
	ISP-30/21	18.5	25		240	241	234	223	212	200	187	170	147	92	2264	48
	ISP-30/22	22	30		252	253	246	235	223	211	198	180	156	99	2359	50
	ISP-30/23	22	30		263	264	257	245	233	220	206	188	162	102	2454	52
	ISP-30/24	22	30		274	275	268	255	242	228	214	195	168	105	2549	54
	ISP-30/25	22	30		285	286	278	265	251	237	221	201	174	108	2644	5
	ISP-30/26	22	30		296	297	288	275	260	245	229	208	179	111	2739	58
	ISP-30/27	26	35		309	310	302	288	274	259	242	221	191	121	2834	60
	ISP-30/28	26	35		320	321	313	298	283	267	250	228	197	124	2929	63
	ISP-30/29	26	35		331	332	323	308	292	276	258	235	203	127	3024	65
ISP-30/30	26	35		342	343	333	318	301	284	266	242	209	130	3119	67	
ISP-30/31	26	35		353	354	344	328	310	293	274	249	215	133	3214	69	
ISP-30/32	30	40		367	368	358	342	324	306	287	262	227	143	3309	71	
ISP-30/33	30	40		378	379	369	352	334	315	295	269	232	146	3404	73	
ISP-30/34	30	40		389	390	379	362	343	324	303	276	238	149	3499	75	
ISP-30/35	30	40		399	401	390	372	352	332	310	283	244	152	3594	77	
ISP-30/39	37	50		445	447	435	416	395	374	351	320	278	176	3974	124	
ISP-30/43	37	50		489	492	478	456	433	409	383	350	303	190	4354	134	
ISP-30/46	45	60		531	535	521	499	475	451	424	389	341	220	4639	142	
ISP-30/49	45	60		565	568	554	530	504	478	450	413	361	233	4924	150	

