

FPS



Submersible Pumps

FPS
FS series



316
STAINLESS STEEL
SUBMERSIBLE PUMPS

8" / 10" / 12"



316 STAINLESS STEEL SUBMERSIBLE PUMPS

Features	2
8" FPS-FS 50 Hz Submersible Turbine Pump: Ordering Information	3
10" FPS-FS 50 Hz Submersible Turbine Pump: Ordering Information	4
12" FPS-FS 50 Hz Submersible Turbine Pump: Ordering Information	5
FPS-FS 50 Hz Submersible Turbine Pump: Part and material specifications	6
8" Stainless Steel: FPS-110FS Performance Curve – 50Hz	7
FPS-110FS: Performance and Dimensional Information	8
8" Stainless Steel: FPS-140FS Performance Curve – 50Hz	9
FPS-140FS: Performance and Dimensional Information	10
10" Stainless Steel: FPS-180FS Performance Curve – 50Hz	11
FPS-180FS: Performance and Dimensional Information	12
10" Stainless Steel: FPS-200FS Performance Curve – 50Hz	13
FPS-200FS: Performance and Dimensional Information	14
10" Stainless Steel: FPS-260FS Performance Curve – 50Hz	15
FPS-260FS: Performance and Dimensional Information	16
12" Stainless Steel: FPS-300FS Performance Curve – 50Hz	17
FPS-300FS: Performance and Dimensional Information	18
12" Stainless Steel: FPS-400FS Performance Curve – 50Hz	19
FPS-400FS: Performance and Dimensional Information	20



316 STAINLESS STEEL Submersible Pumps

STAINLESS STEEL SUBMERSIBLE PUMPS

40 TO 540 M³/H



The FS Series pumps have been engineered in all AISI 316 stainless steel for efficient and reliable pumping of liquids in marine, residential, municipal, industrial and agricultural applications.

- 8": 100 and 130 m³/h
- 10": 180 and 200 m³/h
- 12": 260, 300 and 400 m³/h

FEATURES:

- 100% factory tested
- Stainless Steel AISI 316 discharge and suction bracket
- Stainless Steel AISI 316 bowls
- 8", 10" and 12" sizes
- Stainless Steel impellers and diffusers
- Impellers locked onto shaft with keys
- Rubber bearings
- Integrated Non Return valve on all models
- Stainless Steel 329 duplex pump shaft for increased durability
- All pumps suit Franklin Electric motors
- Flanged and BSPP discharges
- Maximum running time at zero delivery is 2 minutes

Model Number Explanation

Example: 300 FS 12 - 5 A - 5 12 250

300 = Flow in m³/hr

FS = Series

12 = Pump End

5 = Stages

A = Trim

5 = 50 Hz

12 = Motor size

250 = 250 kW



8" FPS-FS 50 HZ SUBMERSIBLE TURBINE PUMP
ORDERING INFORMATION

M ³ /H	Model	kW	HP	Stages	Trim	Motor	Discharge	ORDER No.	Build No
100	FPS-110FS-2H	13	17.5	2	H	6"	125	96508110305	110FS08-2H-506013
	FPS-110FS-3G	18.50	25	3	G	6"	125	96508110310	110FS08-3G-506018
	FPS-110FS-3B	22	30	3	B	6"	125	96508110315	110FS08-3B-506022
	FPS-110FS-4F	26	35	4	F	6"	125	96508110320	110FS08-4F-506026
	FPS-110FS-5I	30	40	5	I	6"	125	96508110325	110FS08-5I-506030
	FPS-110FS-5F	37	50	5	F	6"	125	96508110330	110FS08-5F-506037
	FPS-110FS-5G	37	50	5	G	6"	125		110FS08-5G-506037
	FPS-110FS-6H	37	50	6	H	6"	125	96508110335	110FS08-6H-506037
	FPS-110FS-6L	37	50	6	L	6"	125		110FS08-6L-506037
	FPS-110FS-6F	45	60	6	F	6"	125	96508110340	110FS08-6F-506045
	FPS-110FS-6B	45	60	6	B	6"	125	96508110345	110FS08-6B-506045
	FPS-110FS-7C	52	70	7	C	8"	125	96508110350	110FS08-7C-506052
	FPS-110FS-9L	55	75	9	L	8"	125	96508110355	110FS08-9L-506055
	FPS-110FS-9G	60	80	9	G	8"	125	96508110360	110FS08-9G-506060
	FPS-110FS-9B	67	90	9	B	8"	125	96508110365	110FS08-9B-506067
	FPS-110FS-10B	75	100	10	B	8"	125	96508110370	110FS08-10B-506075
	FPS-110FS-11B	93	125	11	B	8"	125	96508110375	110FS08-11B-506093
	FPS-110FS-13E	93	125	13	E	8"	125	96508110380	110FS08-13E-506093
	FPS-110FS-14C	110	150	14	C	8"	125	96508110385	110FS08-14C-506110
	FPS-110FS-15C	110	150	15	C	8"	125	96508110390	110FS08-15C-506110

130	FPS-140FS-2M	13	17.5	2	M	6"	125	96508140300	140FS08-2M-506013
	FPS-140FS-2F	15	20	2	F	6"	125	96508140305	140FS08-2F-506015
	FPS-140FS-2C	18.5	25	2	C	6"	125	96508140310	140FS08-2C-506018
	FPS-140FS-3N	18.5	25	3	N	6"	125	96508140315	140FS08-3N-506018
	FPS-140FS-3L	22	30	3	L	6"	125	96508140320	140FS08-3L-506022
	FPS-140FS-3B	26	35	3	B	6"	125	96508140325	140FS08-3B-506026
	FPS-140FS-4E	30	40	4	E	6"	125	96508140330	140FS08-4E-506030
	FPS-140FS-4C	37	50	4	C	6"	125	96508140335	140FS08-4C-506037
	FPS-140FS-4D	37	50	4	D	6"	125	96508140340	140FS08-4D-506037
	FPS-140FS-5F	37	50	5	F	6"	125	96508140345	140FS08-5F-506037
	FPS-140FS-5G	37	50	5	G	6"	125	96508140350	140FS08-5G-506037
	FPS-140FS-5E	45	60	5	E	6"	125	96508140355	140FS08-5E-506045
	FPS-140FS-6F	45	60	6	F	6"	125	96508140360	140FS08-6F-506045
	FPS-140FS-7G	55	75	7	G	8"	125	96508140365	140FS08-7G-506055
	FPS-140FS-7E	55	75	7	E	8"	125	96508140370	140FS08-7E-506055
	FPS-140FS-8G	60	80	8	G	8"	125	96508140375	140FS08-8G-506060
	FPS-140FS-9G	67	90	9	G	8"	125	96508140380	140FS08-9G-506067
	FPS-140FS-9C	75	100	9	C	8"	125	96508140385	140FS08-9C-506075
	FPS-140FS-11C	93	125	11	C	8"	125	96508140390	140FS08-11C-506093
	FPS-140FS-13C	110	150	13	C	8"	125	96508140395	140FS08-13C-506110

SUBMERSIBLE PUMPS

10" FPS-FS 50 HZ SUBMERSIBLE TURBINE PUMP

ORDERING INFORMATION

M ³ /H	Model	kW	HP	Stages	Trim	Motor	Discharge	ORDER No.	Build No
180	FPS-18-FS-1I	18.5	25	1	I	6"	150	96510180605	180FS10-1I-506018
	FPS-180FS-1D	22	30	1	D	6"	150	96510180610	180FS10-1D-506022
	FPS-180FS-2O	30	40	2	O	6"	150	96510180612	180FS10-2O-506030
	FPS-180FS-2H	37	50	2	H	8"	150	96510180615	180FS10-2H-508037
	FPS-180FS-2C	45	60	2	C	8"	150	96510180620	180FS10-2C-508045
	FPS-180FS-3H	55	75	3	H	8"	150	96510180630	180FS10-3H-508055
	FPS-180FS-4G	75	100	4	G	8"	150	96510180635	180FS10-4G-508075
	FPS-180FS-4B	93	125	4	B	8"	150	96510180640	180FS10-4B-508093
	FPS-180FS-5D	110	150	5	D	10"	150	96510180645	180FS10-5D-510110
	FPS-180FS-6D	130	175	6	D	10"	150	96510180650	180FS10-6D-510130
	FPS-180FS-7E	150	200	7	E	10"	150	96510180655	180FS10-7E-510150
	FPS-180FS-9F	185	250	9	F	10"	150	96510180660	180FS10-9F-508185
200	FPS-200FS-1D	18.5	25	1	D	6"	150	96510200605	200FS10-1D-506018
	FPS-200FS-2H	30	40	2	H	6"	150	96510200610	200FS10-2H-508030
	FPS-200FS-2D	37	50	2	D	8"	150	96510200615	200FS10-2D-508037
	FPS-200FS-3I	45	60	3	I	8"	150	96510200620	200FS10-3I-508045
	FPS-200FS-3D	55	75	3	D	8"	150	96510200625	200FS10-3D-508055
	FPS-200FS-4C	75	100	4	C	8"	150	96510200630	200FS10-4C-508075
	FPS-200FS-5E	93	125	5	E	10"	150	96510200635	200FS10-5E-508093
	FPS-200FS-6D	110	150	6	D	10"	150	96510200640	200FS10-6D-510110
	FPS-200FS-7C	130	175	7	C	10"	150	96510200645	200FS10-7C-510130
	FPS-200FS-8C	150	200	8	C	10"	150	96510200650	200FS10-8C-510150
	FPS-200FS-10C	185	250	10	C	10"	150	96510200655	200FS10-10C-510185

12" FPS-FS 50 HZ SUBMERSIBLE TURBINE PUMP

ORDERING INFORMATION

M ³ /H	Model	kW	HP	Stages	Trim	Motor	Discharge	ORDER No.	Build No
260	FPS-260FS-1D	30	40	1	D	6"	150	96510260605	260FS10-1D-506030
	FPS-260FS-2P	37	50	2	P	8"	150	96510260610	260FS10-2P-508037
	FPS-260FS-2I	45	60	2	I	8"	150	96510260615	260FS10-2I-508045
	FPS-260FS-2C	55	75	2	C	8"	150	96510260620	260FS10-2C-508055
	FPS-260FS-3E	75	100	3	E	8"	150	96510260625	260FS10-3E-508075
	FPS-260FS-4G	93	125	4	G	8"	150	96510260630	260FS10-4G-508093
	FPS-260FS-4C	110	150	4	C	10"	150	96510260635	260FS10-4C-510110
	FPS-260FS-5D	130	175	5	D	10"	150	96510260640	260FS10-5D-510130
	FPS-260FS-6D	150	200	6	D	10"	150	96510260645	260FS10-6D-510150
	FPS-260FS-7D	185	250	7	D	10"	150	96510260650	260FS10-7D-510185
300	FPS-300FS-1B	45	60	1	B	8"	175	96512300605	300FS12-1B-508045
	FPS-300FS-1B	55	75	1	B	8"	175	96512300610	300FS12-1B-508055
	FPS-300FS-2C	75	100	2	C	8"	175	96512300615	300FS12-2C-508075
	FPS-300FS-2B	93	125	2	B	8"	175	96512300620	300FS12-2B-508093
	FPS-300FS-2A	110	150	2	A	10"	175	96512300625	300FS12-2A-510110
	FPS-300FS-3B	130	175	3	B	10"	175	96512300630	300FS12-3B-510130
	FPS-300FS-3A	150	200	3	A	10"	175	96512300635	300FS12-3A-508150
	FPS-300FS-4A	185	250	4	A	12"	175	96512300640	300FS12-4A-510185
	FPS-300FS-5B	220	300	5	B	12"	175	96512300645	300FS12-5B-512220
	FPS-300FS-5A	250	340	5	A	12"	175	96512300650	300FS12-5A-512250
400	FPS-400FS-1B	45	60	1	B	8"	175	96512400605	400FS12-1B-508045
	FPS-400FS-1A	55	75	1	A	8"	175	96512400610	400FS12-1A-508055
	FPS-400FS-2B	93	125	2	B	8"	175	96512400615	400FS12-2B-508093
	FPS-400FS-2A	110	150	2	A	10"	175	96512400620	400FS12-2A-508110
	FPS-400FS-3B	130	175	3	B	10"	175	96512400625	400FS12-3B-508130
	FPS-400FS-3A	150	200	3	A	10"	175	96512400630	400FS12-3A-508150
	FPS-400FS-4B	185	250	4	B	12"	175	96512400635	400FS12-4B-510185
	FPS-400FS-4A	220	300	4	A	12"	175	96512400640	400FS12-4A-512220
	FPS-400FS-5A	250	340	5	A	12"	175	96512400645	400FS12-5A-512250

