



C.R.I. PUMPS

Pumping trust. Worldwide.



**DEEPWELL
SUBMERSIBLE PUMPS
MICRO CAST
STAINLESS STEEL
GRAND SERIES** 50Hz





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Pumping trust. Worldwide.

T H E B E G I N N I N G

of C.R.I., way back in 1961, was a resolute attempt to produce a few irrigation equipments using the limited facilities of an inhouse foundry. Eventually the founder's dream was coming true as the small production unit he started kept growing rapidly. Now, after more than five eventful decades, it is an enormous, widely reputed organization, which produces more than 9000 varieties of perfectly engineered pumps and motors and sells its products in 120 countries across 6 continents.

C . R . I . I S O N E A M O N G

the few pioneers in the world to produce 100% stainless steel submersible pumps and it is a leading manufacturer of environment friendly water filled , rewindable motors.C.R.I.has extensive range of industrial pumps that include end suction pumps, Slurry pumps, Chemical pumps, Waste water pumps, Split case pumps, Booster pumps etc. today C.R.I. is rubbing its shoulders with the best brands in the world, with advanced technology and safety standards as its hallmarks.

T H E I N F R A S T R U C T U R E

of C.R.I. is pretty comprehensive with state-of-the-art machineries and a high potential R&D wing, Total production area over 3.2 million SF, Fully equipped with world class, Machineries with a manufacturing capacities of more than 3 Million pumps and Motors per year and over 9000 product variant are accredited with international quality certifications such as NSF, CSA, CE, UL, TSE, ISO 9001.

N E E D L E S S T O S A Y ,

behind this legendary growth lies the untiring, innovative, enthusiastic and dedicated team work. and, of course, a flawlessly maintained value system too. The name C.R.I. itself encapsulates the company's ethos:

"Commitment, Reliability, Innovation".





C.R.I. FLUID SYSTEMS

Pumping trust. Worldwide.

Vision, Mission and values

To be the industry leader providing best - in - class fluid management solutions to individual and institutional customers and societies in our chosen markets.

We will achieve this through our dedicated efforts to enhance the welfare of all our stakeholders and by living by our values of commitment, reliability and Innovation.

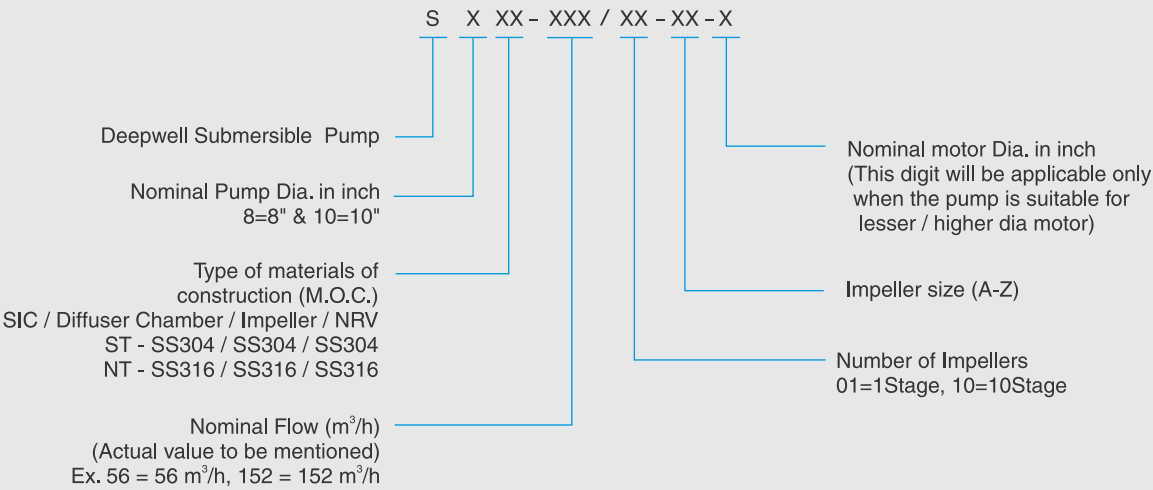
C O N T E N T S

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GENERAL INFORMATION

DEEPWELL SUBMERSIBLE PUMPS MODEL IDENTIFICATION CODE

MICRO CAST STAINLESS STEEL GRAND SERIES - 50Hz



DEEPWELL SUBMERSIBLE PUMPSET (PUMP + MOTOR)		
Pump Model	+	Motor Model
SXXX-XXX/XX-XX	+	XXX - XXX
DEEPWELL SUBMERSIBLE PUMPSET (PUMP + MOTOR)		
Pump Model	+	Motor Model
S8ST-96/10	+	W8B - 750D

Sample Description:
S8ST-56/02-1A-6 : 7.5kW, 5IN BSP SD Sub Pump ~ 8IN, 50Hz
S8ST-128/14-10 : 110kW, 5IN BSP SD Sub Pump(KW) ~ 8IN, 50Hz
S10ST-225/05 : 130kW, 6IN BSP SD Sub Pump ~ 10IN, 50Hz

GENERAL INFORMATION

MICRO CAST STAINLESS STEEL GRAND SERIES

PERFORMANCE CURVE CONDITIONS

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

- a. The Performance curve shows pump performance at rated speed, voltage and @ 3 metre minimum submergence.

The nominal speed of pump

8" & 10" : $n = 2900$ rpm

- b. The measurements were made with airless water at 20°C. When pumping liquids with a density higher than that of water, motors with correspondingly higher outputs must be used.
- c. Pipe friction losses have not been included in the performance curves and performance tables.
- d. The bold curves indicate the recommended performance range.
- e. Q/H : The curves are inclusive of check valve and suction inter-connector losses at the actual speed.
- f. Efficiency curve : " η %" shows pump stage efficiency.
- g. Curve tolerance according to ISO : 9906, Grade-3B
- h. The performances are at rated voltage and are only Indicative. Actual discharge depends on availability of water in well, based on strength of water source, height of water column, submergence of pump, etc.,.
- I. All mounting dimensions are in accordance with NEMA / International standards.
- j. The outlet size of the pumps are as per BSP standard.
- k. The performance curve is common for both ST and NT models.

GENERAL INFORMATION

MICRO CAST STAINLESS STEEL GRAND SERIES

C.R.I. Micro cast stainless steel grand series pumps are of single or multistage type supplied with mixed flow impeller for higher head and higher flow requirement. These pumps are made up of corrosion resistant stainless steel material for long life. The pump shaft is supported with radial bearing on each diffuser chamber for prolonged life and trouble free operation. And also, we provide neck / wear ring on impeller and diffuser chamber to maintain close clearance for better efficiency and to minimise the wear and tear. Built in check valve prevents back flow and reduces the risk of water hammer effect. All mounting dimension of pumps are in accordance with NEMA/International standards.



Design Features

- Rigid construction
- High efficiency
- Wide hydraulic ranges
- Corrosion resistant stainless steel pump components
- Can be easily dismantled and repaired

Application

- Agriculture
- Irrigation
- Sprinkler & Pivot irrigation system
- Pressure boosting
- Water transfer
- Industry
- Fire fighting
- Dewatering in mines and construction

GENERAL INFORMATION

PUMPED LIQUIDS

Clean, thin, non-aggressive, non explosive, clear, cold, fresh water without abrasives, solid particles or fibre having the following characteristics

a)	Temperature (max)	35°C
b)	Permissible amount of sand	50g/m ³ (max)
c)	Chlorine ion density	100 ppm (max)
d)	Allowable solids	50 ppm (max)
e)	Specific gravity	1.004 (max)
f)	Hardness	300 (max)
g)	Kinematic viscosity	1mm ² /s (1cSt) (max)
h)	Turbidity	50 ppm silica scale (max)
i)	pH	6.5 to 8.5

PUMP OPERATING LIMITATIONS			
Nominal Diameter		8"(200mm)	10"(250mm)
Power Range		5.5 - 150 kW	11 - 150 kW
Speed		2900 rpm	2900 rpm
Discharge Range	m ³ /h	10 - 180	25 - 300
	lps	2.8 - 50	7 - 83
Total head range	m	7 - 550	2 - 410
	ft	23 - 1805	7 - 1345
Outlet size in inches		5	6
Shaft Coupling		Splines / Keyway	Splines / Keyway

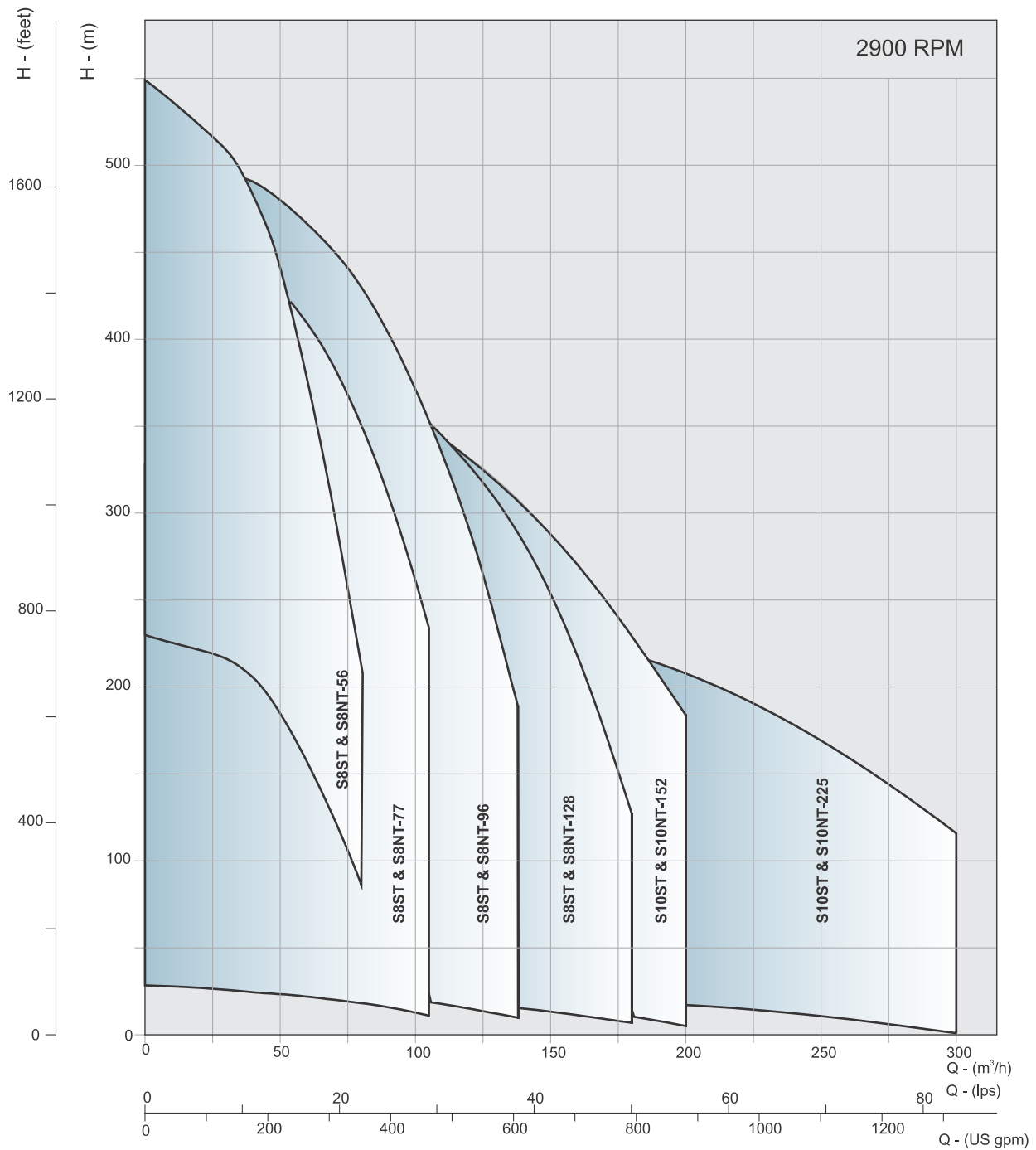
Maximum temperature of pumped liquid

Pump	Vertical installation	Horizontal installation (minimum 30° angle)
8" & 10"	NBR-35°C	NBR-35°C

Maximum operating pressure	
8" Submersible pump	5.5 Mpa (55 bar)
10" Submersible pump	4.1 Mpa (41 bar)

GENERAL INFORMATION

Group Performance Curves



In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice. Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B.

GENERAL INFORMATION

Materials of Construction

S8ST & S10ST SERIES

S.No.	PART NAME	PART No.	S8ST & S10ST	DESIGNATION	
				EUROPE	USA
1	CHECK VALVE HOUSING	21.00	S.S - 304	EN 10213-GX5CrNi19-10 (1.4308)	A351-CF8
2	CHECK VALVE DISK	21.06	S.S - 304	EN 10213-GX5CrNi19-10 (1.4308)	A351-CF8
3	CHECK VALVE SEAT	21.01	NBR	NBR	NBR
4	CHECK VALVE SPRING	21.02	S.S - 304	EN 10088-1-X5CrNi19-10 (1.4301)	AISI 304
5	DIFFUSER CHAMBER	18.03	S.S - 304	EN 10213-GX5CrNi19-10 (1.4308)	A351-CF8
6	O RING	21.07	NBR	NBR	NBR
7	IMPELLER	19.00	S.S - 304	EN 10213-GX5CrNi19-10 (1.4308)	A351-CF8
8	SPLIT CONE	19.02	S.S - 304	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
9	WEAR RING	17.01	NBR	NBR	NBR
10	COUNTER THRUST PAD	18.05	PTFE	PTFE	PTFE
11	BUSH-DIFFUSER CHAMBER	18.06	NBR	NBR	NBR
12	SUCTION INTER CONNECTOR	17.00	S.S - 304	EN 10213-GX5CrNi19-10 (1.4308)	A351-CF8
13	INLET SCREEN	14.03	S.S - 304	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
14	PUMP SHAFT	22.00	S.S - 431	EN 10088-1-X17CrNi16-2 (1.4057)	AISI 431
15	COUPLING	22.01	S.S - 431	EN 10088-1-X5CrNiMo18-10 (1.4301)	A351-S31803
16	CABLE GUARD	17.04	S.S - 304	EN 10088-1-X5CrNi18-10 (1.4301)	AISI 304
17	SCREW	32.14	S.S - 316	ISO 3506-1/2 A4-70	AISI 316
18	STUD	32.02	S.S - 316	ISO 3506-1/2 A4-70	AISI 316
19	NUT	32.07	S.S - 316	ISO 3506-1/2 A4-70	AISI 316