SUBMERSIBLE PUMP ISP-46



SUBMERSIBLE PUMP ISP-46



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
3\"/>

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

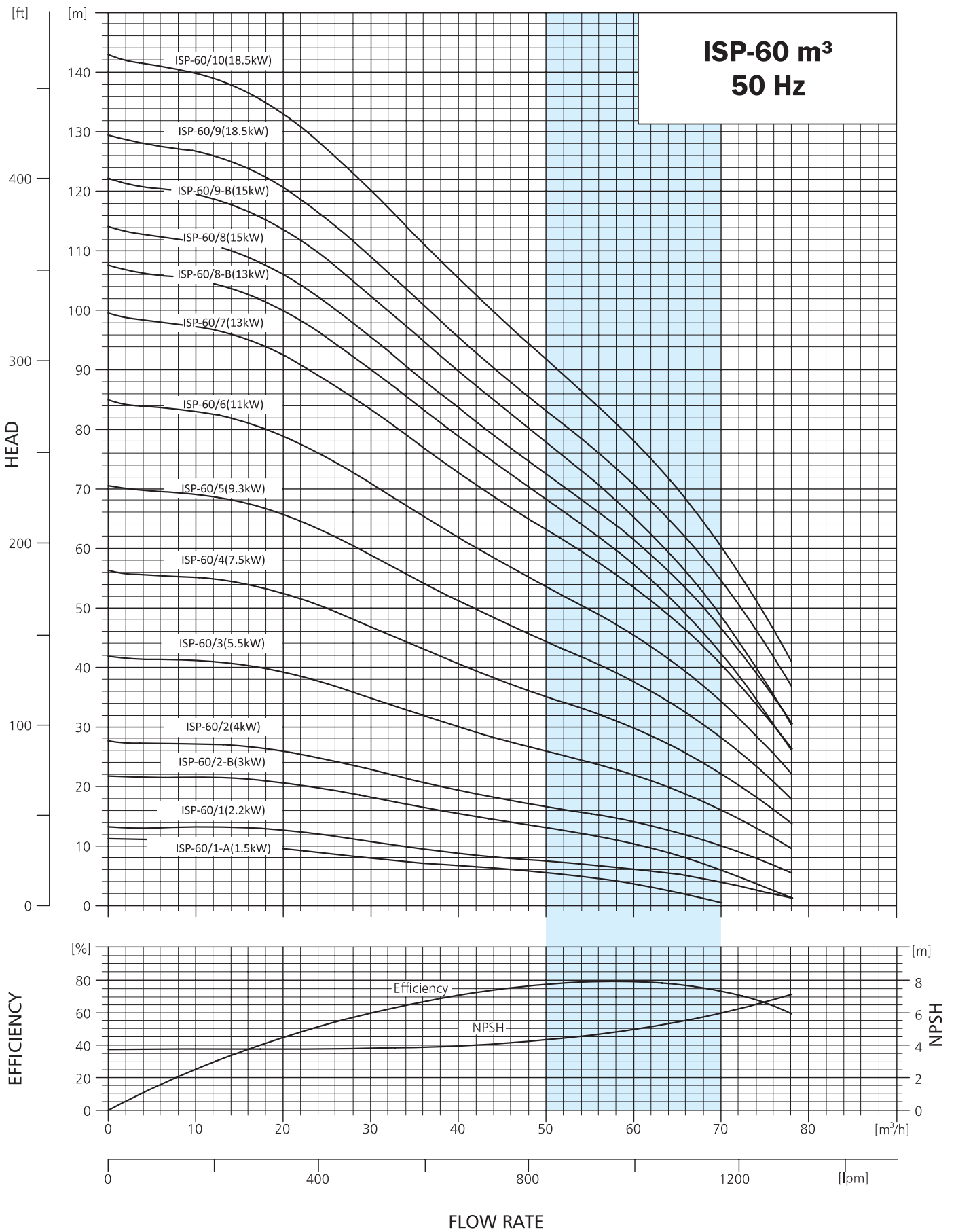
Max. Water Temperature
50°C

Degree Of Protection
IP 68

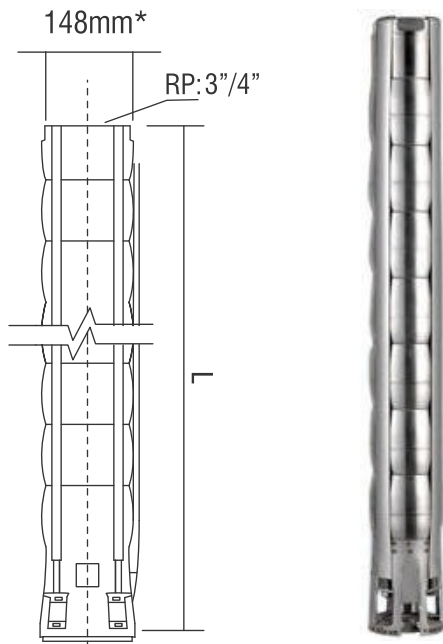
PERFORMANCE TABLE ISP-46

TYPE	MODEL	MOTOR RATING		Q (m ³ /h)	Q (lpm)															HEIGHT L(MM)	WEIGHT (KG)
		[kW]	[HP]		0	5	10	15	20	25	30	35	40	45	50	55	59.8				
ISP-46	ISP-46/2-BB	2.2	3	19	19	18	17	17	16	15	14	12	10	8	5	1	480	8			
	ISP-46/2	3	4	27	26	25	24	23	22	21	20	18	16	14	11	9	480	8			
	ISP-46/3-C	4	5.5	36	35	34	33	31	30	28	26	24	21	18	14	10	593	11			
	ISP-46/3	5.5	7.5	41	41	40	38	36	34	32	30	28	26	23	20	15	606	12			
	ISP-46/4-C	5.5	7.5	49	48	47	45	43	41	39	37	34	30	26	21	15	706	13			
	ISP-46/4	7.5	10	54	53	52	50	48	46	44	41	38	35	31	26	20	718	15			
	ISP-46/5	7.5	10	67	66	64	62	60	57	54	51	47	43	37	31	24	830	18			
	ISP-46/6	9.3	12.5	81	79	77	75	72	69	65	61	57	51	45	38	30	942	20			
	ISP-46/7	11	15	94	93	90	87	84	80	76	72	66	61	53	45	35	1054	23			
	ISP-46/8-C	11	15	103	101	98	95	91	87	82	77	71	65	56	46	36	1175	22			
	ISP-46/8	13	17.5	108	106	104	100	96	92	88	83	77	70	62	52	41	1166	26			
	ISP-46/9-C	13	17.5	117	115	112	108	104	99	94	88	82	74	65	54	42	1288	24			
	ISP-46/9	15	20	122	120	117	113	109	104	99	93	87	79	70	59	47	1278	28			
	ISP-46/10	15	20	135	132	129	125	120	115	109	103	95	87	77	65	51	1390	31			
	ISP-46/11	18.5	25	149	147	143	138	133	128	122	115	107	97	86	73	59	1502	34			
	ISP-46/12	18.5	25	162	159	155	150	145	138	132	124	115	105	93	79	63	1614	36			
	ISP-46/13	22	30	176	173	169	163	157	151	143	135	126	115	102	86	69	1726	39			
	ISP-46/14	22	30	189	186	181	175	169	161	153	144	134	122	108	92	73	1838	42			
	ISP-46/15	22	30	202	198	193	187	180	172	163	154	143	130	115	97	77	1950	44			
	ISP-46/16	26	35	217	213	208	201	193	185	176	166	155	141	125	106	85	2062	47			
	ISP-46/17	26	35	229	226	220	213	205	196	186	175	163	149	132	112	89	2174	49			
	ISP-46/18	30	40	244	241	234	227	219	209	199	188	175	160	142	121	97	2286	52			
	ISP-46/19	30	40	257	253	247	239	230	220	209	197	183	167	148	126	101	2398	55			
	ISP-46/20	30	40	270	265	259	251	241	230	219	206	192	175	155	132	105	2510	57			
	ISP-46/21	37	50	285	280	273	265	255	245	234	221	206	188	167	143	115	2622	60			
	ISP-46/22	37	50	298	293	286	277	267	256	244	230	215	196	174	148	119	2734	63			
	ISP-46/23	37	50	311	306	298	289	278	267	254	240	223	204	181	154	124	2846	65			
	ISP-46/24	37	50	324	318	310	300	289	277	264	249	232	212	188	160	128	2958	68			
	ISP-46/26	45	60	357	351	343	332	321	308	295	279	261	239	214	183	149	3182	73			
	ISP-46/28	45	60	383	377	368	357	345	331	316	299	280	256	229	196	159	3406	79			
	ISP-46/30	45	60	410	403	393	381	368	353	337	319	298	273	244	208	169	3630	84			
	ISP-46/33	55	75	452	445	435	422	407	391	374	354	331	303	271	232	189	3966	92			

SUBMERSIBLE PUMP ISP-60



SUBMERSIBLE PUMP ISP-60



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
3"/4" (inside threaded)

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

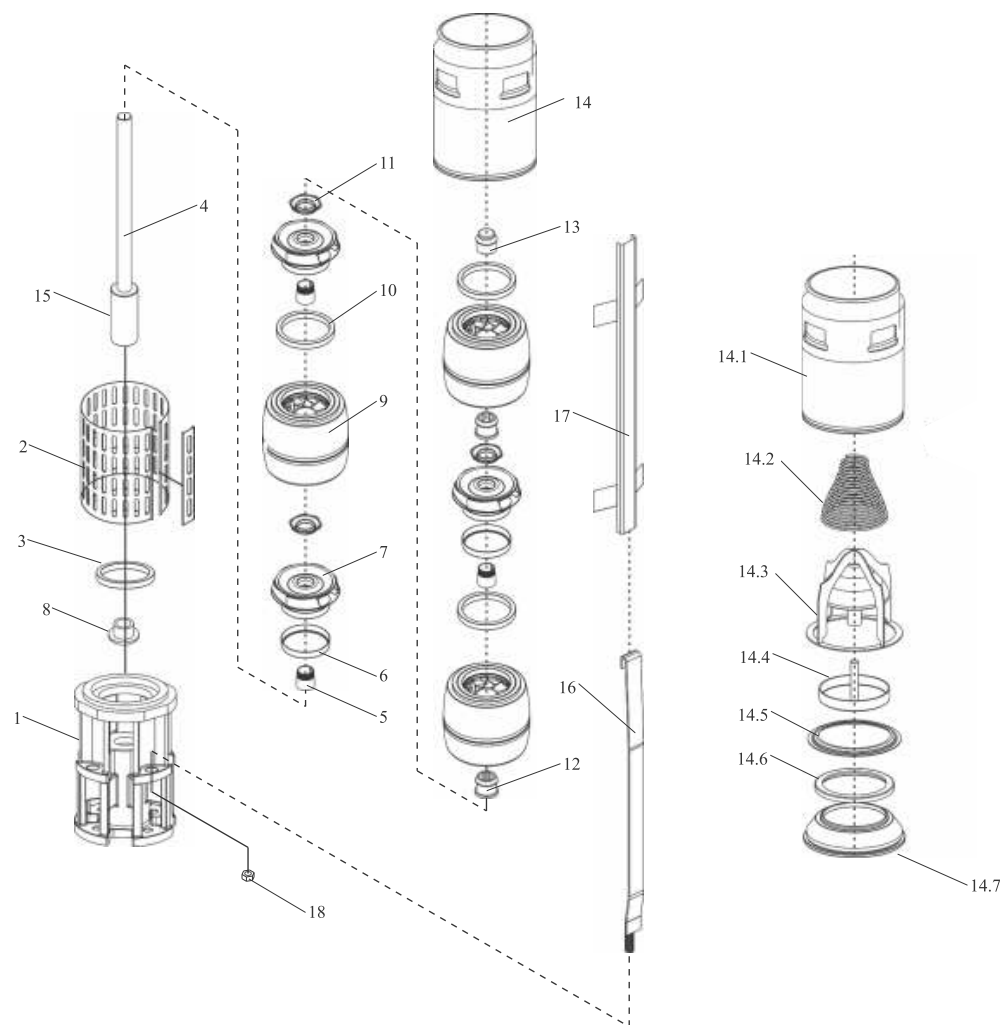
Max. Water Temperature
50°C

Degree Of Protection
IP 68

PERFORMANCE TABLE ISP-60

TYPE	MODEL	MOTOR RATING		Q (m ³ /h) Q (lpm)	0	10	20	30	40	50	60	70	78	HEIGHT L(MM)	WEIGHT (KG)
		[kW]	[HP]		0	166.7	333.3	500	666.7	833.3	1000	1166.7	1300		
ISP-60	ISP-60/1-A	1.5	2	Head (m)	12	11	9	8	7	5	4	1	0	367	6
	ISP-60/1	2.2	3		13	14	13	11	9	7	6	4	1	367	6
	ISP-60/2-B	3	4		22	22	21	18	15	13	10	6	1	480	8
	ISP-60/2	4	5.5		28	27	26	23	19	17	14	10	5	494	10
	ISP-60/3	5.5	7.5		42	41	39	35	30	26	22	16	10	606	12
	ISP-60/4	7.5	10		56	55	52	47	41	35	30	22	14	718	15
	ISP-60/5	9.3	12.5		71	69	66	59	51	44	38	28	18	830	18
	ISP-60/6	11	15		85	83	79	71	62	54	45	34	22	942	20
	ISP-60/7	13	17.5		99	97	92	83	73	63	53	40	26	1054	23
	ISP-60/8-B	13	17.5		108	105	100	90	79	68	57	42	26	1175	22
	ISP-60/8	15	20		114	112	106	96	84	73	61	47	31	1166	26
	ISP-60/9-B	15	20		122	119	113	102	90	78	65	48	30	1288	24
	ISP-60/9	18.5	25		129	127	121	109	95	83	71	54	37	1278	28
	ISP-60/10	18.5	25		143	140	133	120	105	92	78	60	41	1390	31
	ISP-60/11	22	30		158	154	147	133	116	101	86	67	45	1502	34
	ISP-60/12	22	30		171	167	159	144	126	110	94	72	50	1614	36
	ISP-60/13	26	35		187	183	174	157	138	120	103	79	54	1726	39
	ISP-60/14	26	35		200	196	186	168	148	129	110	85	58	1838	42
	ISP-60/15	26	35		214	209	198	179	157	136	116	89	60	1950	44
	ISP-60/16	30	40		230	224	213	192	169	147	125	96	65	2062	47
	ISP-60/17	30	40		243	237	225	203	179	155	132	101	69	2174	50
	ISP-60/18	37	50		260	254	242	219	193	168	143	111	77	2286	52
	ISP-60/19	37	50		274	268	255	231	203	177	151	117	81	2398	55
	ISP-60/20	37	50		287	281	267	242	213	186	158	123	85	2510	58
	ISP-60/21	37	50		301	294	279	253	223	194	166	129	89	2622	60
	ISP-60/22	45	60		323	316	302	274	242	211	181	14	100	2734	63
	ISP-60/24	45	60		352	345	329	299	264	230	197	155	109	2958	68
	ISP-60/26	55	75		381	374	356	324	286	249	213	168	118	3182	73
	ISP-60/28	55	75		411	402	384	349	308	269	230	181	127	3406	79
	ISP-60/30	55	75		440	431	411	374	330	287	246	194	136	3630	84