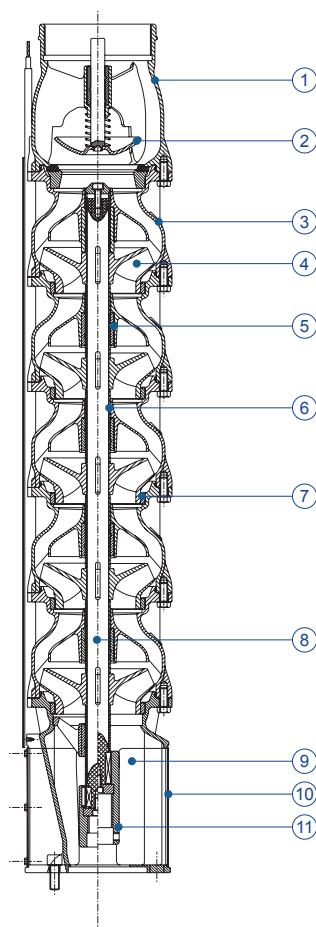
SUBMERSIBLE PUMPS

FPS-FS 50 HZ SUBMERSIBLE TURBINE PUMP

PART AND MATERIAL SPECIFICATIONS

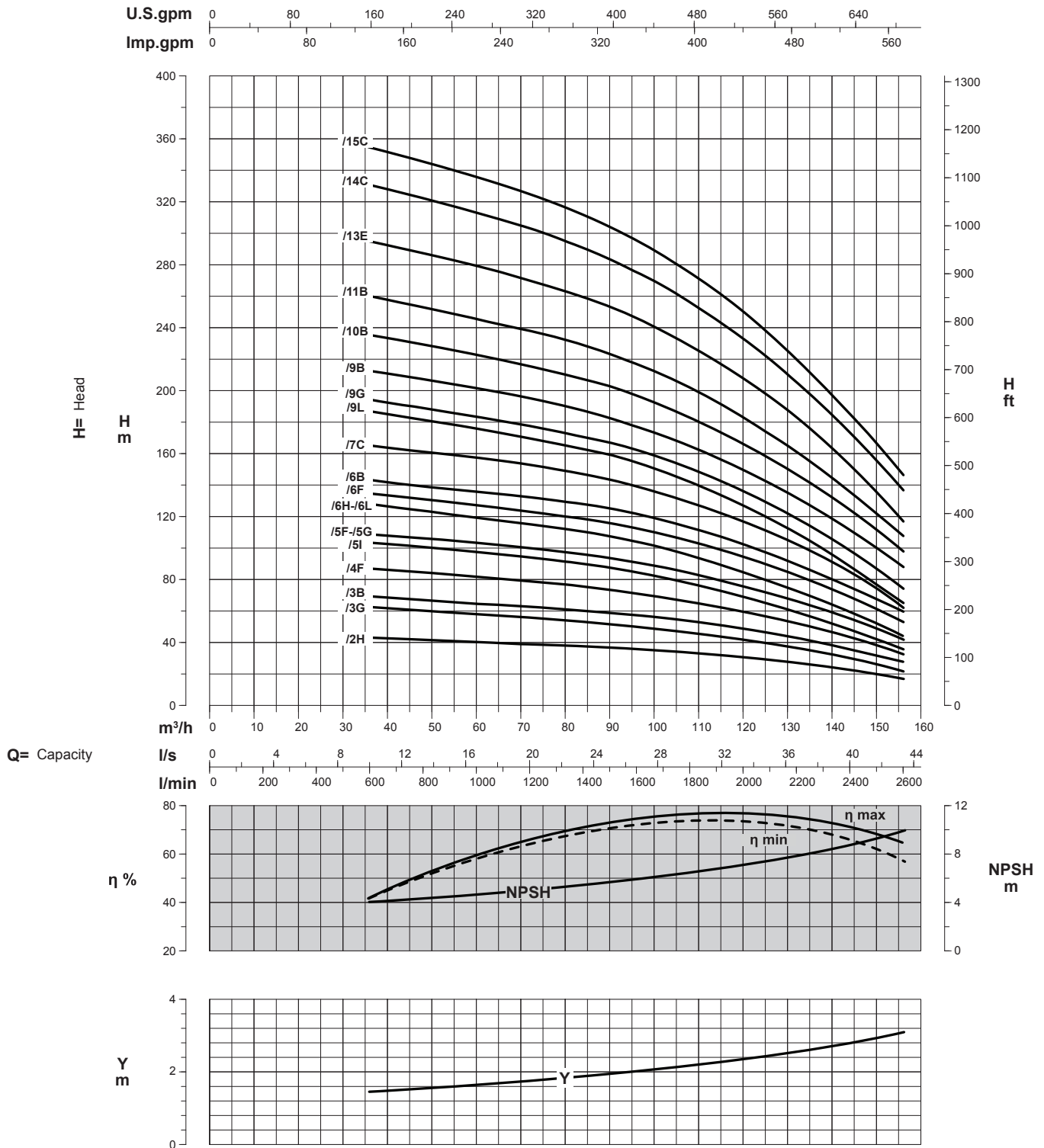
Item	Part name	Material
1	Delivery Bowl	316 Stainless Steel
2	Retaining Valve	316 Stainless Steel
3	Diffuser	316 Stainless Steel
4	Impeller	316 Stainless Steel
5	Journal Bearing	PTFE
6	Spacer Bushing	316 Stainless Steel
7	Wear Ring	POM
8	Shaft	329 Stainless Steel
9	Suction Bowl	316 Stainless Steel
10	Intake Screen	316 Stainless Steel
11	Coupling	316 Stainless Steel

FS SERIES



8" STAINLESS STEEL

FPS-110FS PERFORMANCE CURVE - 50HZ

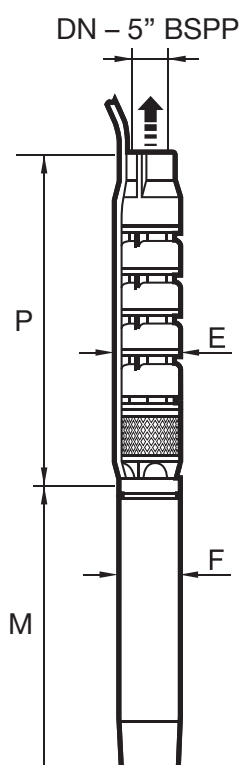


SUBMERSIBLE PUMPS

FPS-110FS

PERFORMANCE AND DIMENSIONAL INFORMATION

Build No.	kW	HP	l/min m3/hr l/s	0	600	1100	1400	1600	1700	1800	1900	2000	2100	2300	2600
				0	36	66	84	96	102	108	114	120	126	138	156
				0	10	18.3	23.3	26.7	28.3	30	31.7	33.3	35	38.8	43.3
110FS08-2H-506013	13	17.5	Head (m)	47.5	42.5	39.5	37	35.5	34.5	33.5	32	30.5	28.5	24.5	17
110FS08-3G-506018	18.5	25		69.5	63	57.5	53	50.5	49	47	45	42	39.5	33	22
110FS08-3B-506022	22	30		76	69	64	60.5	57.5	56	54	51.5	49	46	39	27.5
110FS08-4F-506026	26	35		95	87.5	80.5	75.5	72	69.5	67	63.5	60	56	47.5	32.5
110FS08-5I-506030	30	40		112.5	103.5	95	89	84	81.5	78	74	69.5	64.5	53.5	35.5
110FS08-5F-506037	37	50		118	109.5	101.5	95.5	91	88	85	80.5	76	71	60.5	41.5
110FS08-5G-506037	37	50		118	109.5	101.5	95.5	91	88	85	80.5	76	71	60.5	41.5
110FS08-6H-506037	37	50		137.5	126	117	109.5	103.5	100	96	90.5	85	79	66	45
110FS08-6L-506037	37	50		137.5	126	117	109.5	103.5	100	96	90.5	85	79	66	45
110FS08-6F-506045	45	60		144.5	134	124.5	117.5	112	109	105.5	100.5	95	89	76	53.5
110FS08-6B-506045	45	60		155.5	144	134.5	127	121	117.5	113.5	108.5	102.5	96.5	83	59.5
110FS08-7C-506052	52	70		178.5	165.5	154	146	139	135	130.5	124.5	117.5	110	92.5	63.5
110FS08-9L-506055	55	75		200.5	186	171.5	161.5	154	149	143	136	127.5	118.5	98.5	66
110FS08-9G-506060	60	80		209	194.5	180	170	162	157	152	146	137.5	128.5	108.5	74.5
110FS08-9B-506067	67	90		225.5	212	196.5	185.5	176.5	171.5	165.5	159	150.5	141	121	88
110FS08-10B-506075	75	100		251	235.5	218	206	196	190.5	184	177	167.5	157	134.5	97.5
110FS08-11B-506093	93	125		276	259	240	226.5	215.5	209.5	202.5	194.5	184	172.5	147.5	107.5
110FS08-13E-506093	93	125		313	294	272	257	244.5	238	230	221	209	196.5	167.5	117.5
110FS08-14C-506110	110	150		351	329.5	305.5	288.5	274.5	266.5	257.5	247.5	234	219.5	188	137
110FS08-15C-506110	110	150		376	353	327.5	309	294	285.5	276	265.5	251	235.5	201.5	146.5



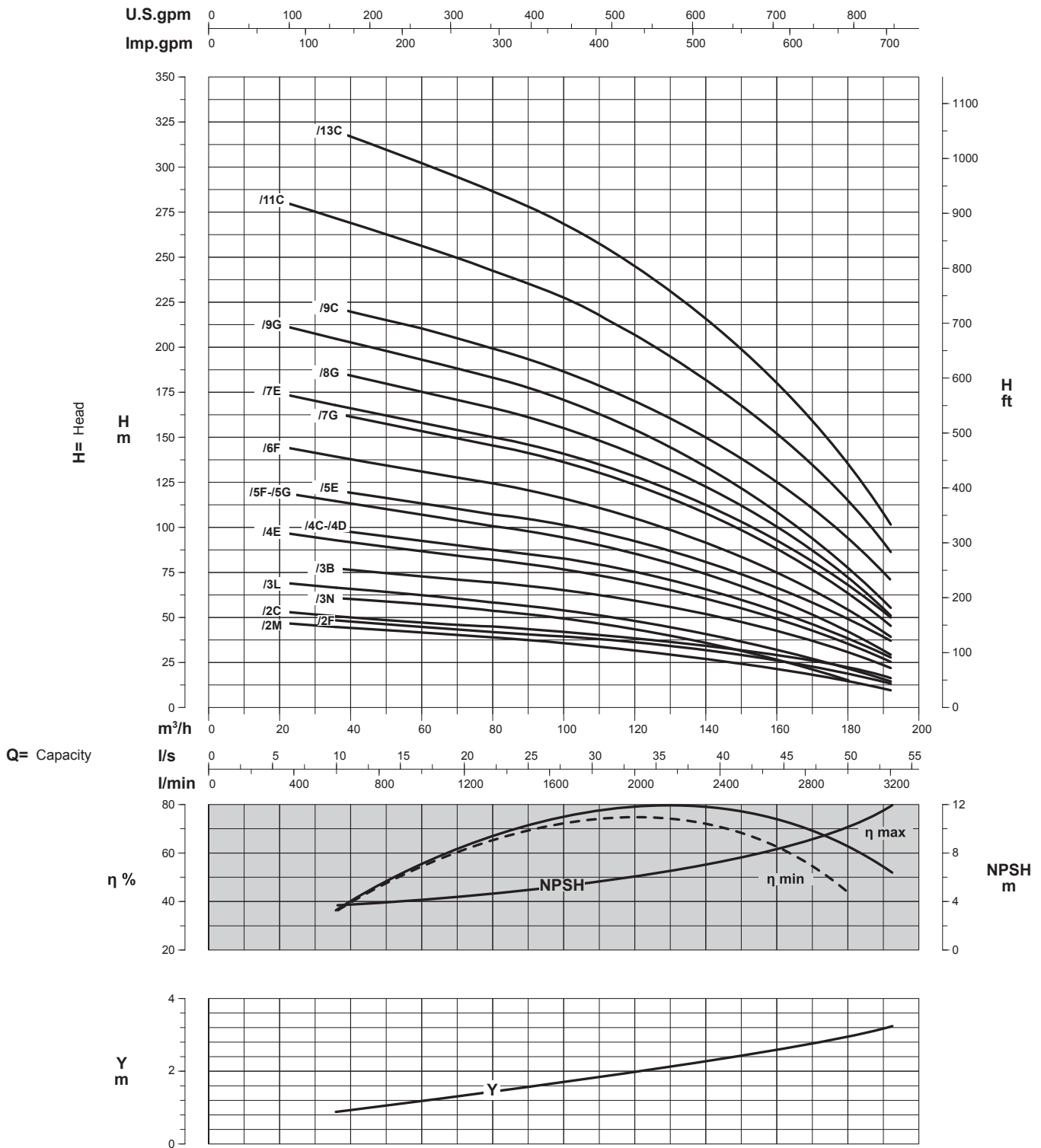
Model	P	M	DN	E _{max}	F	Weight (kg)
FPS-110FS-2H	729	*	125	196	142	36
FPS-110FS-3G	886	*	125	196	142	46
FPS-110FS-3B	886	*	125	196	142	46
FPS-110FS-4F	1043	*	125	196	142	56
FPS-110FS-5I	1200	*	125	196	142	66
FPS-110FS-5F	1200	*	125	198	142	66
FPS-110FS-5G	1200	*	125	198	142	66
FPS-110FS-6H	1357	*	125	198	142	76
FPS-110FS-6L	1357	*	125	198	142	76
FPS-110FS-6F	1357	*	125	198	142	76
FPS-110FS-6B	1357	*	125	198	142	76
FPS-110FS-7C	1514	*	125	198	190	86
FPS-110FS-9L	1828	*	125	198	190	106
FPS-110FS-9G	1828	*	125	198	190	106
FPS-110FS-9B	1828	*	125	200	190	106
FPS-110FS-10B	1985	*	125	200	190	116
FPS-110FS-11B	2142	*	125	202	190	126
FPS-110FS-13E	2456	*	125	202	190	146
FPS-110FS-14C	2613	*	125	202	190	156
FPS-110FS-15C	2770	*	125	202	190	166

Notes:

1. Dimensions in millimetres
2. * "M" Refer to Franklin motor brochure for data

8" STAINLESS STEEL

FPS - 140FS PERFORMANCE CURVE - 50HZ



Notes:

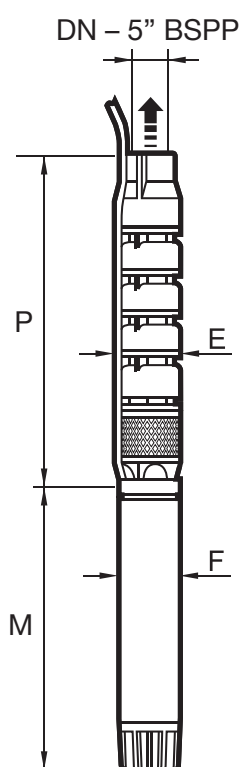
- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

SUBMERSIBLE PUMPS

FPS-140FS

PERFORMANCE AND DIMENSIONAL INFORMATION

Build No.	kW	HP	l/min m3/hr l/s	0	600	1200	1600	1800	2000	2200	2400	2600	2800	3000	3200
				0	36	72	96	108	120	132	144	156	168	180	192
				0	10	20	26.7	30	33.3	36.7	40	43.3	46.7	50	53.3
140FS08-2M-506013	13	17.5	Head (m)	47.5	42	37.5	34.5	33	30.5	28	24.5	20.5	16	12	8.5
140FS08-2F-506015	15	20		52	46	41	38.5	36.2	34.5	32	29	25	21	16.5	12
140FS08-2C-506018	18.5	25		55	48.5	43.5	41	39	37	34.5	31	27	23	19	15.5
140FS08-3N-506018	18.5	25		63.5	58.5	53.4	49	45.5	42	37	32	26	20	14	
140FS08-3L-506022	22	30		70	64	57.5	53	50.5	47	42.5	37.5	31.5	25	19	13.5
140FS08-3B-506026	26	35		82.5	75	68.5	64	61	58	54.5	49.5	43	36	29.5	22
140FS08-4E-506030	30	40		101	90	82	76.5	72.5	68.5	63	56.5	49.5	41.5	33	24
140FS08-4C-506037	37	50		106	95	88	82	78	73.5	68	61.5	54	45.5	36.5	26.5
140FS08-4D-506037	37	50		106	95	88	82	78	73.5	68	61.5	54	45.5	36.5	26.5
140FS08-5F-506037	37	50		121.5	111	101.5	94	89	84	77.5	69	60	50	39.5	28
140FS08-5G-506037	37	50		121.5	111	101.5	94	89	84	77.5	69	60	50	39.5	28
140FS08-5E-506045	45	60		128.5	118	108	100	95.5	90.5	84.5	77	68	58.5	47.5	35.5
140FS08-6F-506045	45	60		151	135.5	125	116	110.5	104	96.5	86.5	76	64	51.5	38
140FS08-7G-506055	55	75		176	159.5	147	137	130.5	123	114	102	89	75	60	44.5
140FS08-7E-506055	55	75		181	164	151.5	141.5	135.5	128	119	107	94	80	65	49.5
140FS08-8G-506060	60	80		201.5	182	168	156.5	149.5	140.5	130	117	102	85.5	68.5	51
140FS08-9G-506067	67	90		220	200.5	185	171.5	163	153.5	141.5	127	110.5	93	74	54
140FS08-9C-506075	75	100		238	219.5	201.5	187	178.5	169	158	143.5	128	110.5	91	69.5
140FS08-11C-506093	93	125		291	268.5	246.5	228.5	218	206.5	193	175.5	156.5	135	111	85
140FS08-13C-506110	110	150		343.5	317	291	270	258	244	228	207.5	185	159.5	131.5	100.5