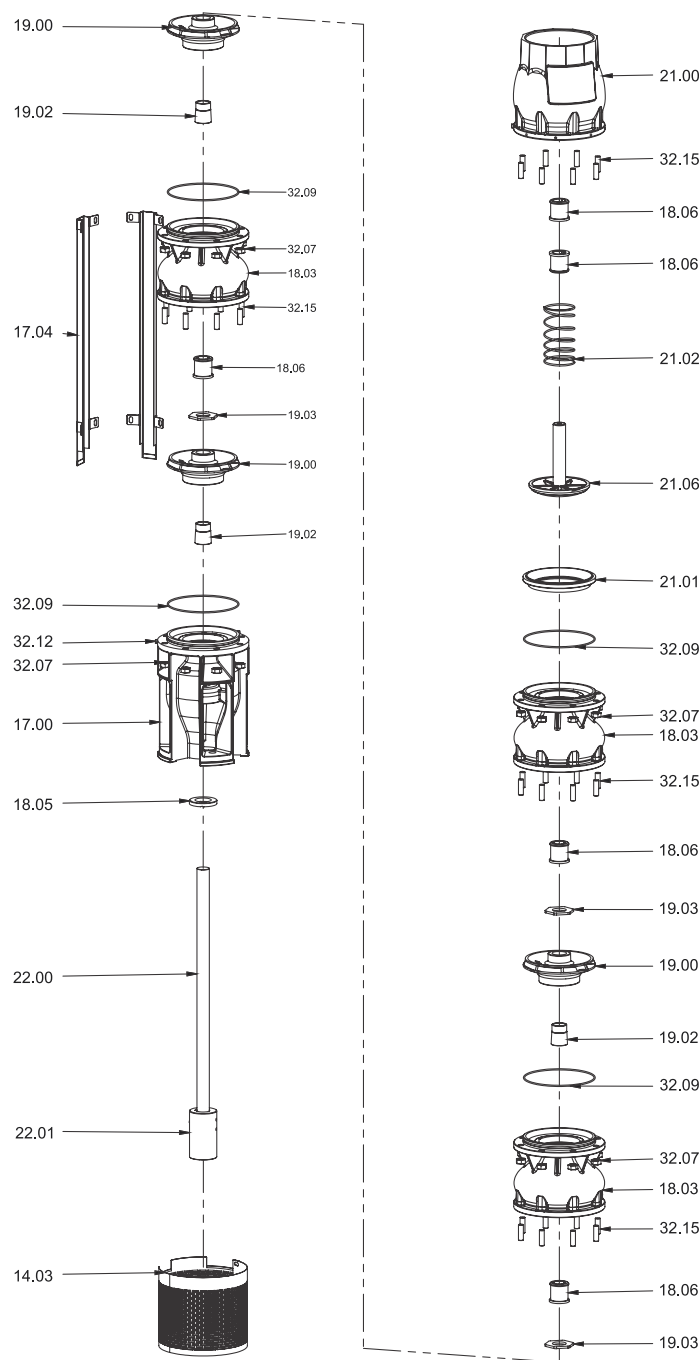
S8NT & S10NT SERIES

S.No.	PART NAME	PART No.	S8NT & S10NT	DESIGNATION	
				EUROPE	USA
1	CHECK VALVE HOUSING	21.00	S.S - 316	EN 10283 GX5CrNiMo19-11-2 (1.4408)	A351 CF8M
2	CHECK VALVE DISK	21.06	S.S - 316	EN 10283 GX5CrNiMo19-11-2 (1.4408)	A351 CF8M
3	CHECK VALVE SEAT	21.01	NBR	NBR	NBR
4	CHECK VALVE SPRING	21.02	S.S - 316	EN 10283 GX5CrNi19-11-2 (1.4408)	AISI 316
5	DIFFUSER CHAMBER	18.03	S.S - 316	EN 10283 GX5CrNiMo19-11-2 (1.4408)	A351 CF8M
6	O RING	21.07	NBR	NBR	NBR
7	IMPELLER	19.00	S.S - 316	EN 10283 GX5CrNiMo19-11-2 (1.4408)	A351 CF8M
8	SPLIT CONE	19.02	S.S - 316	EN 10283 GX5CrNiMo19-11-2 (1.4408)	AISI 316
9	WEAR RING	17.01	NBR	NBR	NBR
10	COUNTER THRUST PAD	18.05	PTFE	PTFE	PTFE
11	BUSH-DIFFUSER CHAMBER	18.06	NBR	NBR	NBR
12	SUCTION INTER CONNECTOR	17.00	S.S - 316	EN 10283 GX5CrNiMo19-11-2 (1.4408)	A351 CF8M
13	INLET SCREEN	14.03	S.S - 316	EN 10283 GX5CrNiMo19-11-2 (1.4408)	AISI 316
14	PUMP SHAFT	22.00	S.S - 329	EN 10088-1- X3CrNiMoN27-5-2 (1.4460)	AISI 329
15	COUPLING	22.01	S.S - 329	EN 10283 GX5CrNiMo19-11-2 (1.4408)	AISI 329
16	CABLE GUARD	17.04	S.S - 316	EN 10283 GX5CrNiMo19-11-2 (1.4408)	AISI 316
17	SCREW	32.14	S.S - 316	ISO 3506-1/2 A4-70	AISI 316
18	STUD	32.02	S.S - 316	ISO 3506-1/2 A4-70	AISI 316
19	NUT	32.07	S.S - 316	ISO 3506-1/2 A4-70	AISI 316

GENERAL INFORMATION

Exploded View

S8ST, S8NT, S10ST & S10NT

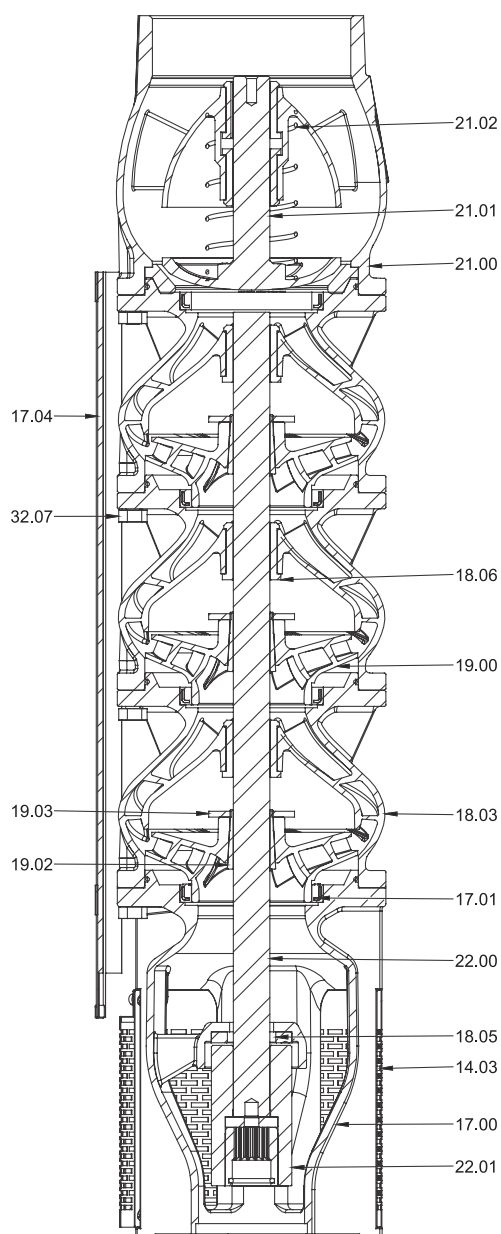


Part No.	Part Name
14.03	Strainer
17.00	Suction inter connector
17.01	Wearing ring
17.04	Cable guard
18.03	Diffuser
18.05	CT pad
18.06	Bush
19.00	Impeller
19.02	Split cone
19.03	Split cone nut
21.00	NRV
21.01	NRV seat
21.02	NRV spring
21.06	NRV disc
22.00	Pump shaft
22.01	Coupling
32.07	Nut
32.09	O-ring
32.12	Screw
32.15	Stud

In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

GENERAL INFORMATION

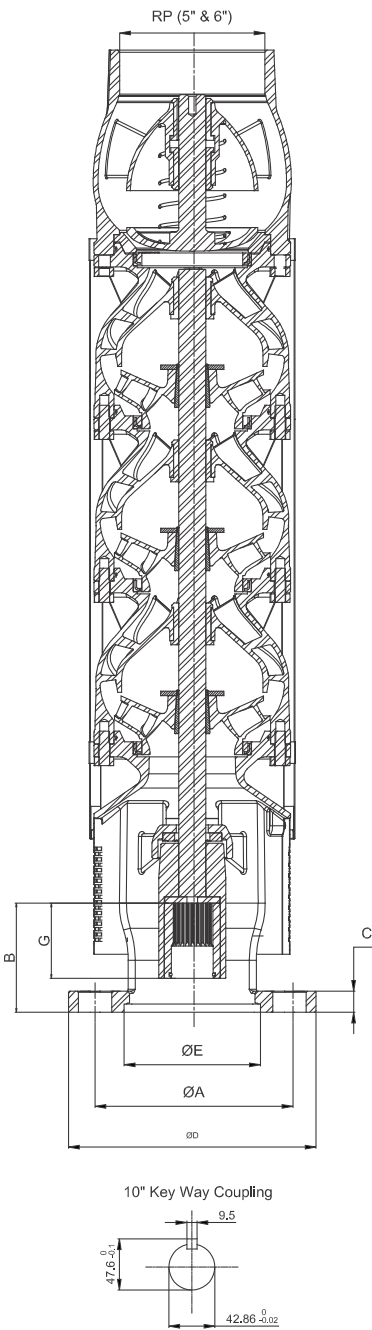
CROSS SECTION DIAGRAM AND LIST OF COMPONENTS - 8" & 10"



Part No.	Part Name
14.03	Strainer
17.00	Suction inter connector
17.01	Wear ring
17.04	Cable Guard
18.03	Diffuser chamber
18.05	CT pad
18.06	Bush
19.00	Impeller
19.02	Split cone
19.03	Split cone nut
21.00	NRV
21.01	Check valve spring pad
21.02	Spring
22.00	Pump shaft
22.01	Coupling
32.07	Nut

GENERAL INFORMATION

MOUNTING DIMENSIONS - 8" & 10"



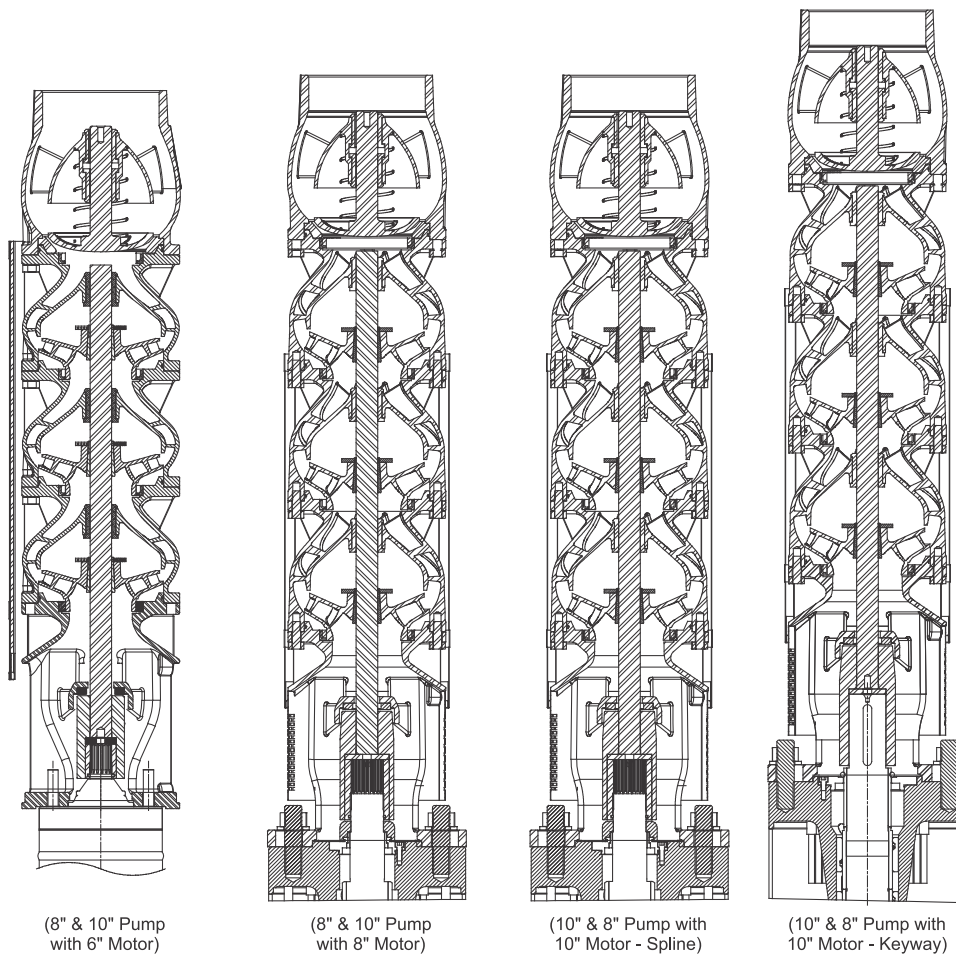
MOTOR	DIMENSIONS (mm)							
	ØA	ØD	ØE	H	ØF	B	C	G
6" (NEMA)	111	183.5	76.24	4	14	72.8	19	40
8" (NEMA)	152.4	183.5	127.03	4	18	101.6	19	70
10" (SPLINES)	172	231	127.03	4	22	101.6	20	70
10" (KEYWAY)	190.5	231	127.03	4	22	101.6	20	83

6" and 8" Coupling according to NEMA Standards

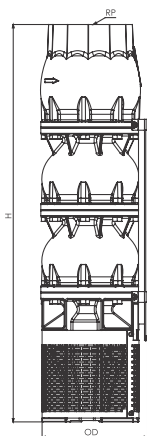
Rising Pipe (RP) - 5" outlet for 8" pump and 6"outlet for 10" pump

GENERAL INFORMATION

MOTOR & PUMP COUPLING DIAGRAM



MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **56m³/hr**Outlet Size : **5" BSP**
DIMENSIONS & WEIGHT TABLE


Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S8ST-56/01	5.5	7.5	203	207	127	565	33.9	48.8	890 x 216 x 216
S8ST-56/02-2A	7.5	10	203	207	127	700	41	55.9	890 x 216 x 216
S8ST-56/02-1A	7.5	10	203	207	127	700	41	55.9	1090 x 216 x 216
S8ST-56/02	9.3	12.5	203	207	127	700	41	55.9	1090 x 216 x 216
S8ST-56/03-2A	11	15	203	207	127	835	48.7	65.2	1090 x 216 x 216
S8ST-56/03	15	20	203	207	127	835	48.7	65.2	1090 x 216 x 216
S8ST-56/04-2A	15	20	203	207	127	970	56.4	74.5	1290 x 216 x 216
S8ST-56/04	18.5	25	203	207	127	970	56.4	74.5	1290 x 216 x 216
S8ST-56/05-3A	18.5	25	203	207	127	1105	64	82.1	1290 x 216 x 216
S8ST-56/05-2A	22	30	203	207	127	1105	64	82.1	1490 x 216 x 216
S8ST-56/05	22	30	203	207	127	1105	64	82.1	1490 x 216 x 216
S8ST-56/06-2A	26	35	203	207	127	1240	71.7	91.4	1490 x 216 x 216
S8ST-56/06	30	40	203	207	127	1240	71.7	91.4	1490 x 216 x 216
S8ST-56/07-2A	30	40	203	207	127	1375	79.4	100.7	1690 x 216 x 216
S8ST-56/07	30	40	203	207	127	1375	79.4	100.7	1690 x 216 x 216

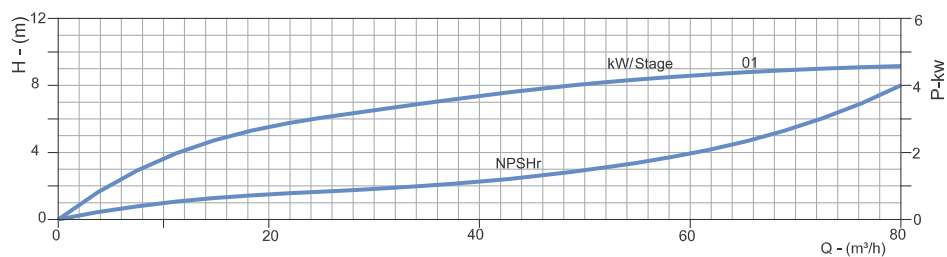
PERFORMANCE TABLE

Product Code	Pump Model	kW	HP	m ³ /hr	0	10	20	30	40	50	56	60	70	80
Suitable for 6" Motor														
74643	S8ST-56/01	5.5	7.5	HEAD IN METRES	28.5	28	27	26	25	22	20	19	15	10
74645	S8ST-56/02-2A	7.5	10		46.0	45.0	43.0	44.0	41.0	35.0	30	27.0	18.0	
74644	S8ST-56/02-1A	7.5	10		51.5	50.5	50	49	45	40	36	33	23.5	
74646	S8ST-56/02	9.3	12.5		56.9	55.9	55.1	53.5	50.5	45	42	38	30	20
74647	S8ST-56/03-2A	11	15		74	73	71.5	69	65	57	50	45.5	32	
74648	S8ST-56/03	15	20		86	84	82	79.5	76	69	63	58.5	45	31
74649	S8ST-56/04-2A	15	20		103	101	97.5	94.5	89	79	70	64	47	
74650	S8ST-56/04	18.5	25		114.5	112.5	111	108.5	102.5	91.5	83	76.5	59.5	40.5
74652	S8ST-56/05-3A	18.5	25		125	123	121	117.5	110	97	86	78.5	55.5	
74651	S8ST-56/05-2A	22	30		132.5	130	128	125	117.5	104	93	85.5	63.6	
74653	S8ST-56/05	22	30		144	141	138	134	127	113.5	103	96	74.4	50.5
74654	S8ST-56/06-2A	26	35		161	158	155.5	150.5	141.5	127	115	106	79.5	
42603	S8ST-56/06	30	40		172	168.5	165	161	153.5	139	121	115	90	61
74655	S8ST-56/07-2A	30	40		189	185	181	175.5	166	147.5	128	122	91.5	
74656	S8ST-56/07	30	40		200	195.5	191.5	187	177	158.5	143	133	103.5	69.5

(Third letter on model will be replaced as N for SS316 MOC)