8" & 10" ISP SERIES EXPLODED VIEW



Part No.	Part Name
1	Suction Housing
2	Strainer
3	Suction Housing Wear Ring
4	Pump Shaft
5	Split Cone
6	Impeller Wear Ring
7	Impeller
8	Up Thrust Bush
9	Diffuser
10	Diffuser Wear Ring
11	Split Cone Nut
12	Bush Bearing
13	Upper Bearing
14	Discharge Housing Assembly
14.1	Discharge Housing
14.2	Check Valve Spring
14.3	Check Valve Guide
14.4	Check Valve Disc
14.5	Seat Retainer
14.6	Check Valve Seat
14.7	Seat Retainer
15	Coupling
16	Locking Strap
17	Cable Guard
18	Locking Strap Nut

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

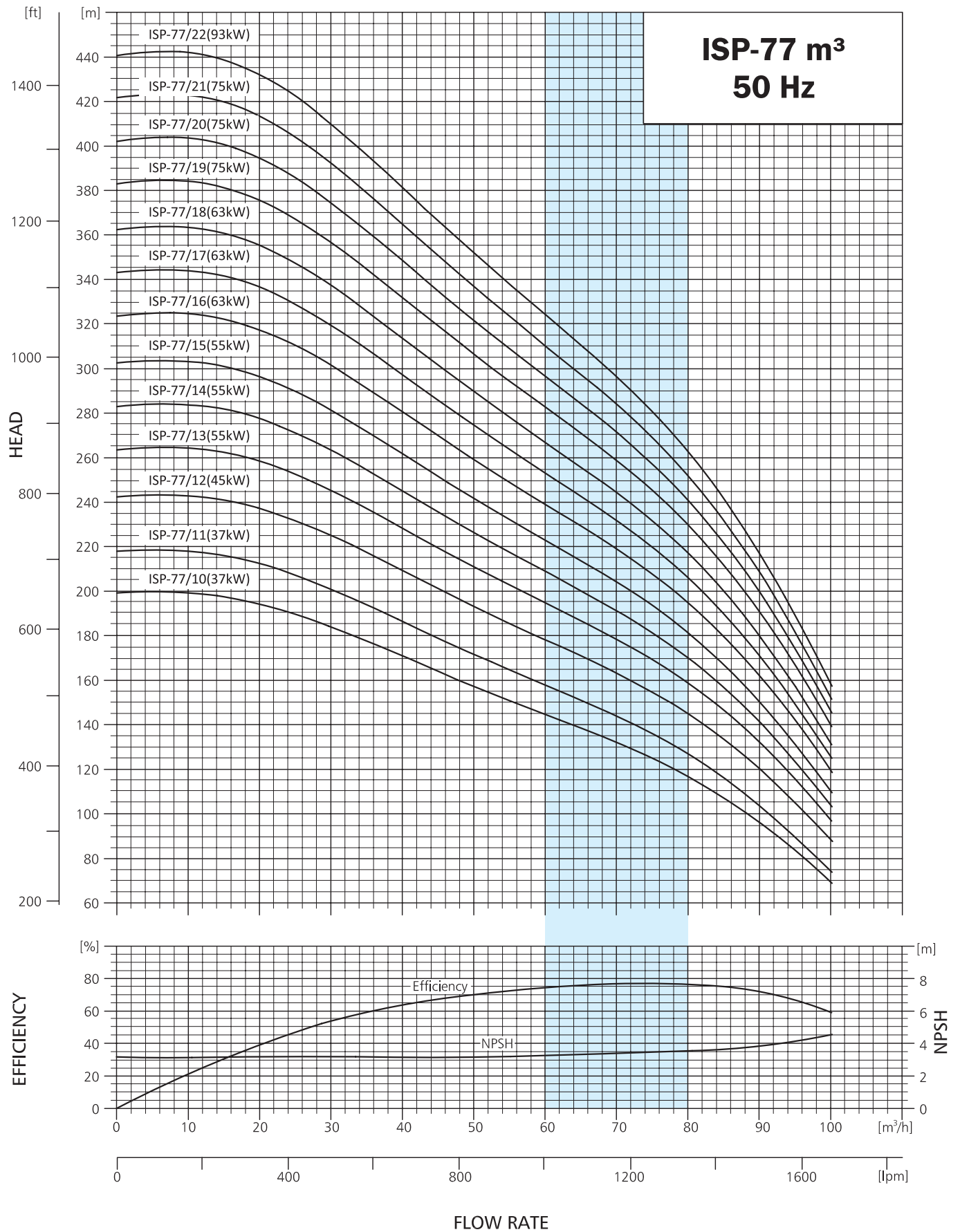
Specification

Pumped Liquids	
Non-aggressive, non explosive, pure, cold, Fresh water without abrasive particles having the following characteristics.	
pH	6.5 to 8.5
Turbidity	50ppm silica scale(max.)
Viscosity	1.75x10 ⁶ m ² / Sec (max.)
Hardness (Drinking Water)	300 (max.)
Specific gravity	1.004 (max.)
Allowable solids	3000 ppm (max)
Chlorine ion density	500 ppm (max.)
Permissible amount of sand	50 g/ m ³ (max.)
Temperature	38°C (max.) NBR 90°C VITON

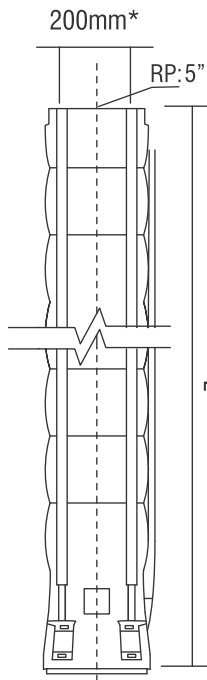
Pump Operating Limitations

Nominal Diameter	8"	
Power Range	5.5 kW – 110 kW	
Speed	2900 rpm	
Flow Range	lpm	330 - 2100
	m ³ /h	20 - 126
Max.Recommended Head	ft	26.24 - 1561
	m	8 - 476
Delivery size mm	100 & 125	
Max.Operating Pressure	4.8 Mpa (48bar)	
Horizontal installation	Minimum 30° angle	

SUBMERSIBLE PUMP ISP-77



SUBMERSIBLE PUMP ISP-77



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
5" (inside threaded)