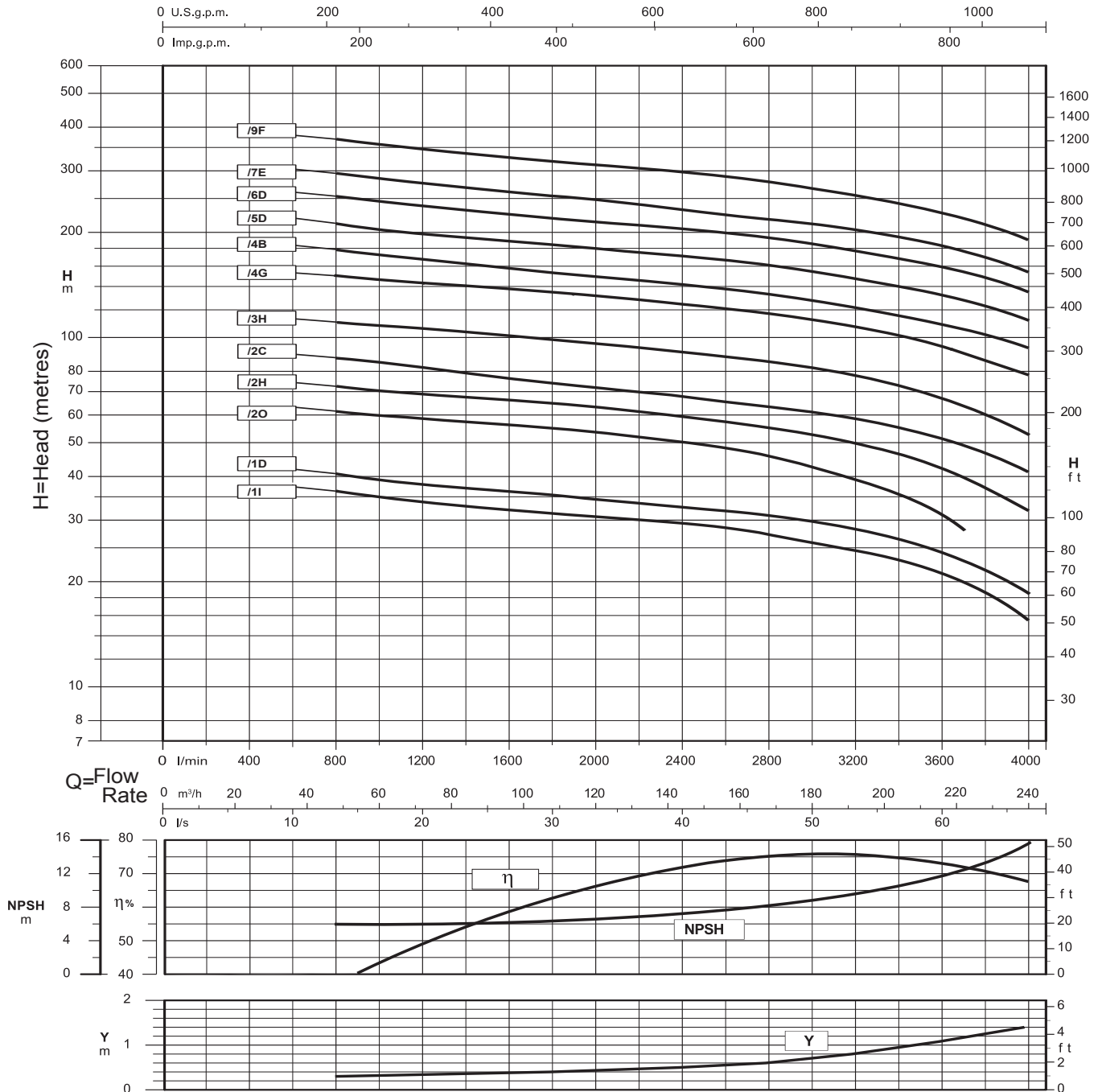
Model	P	M	DN	E _{max}	F	Weight (kg)
FPS-140FS-2M	729	*	125	196	142	36
FPS-140FS-2F	729	*	125	196	142	36
FPS-140FS-2C	729	*	125	196	142	36
FPS-140FS-3N	866	*	125	196	142	46
FPS-140FS-3L	866	*	125	196	142	46
FPS-140FS-3B	866	*	125	196	142	46
FPS-140FS-4E	1043	*	125	196	142	56
FPS-140FS-4C	1043	*	125	198	142	56
FPS-140FS-4D	1043	*	125	198	142	56
FPS-140FS-5F	1200	*	125	198	142	66
FPS-140FS-5G	1200	*	125	198	142	66
FPS-140FS-5E	1200	*	125	198	142	66
FPS-140FS-6F	1357	*	125	198	142	76
FPS-140FS-7G	1514	*	125	198	190	86
FPS-140FS-7E	1514	*	125	198	190	86
FPS-140FS-8G	1671	*	125	198	190	96
FPS-140FS-9G	1828	*	125	200	190	106
FPS-140FS-9C	1828	*	125	200	190	106
FPS-140FS-11C	2142	*	125	202	190	126
FPS-140FS-13C	2456	*	125	202	190	146

Notes:

1. Dimensions in millimetres
2. * "M" Refer to Franklin motor brochure for data

10" STAINLESS STEEL

FPS - 180FS PERFORMANCE CURVE - 50HZ



Notes:

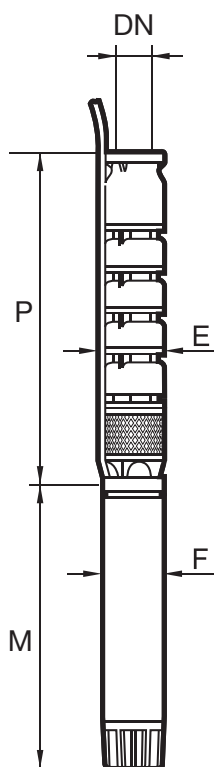
- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

SUBMERSIBLE PUMPS

FPS-180FS

PERFORMANCE AND DIMENSIONAL INFORMATION

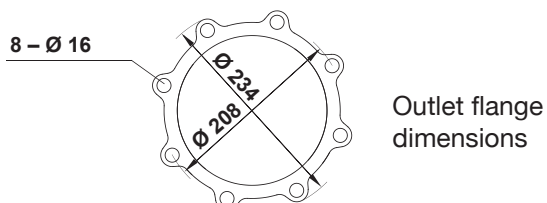
Build No.	kW	HP	l/min	0	800	1200	1600	1900	2200	2500	2800	3000	3200	3400	3700	4000
				m ³ /h	0	48	72	96	114	132	150	168	180	192	204	222
				l/s	0	13	20	36	32	37	42	47	50	53	57	62
FPS-180FS10-1I-506018	18.5	25	Head (m)	43	36	34	32	31	30	29	28	26	25	23	20	16
FPS-180FS10-1D-506022	22	30		50	41	38	36	35	34	33	31	30	28	27	23	19
FPS-180FS10-2O-506030	30	40		73	62	59	56	55	52	50	46	44	40	36	28	
FPS-180FS10-2H-508037	37	50		84	73	69	66	64	62	59	56	53	50	47	40	32
FPS-180FS10-2C-508045	45	60		106	88	82	77	74	70	67	64	62	59	56	49	41
FPS-180FS10-3H-508055	55	75		127	111	106	101	98	95	91	86	83	78	73	64	53
FPS-180FS10-4G-508075	75	100		173	151	144	138	134	129	124	117	113	107	101	91	79
FPS-180FS10-4B-508093	93	125		213	180	168	159	152	146	140	133	129	123	117	107	95
FPS-180FS10-5D-510110	110	150		249	212	200	189	182	176	169	161	156	149	141	128	113
FPS-180FS10-6D-510130	130	175		300	255	240	227	219	211	203	193	187	179	169	154	136
FPS-180FS10-7E-510150	150	200		345	294	277	262	252	243	233	223	215	205	195	176	155
FPS-180FS10-9F-510185	185	250		435	369	347	329	317	305	292	279	269	256	242	219	191



Model	P	M	DN	E _{max}	F	Weight (kg)	Order No.
FPS-180FS10-1I	687	*	150	238	142	47	96510180605
FPS-180FS10-1D	687	*	150	238	142	47	96510180610
FPS-180FS10-2O	867	*	150	238	142	64	96510180612
FPS-180FS10-2H	867	*	150	238	190	64	96510180615
FPS-180FS10-2C	867	*	150	238	190	64	96510180620
FPS-180FS10-3H	1047	*	150	238	190	80	96510180630
FPS-180FS10-4G	1227	*	150	238	190	96	96510180635
FPS-180FS10-4B	1227	*	150	238	190	96	96510180640
FPS-180FS10-5D	1490	*	150	238	237	121	96510180645
FPS-180FS10-6D	1670	*	150	238	237	137	96510180650
FPS-180FS10-7E	1850	*	150	243	237	153	96510180655
FPS-180FS10-9F	2390	*	150	243	237	185	96510180660

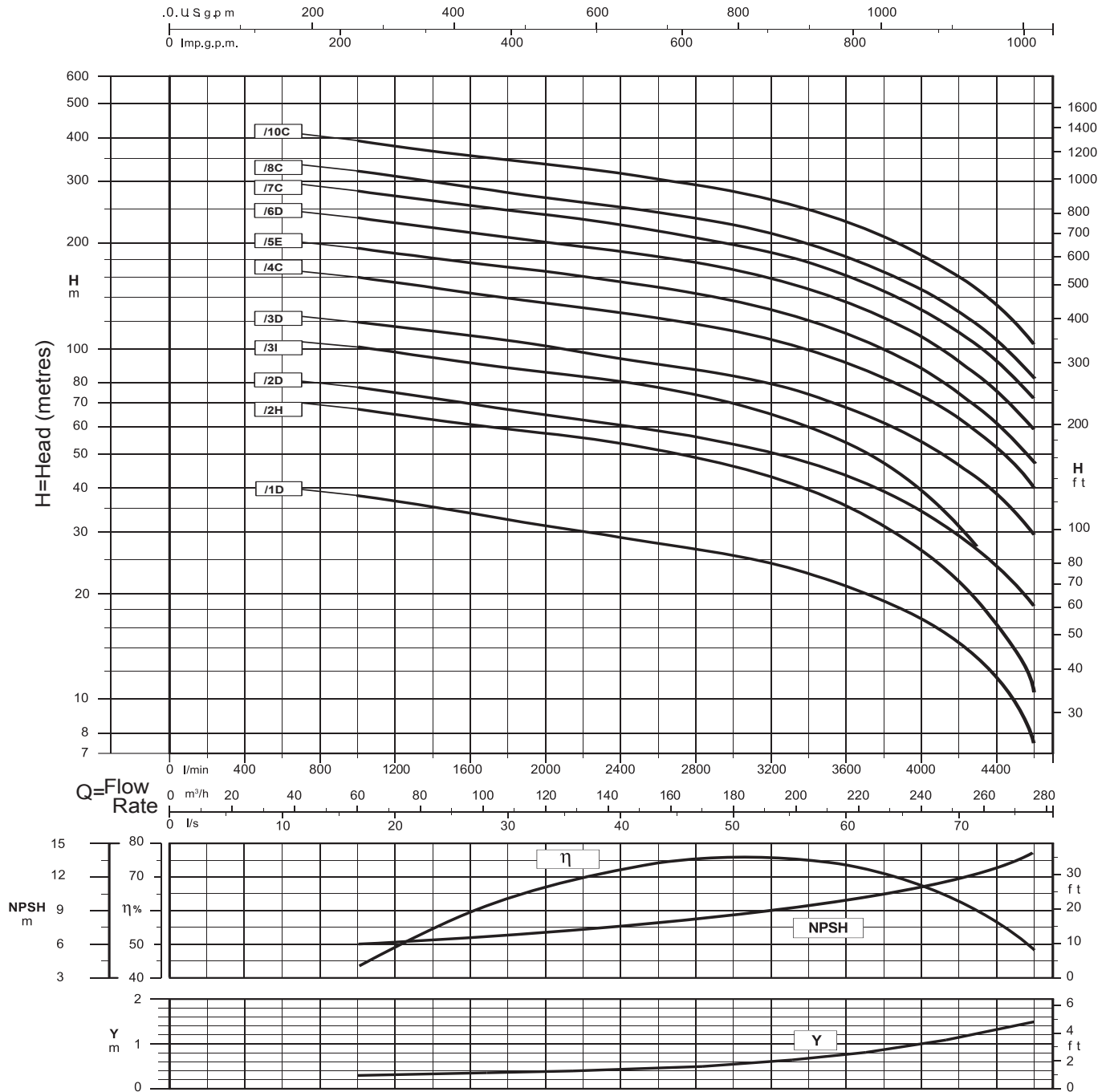
Notes:

1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data



10" STAINLESS STEEL

FPS-200FS PERFORMANCE CURVE – 50HZ



Notes:

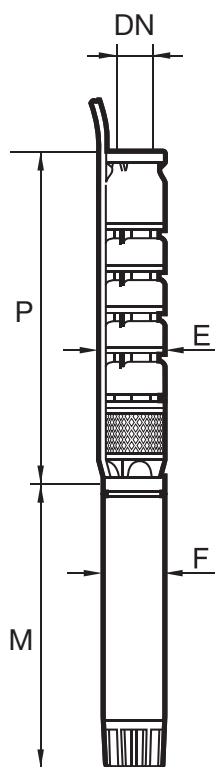
- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