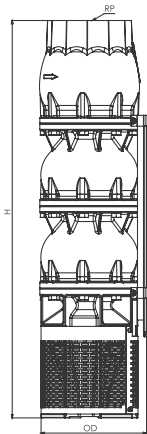
Outlet Size : **5" BSP**

Nominal Flow : 56 m³/h



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MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **56m³/hr**Outlet Size : **5" BSP**
DIMENSIONS & WEIGHT TABLE


Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S8ST-56/08-2A	37	50	203	207	127	1510	87.1	108.4	1690 x 216 x 216
S8ST-56/08	37	50	203	207	127	1510	87.1	108.4	1690 x 216 x 216
S8ST-56/09-2A	37	50	203	207	127	1652	94.8	117.7	1890 x 216 x 216
S8ST-56/09	45	60	203	207	127	1652	94.8	117.7	1890 x 216 x 216
S8ST-56/10-2A	45	60	203	207	127	1787	102.4	126.9	2090 x 216 x 216
S8ST-56/10	45	60	203	207	127	1787	102.4	126.9	2090 x 216 x 216
S8ST-56/11-2A	45	60	203	207	127	1922	110.1	135.3	2170 x 216 x 216
S8ST-56/11	55	75	203	207	127	1922	110.1	135.3	2170 x 216 x 216
S8ST-56/12	55	75	203	207	127	2057	117.8	143.9	2290 x 216 x 216
S8ST-56/13	55	75	203	207	127	2192	125	152.1	2490 x 216 x 216
S8ST-56/14	75	100	203	207	127	2327	132.7	162	2690 x 216 x 216
S8ST-56/15	75	100	203	207	127	2462	140.4	169.7	2690 x 216 x 216
S8ST-56/16	75	100	203	207	127	2597	148	179	2890 x 216 x 216
S8ST-56/17	75	100	203	207	127	2732	155.7	188.2	3090 x 216 x 216
S8ST-56/18	93	125	203	207	127	2867	163.4	195.9	3090 x 216 x 216
S8ST-56/19	93	125	203	207	127	3002	171.1	205.2	3290 x 216 x 216

PERFORMANCE TABLE

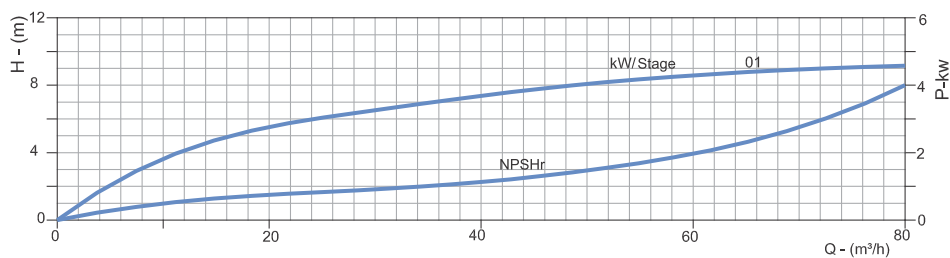
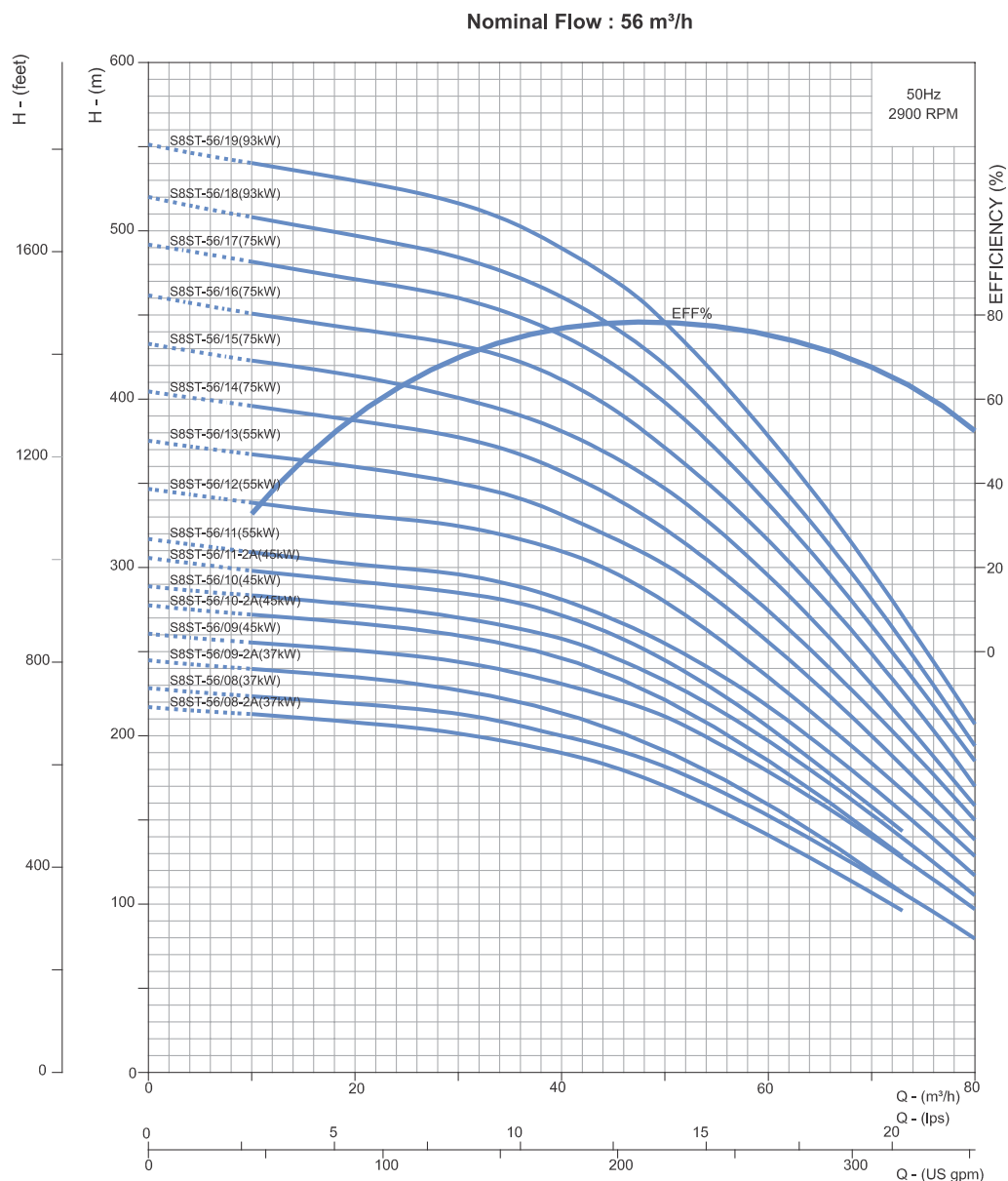
Product Code		Pump Model	kW	HP	m ³ /hr	0	10	20	30	40	50	56	60	70	80
Suitable for 6" Motor	Suitable for 8" Motor														
74657	-	S8ST-56/08-2A	37	50	HEAD IN METRES	217	214	208	201.5	190	170	154	141.5	107.5	
74658	-	S8ST-56/08	37	50		228.5	223.5	219.5	213.5	200	182	166	153	118	80
74660	-	S8ST-56/09-2A	37	50		245	240	235	227.5	214	191.5	174	160	120	
-	74659	S8ST-56/09	45	60		260.5	255.5	251	244	230.5	212	194	178.5	140	97
-	74662	S8ST-56/10-2A	45	60		278	272	267	260	246	221	202	185.5	142.5	
-	74661	S8ST-56/10	45	60		283	283.5	278	270.5	257.5	233	214	197.5	154	105.6
-	74664	S8ST-56/11-2A	45	60		305.5	298	292	285.5	271	245.5	222	206	158	
-	74663	S8ST-56/11	55	75		316.5	309.5	302.5	296	281.5	255.5	234	218	170	117
-	74665	S8ST-56/12	55	75		346.5	338.5	331.5	324.5	309.5	280	254	235	184	129.5
-	74666	S8ST-56/13	55	75		375	367.5	360	350	332	302	277	256	200	139
-	74667	S8ST-56/14	75	100		404	396.5	387.5	377	357	323	296	275	215	150
-	74668	S8ST-56/15	75	100		432	423.5	414	400	381	346.5	318	296	231	159.5
-	74669	S8ST-56/16	75	100		462	451	441.5	432.5	412	372	340	317	249	170.5
-	74670	S8ST-56/17	75	100		492	482	470.5	460	437.5	398	364	348	266.5	186
-	74671	S8ST-56/18	93	125		520	508.5	496.5	485	460.5	420	385	356	281	195
-	74672	S8ST-56/19	93	125		550	540	530	516	489	444.5	407	378	298	207

(Third letter on model will be replaced as N for SS316 MOC)

MICRO CAST STAINLESS STEEL GRAND SERIES

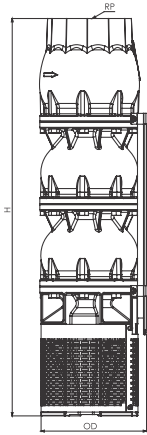
Nominal Diameter : **8"**Nominal Flow : **56m³/hr**Outlet Size : **5" BSP**

Performance Curves



Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B.
 In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **77m³/hr**Outlet Size : **5" BSP**
DIMENSIONS & WEIGHT TABLE


Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S8ST-77/01	5.5	7.5	203	207	127	582	34.1	49	890 x 216 x 216
S8ST-77/02-2A	7.5	10	203	207	127	734	42.5	59	1090 x 216 x 216
S8ST-77/02-1A	9.3	12.5	203	207	127	734	42.5	59	1090 x 216 x 216
S8ST-77/02	11	15	203	207	127	734	42.5	59	1090 x 216 x 216
S8ST-77/03-3A	11	15	203	207	127	886	51	67.5	1090 x 216 x 216
S8ST-77/03-2A	13	17.5	203	207	127	886	51	67.5	1090 x 216 x 216
S8ST-77/03-1A	15	20	203	207	127	886	51	67.5	1090 x 216 x 216
S8ST-77/03	18.5	25	203	207	127	886	51	67.5	1090 x 216 x 216
S8ST-77/04-2A	18.5	25	203	207	127	1038	59.4	77.6	1290 x 216 x 216
S8ST-77/04	22	30	203	207	127	1038	59.4	77.6	1290 x 216 x 216
S8ST-77/05-2A	26	35	203	207	127	1190	67.9	87.6	1490 x 216 x 216
S8ST-77/05-3A	26	35	203	207	127	1190	67.9	87.6	1490 x 216 x 216
S8ST-77/05	30	40	203	207	127	1190	67.9	87.6	1490 x 216 x 216
S8ST-77/06-2A	30	40	203	207	127	1342	76.4	97.7	1690 x 216 x 216
S8ST-77/06-1A	30	40	203	207	127	1342	76.4	97.7	1690 x 216 x 216
S8ST-77/06	37	50	203	207	127	1342	76.4	97.7	1690 x 216 x 216

PERFORMANCE TABLE

Product Code	PUMP MODEL	kW	HP	m ³ /hr	HEAD IN METRES											
Suitable for 6" Motor					0	10	20	30	40	50	60	70	77	80	90	100
74677	S8ST-77/01	5.5	7.5	HEAD IN METRES	29	28	27	26	24	23	21.5	20	18	18	15.5	12.5
74679	S8ST-77/02-2A	7.5	10		44	43	41.5	40	38.5	36.5	33.5	29	26	24	19	12.5
74678	S8ST-77/02-1A	9.3	12.5		50.5	49	47	46	44	41	38	34	32	29.5	24	18
74680	S8ST-77/02	11	15		58	55	53	51	49	47	44	39.5	37	35	27.5	20
74683	S8ST-77/03-3A	11	15		66	64	62	60	57	54	49	42	38	35	27.5	20
74682	S8ST-77/03-2A	13	17.5		73	71	69	66.5	64	60.5	55.5	49	45	42.5	34.5	25.5
74681	S8ST-77/03-1A	15	20		80	77	74	71.5	68.5	65	60	54	50	47	39.5	31
74684	S8ST-77/03	18.5	25		87.5	83.5	80	77	74	71	66.5	61	57	54.5	47	38
74685	S8ST-77/04-2A	18.5	25		102	98.5	95	91.5	88	83.5	77	69	63	59.5	49	38
74686	S8ST-77/04	22	30		116.5	111.5	107	103	99	94	88	80.5	75	71.5	61.5	50.82
-	S8ST-77/05-3A	26	35		124.5	120	116	111.5	107.5	102	94	84	77	73	61.5	51
74687	S8ST-77/05-2A	26	35		132	127	122	118	113.5	108	101	92	85	81	67	51
74688	S8ST-77/05	30	40		145	139.5	134	128	123.5	118	111	101.5	94	90	76	62
74690	S8ST-77/06-2A	30	40		160	153.5	148	143	138	131	121	109	101	96.5	81	63
74689	S8ST-77/06-1A	30	40		166	159.5	153	147.5	142.5	135.5	127	115.5	106	101.5	86	69
74691	S8ST-77/06	37	50		173	167	160	154.5	148.5	141.5	132.5	121.5	113	108	93	76

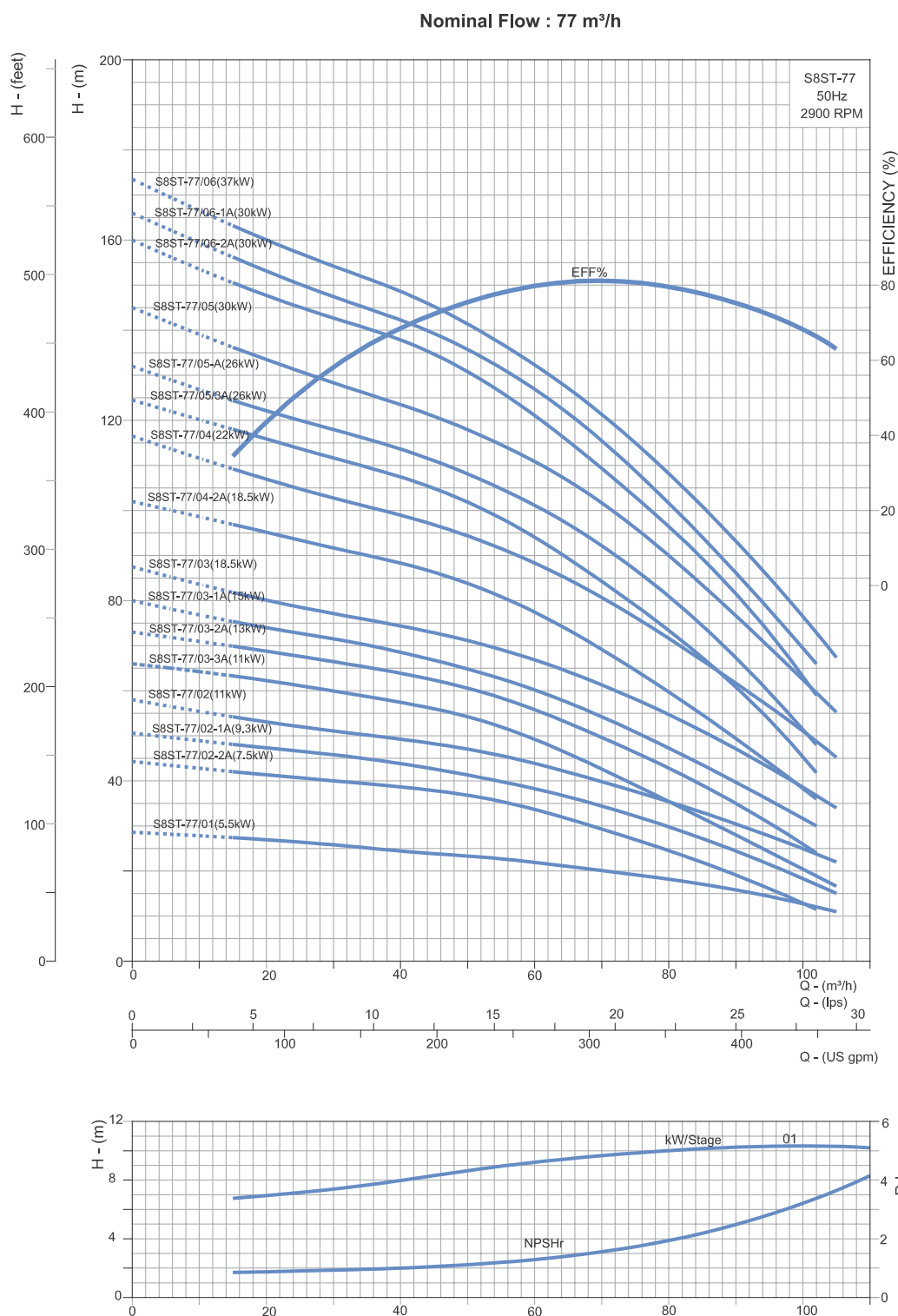
(Third letter on model will be replaced as N for SS316 MOC)