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

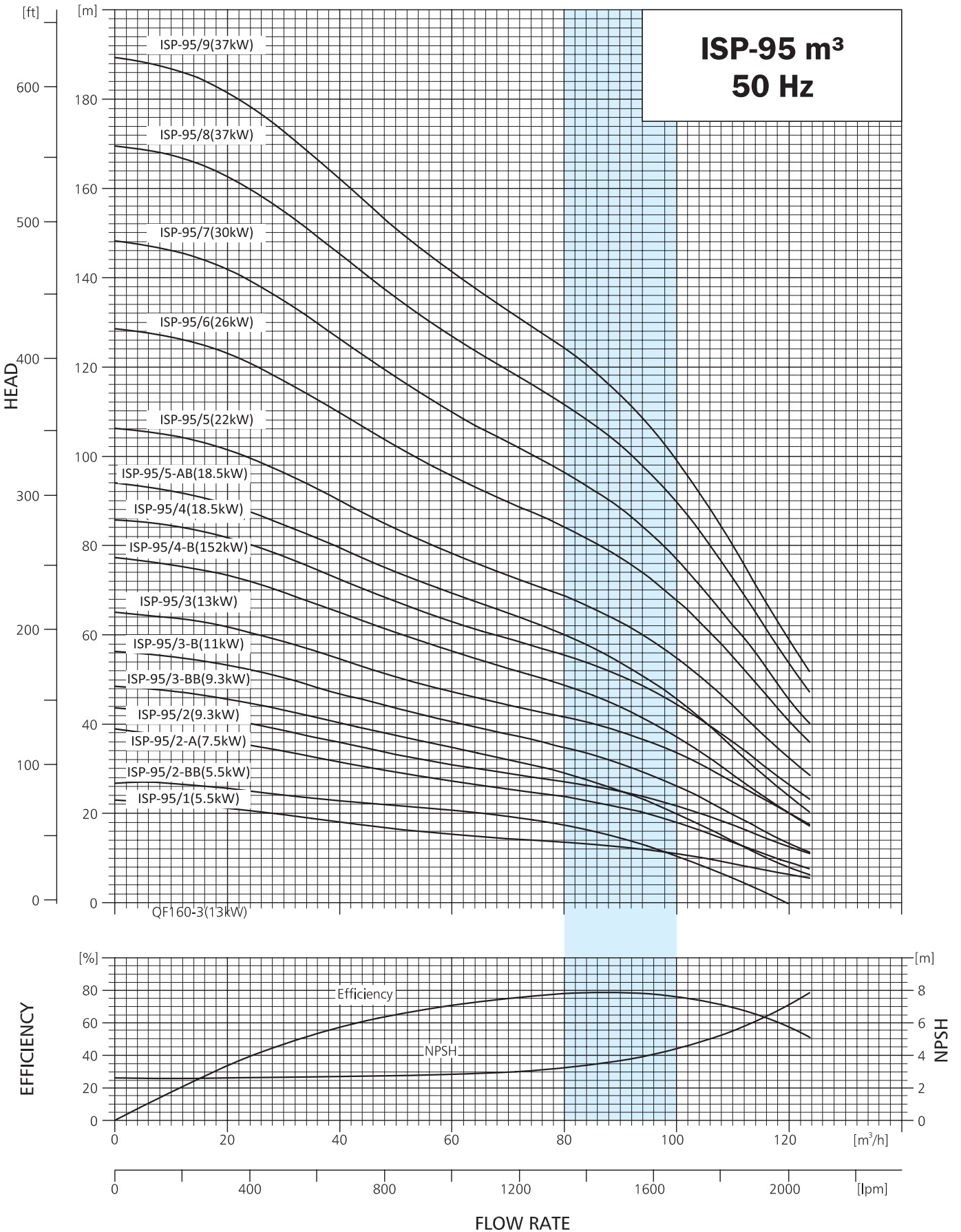
Max. Water Temperature
50°C

Degree Of Protection
IP 68

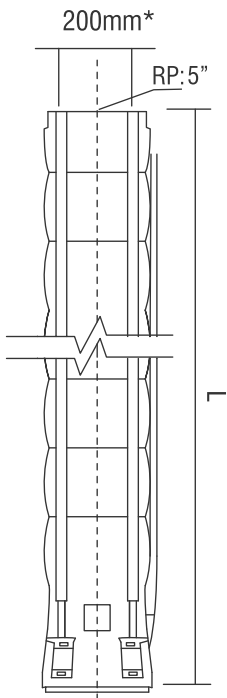
PERFORMANCE TABLE ISP-77

TYPE	MODEL	MOTOR RATING		Q (m ³ /h)	Head (m)													HEIGHT L(MM)	WEIGHT (KG)
		[kW]	[HP]		0	10	20	30	40	50	60	70	80	90	100				
ISP-77	ISP-77/1	5.5	7.5	21	21	20	18	17	15	14	13	12	10	7	626	21			
	ISP-77/2-B	5.5	7.5	33	32	31	29	27	25	22	20	16	12	7	754	24			
	ISP-77/2	7.5	10	41	40	39	36	33	31	28	26	23	18	13	754	24			
	ISP-77/3-B	9.3	12.5	53	52	51	48	44	40	37	33	28	22	14	882	28			
	ISP-77/3	11	15	61	60	58	55	50	46	42	39	34	28	20	882	28			
	ISP-77/4-B	13	18	73	72	70	66	61	56	51	46	40	31	21	1010	31			
	ISP-77/4	15	20	81	80	78	73	68	62	57	52	46	38	27	1010	31			
	ISP-77/5	18.5	25	100	100	97	92	85	78	72	66	58	47	34	1138	35			
	ISP-77/6	22	30	120	120	116	110	102	94	86	78	69	56	41	1266	38			
	ISP-77/7	26	35	140	140	136	129	119	110	101	92	81	66	48	1394	42			
	ISP-77/8-B	26	35	152	151	147	139	129	118	108	98	85	68	47	1522	46			
	ISP-77/8	30	40	160	160	156	147	137	126	116	105	93	76	55	1522	46			
	ISP-77/9	30	40	179	179	174	164	152	140	129	117	103	85	61	1650	49			
	ISP-77/10	37	50	200	199	194	184	171	157	145	132	117	96	69	1778	46			
	ISP-77/11	37	50	218	218	212	201	186	172	158	144	127	104	74	1906	50			
	ISP-77/12	45	60	242	243	237	225	209	193	178	163	145	120	88	2034	53			
	ISP-77/13	55	75	264	264	258	245	228	211	195	178	159	132	98	2162	57			
	ISP-77/14	55	75	283	284	277	263	245	226	209	191	170	141	104	2290	60			
	ISP-77/15	55	75	303	303	296	281	262	242	223	204	181	150	110	2418	64			
	ISP-77/16	63	85	324	325	317	301	281	259	239	219	195	162	119	2546	68			
	ISP-77/17	63	85	343	344	336	319	297	274	253	232	206	171	126	2674	71			
	ISP-77/18	63	85	363	363	355	337	314	290	267	244	217	180	132	2802	75			
ISP-77/19	75	100	383	384	376	357	332	307	283	259	230	191	140	2930	78				
ISP-77/20	75	100	402	404	395	375	349	322	297	271	241	200	146	3058	82				
ISP-77/21	75	100	422	424	415	393	366	338	310	285	253	208	153	3159	85				
ISP-77/22	93	125	441	442	432	410	382	351	324	298	263	216	161	3259	109				

SUBMERSIBLE PUMP ISP-95



SUBMERSIBLE PUMP ISP-95



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
5" (inside threaded)