SUBMERSIBLE PUMPS

FPS-200FS

PERFORMANCE AND DIMENSIONAL INFORMATION

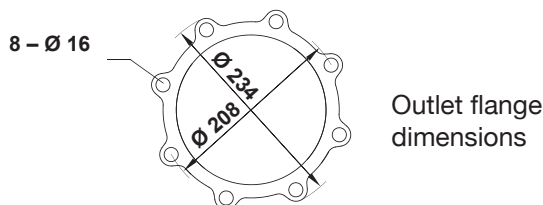
Build No.	kW	HP	Head (m)	l/min	0	1000	1800	2200	2500	2800	3100	3300	3500	3700	4000	4300	4600
				m ³ /h	0	60	108	132	150	168	186	198	210	222	240	258	276
				l/s	0	17	30	37	42	47	52	55	58	62	67	72	77
FPS-200FS10-1D-506018	18.5	25		47	38	33	30	29	27	25	24	22	20	17	13	8	
FPS-200FS10-2H-508030	30	40		82	68	60	56	53	49	45	42	38	34	27	19	11	
FPS-200FS10-2D-508037	37	50		96	78	67	63	60	56	52	49	45	41	34	27	19	
FPS-200FS10-3I-508045	45	60		120	101	89	84	79	74	68	63	57	51	40	28		
FPS-200FS10-3D-508055	55	75		145	119	104	97	93	88	82	77	71	65	55	43	30	
FPS-200FS10-4C-508075	75	100		195	160	140	132	125	118	110	104	97	89	75	58	40	
FPS-200FS10-5E-508093	93	125		238	196	170	160	152	144	134	126	117	106	89	69	47	
FPS-200FS10-6D-510110	110	150		289	238	207	195	185	175	163	154	143	130	109	85	59	
FPS-200FS10-7C-510130	130	175		340	281	244	230	219	207	193	182	169	155	130	102	72	
FPS-200FS10-8C-510150	150	200		389	321	279	263	250	236	221	208	193	177	149	117	83	
FPS-200FS10-10C-510185	185	250		486	393	349	328	312	295	276	260	242	221	186	147	103	



Model	P	M	DN	E _{max}	F	Weight (kg)	Order No.
FPS-200FS10-1D	687	*	150	238	142	47	96510200605
FPS-200FS10-2H	867	*	150	238	142	63	96510200610
FPS-200FS10-2D	867	*	150	238	190	64	96510200615
FPS-200FS10-3I	1047	*	150	238	190	80	96510200620
FPS-200FS10-3D	1047	*	150	238	190	80	96510200625
FPS-200FS10-4C	1227	*	150	238	190	96	96510200630
FPS-200FS10-5E	1490	*	150	238	237	121	96510200635
FPS-200FS10-6D	1670	*	150	243	237	137	96510200640
FPS-200FS10-7C	1850	*	150	243	237	153	96510200645
FPS-200FS10-8C	2030	*	150	243	237	169	96510200650
FPS-200FS10-10C	2390	*	150	243	237	201	96510200655

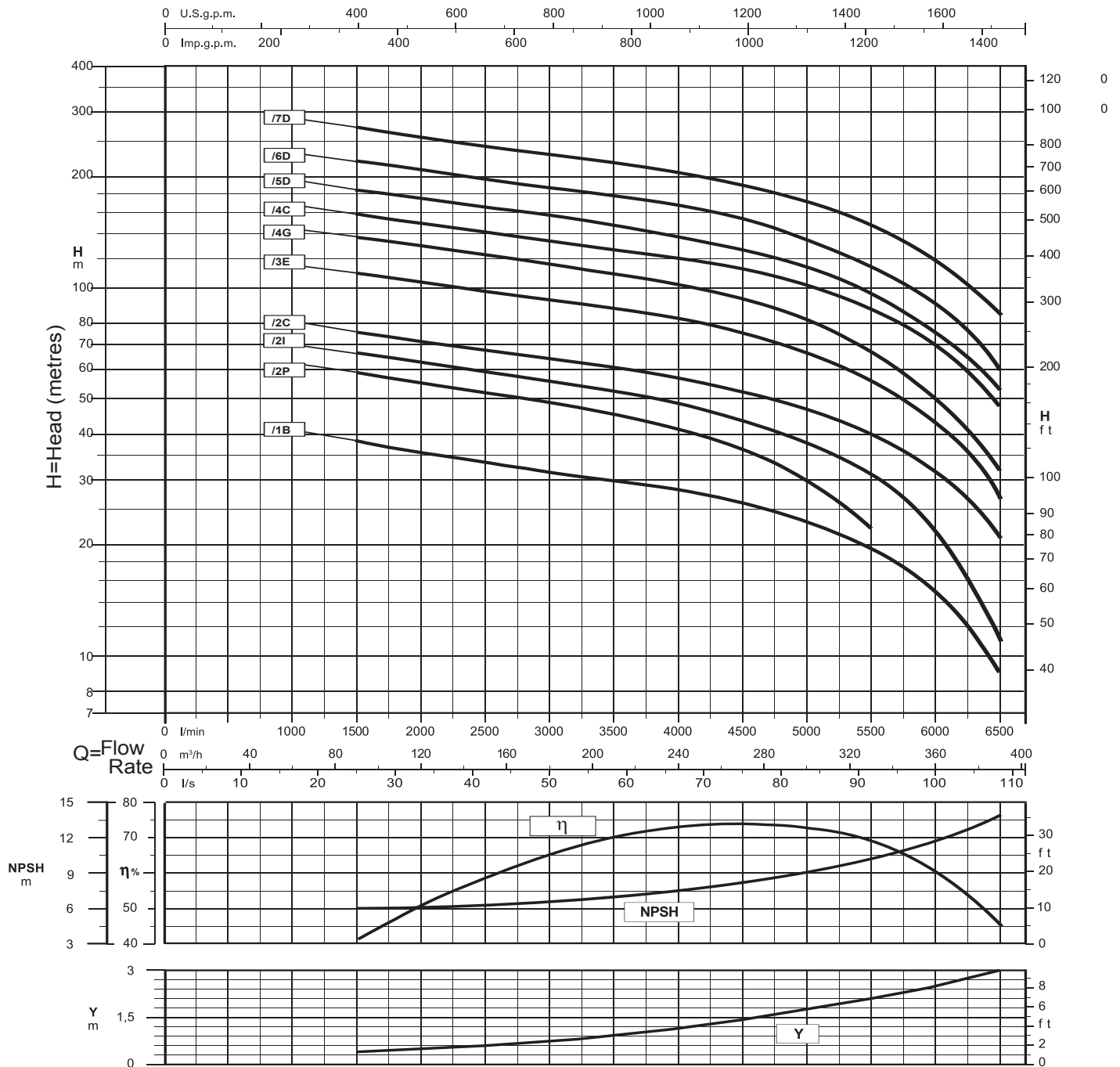
Notes:

1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data



10" STAINLESS STEEL

FPS-260FS PERFORMANCE CURVE – 50HZ



Notes:

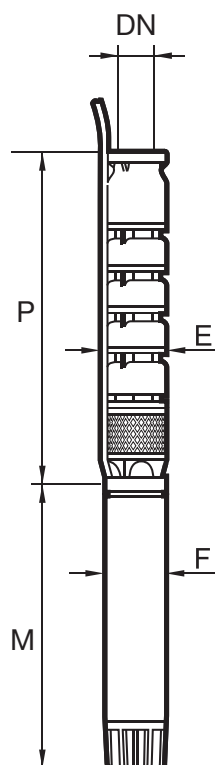
- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

SUBMERSIBLE PUMPS

FPS-260FS

PERFORMANCE AND DIMENSIONAL INFORMATION

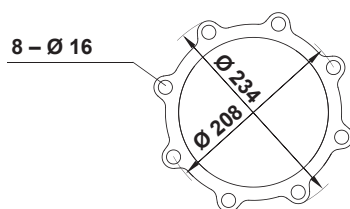
Build No.	kW	HP	Head (m)	l/min	0	1500	2000	2500	3000	3500	4000	4500	4750	5000	5500	6000	6500
				m ³ /h	0	90	120	150	180	210	240	270	285	300	330	360	390
				l/s	0	25	33	42	50	58	67	75	79	83	92	100	108
FPS-260FS10-1B-506030	30	40			52	38	36	34	32	30	28	26	25	23	20	15	9
FPS-260FS10-2P-508037	37	50			76	59	55	52	49	45	41	37	34	30	22		
FPS-260FS10-2I-508045	45	60			85	67	63	59	56	53	49	44	41	38	31	22	11
FPS-260FS10-2C-508055	55	75			101	77	72	68	64	61	57	53	50	47	40	32	21
FPS-260FS10-3E-508075	75	100			135	109	103	98	93	88	83	76	72	67	57	43	27
FPS-260FS10-4G-508093	93	125			171	137	130	123	117	110	103	93	88	82	67	50	32
FPS-260FS10-4C-510110	110	150			204	160	150	142	135	128	121	112	107	101	88	70	48
FPS-260FS10-5D-510130	130	175			228	184	174	166	157	149	140	128	122	114	97	75	53
FPS-260FS10-6D-510150	150	200			274	221	209	199	189	179	168	154	146	137	116	90	60
FPS-260FS10-7D-510185	185	250			349	273	257	243	230	218	205	190	181	171	148	119	84



Model	P	M	DN	E _{max}	F	Weight (kg)	Order No.
FPS-260FS10-1B	687	*	150	247	142	47	96510260605
FPS-260FS10-2P	867	*	150	247	190	64	96510260610
FPS-260FS10-2I	867	*	150	247	190	64	96510260615
FPS-260FS10-2C	867	*	150	247	190	64	96510260620
FPS-260FS10-3E	1047	*	150	249	190	80	96510260625
FPS-260FS10-4G	1310	*	150	249	190	105	96510260630
FPS-260FS10-4C	1310	*	150	249	237	105	96510260635
FPS-260FS10-5D	1490	*	150	249	237	121	96510260640
FPS-260FS10-6D	1670	*	150	249	237	137	96510260645
FPS-260FS10-7D	1850	*	150	249	237	153	96510260650

Notes:

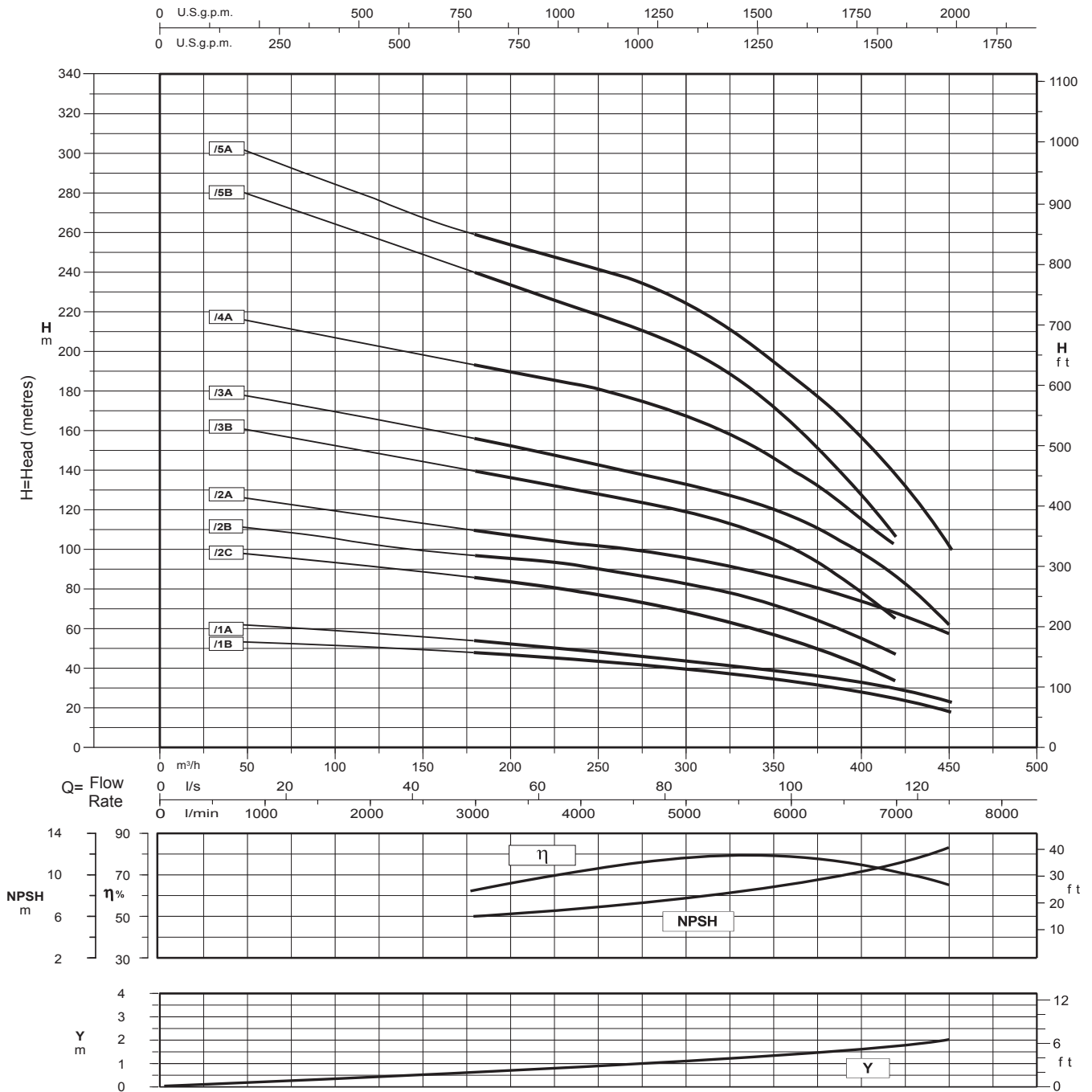
1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data



Outlet flange dimensions

12" STAINLESS STEEL

FPS-300FS PERFORMANCE CURVE – 50HZ



Notes:

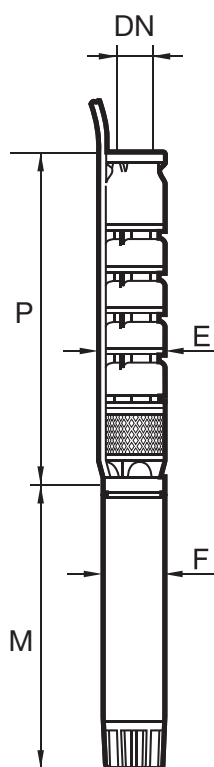
- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