In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **77m³/hr**Outlet Size : **5" BSP**

Performance Curves

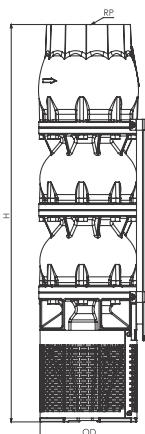


Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B.
In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **77m³/hr**Outlet Size : **5" BSP**

DIMENSIONS & WEIGHT TABLE



Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S8ST-77/07-2A	37	50	203	207	127	1494	84.9	106.2	1690 x 216 x 216
S8ST-77/07	45	60	203	207	127	1501	84.9	105.7	1690 x 216 x 216
S8ST-77/08-2A	45	60	203	207	127	1653	92.9	115.8	1890 x 216 x 216
S8ST-77/08	45	60	203	207	127	1653	92.9	115.8	1890 x 216 x 216
S8ST-77/09-2A	45	60	203	207	127	1805	101.3	125.8	2090 x 216 x 216
S8ST-77/09-1A	55	75	203	207	127	1805	101.3	125.8	2090 x 216 x 216
S8ST-77/09	55	75	203	207	127	1805	101.3	125.8	2090 x 216 x 216
S8ST-77/10-2A	55	75	203	207	127	1957	109.8	134.9	2170 x 216 x 216
S8ST-77/10	55	75	203	207	127	1957	109.8	134.9	2170 x 216 x 216
S8ST-77/11-2A	55	75	203	207	127	2109	118.3	144.4	2290 x 216 x 216
S8ST-77/11	63	85	203	207	127	2109	118.3	144.4	2290 x 216 x 216
S8ST-77/12	75	100	203	207	127	2261	126.7	153.8	2490 x 216 x 216
S8ST-77/13	75	100	203	207	127	2413	135.2	164.5	2690 x 216 x 216
S8ST-77/14	93	125	203	207	127	2565	143.7	174.6	2890 x 216 x 216
S8ST-77/15	93	125	203	207	127	2717	152.7	184.7	3090 x 216 x 216
S8ST-77/16	93	125	203	207	127	2869	160.7	193.2	3090 x 216 x 216
S8ST-77/17	93	125	203	207	127	3021	169.2	203.2	3290 x 216 x 216
S8ST-77/18	110	150	231	235	127	3173	170.8	217	3200 x 216 x 216

PERFORMANCE TABLE

Product Code		Pump Model	kW	HP	m³/hr	HEAD IN METRES											
Suitable for 6" Motor	Suitable for 8" Motor					0	10	20	30	40	50	60	70	77	80	90	100
74693	-	S8ST-77/07-02A	37	50	HEAD IN METRES	180.5	175	170	165	160.5	154.5	146.5	137	130	124	107	87
-	74692	S8ST-77/07	45	60		192	185	180	175	171	165	157	146.5	140	134.5	118	99.5
-	74694	S8ST-77/08-02A	45	60		210	203	196.5	191.5	186	179.5	171	160	150	144.5	125	103
-	42604	S8ST-77/08	45	60		222	214	208	203	197.5	191	183	171	162	157	138	113.5
-	74697	S8ST-77/09-02A	45	60		233	226.5	219.5	213.5	207.5	199.5	190	177.5	168	161	139.5	116.5
-	74696	S8ST-77/09-01A	55	75		244.5	237	229.5	223	217.5	209.5	201	188	178	171	150.5	125
-	74695	S8ST-77/09	55	75		251	242	235.5	229.5	224.5	217	207.5	194	184	177.5	156	133
-	74699	S8ST-77/10-02A	55	75		266	257.5	249.5	243.5	237	229	218	203.5	192	185	162	133
-	74698	S8ST-77/10	55	75		277.5	268	260	253.5	246.5	239	229	214.5	202	196	173	144
-	74701	S8ST-77/11-02A	55	75		289	280.5	271.5	264.5	257.5	248.5	237.5	221.5	209	201	175	145.5
-	74700	S8ST-77/11	63	85		303	293	284	277	269	260	249	233.5	220	213.5	188.5	158.5
-	74702	S8ST-77/12	75	100		331	319.5	310	302.5	294.5	285.5	272	254.5	240	232.5	205	172.5
-	74703	S8ST-77/13	75	100		358	346	335.5	327	319	308.5	295	276.5	261	252.5	223	188
-	74704	S8ST-77/14	93	125		385.5	373.5	362	353	343.5	332.5	317	297	280	271	239.5	202
-	74705	S8ST-77/15	93	125		412	398	385	376	366.5	354.5	338.5	317	300	289.5	255.5	214.5
-	74706	S8ST-77/16	93	125		439.5	424.5	412	401.5	391.5	378.5	361.5	338.5	320	309	272.5	229
-	74707	S8ST-77/17	93	125		471	455.5	441	430	418.5	404.5	385.5	361.5	340	331.5	293	246
74708 / 74709(KW)		S8ST-77/18-10	110	150		496.5	479.5	465	453.5	442	427.5	408.5	383	361	350.5	309	260

(Third letter on model will be replaced as N for SS316 MOC)

* KW - Keyway coupling

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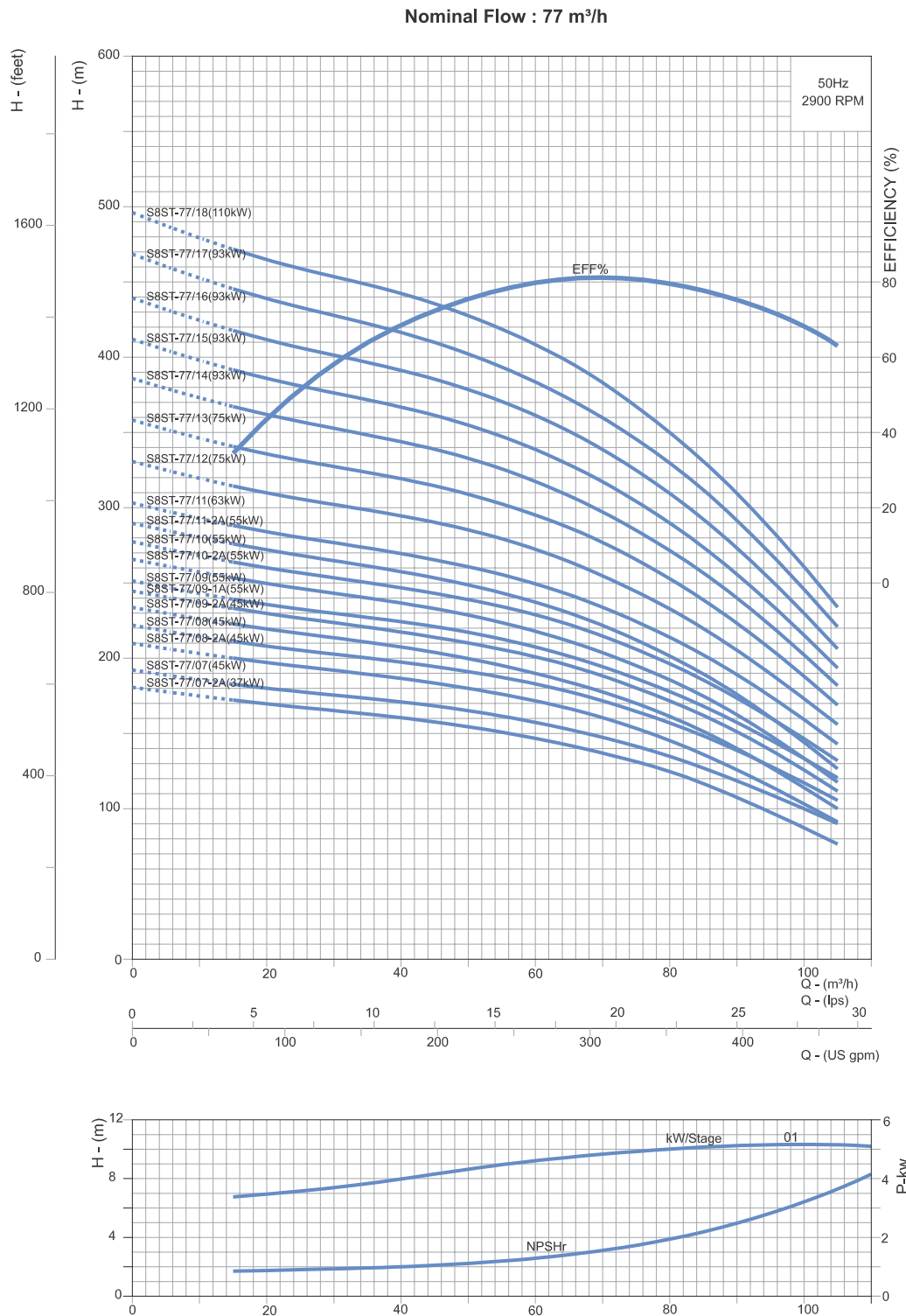
MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**

Nominal Flow : **77m³/hr**

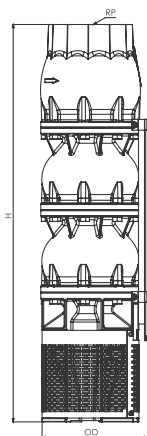
Outlet Size : **5" BSP**

Performance Curves



Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B.
 In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **96m³/hr**Outlet Size : **5" BSP**
DIMENSIONS & WEIGHT TABLE


Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S8ST-96/01	7.5	10	203	207	127	582	34	48.9	890 x 216 x 216
S8ST-96/02-2B	11	15	203	207	127	734	42.4	58.9	1090 x 216 x 216
S8ST-96/02-2A	13	17.5	203	207	127	734	42.4	58.9	1090 x 216 x 216
S8ST-96/02	15	20	203	207	127	734	42.4	58.9	1090 x 216 x 216
S8ST-96/03-2B	18.5	25	203	207	127	886	50.9	67.4	1090 x 216 x 216
S8ST-96/03-1A	22	30	203	207	127	886	50.9	67.4	1090 x 216 x 216
S8ST-96/03	26	35	203	207	127	886	50.9	67.4	1090 x 216 x 216
S8ST-96/04-2B	26	35	203	207	127	1038	59.4	77.5	1290 x 216 x 216
S8ST-96/04-2A	30	40	203	207	127	1038	59.4	77.5	1290 x 216 x 216
S8ST-96/04	30	40	203	207	127	1038	59.4	77.5	1290 x 216 x 216
S8ST-96/05-3A	37	50	203	207	127	1190	67.8	87.5	1490 x 216 x 216
S8ST-96/05	37	50	203	207	127	1190	67.8	87.5	1490 x 216 x 216
S8ST-96/06-3A	45	60	203	207	127	1349	75.8	97.1	1690 x 216 x 216
S8ST-96/06	45	60	203	207	127	1349	75.8	97.1	1690 x 216 x 216

PERFORMANCE TABLE

Product Code		Pump Model	kW	HP	m³/hr	0	20	40	60	80	96	100	120
Suitable for 6" Motor	Suitable for 8" Motor												
74710	-	S8ST-96/01	7.5	10	HEAD IN METRES	28.5	27.5	26.5	25	23	21	19.5	15
74712	-	S8ST-96/02-2B	11	15		38.5	38	37	34.5	30	25	23	
74711	-	S8ST-96/02-2A	13	17.5		47.5	46.5	45.5	43.5	39.5	34	32.5	23
74713	-	S8ST-96/02	15	20		57	55	53	50.5	46.5	42	39.5	30
74715	-	S8ST-96/03-2B	18.5	25		67	66	64.5	61	55	47	44	
74714	-	S8ST-96/03-1A	22	30		81	79	76.5	72.5	66	58	56	41.5
74716	-	S8ST-96/03	26	35		86	84	81	77	70.5	53	61	47
74717	-	S8ST-96/04-2B	26	35		96	94	91.5	86	78	67	64	
74718	-	S8ST-96/04-2A	30	40		105	102.5	99	94	85.5	75	72	53
74719	-	S8ST-96/04	30	40		114	111	107.5	101	92	82	78.5	59
74720	-	S8ST-96/05-3A	37	50		128	125.5	122	115.5	105	91.5	87.5	63
74721	-	S8ST-96/05	37	50		142	138.5	133.5	126	115	102	98	73.5
-	74723	S8ST-96/06-3A	45	60		159	155.5	151.5	144	130.5	115.5	111	82.5
-	74722	S8ST-96/06	45	60		173	168.5	163	154	141	126	121.5	92.5

(Third letter on model will be replaced as N for SS316 MOC)

MICRO CAST STAINLESS STEEL GRAND SERIES

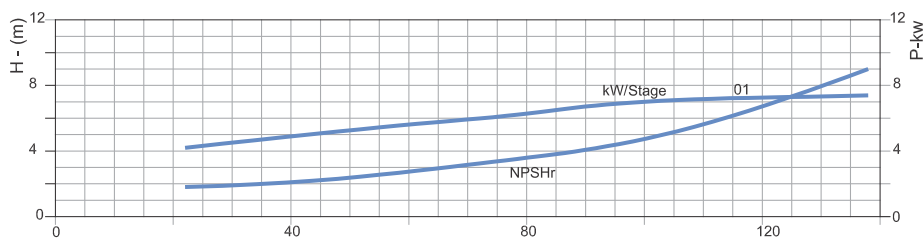
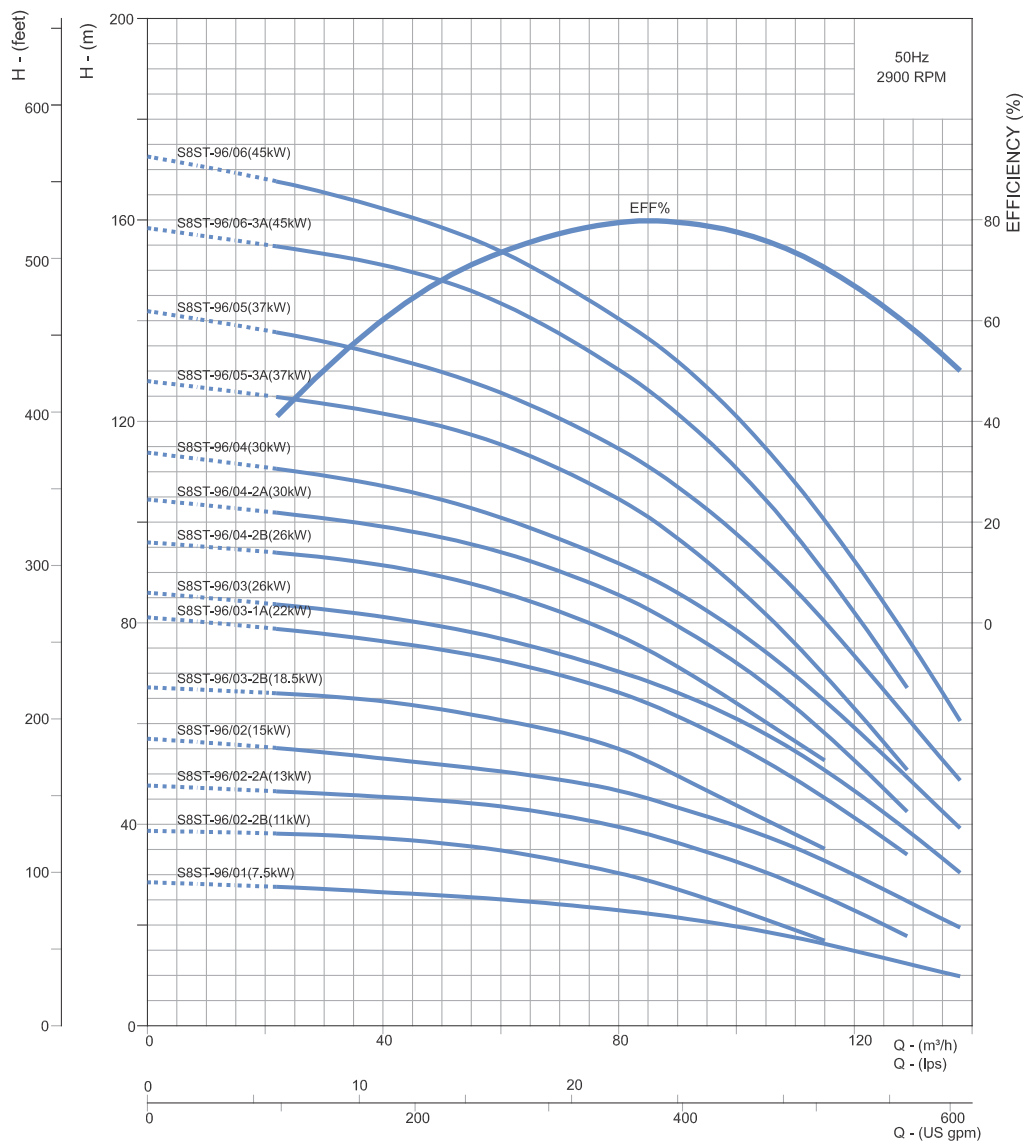
Nominal Diameter : **8"**