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

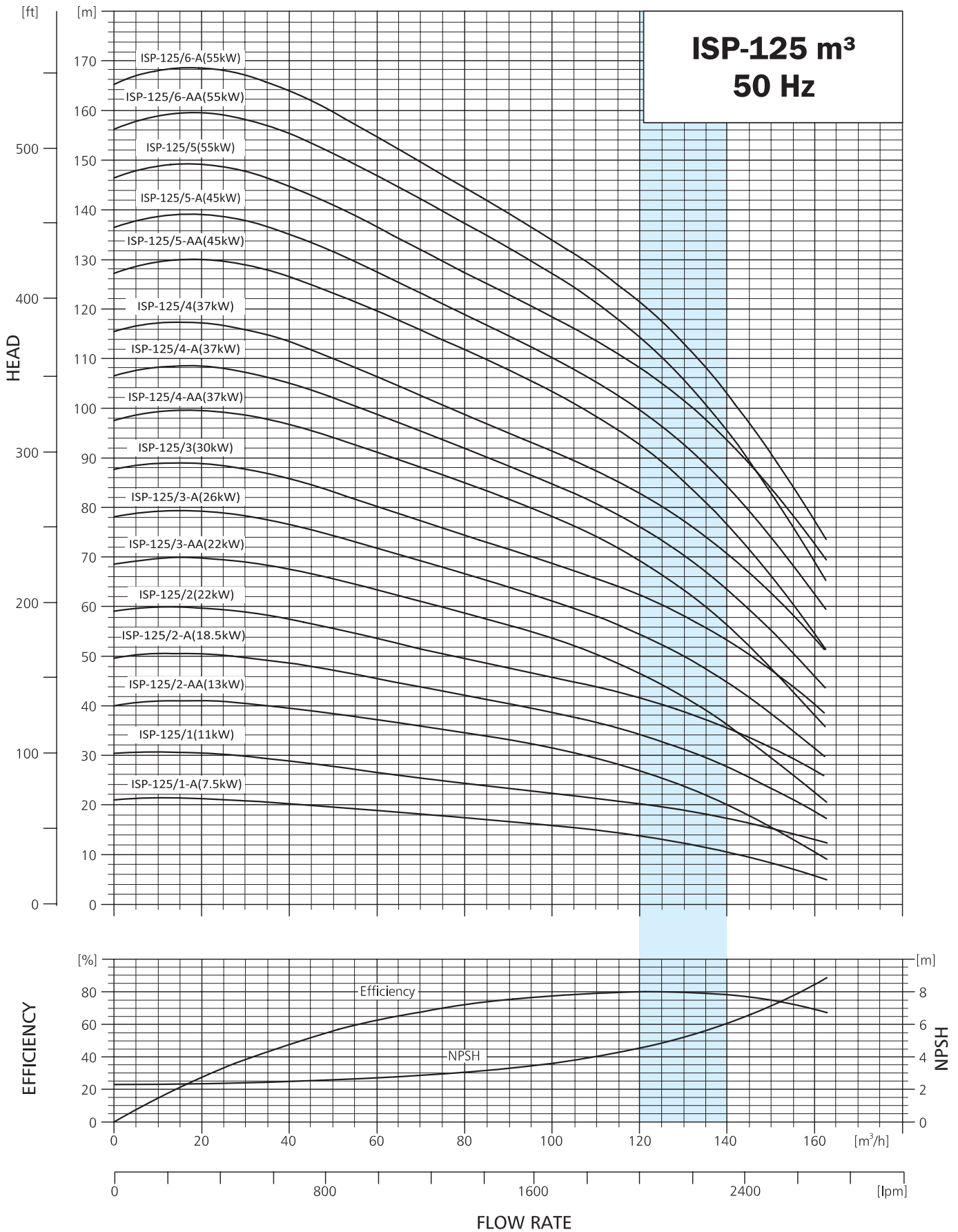
Max. Water Temperature
50°C

Degree Of Protection
IP 68

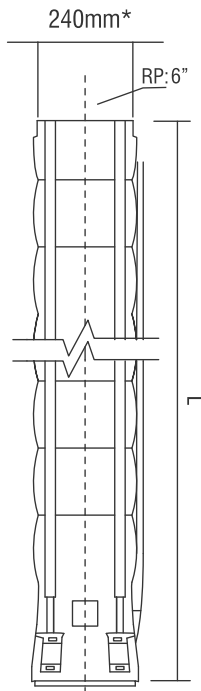
PERFORMANCE TABLE ISP-95

TYPE	MODEL	MOTOR RATING		Q (m ³ /h)	Head (m)																HEIGHT L (MM)	WEIGHT (KG)
		[kW]	[HP]		0	10	20	30	40	50	60	70	80	90	100	110	120	122				
ISP-95	ISP-95/1	5.5	7.5	23	22	21	20	18	17	15	14	13	13	11	9	6	6	617	21			
	ISP-95/2-BB	5.5	7.5	27	27	26	24	23	22	21	19	17	14	10	5	0	-	754	24			
	ISP-95/2-A	7.5	10	39	37	36	34	32	29	27	26	24	21	18	14	9	8	754	24			
	ISP-95/2	9.3	12.5	44	43	41	39	36	33	31	29	27	25	22	17	13	12	746	24.7			
	ISP-95/3-BB	9.3	12.5	49	47	46	43	40	37	35	32	29	25	20	14	8	7	882	28			
	ISP-95/3-B	11	15	56	55	53	50	47	44	41	38	35	31	26	20	13	12	882	28			
	ISP-95/3	13	17.5	65	64	62	58	55	51	47	44	42	38	33	27	20	19	875	28.6			
	ISP-95/4-B	15	20	77	76	73	70	65	60	56	53	49	44	37	29	20	18	1010	31			
	ISP-95/4	18.5	25	86	84	82	78	73	67	63	59	55	51	44	36	26	25	1004	32.5			
	ISP-95/5-AB	18.5	25	94	92	89	85	79	74	69	65	60	54	45	35	24	22	1138	35			
	ISP-95/5	22	30	106	105	101	96	90	84	78	73	69	63	55	44	32	30	1133	36.4			
	ISP-95/6	26	35	129	127	123	117	110	102	96	90	84	77	68	55	41	38	1262	40.4			
	ISP-95/7	30	40	148	146	142	135	126	118	110	103	96	88	77	62	46	43	1391	44.3			
	ISP-95/8	37	50	170	167	163	155	145	136	127	119	112	102	90	73	54	50	1520	48.2			
	ISP-95/9	37	50	189	187	182	173	162	151	141	133	124	114	99	80	59	55	1649	52.1			
	ISP-95/10	45	60	214	212	206	197	185	173	162	152	143	132	116	95	71	66	1778	56.1			
	ISP-95/11	55	75	237	234	228	217	205	191	179	169	158	146	129	106	79	74	1907	60			
	ISP-95/12	55	75	257	254	248	236	222	208	195	183	172	158	140	115	86	80	2036	63.9			
	ISP-95/13	55	75	278	275	267	255	240	224	210	198	185	170	150	123	92	86	2165	67.9			
	ISP-95/14	63	85	300	297	289	276	259	243	227	214	201	185	163	134	100	93	2294	71.8			
ISP-95/15	75	100	321	318	310	296	278	260	244	230	215	198	175	144	107	100	2423	75.7				
ISP-95/16	75	100	342	338	329	314	296	277	259	244	229	211	186	152	114	106	2552	79.6				
ISP-95/17	75	100	362	358	349	333	313	293	275	258	242	223	196	160	120	112	2681	83.6				
ISP-95/18	93	125	382	378	368	352	331	309	290	272	255	235	206	169	125	117	2810	87.5				
ISP-95/19	93	125	402	398	388	370	348	325	305	287	269	247	216	177	131	122	2939	91.4				
ISP-95/20	93	125	423	418	407	388	365	341	320	301	281	258	226	184	137	128	3068	95.4				

SUBMERSIBLE PUMP ISP-125



SUBMERSIBLE PUMP ISP-125



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
6" (inside threaded)