SUBMERSIBLE PUMPS

FPS-300FS

PERFORMANCE AND DIMENSIONAL INFORMATION

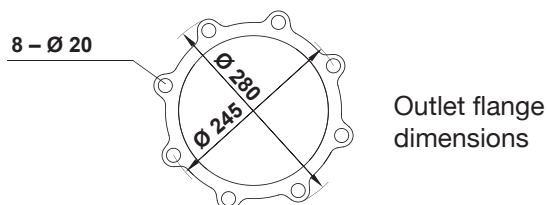
Build No.	kW	HP	l/min	0	3000	3500	4000	4500	4750	5000	5250	5500	6000	6500	7000	7500
			m³/h	0	180	210	240	270	285	300	315	330	360	390	420	450
			l/s	0	50	58	67	75	79	83	88	92	100	108	117	125
FPS-300FS12-1B-508045	45	60	Head (m)	56	46	45	43	42	41	40	38	37	34	30	25	20
FPS-300FS12-1A-508055	55	75		63	51	50	48	47	46	45	44	43	39	36	31	26
FPS-300FS12-2C-508075	75	100		101	85	83	79	75	73	70	67	63	54	44	33	
FPS-300FS12-2B-508093	93	125		118	98	95	92	89	87	84	81	78	69	59	47	
FPS-300FS12-2A-510110	110	150		131	108	105	103	100	98	97	95	92	86	78	69	58
FPS-300FS12-3B-510130	130	175		169	139	134	130	125	122	120	117	112	102	87	65	
FPS-300FS12-3A-510150	150	200		185	154	149	144	140	137	134	131	127	118	105	87	62
FPS-300FS12-4A-510185	185	250		225	193	188	183	176	172	167	162	156	140	123	102	
FPS-300FS12-5B-512220	220	300		296	238	230	222	214	208	202	193	184	164	138	105	
FPS-300FS12-5A-512250	250	340		320	259	252	245	236	231	225	218	208	188	167	138	100



Model	P	M	DN	E _{max}	F	Weight (kg)	Order No.
FPS-300FS12-1B	876	*	175	298	190	99	96512300605
FPS-300FS12-1A	876	*	175	298	190	99	96512300610
FPS-300FS12-2C	1076	*	175	298	190	129	96512300615
FPS-300FS12-2B	1076	*	175	298	190	129	96512300620
FPS-300FS12-2A	1076	*	175	298	237	129	96512300625
FPS-300FS12-3B	1276	*	175	298	237	158	96512300630
FPS-300FS12-3A	1276	*	175	298	237	158	96512300635
FPS-300FS12-4A	1476	*	175	298	237	188	96512300640
FPS-300FS12-5B	1676	*	175	298	286	217	96512300645
FPS-300FS12-5A	1676	*	175	298	286	217	96512300650

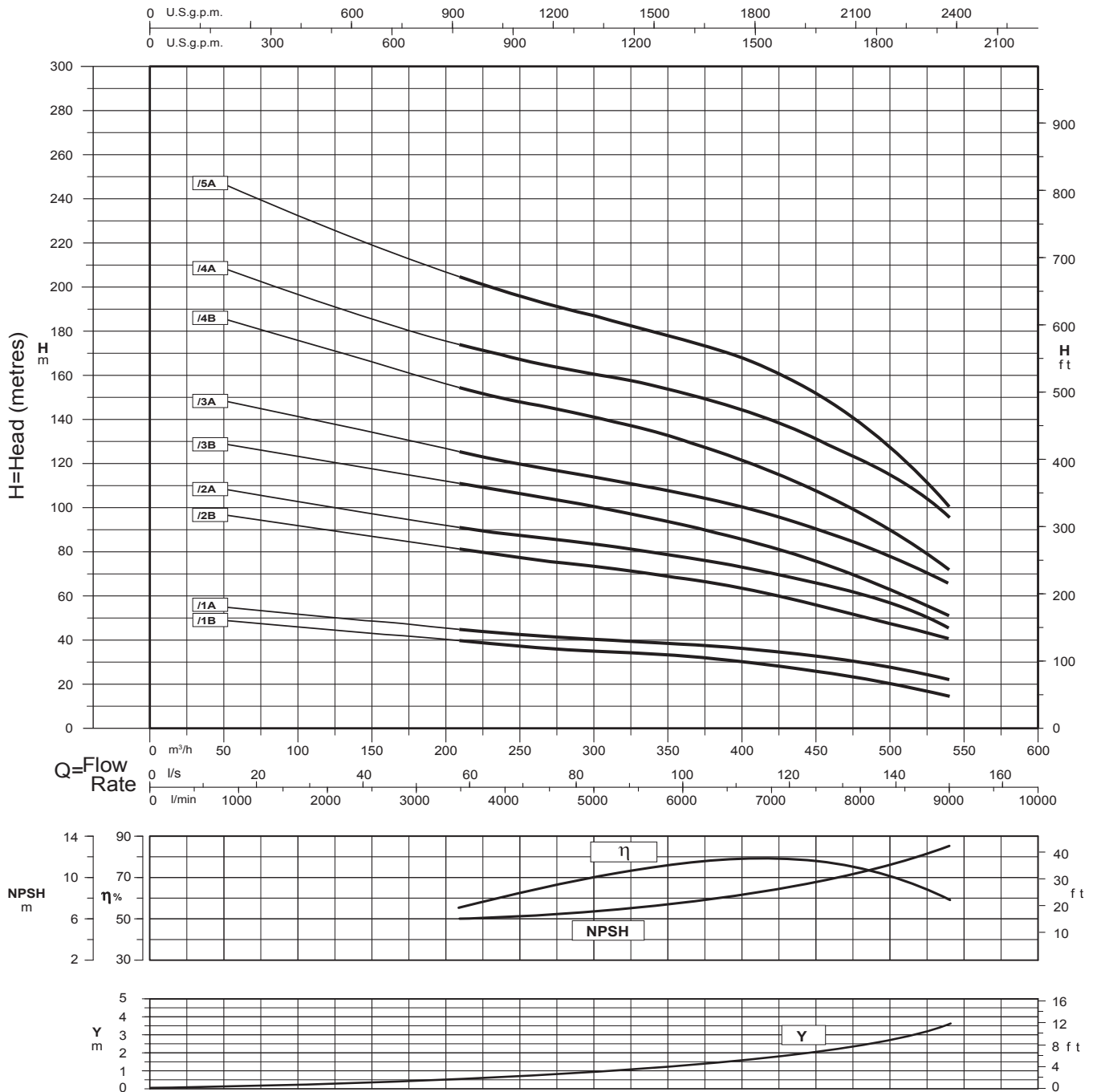
Notes:

1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data



12" STAINLESS STEEL

FPS-400FS PERFORMANCE CURVE – 50HZ



Notes:

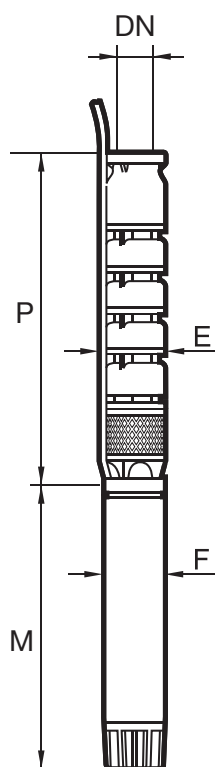
- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

SUBMERSIBLE PUMPS

FPS-400FS

PERFORMANCE AND DIMENSIONAL INFORMATION

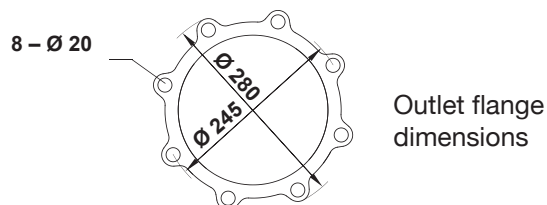
Build No.	kW	HP	Head (m)	l/min	0	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000
				m ³ /h	0	210	240	270	300	330	360	390	420	450	480	510	540
				l/s	0	58	67	75	83	92	100	108	117	125	133	142	150
FPS-400FS12-1B-508045	45	60	Head (m)	52	40	38	37	35	34	33	31	29	26	23	19	14	
FPS-400FS12-1A-508055	55	75		59	45	43	42	40	39	38	37	35	33	30	27	22	
FPS-400FS12-2B-508093	93	125		102	81	78	76	73	71	68	65	61	56	52	46	41	
FPS-400FS12-2A-510110	110	150		115	91	88	86	83	81	78	75	71	66	61	54	46	
FPS-400FS12-3B-510130	130	175		134	111	108	104	101	97	93	88	82	76	68	60	51	
FPS-400FS12-3A-510150	150	200		157	124	121	117	114	110	107	103	97	91	84	76	67	
FPS-400FS12-4B-510185	185	250		196	154	150	145	141	136	130	124	117	108	97	86	72	
FPS-400FS12-4A-512220	220	300		221	174	169	165	161	157	152	147	140	131	122	111	96	
FPS-400FS12-5A-512250	250	340		261	204	198	193	187	182	177	171	162	152	139	122	100	



Model	P	M	DN	E max	F	Weight (kg)	Order No.
FPS-400FS12-1B	876	*	175	298	190	96	96512400605
FPS-400FS12-1A	876	*	175	298	190	96	96512400610
FPS-400FS12-2B	1076	*	175	298	190	123	96512400615
FPS-400FS12-2A	1076	*	175	298	237	123	96512400620
FPS-400FS12-3B	1276	*	175	298	237	149	96512400625
FPS-400FS12-3A	1276	*	175	298	237	149	96512400630
FPS-400FS12-4B	1476	*	175	298	237	176	96512400635
FPS-400FS12-4A	1476	*	175	298	286	176	96512400640
FPS-400FS12-5A	1676	*	175	298	286	203	96512400645

Notes:

1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data





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FPS *SR* series

6" 50 Hz Stainless Steel Submersible Pumps

6-Inch: 14, 19, 30, 46 & 65 m³/h flow ratings

***Advanced technology in
performance and reliability.***



Franklin Electric

Stainless Steel Submersible Pumps

FPS SR-Series

The FPS SR Series pumps are specifically designed for municipal and industrial applications. These pumps contain stainless steel impellers, a stainless steel shell to maintain alignment, and heavy investment cast stainless steel suction and discharge brackets. Built to operate efficiently with Franklin Electric submersible motors, the FPS SR Series stainless steel pumps are equipped to handle the most demanding conditions.

Specifications

6" SR-Series Models

Capacity	Up to 85 m ³ /h at 50 Hz
Heads	70 bar (700 m) at 50 Hz
Efficiency	Up to 80%
Discharge Outlet	3" BSP SR14 - 65-6 / 4" BSP 65-9 and higher
Required Motors	From 2.2 kW to 55 kW / 4", 6" and 8" NEMA standard
Standard Material	316 SS (304 SS Available)

Features

■ Premier manufacturing technology

The innovative mechanical design combined with the use of an advanced stainless steel manufacturing process has resulted in a state-of-the-art submersible pump line.

■ Guaranteed performances

The SR Series pumps feature fabricated stainless steel impellers and diffusers for corrosion resistance with a PTFE floating neck ring, ceramic guide journal sleeve and NBR fluted bearings to ensure durability against wear. All of these materials combine to promote product reliability and long lasting constant performance.

■ Heavy duty structure

An external stainless steel shell improves stiffness and assures permanent alignment of all the components. In addition, a wafer style check valve is built into the discharge head to allow for horizontal operation, with optional check valve spring. The SR Series pumps are built to last in the most complex and severe applications.

■ Stainless steel

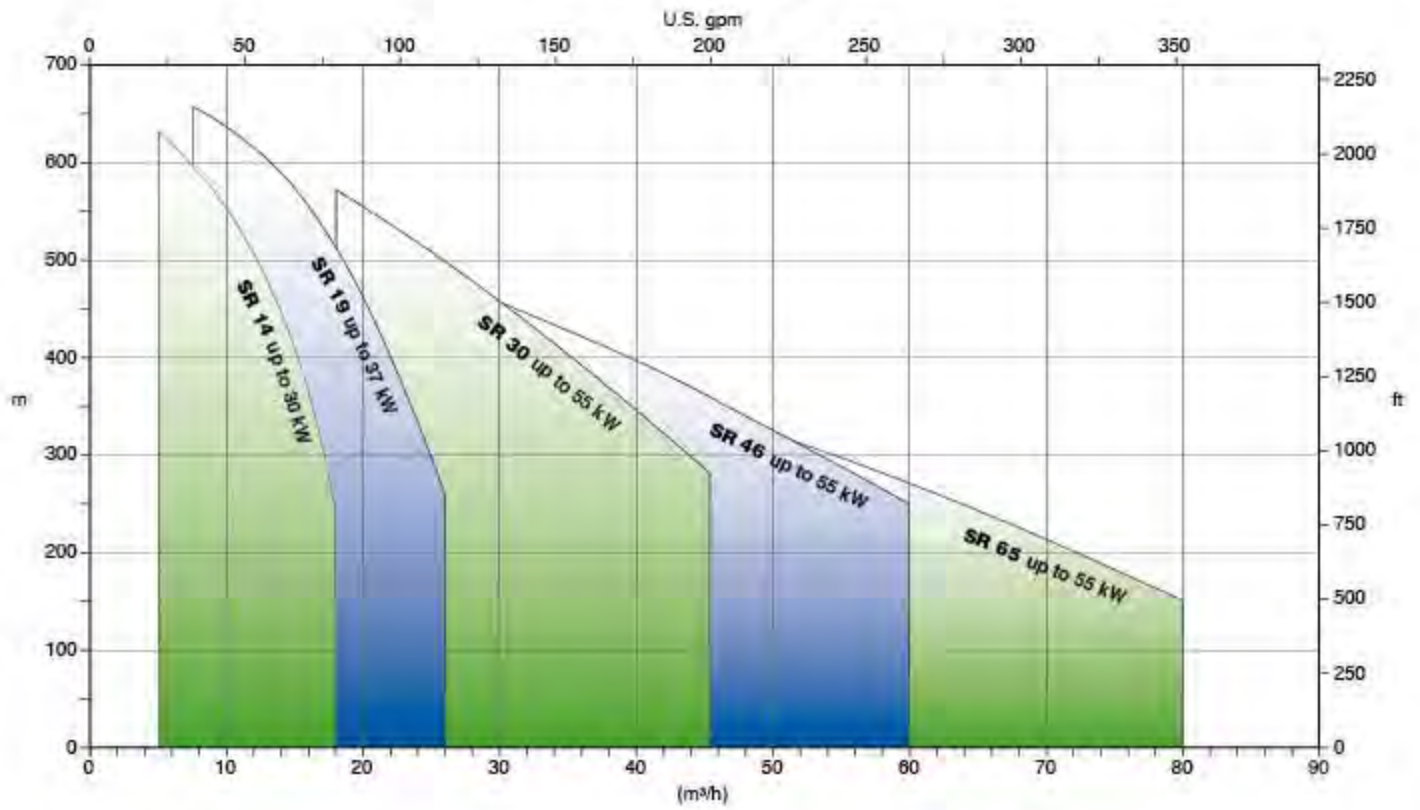
All components are made of stainless steel for durability and robustness to increase run time and provide trouble-free operations.