Nominal Flow : **96m³/hr**

Outlet Size : **5" BSP**

Performance Curves

Nominal Flow : 96 m³/h

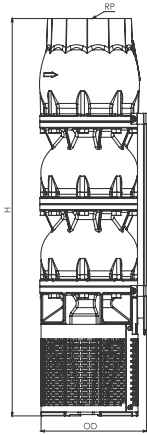


Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B. In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **96m³/hr**Outlet Size : **5" BSP**

DIMENSIONS & WEIGHT TABLE



Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S8ST-96/07-3A	55	75	203	207	127	1501	84.3	105.6	1690 x 216 x 216
S8ST-96/07	55	75	203	207	127	1501	84.3	105.6	1690 x 216 x 216
S8ST-96/08-3A	55	75	203	207	127	1653	92.8	115.7	1890 x 216 x 216
S8ST-96/08	63	85	203	207	127	1653	92.8	115.7	1890 x 216 x 216
S8ST-96/09-3A	75	100	203	207	127	1805	101.2	125.7	2090 x 216 x 216
S8ST-96/09	75	100	203	207	127	1805	101.2	125.7	2090 x 216 x 216
S8ST-96/10-3A	75	100	203	207	127	1957	109.7	134.9	2170 x 216 x 216
S8ST-96/10	75	100	203	207	127	1957	109.7	134.9	2170 x 216 x 216
S8ST-96/11	93	125	203	207	127	2109	118.2	145.3	2290 x 216 x 216
S8ST-96/12	93	125	203	207	127	2261	126.7	153.8	2490 x 216 x 216
S8ST-96/13	110	150	231	235	127	2413	128.3	166.4	2600 x 216 x 216
S8ST-96/14	110	150	231	235	127	2565	136.8	176.9	2800 x 216 x 216
S8ST-96/15	130	175	231	235	127	2717	145.2	187.4	3000 x 216 x 216
S8ST-96/16	130	175	231	235	127	2869	153.7	195.8	3000 x 216 x 216
S8ST-96/17	130	175	231	235	127	3021	162.2	206.4	3200 x 216 x 216
S8ST-96/18	150	200	231	235	127	3173	170.7	216.9	3400 x 216 x 216

PERFORMANCE TABLE

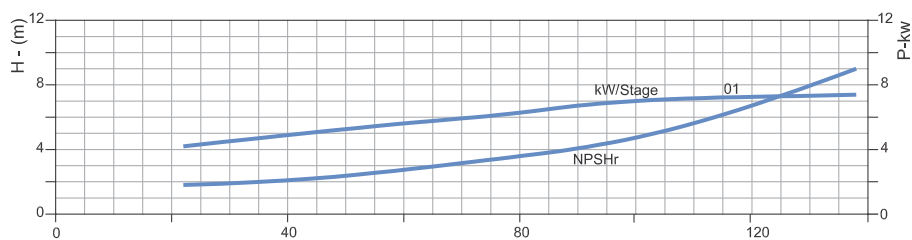
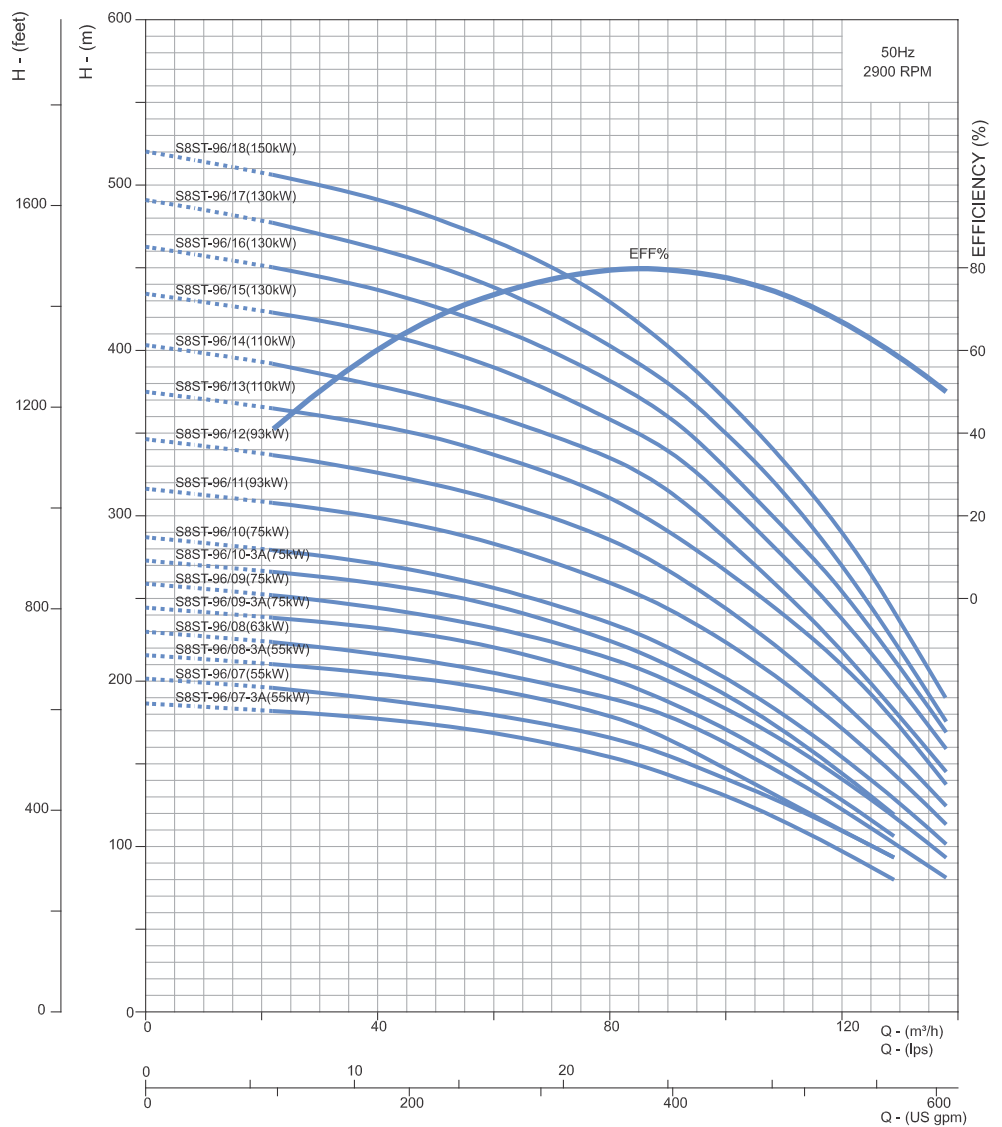
Product Code			Pump Model	kW	HP	m³/hr	0	20	40	60	80	96	100	120
Suitable for 8" Motor	Suitable for 10" Motor													
	Spline	Keyway												
74724	-	-	S8ST-96/07-3A	55	75	HEAD IN METRES	186	182.5	177.5	168.5	154.5	138	130	97
42605	-	-	S8ST-96/07	55	75		201.5	196.5	189	179.5	166	147	141	110
74726	-	-	S8ST-96/08-3A	55	75		216	211	205	195	179	156	147	110
74725	-	-	S8ST-96/08	63	85		229.5	224.5	216.5	205	190	170	162.5	122
74728	-	-	S8ST-96/09-3A	75	100		244	239	232	220.5	201	178	171	128
74727	-	-	S8ST-96/09	75	100		259	253	244	232.5	214	190	184	141
74730	-	-	S8ST-96/10-3A	75	100		273	267	259	246	224.5	199	192	144.5
74729	-	-	S8ST-96/10	75	100		287	279.5	271	256	235	209	202	154
74731	-	-	S8ST-96/11	93	125		316	308	298.5	283.5	259	231	224	171
74732	-	-	S8ST-96/12	93	125		346.45	337.5	326.5	310	285	253	244	187
-	74733	74734	S8ST-96/13	110	150		375	366	355	337	310.5	276	266	209.5
-	74735	74736	S8ST-96/14	110	150		403	393	378.5	360	334.5	298	286.5	218
-	74737	74738	S8ST-96/15	130	175		434	424	411	389	368	322	309.5	238
-	74739	74740	S8ST-96/16	130	175		462	451	436.5	414.5	381.5	340	329	254.5
-	74741	74742	S8ST-96/17	130	175		490.5	478.5	461.5	438	402.5	362	350	269.5
-	74743	74744	S8ST-96/18	150	200		520	507	491	465.5	429.5	380	370.5	290

(Third letter on model will be replaced as N for SS316 MOC)

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **96m³/hr**Outlet Size : **5" BSP**

Performance Curves

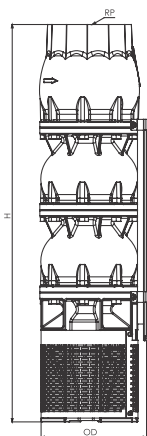
Nominal Flow : 96 m³/h

Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B.
In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **128m³/hr**Outlet Size : **5" BSP**

DIMENSIONS & WEIGHT TABLE



Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S8ST-128/01	7.5	10	203	207	127	582	33.8	48.8	890 x 216 x 216
S8ST-128/02-2B	11	15	203	207	127	734	41.3	57.8	1090 x 216 x 216
S8ST-128/02-2A	13	17.5	203	207	127	734	41.3	57.8	1090 x 216 x 216
S8ST-128/02	15	20	203	207	127	734	41.3	57.8	1090 x 216 x 216
S8ST-128/03-3A	18.5	25	203	207	127	886	41.3	57.8	1090 x 216 x 216
S8ST-128/03	22	30	203	207	127	886	48.8	65.3	1090 x 216 x 216
S8ST-128/04-2B	26	35	203	207	127	1038	48.8	65.3	1290 x 216 x 216
S8ST-128/04-2A	30	40	203	207	127	1038	56.3	74.4	1290 x 216 x 216
S8ST-128/04	30	40	203	207	127	1038	56.3	74.4	1290 x 216 x 216
S8ST-128/05-3A	37	50	203	207	127	1190	56.3	74.4	1490 x 216 x 216
S8ST-128/05	37	50	203	207	127	1190	63.7	83.5	1490 x 216 x 216
S8ST-128/06-3A	45	60	203	207	127	1349	63.3	83.5	1690 x 216 x 216
S8ST-128/06	45	60	203	207	127	1349	63.3	84.6	1690 x 216 x 216

PERFORMANCE TABLE

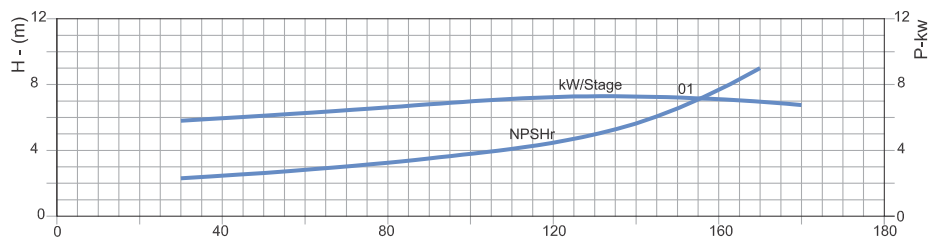
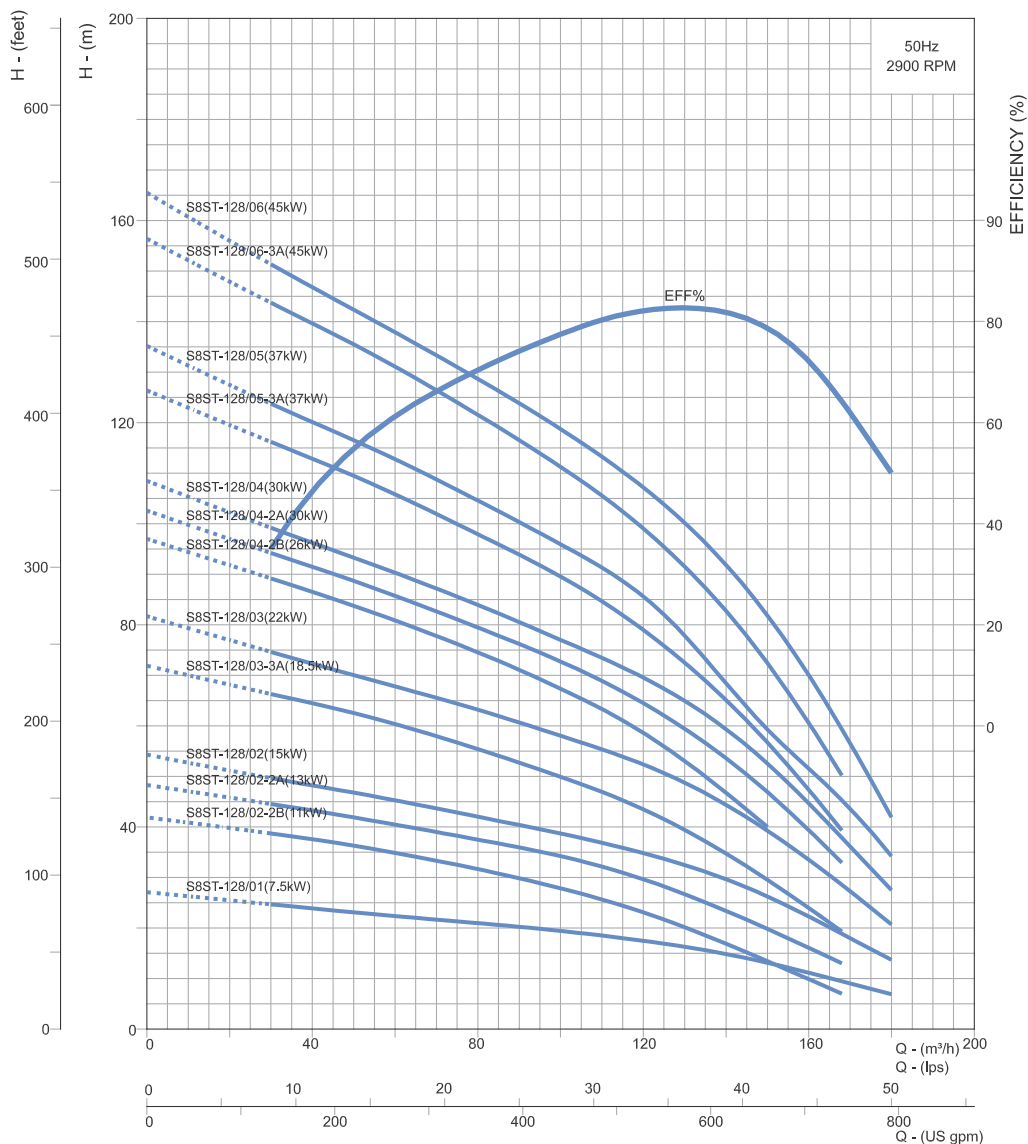
Product Code		Pump Model	kW	HP	m ³ /hr	0	20	40	60	80	100	120	128	140	160	180
Suitable for 6" Motor	Suitable for 8" Motor															
42606	-	S8ST-128/01	7.5	10	HEAD IN METRES	27	25.5	24	22	21	19	17.5	16	15	11	7
42608	-	S8ST-128/02-2B	11	15		41.8	40	37.5	35	31.5	28	23	21	17	10	
42607	-	S8ST-128/02-2A	13	17.5		48	45.5	43	40.5	37.5	34	29.5	27	23.5	16	
42609	-	S8ST-128/02	15	20		54	51	48.5	45	42	38.5	34.5	33	29.5	22	13.5
42610	-	S8ST-128/03-3A	18.5	25		71.5	68	64.5	60	55	49.5	43.5	40	34.5	24	
74601	-	S8ST-128/03	22	30		81	77	72	67.5	63	58	52	49	44	33	20.5
74603	-	S8ST-128/04-2B	26	35		96.5	91.5	86	80.5	74	67	58	53	46.5		
74602	-	S8ST-128/04-2A	30	40		102.5	96.5	91	85.5	79	72.5	64.5	60	53.5	39.5	
74604	-	S8ST-128/04	30	40		108	102	96	90	83.5	76.5	69.5	66	59	44.5	27.5
74605	-	S8ST-128/05-3A	37	50		126	119	113	105.5	97.5	89	79	73	65	47	
74606	-	S8ST-128/05	37	50		135	127	120	112.5	104.5	95.5	85.5	79	68	51.5	34
-	74608	S8ST-128/06-3A	45	60		156	147.5	139.5	131	121	111	99	93	83	60.5	
-	74607	S8ST-128/06	45	60		165	155.5	146.5	137.5	128.5	118.5	107	102	91.5	70	42