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

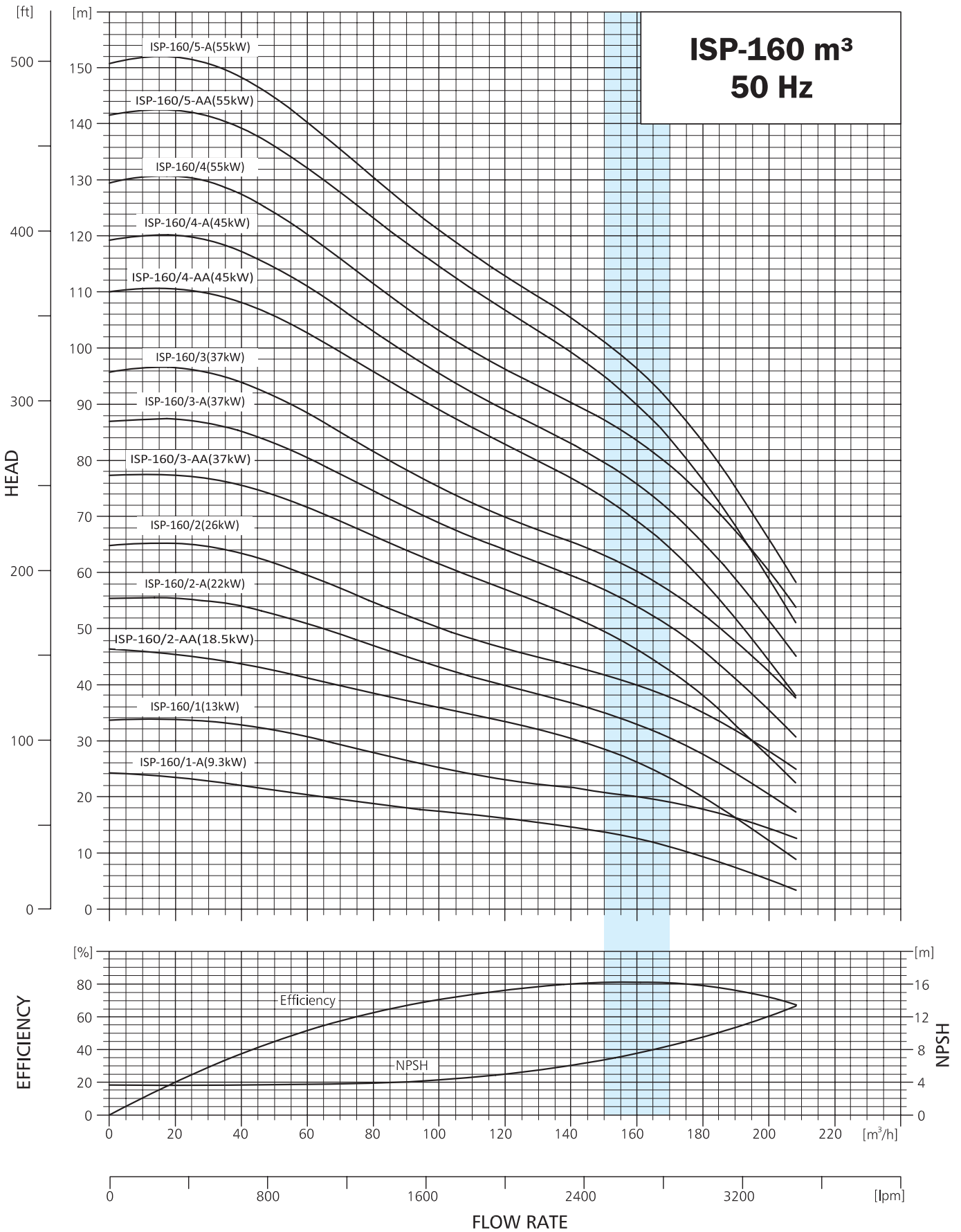
Max. Water Temperature
50°C

Degree Of Protection
IP 68

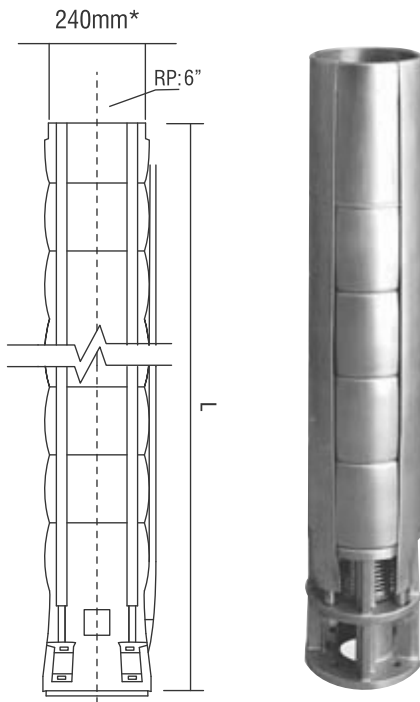
PERFORMANCE TABLE ISP-125

TYPE	MODEL	MOTOR RATING		Q (m ³ /h) Q (lpm)	0	60	70	80	90	100	110	120	130	140	150	160	162	HEIGHT L (MM)	WEIGHT (KG)
		[kW]	[HP]		0	1000	1167	1333	1500	1667	1833	2000	2167	2333	2500	2667	2700		
ISP-125	ISP-125/1A	7.5	10	21	19	18	17	17	16	15	14	12	10	8	6	5	641	27	
	ISP-125/1	11	15	30	27	25	24	23	22	21	20	19	17	15	13	13	641	27	
	ISP-125/2AA	13	17.5	40	37	36	35	33	31	29	27	24	20	16	11	10	797	33	
	ISP-125/2A	18.5	25	50	45	44	42	40	39	37	34	31	28	23	19	18	797	33	
	ISP-125/2	22	30	59	54	52	50	48	46	44	42	39	35	32	27	26	797	33	
	ISP-125/3AA	22	30	69	63	61	59	56	54	50	47	42	36	30	22	21	953	39	
	ISP-125/3A	26	35	78	72	69	67	64	61	58	54	50	45	38	31	30	953	39	
	ISP-125/3	30	40	88	80	77	74	72	69	66	62	58	53	47	40	39	953	39	
	ISP-125/4AA	37	50	98	91	88	85	82	78	74	69	63	56	48	38	36	1109	45	
	ISP-125/4A	37	50	107	99	95	92	88	85	81	76	70	63	55	46	44	1109	45	
	ISP-125/4	37	50	116	106	102	99	95	91	87	83	77	71	63	54	52	1109	45	
	ISP-125/5AA	45	60	127	120	116	112	108	103	98	93	85	77	66	54	52	1265	51	
	ISP-125/5A	45	60	136	127	123	119	115	110	105	100	93	84	74	63	60	1265	51	
	ISP-125/5	55	75	146	137	132	127	123	118	114	108	102	93	84	72	70	1265	51	
	ISP-125/6AA	55	75	156	147	142	137	132	127	121	114	106	95	83	69	66	1421	57	
	ISP-125/6A	55	75	165	155	150	144	139	134	128	121	113	103	91	77	74	1421	57	
	ISP-125/6	63	85	175	164	158	153	147	142	136	130	122	112	100	87	84	1421	57	
	ISP-125/7AA	63	85	185	174	168	163	157	151	144	136	126	114	100	83	80	1577	63	
	ISP-125/7A	63	85	194	182	176	170	164	158	151	143	133	122	107	92	88	1577	63	
	ISP-125/7	75	100	204	191	184	178	172	165	159	151	142	130	117	101	97	1577	63	
	ISP-125/8AA	75	100	214	201	194	188	181	174	166	157	146	132	116	97	93	1733	70	
	ISP-125/8A	75	100	223	209	202	195	188	181	173	164	153	139	123	105	101	1733	70	
	ISP-125/8	75	100	232	216	209	202	195	188	180	171	160	147	131	113	109	1733	70	
	ISP-125/9AA	93	125	241	227	219	212	204	196	187	177	164	149	130	110	105	1889	76	
	ISP-125/9A	93	125	250	234	226	219	211	203	194	184	171	156	138	117	113	1889	76	
	ISP-125/9	93	125	260	242	234	226	218	209	201	191	178	163	146	125	121	1889	76	
	ISP-125/10AA	93	125	269	252	244	235	227	218	208	196	182	165	144	121	117	2045	82	
	ISP-125/10A	93	125	278	260	251	242	233	224	214	203	189	172	152	129	124	2045	82	
	ISP-125/10	93	125	287	267	258	249	240	231	221	210	196	179	159	137	132	2045	82	
	ISP-125/11	110	150	316	294	284	274	264	254	243	231	216	197	175	151	145	2201	91	
	ISP-125/12	132	177	345	321	310	299	288	277	265	252	236	215	191	165	158	2357	97	
	ISP-125/13	132	177	377	353	342	330	320	307	295	280	262	242	215	188	185	2513	104	
	ISP-125/14	147	204	406	380	368	355	345	331	318	302	282	261	232	202	199	2669	110	
ISP-125/15	147	204	435	407	395	381	369	354	340	323	302	279	248	217	213	2825	116		
ISP-125/16	185	252	464	434	421	406	394	378	363	345	322	298	265	231	228	2981	122		
ISP-125/17	185	252	493	462	447	432	418	401	386	366	343	316	281	246	242	3137	128		

SUBMERSIBLE PUMP ISP-160



SUBMERSIBLE PUMP ISP-160



Diffuser
Stainless steel (AISI 304L)

Impeller
Stainless steel (AISI 304L)

Pump Shaft
Stainless steel (AISI 431)

Coupling
Stainless steel (AISI 304/410)

Strainer
Stainless steel (AISI 304)

Outlet Connection Diameter
6" (inside threaded)

Max. Sand Content
50 gr / m³

Valve Cap
Stainless steel

Voltage
380-415 V (+%6 / -%10)

Frequency
50 Hz.