■ High efficiency and energy saving

Innovative hydraulic designs such as fully welding the three dimensional twisted blades of the impellers and diffusers provide efficiencies up to 80%. The increased efficiency coupled with the robust design and materials make the SR Series pumps the likely choice for all pumping applications.

6" Submersible Pumps

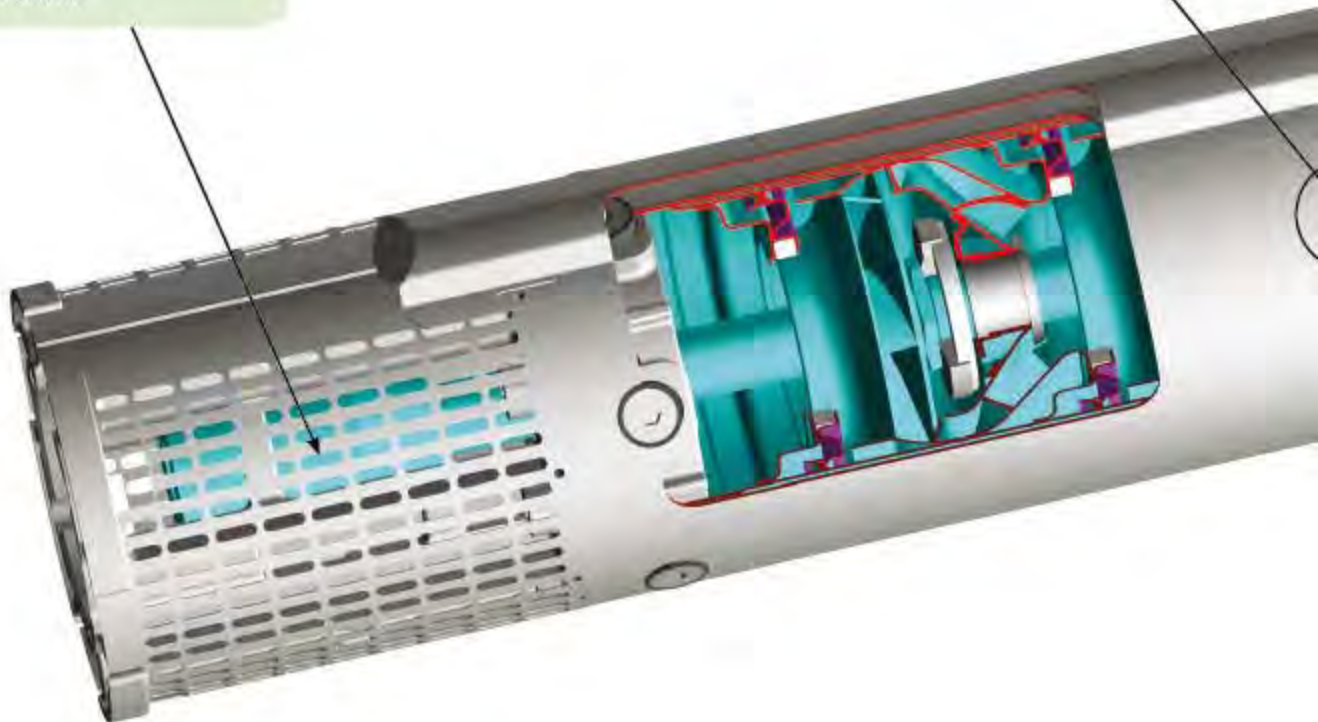
6" - 50 Hz



FPS
SR series

Stainless steel external shell improves stiffness and assures permanent alignment of the components

Motor adapter and coupling are in compliance to NEMA standards



Radial Flow Ratings

- SR-14
- SR-19
- SR-30

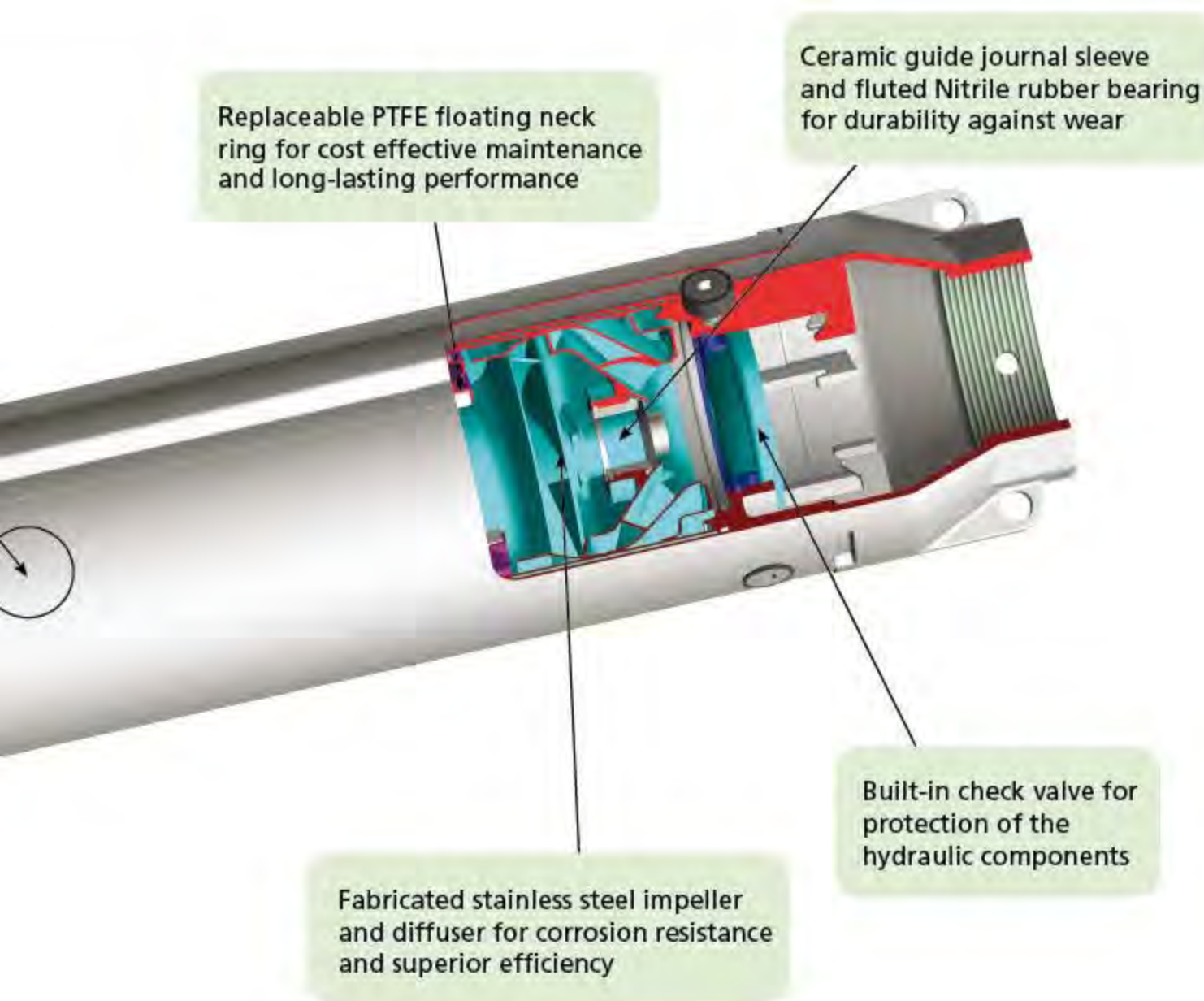


Mixed Flow Ratings

- SR-46
- SR-65



Fully welded and diffuser cone taper



Applications

These heavy-duty 6-inch submersible pumps are engineered for for a wide variety of applications including:

- Municipal water works
- Water distribution and pressure boosting
- Irrigation and sprinkler systems
- Water treatment plants, filtration and reverse osmosis
- Industrial cooling and processing
- Mining industry, drainage and dewatering
- General industry
- Fountains

Impellers
with split
lock collets

FPS
SR series

50 Hz 6" Stainless Steel Pumps

14-65 m³/h



FPS

SR series

Designed for industrial and agricultural applications, the SR Series submersible pump utilizes high grade stainless steel materials for the most demanding applications.

- 6" to 65 m³/h
- 8" to 97 m³/h

Features:

- Stainless steel impellers and diffusers to resist corrosion.
- Heavy duty stainless steel shell assures permanent alignment of all components to increase longevity and enables higher pressures than strap designs.
- PTFE floating wear ring, ceramic bearing journal and Nitrile rubber fluted bearing ensure durability against wear for long-lasting performance and reliability.
- Suited to operate in horizontal position.
- Built-in check valve to protect the pump against water hammer.
- Energy efficient hydraulic design for cost effective operation.
- Easy to install and dismantle for service in the field if necessary.

Model Number Explanation

Example: 65SR15S65-0964

65 = m³/h
SR = Series
15 = kW
S = 316 SS (F=304SS/S)
6 = 6" Pump
5 = 50 Hz
09 = Number of Stages
6 = 6" Motor
4 = 4" Discharge

50 Hz 6" Stainless Steel

14 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-14	FPS-14-5	2.2	5	4" (1)	14SR2S65-0543	97161014005	455	12.05	3
	FPS-14-6	3.7	6	4" (1)	14SR4S65-0663	97161014006	482.5	13.55	3
	FPS-14-8	3.7	8	4" (1)	14SR4S65-0863	97161014008	542.5	14.55	3
	FPS-14-11	5.5	11	4" or 6"	14SR5S65-1163	97161014011	632.5	16.55	3
	FPS-14-13	5.5	13	4" or 6"	14SR5S65-1363	97161014013	692.5	18.05	3
	FPS-14-15	7.5	15	4" or 6"	14SR7S65-1563	97161014015	752.5	19.75	3
	FPS-14-17	7.5	17	4" or 6"	14SR7S65-1763	97161014017	812.5	21.05	3
	FPS-14-20	9.3	20	6"	14SR9S65-2063	97161014020	902.5	23.55	3
	FPS-14-22	9.3	22	6"	14SR9S65-2263	97161014022	962.5	24.55	3
	FPS-14-24	11	24	6"	14SR11S65-2463	97161014024	1002.5	26.05	3
	FPS-14-26	11	26	6"	14SR11S65-2663	97161014026	1082.5	27.55	3

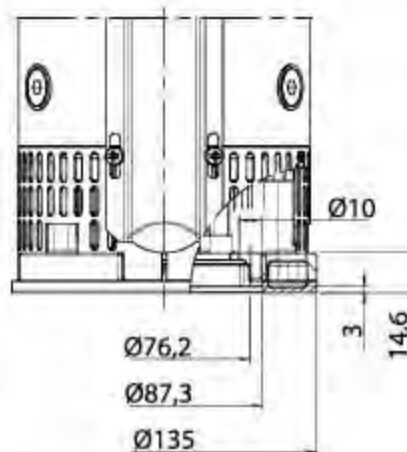
* Pumps marked as 4" or 6" motor come standard for 6" motors. A 4" motor bracket adapter is required for use on a 4" motor. (Part no. 305 473 001)

(1) Pump includes 4" motor bracket adapter.

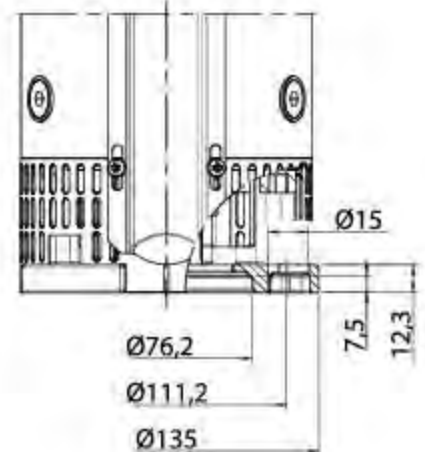
Dimensions



4" Motor Adapter



6" Motor Adapter



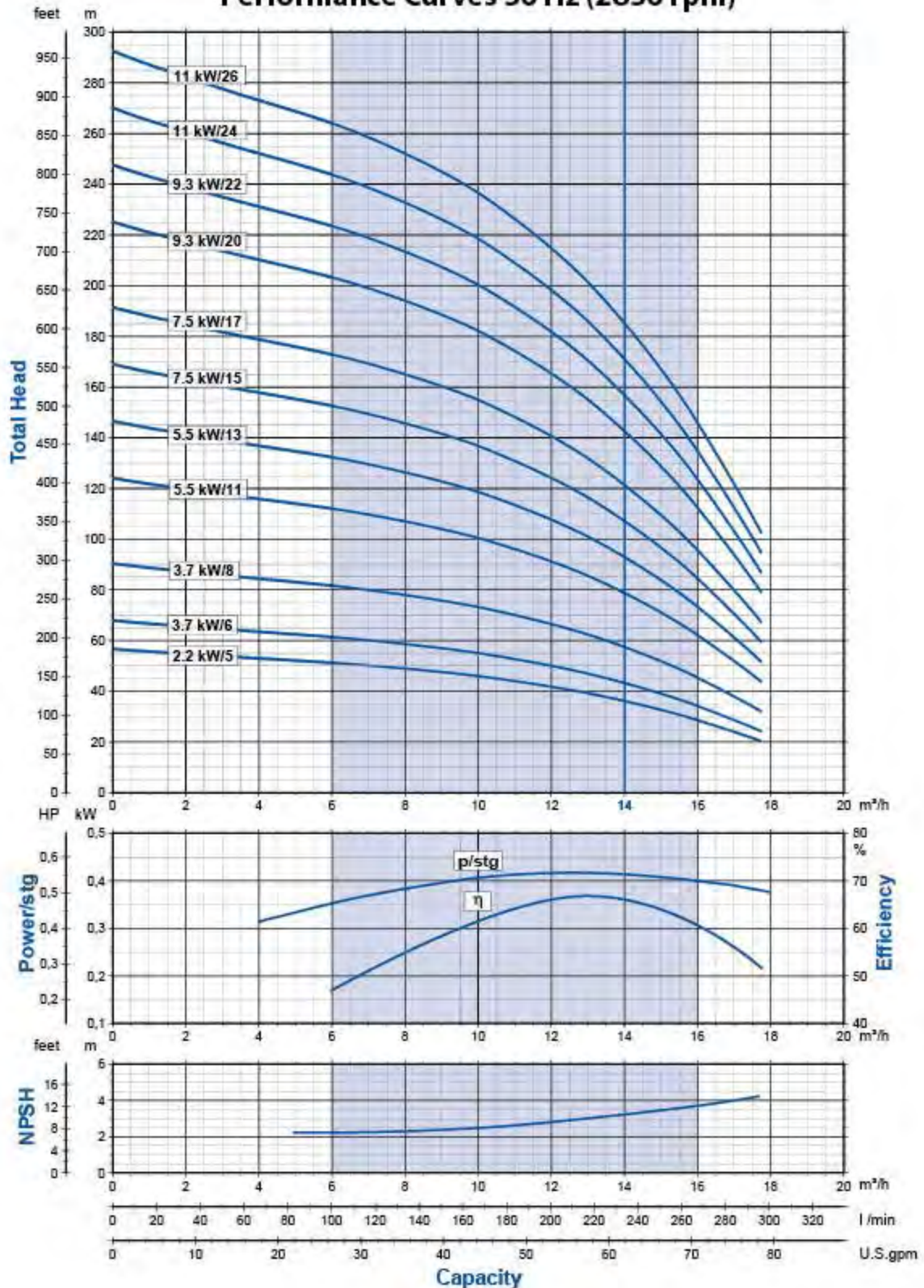
	Diameter with 1 cable cover (mm)	Diameter with 2 cable cover (mm)
Pump 6" with motor 4"	142.5	-
Pump 6" with motor 6"	143	144.5