(Third letter on model will be replaced as N for SS316 MOC)

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **128m³/hr**Outlet Size : **5" BSP**

Performance Curves

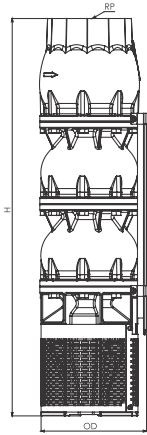
Nominal Flow : 128 m³/h

Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B. In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **128m³/hr**Outlet Size : **5" BSP**

DIMENSIONS & WEIGHT TABLE



Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S8ST-128/07-3A	55	75	203	207	127	1501	70.8	84.6	1690 x 216 x 216
S8ST-128/07	55	75	203	207	127	1501	70.8	84.6	1690 x 216 x 216
S8ST-128/08-3A	55	75	203	207	127	1653	78.3	92.1	1890 x 216 x 216
S8ST-128/08	63	85	203	207	127	1653	78.3	92.1	1890 x 216 x 216
S8ST-128/09-3A	75	100	203	207	127	1805	85.7	101.2	2090 x 216 x 216
S8ST-128/09	75	100	203	207	127	1805	85.7	101.2	2090 x 216 x 216
S8ST-128/10-3A	75	100	203	207	127	1957	93.2	110.2	2170 x 216 x 216
S8ST-128/10	75	100	203	207	127	1957	93.2	110.2	2170 x 216 x 216
S8ST-128/11	93	125	203	207	127	2109	100.7	118.4	2290 x 216 x 216
S8ST-128/12	93	125	203	207	127	2261	108.2	118.4	2490 x 216 x 216
S8ST-128/13	93	125	203	207	127	2413	115.7	145.0	2690 x 216 x 216
S8ST-128/14	110	150	231	235	127	2565	124.2	164.3	2800 x 216 x 216
S8ST-128/15	110	150	231	235	127	2717	131.7	173.9	3000 x 216 x 216
S8ST-128/16	130	175	231	235	127	2869	139.2	181.4	3000 x 216 x 216
S8ST-128/17	130	175	231	235	127	3021	146.7	190.9	3200 x 216 x 216
S8ST-128/18	150	200	231	235	127	3173	154.2	200.4	3400 x 216 x 216

PERFORMANCE TABLE

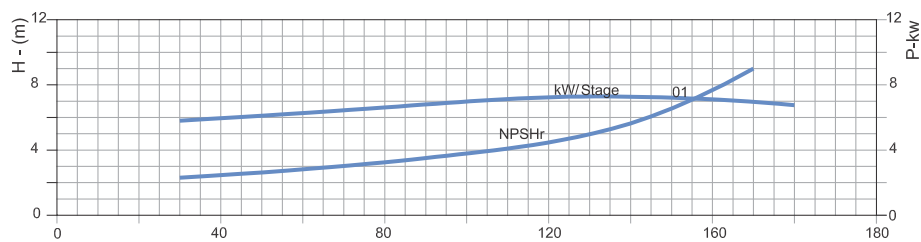
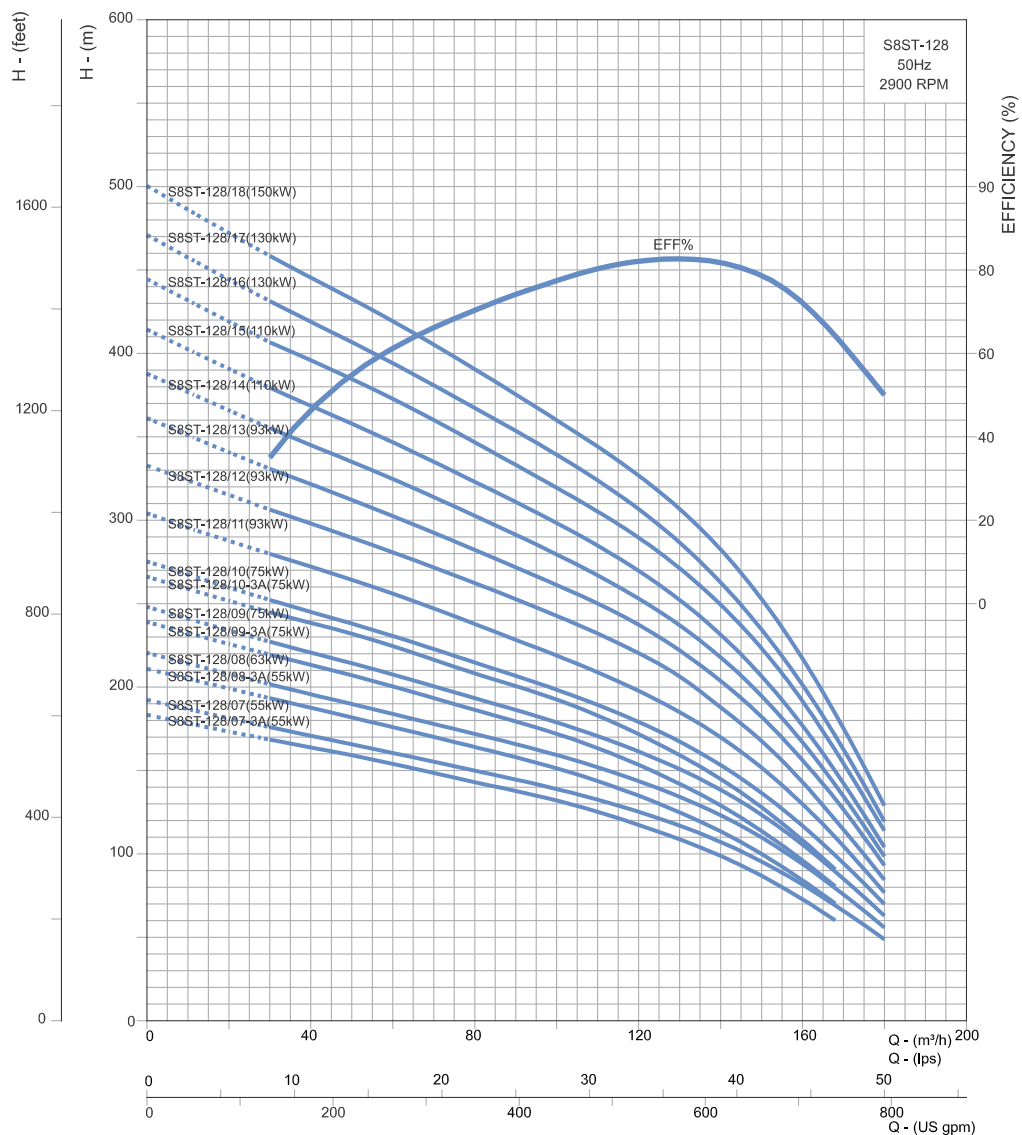
Product Code			Pump Model	kW	HP	m³/hr	0	20	40	60	80	100	120	128	140	160	180
Suitable for 8" Motor	Suitable for 10" Motor																
	Spline	Keyway															
74610	-	-	S8ST-128/07-03A	55	75	HEAD IN METRES	183.5	173.5	164	154	143	132	117.5	110	99.5	73	
74609	-	-	S8ST-128/07	55	75		192.5	181.5	171	161	150.5	139.5	125.5	118	107.5	81.5	49
74612	-	-	S8ST-128/08-03A	55	75		211	199.5	187.5	176	165	151.5	135	127	114	84.5	
74611	-	-	S8ST-128/08	63	85		220.5	208	196	184	172.5	159	144	136	124	94	56
74614	-	-	S8ST-128/09-03A	75	100		239	226	214	201	186.5	172	154	144	129.5	96.5	
74613	-	-	S8ST-128/09	75	100		248	234.5	221	208	193.5	179	161	152	139	106	63.5
74616	-	-	S8ST-128/10-03A	75	100		266.5	251.5	239	224.5	208	192	172	160	145.5	108	
74615	-	-	S8ST-128/10	75	100		275.5	260	245.5	230.5	215.5	198.5	180	170	154	117	70
74617	-	-	S8ST-128/11	93	125		304	288	272	256.5	238	219	197.5	188	171	130	78
74618	-	-	S8ST-128/12	93	125		332.5	315	298	281	263	242.5	220.5	209	188	143	85
74619	-	-	S8ST-128/13	93	125		361	34	322.5	303	282.5	261	238	224	204.5	155.5	93
-	74620	74621	S8ST-128/14	110	150		388.5	366.5	345.5	325	303.5	279.5	253.5	240	218	167	100
-	74622	74623	S8ST-128/15	110	150		414.5	391	369	347	323.5	297.5	270	255	231.5	177	106
-	74624	74625	S8ST-128/16	130	175		445	419	396.5	373	347	319.5	290	274	250	192	115.5
-	74626	74627	S8ST-128/17	130	175		470	445	419	394.5	367.5	339.5	307.5	289	262.5	202	121
-	74628	74629	S8ST-128/18	150	200		500.5	472.5	445.5	420	391	360	327.5	310	283.5	217.5	130

(Third letter on model will be replaced as N for SS316 MOC)

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **8"**Nominal Flow : **128m³/hr**Outlet Size : **5" BSP**

Performance Curves

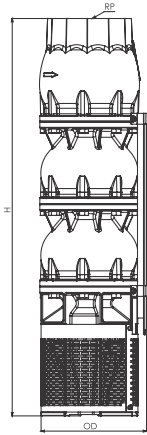
Nominal Flow : 128 m³/h

Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B. In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **152m³/hr**Outlet Size : **6" BSP**

DIMENSIONS & WEIGHT TABLE



Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S10ST-152/01-1C	11	15	247	251	152.4	697	52.3	74.2	1000 x 280 x 280
S10ST-152/01-1B	13	17.5	247	251	152.4	697	52.3	74.2	1000 x 280 x 280
S10ST-152/01-1A	15	20	247	251	152.4	697	52.3	74.2	1000 x 280 x 280
S10ST-152/02-2C	22	30	247	251	152.4	913	69.4	93.2	1200 x 280 x 280
S10ST-152/02-2B	26	35	247	251	152.4	913	69.4	93.2	1200 x 280 x 280
S10ST-152/02-2A	30	40	247	251	152.4	913	69.4	93.2	1200 x 280 x 280
S10ST-152/03-2C	37	50	247	251	152.4	1129	86.4	112.3	1400 x 280 x 280
S10ST-152/03-2B	45	60	247	251	152.4	1138	86.4	112.3	1400 x 280 x 280
S10ST-152/03-2A	45	60	247	251	152.4	1138	86.4	112.3	1400 x 280 x 280
S10ST-152/03	55	75	247	251	152.4	1138	86.4	112.3	1400 x 280 x 280
S10ST-152/04-2C	55	75	247	251	152.4	1354	111.8	139.8	1600 x 280 x 280
S10ST-152/04-2B	63	85	247	251	152.4	1354	111.8	139.8	1600 x 280 x 280
S10ST-152/04	75	100	247	251	152.4	1354	111.8	139.8	1600 x 280 x 280
S10ST-152/05-2C	75	100	247	251	152.4	1570	128.8	158.8	1800 x 280 x 280
S10ST-152/05-2B	75	100	247	251	152.4	1570	128.8	158.8	1800 x 280 x 280
S10ST-152/05	93	125	247	251	152.4	1570	128.8	158.8	1800 x 280 x 280
S10ST-152/06-2C	93	125	247	251	152.4	1786	145.8	158.8	2000 x 280 x 280
S10ST-152/06-1B	93	125	247	251	152.4	1786	145.8	158.8	2000 x 280 x 280
S10ST-152/06	110	150	247	251	152.4	1786	145.8	158.8	2000 x 280 x 280

PERFORMANCE TABLE

Product Code			Pump Model	kW	HP	m ³ /hr	0	25	50	75	100	125	150	152	175	200
Suitable for 6" Motor	Suitable for 8" Motor	Suitable for 10" Motor														
43194	-	-	S10ST-152/01-1C	11	15	HEAD IN METRES	34	32.5	30.5	29	26.5	23.5	18.5	18	12.5	5
43193	-	-	S10ST-152/01-1B	13	17.5		39	36.5	35	34	32	29	24.5	23	19	12
43192	-	-	S10ST-152/01-1A	15	20		42	40	39	37.5	36	33	28.5	27	23	16
43197	-	-	S10ST-152/02-2C	22	30		66.5	64	61.5	58	53	46.5	37	36.5	25	12
43196	-	-	S10ST-152/02-2B	26	35		79	74.5	72.5	69.5	65	58	49	48	38	25
43195	-	-	S10ST-152/02-2A	30	40		85.5	82.5	80	77	72	66	58	56	47	35
43200	-	-	S10ST-152/03-2C	37	50		111.5	106.5	103	98	91	81.5	68	66	50.5	30
-	43199	-	S10ST-152/03-2B	45	60		123	117.5	114	109	102	92.5	80	78	63.5	45
-	43198	-	S10ST-152/03-2A	45	60		128.5	125	119.5	115	108	99	86.5	85	70	51
-	43201	-	S10ST-152/03	55	75		134	132.5	125	120.5	114.5	105.5	92.5	91	75	50
-	43203	-	S10ST-152/04-2C	55	75		156.5	149.5	144	138	129.5	117	99.5	98	78	57
-	43202	-	S10ST-152/04-2B	63	85		168.5	160	155.5	150	141	128.5	111.5	110	90.5	67
-	43204	-	S10ST-152/04	75	100		177.5	170	166	160.5	152.5	141	124	122	102.5	79
-	43206	-	S10ST-152/05-2C	75	100		200.5	191.5	185.5	178	167.5	152	130	127	102	70
-	43205	-	S10ST-152/05-2B	75	100		211.5	201.5	196	189	178	162.5	142	140	114.5	84
-	43207	-	S10ST-152/05	93	125		220.5	210	206	199.5	189	174	153.5	152	127	96
-	74103	-	S10ST-152/06-2C	93	125		244.5	235	227	218	205	187	160.5	158	127.5	90
-	74102	-	S10ST-152/06-1B	93	125		262.5	250	244	235.5	222.5	204	180	178	148	110
-	-	43208/ 74101(KW)	S10ST-152/06	110	150		272.5	260	254.5	246.5	234	216.5	191	189	160	124

(Third letter on model will be replaced as N for SS316 MOC)