Max. Water Temperature
50°C

Degree Of Protection
IP 68

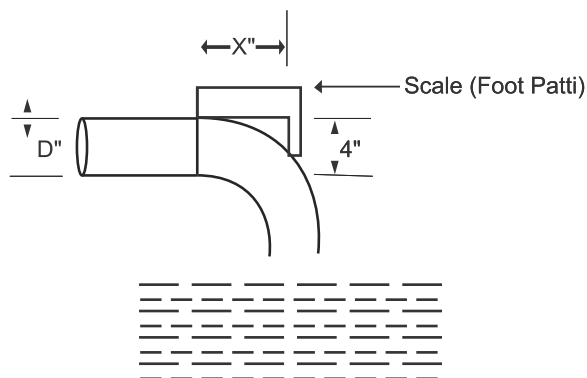
PERFORMANCE TABLE ISP-160

TYPE	MODEL	MOTOR RATING		Q (m ³ /h) Q (lpm)	0	80	90	100	110	120	130	140	150	160	170	180	190	200	208	HEIGHT L(MM)	WEIGHT (KG)
		[kW]	[HP]		0	1333	1500	1667	1833	2000	2167	2333	2500	2667	2833	3000	3167	3333	3467		
ISP-160	ISP-160/1A	9,3	12,5	24	19	18	17	17	16	15	15	14	13	11	9	7	5	3	641	26	
	ISP-160/1	13	17,5	34	28	26	25	24	23	22	22	21	20	19	18	16	14	13	641	26	
	ISP-160/2AA	18,5	25	46	38	37	36	35	33	32	30	29	26	23	20	16	12	9	797	33	
	ISP-160/2A	22	30	55	47	45	43	41	40	38	37	35	33	31	28	24	20	17	797	33	
	ISP-160/2	26	35	65	55	52	50	48	47	45	43	42	40	38	35	32	28	25	797	33	
	ISP-160/3AA	30	40	77	67	64	62	59	57	55	52	49	46	42	38	33	27	23	953	39	
	ISP-160/3A	37	50	87	75	72	69	66	64	62	59	57	54	50	46	41	35	31	953	39	
	ISP-160/3	37	50	96	82	78	75	72	70	68	65	63	60	57	53	48	42	38	953	39	
	ISP-160/4AA	45	60	110	96	92	89	86	83	80	77	73	69	64	58	52	44	38	1109	45	
	ISP-160/4A	45	60	119	103	99	95	92	89	86	83	80	76	71	65	59	51	45	1109	45	
	ISP-160/4A	55	75	129	111	107	103	100	96	93	90	87	83	79	74	67	60	54	1109	45	
	ISP-160/5AA	55	75	142	123	119	114	111	107	103	99	95	90	84	76	68	59	51	1265	51	
	ISP-160/51A	55	75	151	130	126	121	117	113	109	105	101	96	90	83	75	66	58	1265	51	
	ISP-160/5	63	85	161	139	133	129	124	120	116	113	109	104	98	91	83	74	67	1265	51	
	ISP-160/6AA	63	85	173	150	145	140	135	131	126	121	116	110	103	94	84	73	64	1421	58	
	ISP-160/6A	75	100	183	158	153	147	142	137	133	128	123	118	111	102	92	81	72	1421	58	
	ISP-160/6	75	100	192	166	159	154	148	144	139	135	130	124	117	109	99	88	79	1421	58	
	ISP-160/7AA	75	100	204	177	171	165	159	154	149	143	137	130	122	112	100	87	76	1577	64	
	ISP-160/7A	93	125	213	184	177	171	165	160	155	149	144	137	128	118	107	94	84	1577	64	
	ISP-160/7	93	125	222	191	184	177	171	166	161	155	150	143	135	125	113	101	91	1577	64	
	ISP-160/8AA	93	125	234	203	195	188	182	176	170	164	157	149	139	127	114	99	87	1733	70	
	ISP-160/8A	93	125	243	210	202	195	188	182	176	170	163	155	145	134	121	106	94	1733	70	
	ISP-160/8	93	125	252	217	208	201	194	188	182	176	169	161	152	140	127	113	101	1733	70	
	ISP-160/9AA	110	150	266	231	223	215	207	201	194	187	179	170	159	146	131	115	102	1889	80	
	ISP-160/9A	110	150	275	238	229	221	214	207	200	193	186	177	166	153	138	122	109	1889	80	
	ISP-160/9	110	150	284	245	236	227	220	213	206	199	192	183	172	160	145	129	116	1889	80	
	ISP-160/10AA	110	150	296	257	248	239	230	223	216	208	199	189	177	162	145	128	113	2045	86	
	ISP-160/10A	132	177	306	264	254	246	238	230	222	214	207	197	184	170	153	135	121	2045	86	
ISP-160/10	132	177	316	272	262	252	244	237	229	221	213	203	191	178	161	143	129	2045	86		
ISP-160/11	132	177	348	299	288	277	268	261	252	243	234	223	210	196	177	157	142	2201	93		
ISP-160/12	150	204	384	332	320	310	300	290	280	272	262	252	237	220	202	180	162	2357	99		
ISP-160/13	185	252	416	360	347	336	325	314	303	295	284	273	257	238	219	195	176	2513	105		
ISP-160/14	185	252	414	357	345	334	323	312	301	293	282	271	255	237	217	194	174	2669	111		

PIPE FLOW RATE

HORIZONTAL DISTANCE (X) IN INCHES	NOMINAL PIPE DIAMETER (D)									
	1"	1¼"	1½"	2"	2½"	3"	4"	5"	6"	
4	2	3	4	6	8	13	23	35	52	
5	2	3	5	8	11	17	28	45	65	
6	2	4	5	9	13	20	34	53	78	
7	3	5	6	11	15	23	40	63	91	
8	3	5	7	12	17	27	45	71	104	
9	3	6	8	14	19	30	51	80	117	
10	4	7	9	15	21	33	57	89	129	
11	4	7	10	17	23	37	62	98	143	
12	5	8	11	18	26	40	68	106	155	
13	5	9	12	20	28	43	74	116	169	
14	5	9	13	21	30	47	79	123	181	
15	6	10	14	23	32	50	85	133	193	
16	6	11	14	24	34	53	91	142	207	
17	7	11	15	26	36	57	96	151	221	
18	7	12	16	27	38	60	102	161	233	
19	7	13	17	29	40	63	108	169	247	
20	8	13	18	30	42	66	113	177	259	
21	8	14	19	32	45	70	119	187	272	
22	8	15	20	33	47	73	124	196	286	
23	9	15	21	35	49	77	130	204	298	
24	9	16	22	36	51	80	136	212	311	
25	10	17	23	38	53	83	142	222	324	
26	10	17	23	39	55	87	147	230	336	
27	10	18	24	41	57	90	153	240	350	
28	11	19	25	42	59	93	159	0	0	
29	11	19	26	44	62	96	164	0	0	
30	12	20	27	45	64	100	170	0	0	
31	0	0	28	47	66	103	0	0	0	
32	0	0	29	48	68	107	0	0	0	
33	0	0	30	50	70	110	0	0	0	
34	0	0	31	51	72	113	0	0	0	
35	0	0	32	53	74	117	0	0	0	