*Note: All units are in millimeters

50 Hz 6" Stainless Steel

14 m³/h Performance Curve

Performance Curves 50 Hz (2850 rpm)

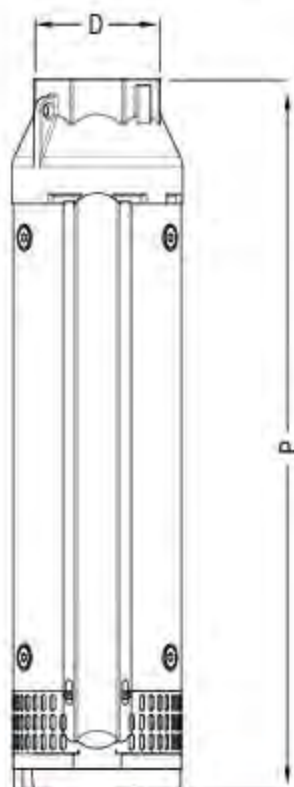


50 Hz 6" Stainless Steel

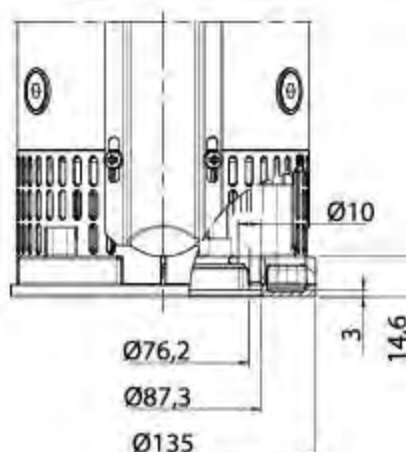
14 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-14	FPS-14-29	15	29	6"	14SR15865-2963	97161014029	1172.5	31.05	3
	FPS-14-32	15	32	6"	14SR15865-3263	97161014032	1262	32.05	3
	FPS-14-36	15	36	6"	14SR15865-3663	97161014036	1382	35.05	3
	FPS-14-40	18.5	40	6"	14SR18865-4063	97161014040	1502	39.05	3
	FPS-14-44	18.5	44	6"	14SR18865-4463	97161014044	1622	41.05	3
	FPS-14-48	22	48	6"	14SR22865-4863	97161014048	1741.5	44.55	3

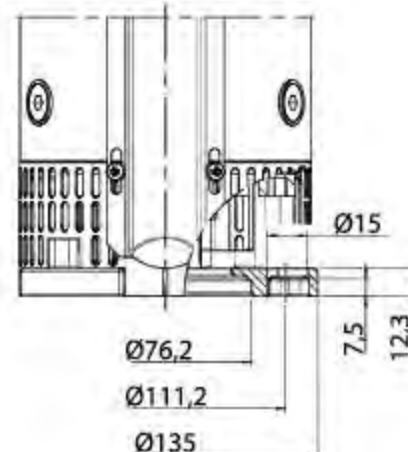
Dimensions



4" Motor Adapter



6" Motor Adapter



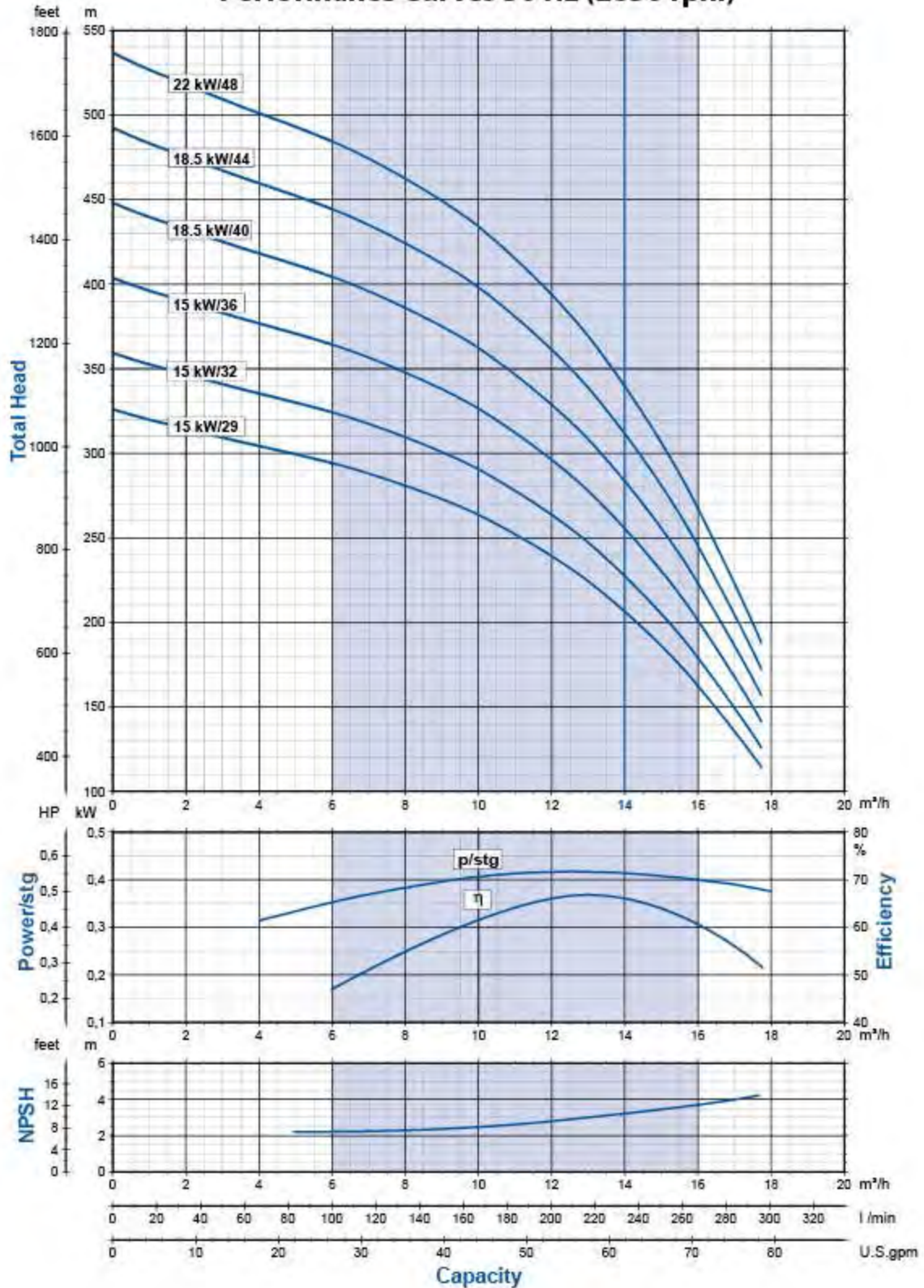
	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 4"	-	-
Pump 6" with motor 6"	143	144.5

*Note: All units are in millimeters

50 Hz 6" Stainless Steel

14 m³/h Performance Curve

Performance Curves 50 Hz (2850 rpm)

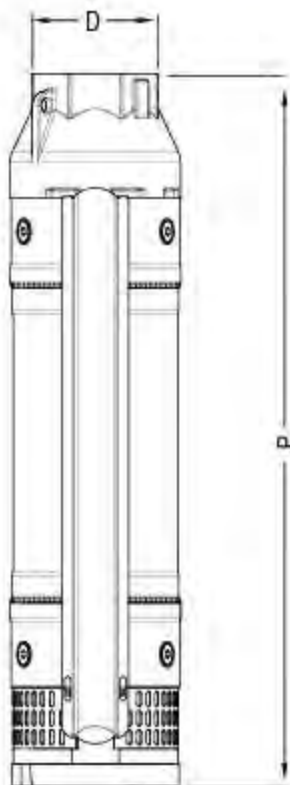


50 Hz 6" Stainless Steel

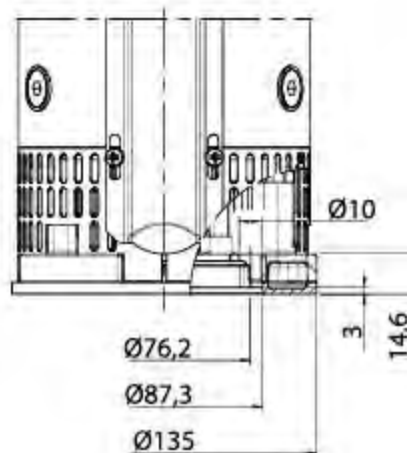
14 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-14	FPS-14-42	22	52	8"	14SR22865-5263	97161014052	1862	48.55	3
	FPS-14-57	30	57	8"	14SR30865-5783	97161014057	2012	52.75	3
	FPS-14-61	30	61	8"	14SR30865-6163	97161014061	2131,5	56.55	3

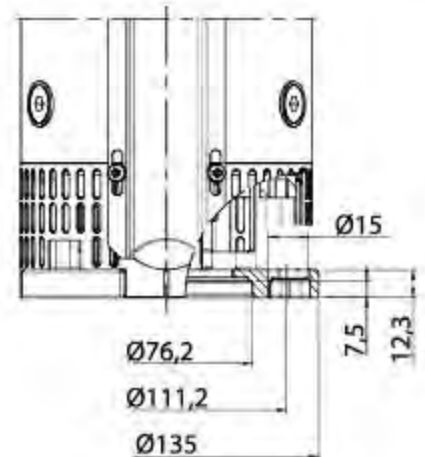
Dimensions



4" Motor Adapter



6" Motor Adapter

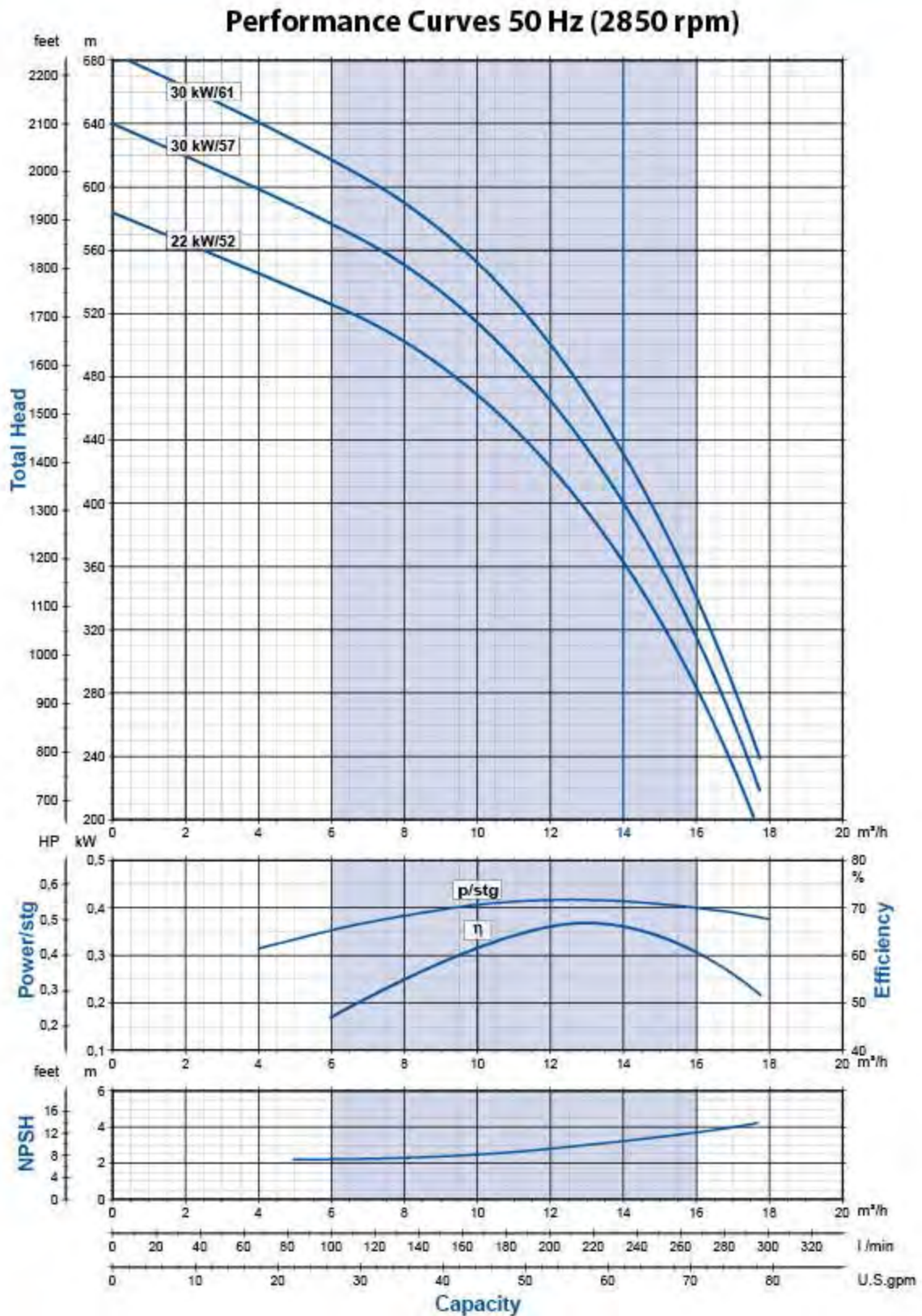


	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 4"	-	-
Pump 6" with motor 6"	145	146.5

*Note: All units are in millimeters

50 Hz 6" Stainless Steel

14 m³/h Performance Curve



50 Hz 6" Stainless Steel

19 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-19	FPS-19-6	3.7	6	4" (1)	19SR4S65-0663	97161019006	536.5	13.05	3
	FPS-19-9	5.5	9	4" or 6"	19SR5S65-0963	97161019009	649	15.55	3
	FPS-19-12	7.5	12	4" or 6"	19SR7S65-1263	97161019012	761.5	18.05	3
	FPS-19-15	9.3	15	6"	19SR9S65-1563	97161019015	874	20.55	3
	FPS-19-18	11	18	6"	19SR11S65-1863	97161019018	986.5	23.05	3
	FPS-19-21	15	21	6"	19SR15S65-2163	97161019021	1099	25.55	3
	FPS-19-24	15	24	6"	19SR15S65-2463	97161019024	1211.5	28.05	3

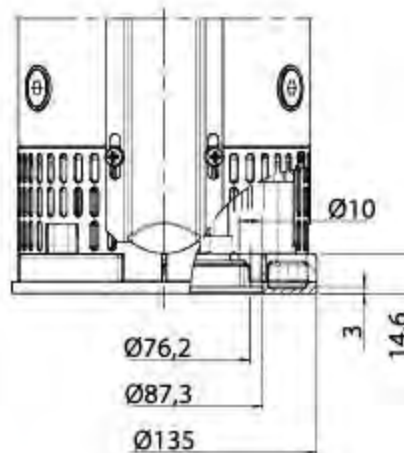
* Pumps marked as 4" or 6" motor come standard for 6" motors. A 4" motor bracket adapter is required for use on a 4" motor. (Part no. 305 473 001)

(1) Pump includes 4" motor bracket adapter.