KW - Keyway Coupling

In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

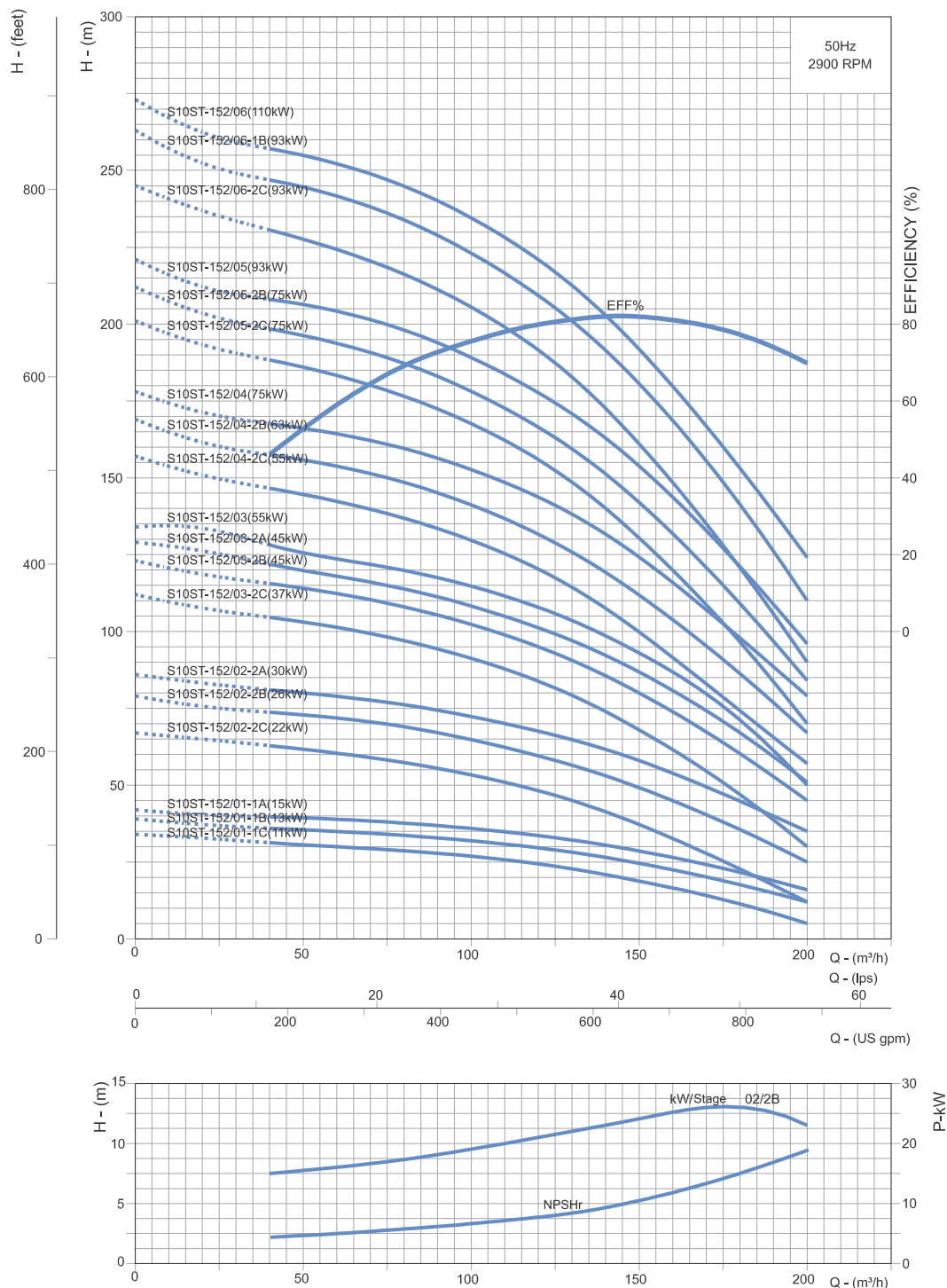
Nominal Diameter : **10"**

Nominal Flow : **152m³/hr**

Outlet Size : **6" BSP**

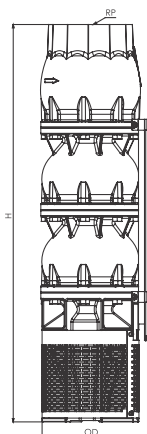
Performance Curves

Nominal Flow : 152 m³/h



Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B.
 In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **152m³/hr**Outlet Size : **6" BSP**
DIMENSIONS & WEIGHT TABLE


Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S10ST-152/07-3B	110	150	247	251	152.4	2002	162.8	196.9	2200 x 280 x 280
S10ST-152/07-1B	110	150	247	251	152.4	2002	162.8	196.9	2200 x 280 x 280
S10ST-152/08-3B	130	175	247	251	152.4	2218	179.9	215.9	2400 x 280 x 280
S10ST-152/08	130	175	247	251	152.4	2218	179.9	215.9	2400 x 280 x 280
S10ST-152/09-3B	150	200	247	251	152.4	2434	179.9	235	2600 x 280 x 280
S10ST-152/09	150	200	247	251	152.4	2434	179.9	235	2600 x 280 x 280

PERFORMANCE TABLE

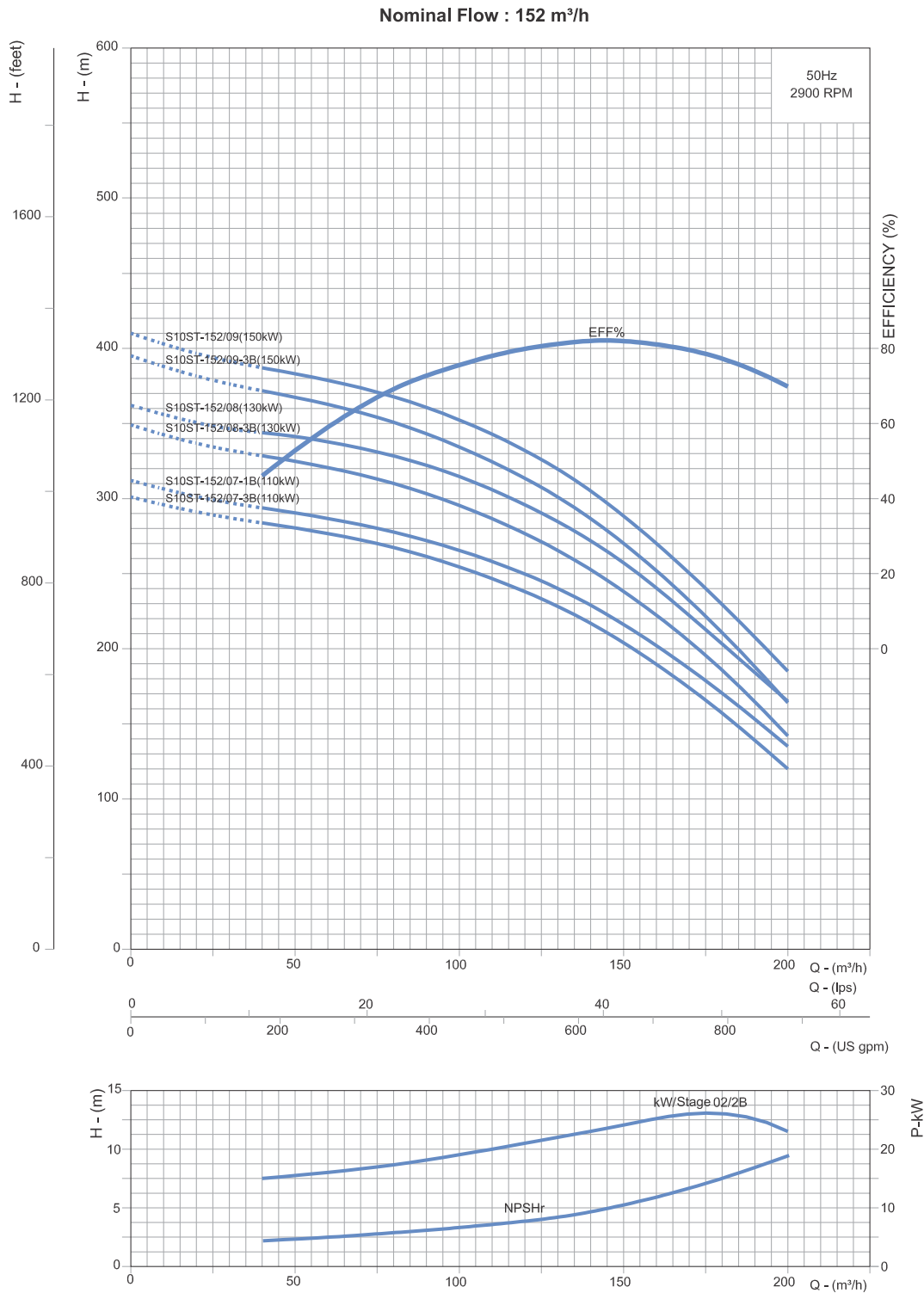
Product Code		Pump Model	kW	HP	m ³ /hr	0	25	50	75	100	125	150	152	175	200
Suitable for 10" Motor Spline	Suitable for 10" Motor Keyway														
74106	74107	S10ST-152/07-3B	110	150	HEAD IN METRES	301	289	280.5	270	254.5	233.5	204	202	165.5	119.5
74104	74105	S10ST-152/07-1B	110	150		300	289	280.5	270	254.5	233	204	213	165.5	119.5
74108	74111	S10ST-152/08-3B	130	175		312	299.5	291	280.5	265.5	245	216	236	178	134.5
74109	74110	S10ST-152/08	130	175		362	348.5	341.5	331	315	290.5	257	254	213	165
74114	74115	S10ST-152/09-3B	150	200		395	379	367.5	354	334.5	307.5	270	268	221.5	164
74112	74113	S10ST-152/09	150	200		410	394	383	370.5	352.5	326	288	285	240	185

(Third letter on model will be replaced as N for SS316 MOC)

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **152m³/hr**Outlet Size : **6" BSP**

Performance Curves

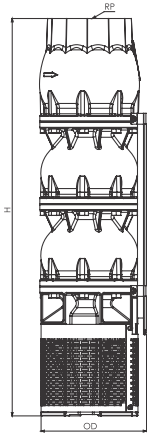


Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B.
 In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **225m³/hr**Outlet Size : **6" BSP**

DIMENSIONS & WEIGHT TABLE



Pump Model	Power		Dimensions				Net Weight in kgs	Gross Weight in kgs	Packing Box size (L x B x H) in mm
			Maximum Outer Diameter (OD) in mm		Outlet Size in mm	Height in mm			
	kW	HP	Single cable guard	Double cable guard	RP	H			
S10ST-225/01-1C	15	20	247	251	152.4	697	51.8	73.6	1000 x 280 x 280
S10ST-225/01-1B	18.5	25	247	251	152.4	697	51.8	73.6	1000 x 280 x 280
S10ST-225/01-1A	22	30	247	251	152.4	697	51.8	73.6	1000 x 280 x 280
S10ST-225/01	26	35	247	251	152.4	697	51.8	73.6	1000 x 280 x 280
S10ST-225/02-2C	30	40	247	251	152.4	913	67.8	91.7	1200 x 280 x 280
S10ST-225/02-2B	37	50	247	251	152.4	913	67.8	91.7	1200 x 280 x 280
S10ST-225/02-2A	45	60	247	251	152.4	922	67.8	91.7	1200 x 280 x 280
S10ST-225/02	55	75	247	251	152.4	922	67.8	91.7	1200 x 280 x 280
S10ST-225/03-2B	63	85	247	251	152.4	1138	92.2	118.1	1400 x 280 x 280
S10ST-225/03-2A	75	100	247	251	152.4	1138	92.2	118.1	1400 x 280 x 280
S10ST-225/03	75	100	247	251	152.4	1138	92.2	118.1	1400 x 280 x 280
S10ST-225/04-2B	93	125	247	251	152.4	1354	108.3	136.2	1600 x 280 x 280
S10ST-225/04-2A	93	125	247	251	152.4	1354	108.3	136.2	1600 x 280 x 280
S10ST-225/04	110	150	247	251	152.4	1354	108.3	136.2	1600 x 280 x 280
S10ST-225/05-2B	110	150	247	251	152.4	1570	124.4	154.3	1800 x 280 x 280
S10ST-225/05	130	175	247	251	152.4	1570	124.4	154.3	1800 x 280 x 280
S10ST-225/06-2B	150	200	247	251	152.4	1786	140.4	172.4	2000 x 280 x 280
S10ST-225/06	150	200	247	251	152.4	1786	140.4	172.4	2000 x 280 x 280

PERFORMANCE TABLE

Product Code			Pump Model	kW	HP	m³/hr	HEAD IN METRES													
Suitable for 6" Motor	Suitable for 8" Motor	Suitable for 10" Motor					0	25	50	75	100	125	150	175	200	225	250	275	300	
74118		-	S10ST-225/01-1C	15	20	HEAD IN METRES	32	31.5	31	29.5	28	27	25	23	21	18	13.5	8	2	
74117		-	S10ST-225/01-1B	18.5	25		37	36.5	35.5	34.5	33	32	31	29	27	23.5	19.5	15	9.5	
74116		-	S10ST-225/01-1A	22	30		41	40.5	39.5	38.5	37	36.5	35.5	33.5	31	28.5	24	20	15	
74119		-	S10ST-225/01	26	35		44.5	44	42.5	41	40	39	38	37	34	32	28	24	20	
74122		-	S10ST-225/02-2C	30	40		65.5	63.5	62	60.5	58	55	51.5	47.5	42.5	36	27.5	16.5	3.5	
74121		-	S10ST-225/02-2B	37	50		75	73	71.5	69.5	67.5	65	62.5	59	54	48	40	30	18	
-	74120	-	S10ST-225/02-2A	45	60		84	81.5	79.5	77.5	75.5	73	70	67	63	57	49	39.5	30	
-	74123	-	S10ST-225/02	55	75		89	86.5	84.5	82	80	78	75.5	72.5	68.5	63	55.5	47	38	
-	74125	-	S10ST-225/03-2B	63	85		120	117	114	110.5	107	103.5	99	94	88	79	67.5	53	36.5	
-	74124	-	S10ST-225/03-2A	75	100		128.5	125	121.5	118	115	111	107	102	95	87	76.5	63.5	48	
-	74126	-	S10ST-225/03	75	100		134	130	126.5	123	120	116	112	107	101	93	83	70.5	56.5	
-	74130	-	S10ST-225/04-2B	93	125		165	160	156.5	152	147.5	143	138	131	121.5	109.5	94	76	55	
-	74129	-	S10ST-225/04-2A	93	125		173	168	163.5	159.5	155	150	145.5	139.5	131.5	120	105	87.5	67.5	
-	-	74127 / 74128(KW)	S10ST-225/04	110	150		182	177.5	172.5	168	163.5	159	154.5	148	140	129.5	116.5	100	80.5	
-	-	74133 / 74134(KW)	S10ST-225/05-2B	110	150		215	208	202.5	198	191.5	186	179.5	170.5	160	146	128.5	106.5	81	
-	-	74131 / 74132(KW)	S10ST-225/05	130	175		231	222.5	216	210	204.5	198.5	192	184.5	174.5	160.5	142.5	122	100	
-	-	74137 / 74138(KW)	S10ST-225/06-2B	150	200		262	254.5	248	241.5	234	227	218	208.5	196	180.5	159.5	133.5	102	
-	-	74135 / 74136(KW)	S10ST-225/06	150	200		274	265	258	251.5	244.5	238	231	221.5	209	192	170	145	117	

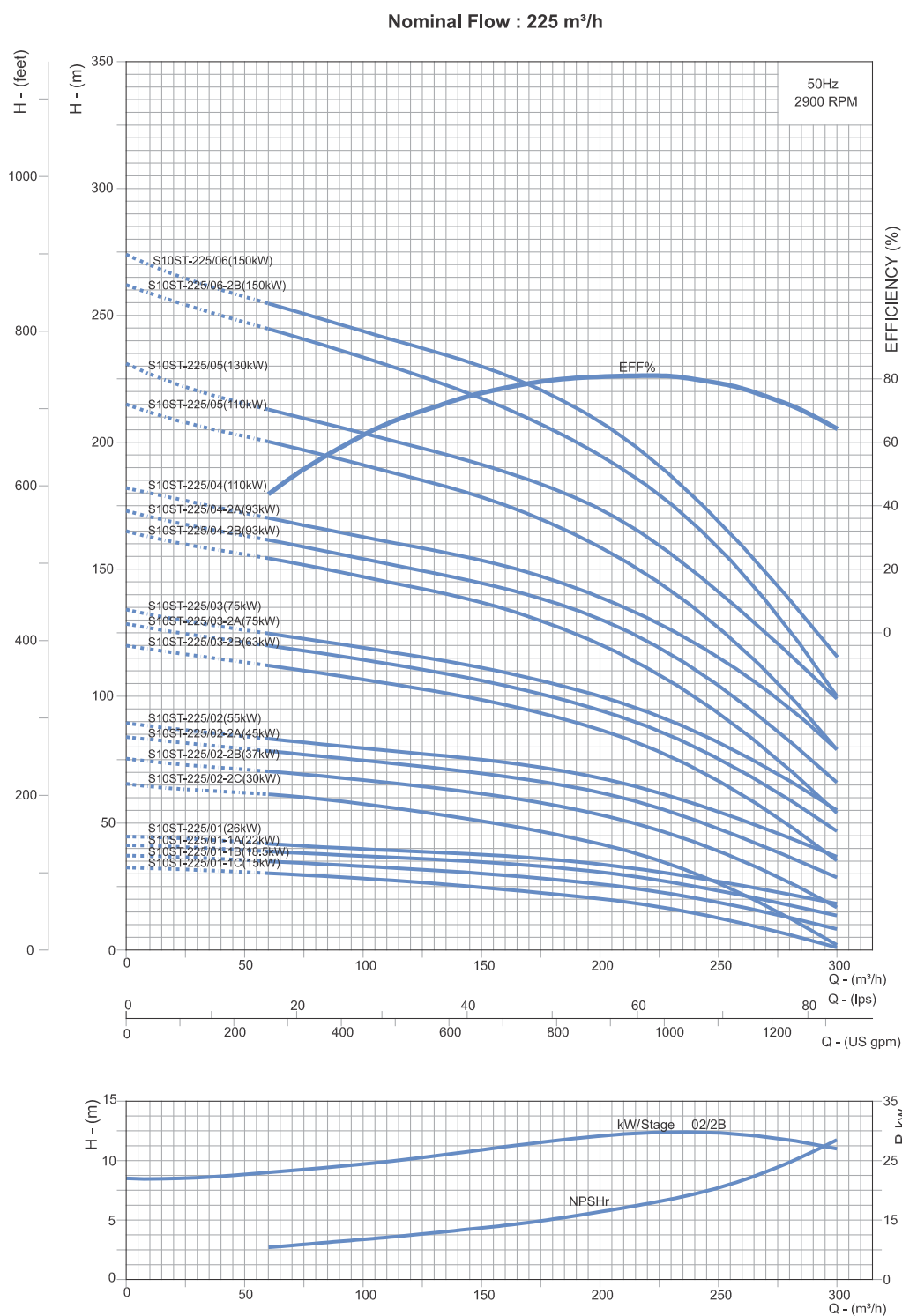
(Third letter on model will be replaced as N for SS316 MOC)

KW - Keyway coupling

MICRO CAST STAINLESS STEEL GRAND SERIES

Nominal Diameter : **10"**Nominal Flow : **225m³/hr**Outlet Size : **6" BSP**

Performance Curves



Refer general information for performance curve conditions and for other details. Curve tolerance according to ISO : 9906, Grade 3B.
In view of continuous developments, the informations / descriptions / specifications / illustrations are subject to change without notice.