DISCHARGE IN LPM



Example :
 Horizontal Distance X" = 20"
 Nominal Pipe Diameter D" = 2"
 Discharge = 504

FRICITION LOSS TABLE

FRICITION LOSS IN METER FOR GALVANIZED PIPE (C-100/PER MTR.)									
Flow Rate In LPM	Nominal Pipe Dia in mm/inches								
	25/ 1"	32/ 1.25"	40/ 1.5"	50/ 2"	65/ 2.5"	80/ 3"	100/ 4"	125/ 5"	150/ 6"
30	0.098								
60	0.362	0.1197							
75	0.532	0.1808	0.0748						
96	0.840	0.2856	0.1181	0.0287					
120	1.260	0.4314	0.1785	0.0434					
150		0.0519	0.2697	0.0656	0.0221				
192		1.0293	0.4257	0.1035	0.0349				
240			0.6133	0.1565	0.0528	0.0217			
300			0.9721	0.2362	0.0798	0.0328			
480				0.5641	0.1903	0.0783			
600				0.8523	0.2875	0.1183	0.0291		
760				1.2879	0.4345	0.1788	0.0440		
960				2.0332	0.6859	0.2823	0.0695	0.0235	
1200				3.0727	1.0365	0.4265	0.1051	0.0354	
1500					1.5662	0.6445	0.1588	0.0536	0.0220
1920					2.4728	1.0176	0.2507	0.0846	0.0348
2400						1.5376	0.3788	0.1278	0.0526
2400							0.3788	0.1278	0.0526
3000							0.5724	0.1931	0.0795
3600							0.8020	0.2705	0.1113
4800							1.3656	0.4606	0.1896
6000								0.6960	0.2864
7500								1.0518	0.4328

FRICITION LOSS IN METER FOR GALVANIZED PIPE (C-100/PER MTR.)									
Flow Rate In LPM	Nominal Pipe Dia in mm/inches								
	25/ 1"	32/ 1.25"	40/ 1.5"	50/ 2"	65/ 2.5"	80/ 3"	100/ 4"	125/ 5"	150/ 6"
30	0.046								
60	0.166	0.0565							
75	0.251	0.0854	0.0353						
96	0.397	0.1349	0.0558	0.0136					
120	0.599	0.2038	0.0843	0.0205					
150		0.3079	0.1274	0.0310	0.0104				
192		0.4861	0.2011	0.0489	0.0165				
240			0.3039	0.0739	0.0249	0.0103			
300			0.4591	0.1117	0.0377	0.0155			
480				0.2661	0.0899	0.0370			
600				0.4025		0.0559	0.0139		
760				0.6083	0.2052	0.0844	0.0208		
960				0.9604	0.3240	0.1333	0.0328	0.0111	
1200				1.4513	0.4895	0.2015	0.0496	0.0167	
1500					0.7397	0.3044	0.0750	0.0253	0.0104
1920					1.1679	0.4806	0.1184	0.0399	0.0164
2400						0.7262	0.1789	0.0604	0.0248
2400							0.1789	0.0604	0.0248
3000							0.2703	0.0912	0.0375
3600							0.3788	0.1278	0.0526
4800							0.6150	0.2176	0.0895
6000								0.3288	0.1353
7500								0.4968	0.2044

OTHER PRODUCT RANGE



ICP Series
CASTING MULTISTAGE
BOREWELL SUBMERSIBLE
PUMPSET



INP Series
3" & 4" NORYL MULTISTAGE
SS JACKETED SUBMERSIBLE
PUMPSETS



URJHA SERIES
SOLAR PUMPING SYSTEMS



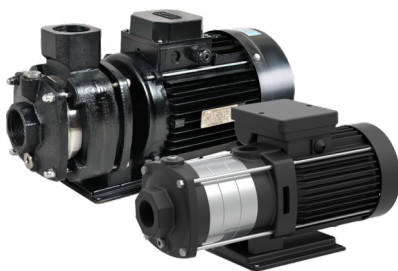
ISM-OF Series
4" OIL FILLED
SUBMERSIBLE MOTORS



ISM-WF Series
4", 6", 8", & 10" WATER
FILLED REWINDABLE MOTOR



IVMP Series
VERTICAL MULTI
STAGE PUMPS



IVMP Series
HORIZONTAL MULTI
STAGE PUMPS



IOW-SPV Series
VERTICAL OPENWELL
SUBMERSIBLE PUMPS



IOW-SPH Series
HORIZONTAL OPENWELL
SUBMERSIBLE PUMPS

OTHER PRODUCT RANGE



ISRP Series
SELF PRIMING
REGENERATIVE PUMPS



ICMP Series
CENTRIFUGAL
MONOBLOCK PUMPS



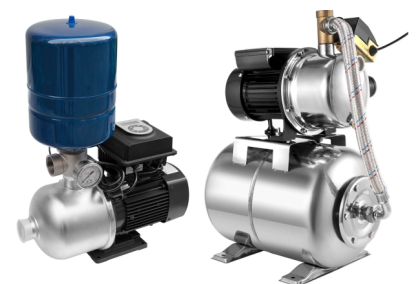
ISWP & IJP Series
SHALLOW WELL & JET PUMPS



ICMP Series
CENTRIFUGAL
MONOBLOCK PUMPS



**ISPJS & ISPJB
Series**
SELF PRIMING JET PUMPS



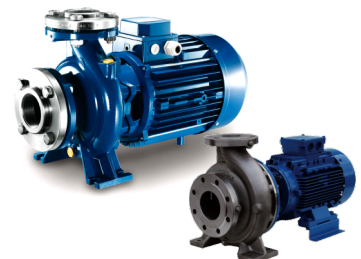
**IPBP-M & IPBP-X
Series**
PRESSURE BOOSTER PUMPS



IPESP Series
PERIPHERAL END
SUCTION PUMPS



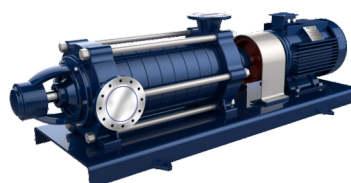
ISCP Series
STAINLESS STEEL
CENTRIFUGAL PUMPS



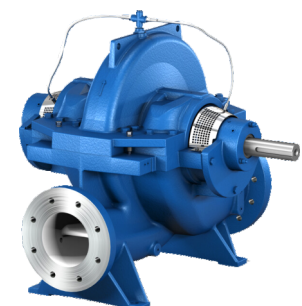
ICFP Series
CENTRIFUGAL PUMPS - DIN
STANDARD



**IESP-R & IESP-M
Series**
END SUCTION PUMPS



IHMP-L Series
HORZ. MULTISTAGE PUMPS



IHSCP Series
HORZ. SPLIT CASE PUMPS

OTHER PRODUCT RANGE



ISSDP Series
SUBMERSIBLE SEWAGE &
DRAINAGE PUMPS



**SUBMERSIBLE PUMP
SPARES**
ALL PUMP SPARES



MOTOR SPARES
ALL PUMP SPARES



**PRESSURE
CONTROL & FLOAT
SWITCH**



UPVC CO



CABLES & WIRES

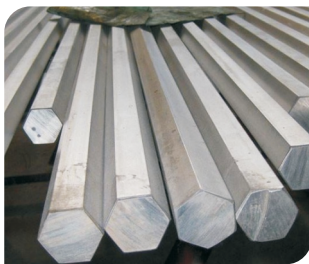


UPVC CASING PIPES

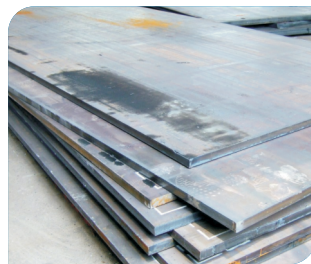


**PRESSURE
CONTROL & FLOAT
SWITCH**

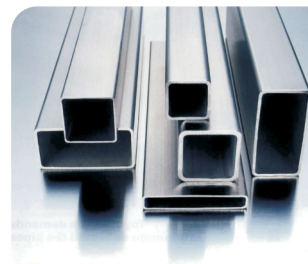
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