FRICTION LOSS TABLE

Grade	Light	Medium	Heavy
Nominal Dia in Inches	Rate of Flow in gpm	Rate of Flow in gpm	Rate of Flow in gpm
1½	30 - 43	28 - 42	25 - 38
2	44 - 83	43 - 79	39 - 72
2½	84 - 158	80 - 156	73 - 146
3	159 - 247	157 - 238	147 - 226
4	248 - 490	239 - 476	227 - 455
5	-	477 - 834	456 - 816
6	-	835 - 1337	817 - 1312

Note : Permissible Range of Volume Rate of Flow in GPM through **Galvanized Steel** Pipe to limit Friction losses to 10% of the Pipe Length.

Grade	Class (36.25 psi)	Class (58 psi)	Class (87 psi)
Nominal Dia in Inches	Rate of Flow in gpm	Rate of Flow in gpm	Rate of Flow in gpm
1½	-	-	Up to 32
2	-	-	33 - 59
2½	-	60 - 115	60 - 108
3	-	116 - 182	109 - 171
3½	183 - 311	183 - 294	172 - 276
4	312 - 528	295 - 504	277 - 472
5	529 - 740	505 - 704	473 - 658
5½	741 - 999	705 - 946	659 - 889
6½	1000 - 1418	947 - 1349	892 - 1267

Note : Permissible Range of Volume Rate of Flow in GPM through **RPVC** Pipe to limit Friction losses to 10% of the Pipe Length.

FRICTION LOSS TABLE

FRICTION LOSS IN METERS FOR 10 METERS LONG NEW STEEL GALVANIZED PIPE (C = 140)

Nominal Pipe Outer dia In mm / inches	25/ 1"	32/ 1¼"	40/ 1½"	50/ 2"	65/ 2½"	80/ 3"	100/ 4"	125/ 5"	150/ 6"
Volume rate of flow lps									
0.50	0.364								
1.00	1.315	0.341							
1.25	1.988	0.516	0.246						
1.60	3.140	0.814	0.388						
2.00		1.231	0.587						
2.50		1.861	0.888	0.282					
3.2		2.940	1.402	0.446	0.126				
4.0			2.120	0.674	0.190				
5.0			3.205	1.019	0.288				
8.0				2.433	0.887	0.313			
10.0				3.678	1.038	0.474	0.131		
12.5					1.570	0.716	0.198		
16					2.479	1.131	0.312	0.111	
20					3.747	1.710	0.472	0.167	
25						2.585	0.713	0.253	0.106
32						4.033	1.127	0.400	0.157
40							1.704	0.605	0.252
50							2.576	0.914	0.351
60								1.281	0.534
80								0.182	0.910
100								3.299	1.376
125									0.051

FRICTION LOSS IN METERS FOR 10 METERS LONG NEW RPVC PIPE (C = 150)

Nominal Pipe Outer dia In mm / inches	40/ 1½"	50/ 2"	63/ 2½"	75/ 3"	90/ 3½"	110/ 4¼"	125/ 5"	140/ 5½"	160/ 6¼"
Volume rate of flow lps									
0.50	0.074								
1.00	0.268								
1.25	0.405	0.131							
1.60	0.640	0.211							
2.00	0.967	0.310							
2.50	1.462	0.483	0.150						
3.20	2.309	0.762	0.250	0.106					
4.0	3.491	1.153	0.377	0.160					
5.0		1.742	0.571	0.242					
8.0		4.161	1.363	0.577	0.237				
10.0			2.060	0.873	0.358	0.133			
12.5			3.114	1.319	0.542	0.201			
16			4.919	2.084	0.856	0.317	0.172		
20				3.151	1.293	0.479	0.260		
25					1.955	0.725	0.392	0.225	0.117
32					3.089	1.145	0.020	0.355	0.184
40						1.731	0.937	0.537	0.279
50						2.617	1.416	0.812	0.421
60						3.008	1.985	1.138	0.590
80							3.382	1.939	1.006
100								2.931	1.521
125									2.299

FRICTION LOSS TABLE

PERMISSIBLE RANGE OF VOLUME RATES OF FLOW IN I/S THROUGH GALVANIZED STEEL PIPE TO LIMIT FRICTION LOSSES TO 10 PERCENT OF THE PIPE LENGTH

Grade ➡	Light	Medium	Heavy
Nominal pipe dia in mm ↓	Rate of flow in lps	Rate of flow in lps	Rate of flow in lps
40	1.90 - 2.74	1.79 - 2.67	1.59 - 2.41
50	2.74 - 5.24	2.67 - 4.95	2.41 - 4.54
65	5.24 - 9.97	4.95 - 9.80	4.54 - 9.17
80	9.97 - 15.54	9.80 - 14.97	9.17 - 14.20
100	15.54 - 30.84	14.97 - 30.0	14.20 - 28.67
125	-	30.0 - 52.50	28.67 - 51.37
150	-	52.50 - 84.18	51.37 - 82.63

PERMISSIBLE RANGE OF VOLUME RATES OF FLOW IN I/S THROUGH RPVC PIPE TO LIMIT FRICTION LOSSES TO 10 PERCENT OF THE PIPE LENGTH

Grade ➡	Class (0.25Mpa)	Class (0.4Mpa)	Class (0.6Mpa)
Nominal pipe dia in mm ↓	Rate of flow in lps	Rate of flow in lps	Rate of flow in lps
40	-	-	Up to 2.04
50	-	-	2.04 - 3.70
63	-	3.80 - 7.24	3.70 - 6.77
75	-	7.24 - 11.47	6.77 - 10.76
90	11.50 - 19.58	11.47 - 18.50	10.76 - 17.41
110	19.58 - 33.25	18.59 - 31.71	17.41 - 29.75
125	33.25 - 46.63	31.71 - 44.33	29.75 - 41.44
140	46.63 - 62.92	44.33 - 59.79	41.44 - 55.97
160	62.92 - 89.28	59.79 - 84.95	55.97 - 79.76

CONVERSION TABLE

FLOW RATE

litre per second l/s	litre per minute l/min	cubic meter per hour m ³ /h	cubic foot per hour ft ³ /h	cubic foot per minute ft ³ /min	Imp.gallon per minute Imp.gal./min	US gallon per minute Us gal./min	Us barrel per day ls barrel/d (Petroleum)
1	60	3.6	127.133	2.1189	13.2	15.85	543.439
0.017	1	0.06	2.1189	0.0353	0.22	0.264	9.057
0.278	16.667	1	35.3147	0.5886	3.666	4.403	150.955
0.008	0.472	0.0283	1	0.0167	0.104	0.125	4.275
0.472	28.317	1.6990	60	1	6.229	7.480	256.475
0.076	4.546	0.2728	9.6326	0.1605	1	1.201	41.175
0.063	3.785	0.2271	8.0209	0.1337	0.833	1	34.286
0.002	0.110	0.0066	0.2339	0.0039	0.024	0.029	1

LIQUID

Cubic meter m ³	litre l	Milli litre ml	Imp. gallon Imp. Gal	US gallon US gal	cubic foot ft ³
1	1000	1 x 10 ⁶	220	264.2	35.3147
0.001	1	1000	0.22	0.2642	0.0353
1 x 10 ⁻⁶	0.001	1	2.2 X 10 ⁻⁴	2.642 x 10 ⁻⁴	3.53 x 10 ⁻⁶
0.00455	4.546	4546	1	1.201	0.1605
0.00378	3.785	3785	0.8327	1	0.1337
0.0283	28.317	28317	6.2288	7.4805	1

LIQUID HEAD AND PRESSURE

newton per square meter N/m ² (Pa)	kilo pascal kPa	bar	kilogram force per square centimeter Kg/cm2	pound force per square inch psi	foot for water ft H ₂ O	meter of water m H ₂ O	millimeter of mercury mm Hg	inch of mercury in Hg
1	0.001	1 x 10 ⁻⁵	1.02 x 10 ⁻⁵	1.45 x 10 ⁻⁴	3.35 x 10 ⁻⁴	1.02 x 10 ⁻⁴	0.0075	2.95 x 10 ⁻⁴
1000	1	0.01	0.0102	0.145	0.335	0.102	7.5	0.295
1 x 10 ⁻⁵	100	1	1.02	14.5	33.52	10.2	750.1	29.53
98,067	98.07	0.981	1	14.22	32.81	10	735.6	28.96
6895	6.895	0.069	0.0703	1	2.31	0.703	51.72	2.036
2984	2.984	0.03	0.0305	0.433	1	0.305	22.42	0.882
9789	9.789	0.098	0.1	1.42	3.28	1	73.42	2.891
133.3	0.133	0.0013	0.0014	0.019	0.045	0.014	1	0.039
3386	3.386	0.0338	0.0345	0.491	1.133	0.0345	25.4	1

LENGTH

millimeter mm	centimeter cm	meter m	inch in	foot ft	yard yd
1	0.1	0.001	0.0394	0.0033	0.0011
10	1	0.01	0.3937	0.0328	0.0109
1000	100	1	39.3701	3.2808	1.0936
25.4	2.54	0.0254	1	0.0833	0.0278
304.8	30.48	0.3048	12	1	0.3333
914.4	91.44	0.9144	36	3	1

1 Kilometer = 1000 metres = 0.62137 miles 1 mile = 1609.37 metres = 1.60934 kilometers

MASS

kilogram kg	pound lb	hundred weight (cwt)	tonne t	ton long tn	short ton sh tn
1	2.205	0.0197	0.001	9.84 x 10 ⁻⁴	0.0011
0.454	1	0.0089	4.54 x 10 ⁻⁴	4.46 x 10 ⁻⁴	5.0 x 10 ⁻⁴
50.802	112	1	0.0508	0.05	0.056
1000	2204.6	19.684	1	0.9842	1.1023
1016	2240	20	1.0161	1	1.102
907.2	2000	17.857	0.9072	0.8929	1

TEMPERATURE

To Convert From	To	Use Formula
Temperature Celsius, tc	Temperature Kelvin, tk	K = tc + 273.15
Temperature Fahrenheit, tf	Temperature Kelvin, tk	K = (tf + 459.67 / 1.8)
Temperature Celsius, tc	Temperature Fahrenheit, tf	F = 1.8 tc + 32
Temperature Fahrenheit, tf	Temperature Celsius, tc	C = (tf - 32) / 1.8
Temperature Kelvin, tk	Temperature Celsius, tc	C = tk - 273.15
Temperature Kelvin, tk	Temperature Fahrenheit, tf	F = 1.8tk - 459.67

NOTES

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C.R.I. PUMPS (PVT) LIMITED

(International Division)

7/46-1, Keeranatham Road, Saravanampatty, Coimbatore - 641 035. **India.**

Phone : +91-422-7117310, 7117312. Fax : +91-422-7117300, e-mail : cri@crifluidsystems.com website : www.crifluidsystems.com

BOMBAS C.R.I. ESPAÑA, S.L.

Poligono Industriail El Bony Calle 31, No. 137, 46470

Catarroja (Valencia) **Spain.**

Tel : +34-96 1842 974, Fax : +34-96 1842 977

e-mail : admin-es@crifluidsystems.com website : www.crifluidsystems.com

BOMBAS C.R.I. ESPAÑA S.L. UNIPERSONAL

Via del Progresso 9/13, Pieve Emanuele, 20090, Milano, **Italy.**

e-mail : admin-it@crifluidsystems.com

website : www.crifluidsystems.com

C.R.I. BOMBAS HIDRÁULICAS LTDA

Av. Rodrigo Fernando Grillo, 457, Jd. Manacas,

CEP - 14.801-534, Araraquara - SP, **Brasil.**

Fone : +55-16-3331 1099, Fax : +55-16-3331 5344

e-mail : cri@cribombas.com.br website : www.crifluidsystems.com

Filial : Jaboatão dos Guararapes-PE, Brasil.

Fone : (81) 3093-9620, Fax : (81) 3093-9600.

C.R.I. PUMPS S.A. (PTY) LIMITED

Stand 63, Capital Hill Commercial Estate,

Cnr. K101 & Le Roux Avenue, Midrand -1685,

Johannesburg, **South Africa.** Phone: +27 11 8058631 /32

cri-za@crifluidsystems.com Fax: +27-11-8058630

Web: www.crifluidsystems.com

C.R.I. POMPA SANAYİ VE TİCARET LİMİTED ŞİRKETİ

Izmir **Turkey.** e-mail : cri@crifluidsystems.com

website : www.crifluidsystems.com

PT. CRI FLUID SYSTEMS

Boutique Office Jalan Kawasan Industri & Pergudangan Marunda

Center, Blok C No.10, Kelurahan Segaramakmur Kecamatan

Tarumajaya Kabupaten Bekasi, Jawa Barat **Indonesia** -17211.

Telepon : 021 88998118 e-mail : sales.id@crifluidsystems.com

website : www.crifluidsystems.com

C.R.I. FLUID SYSTEMS USA LLC.

620 N Fairfield St, Amarillo, Texas 79107, **USA.**

Tel : 832-430-4660 Email : sales.us@crifluidsystems.com

Website: www.crifluidsystems.com

C.R.I. FLUID SYSTEMS MEXICO S. DE R.L. DE C.V

Ciudad de **Mexico,**

Email : sales.mx@crifluidsystems.com,

Website : www.crifluidsystems.com

C.R.I. PUMPS (FZC)

P.O. Box 7988, A4-12 SAIF-Zone, **Sharjah,** U.A.E.

Tel : +971-6-5573041, Fax : +971-6-5573042

e-mail : cri-uae@crifluidsystems.com

website : www.crifluidsystems.com

C.R.I. FLUID SYSTEMS INC.,

Polyland Industrial Subdivision, Warehouse #3, Block 4,

Kendex St., Bo. Iba, Meycauayan, Bulacan. **Philippines.** Zip-3017.

Phone : +63 44 762 8887 / +63 44 802 6199, Fax : +63 44 762 8883.

e-mail : sales.ph@crigroups.com

Website : www.crifluidsystems.com

C.R.I. FLUID SYSTEMS (BD) LTD.,

1-Dilkusha C/A, Hotel Purbani Annex -2, 4th Floor,

Dhaka-1000, **Bangladesh.** e-mail : cri@crifluidsystems.com

website : www.crifluidsystems.com

C.R.I. PUMPS (Shanghai) Co., Ltd.

Room 510, No 1855 Qixin Road,

Minhang District, **Shanghai** - 201101. China.

Tel : +86-21-54405082, Fax : +86-21-54405083

e-mail : sales-chn@crifluidsystems.com

website : www.crifluidsystems.com



<https://www.linkedin.com/company/cri-fluid-systems>



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https://www.instagram.com/cri_fluidsystems/