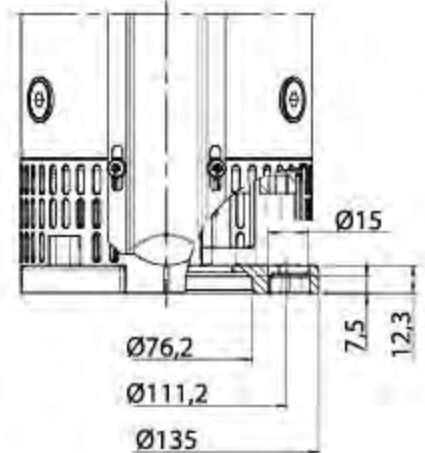
Dimensions



4" Motor Adapter



6" Motor Adapter

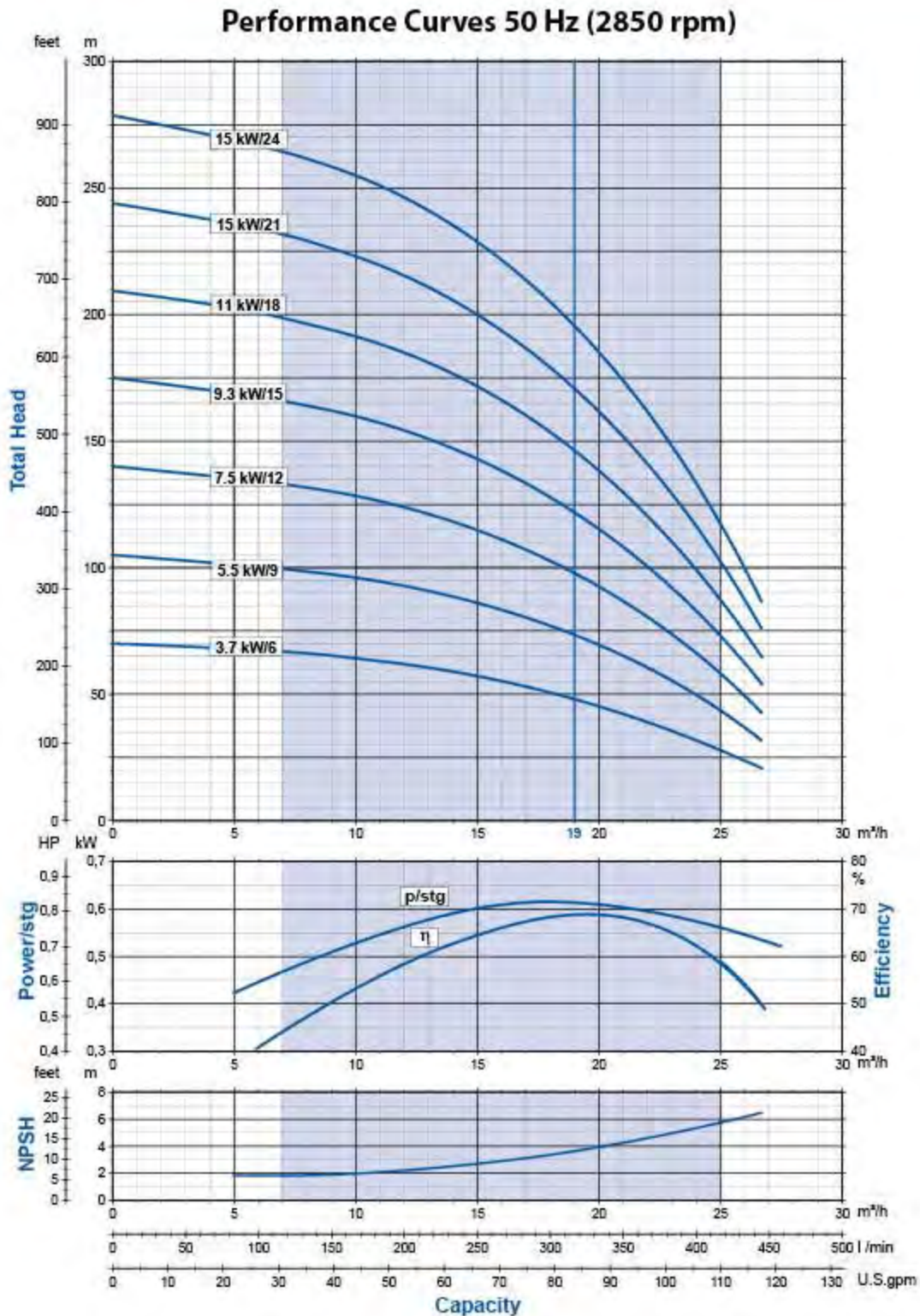


	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 4"	142.5	-
Pump 6" with motor 6"	143	144.5

*Note: All units are in millimeters

50 Hz 6" Stainless Steel

19 m³/h Performance Curve

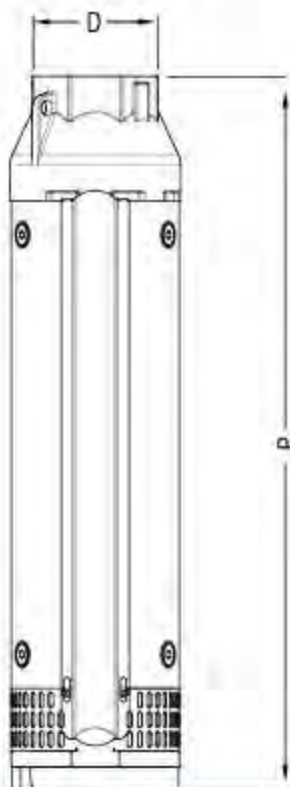


50 Hz 6" Stainless Steel

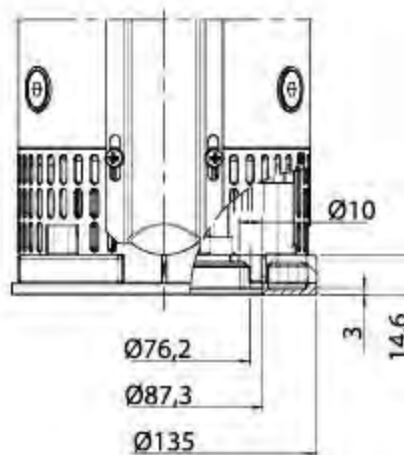
19 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-19	FPS-19-27	18.5	27	6"	19SR18S65-2763	97161019027	1324	31.55	3
	FPS-19-30	18.5	30	6"	19SR18S65-3063	97161019030	1436	33.05	3
	FPS-19-33	22	33	6"	19SR22S65-3363	97161019033	1548.5	35.55	3
	FPS-19-36	22	36	6"	19SR22S65-3663	97161019036	1661	37.55	3
	FPS-19-39	30	39	6"	19SR30S65-3963	97161019039	1773.5	40.55	3
	FPS-19-42	30	42	6"	19SR30S65-4263	97161019042	1886	43.55	3
	FPS-19-46	30	46	6"	19SR30S65-4663	97161019046	2035.5	47.55	3

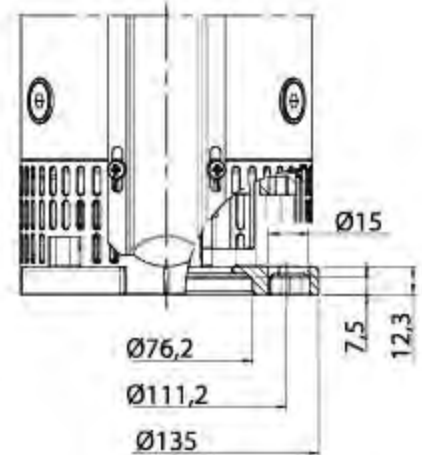
Dimensions



4" Motor Adapter



6" Motor Adapter

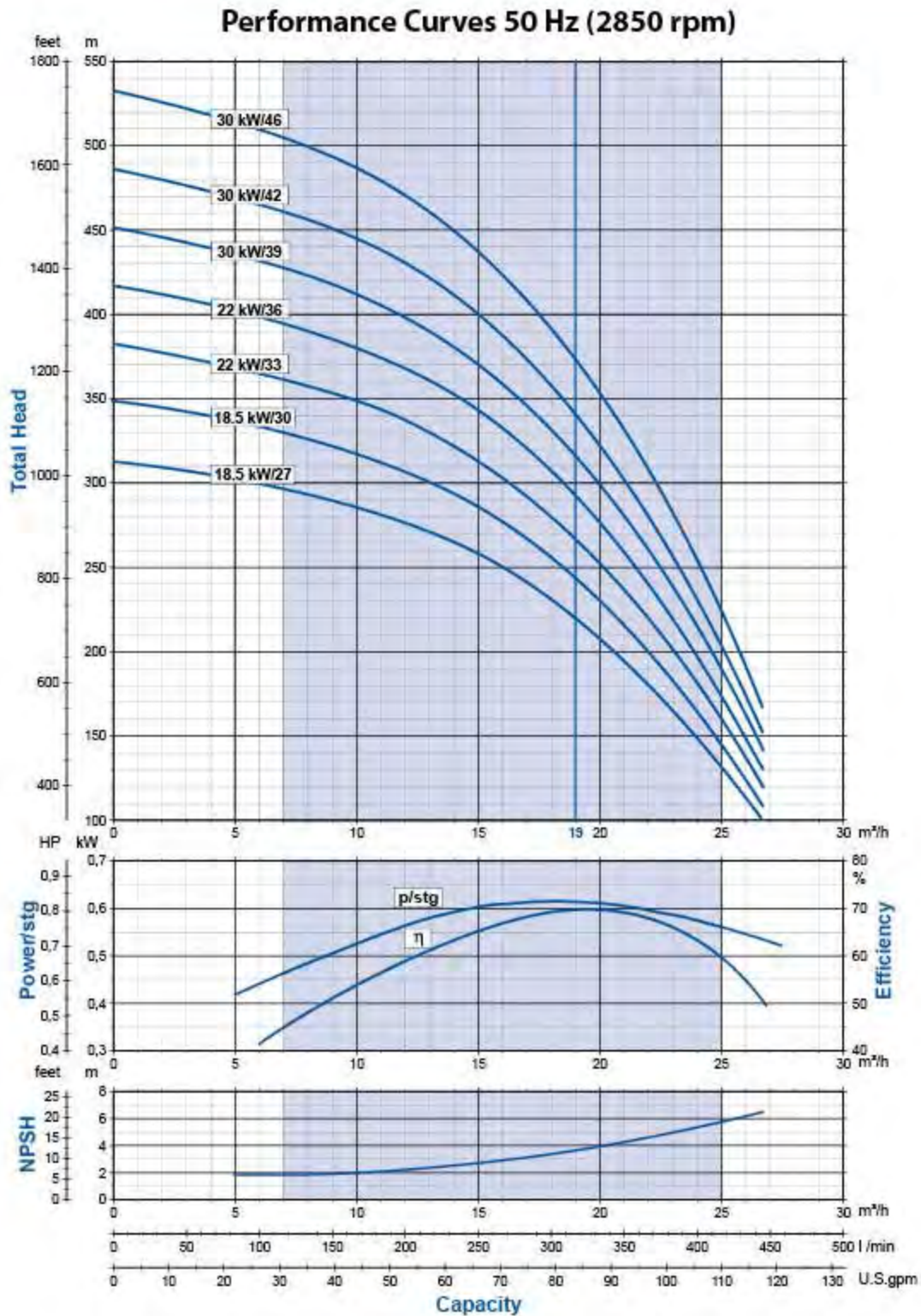


	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 4"	-	-
Pump 6" with motor 6"	143	144.5

*Note: All units are in millimeters

50 Hz 6" Stainless Steel

19 m³/h Performance Curve

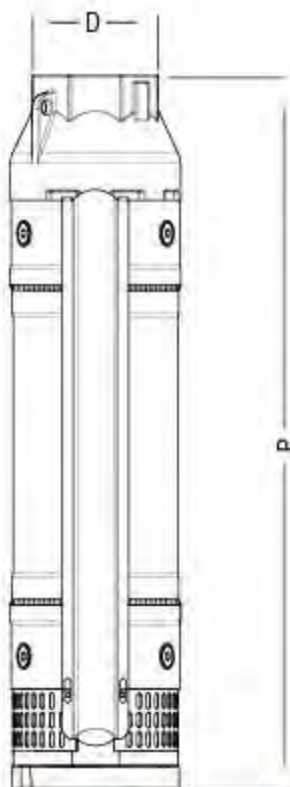


50 Hz 6" Stainless Steel

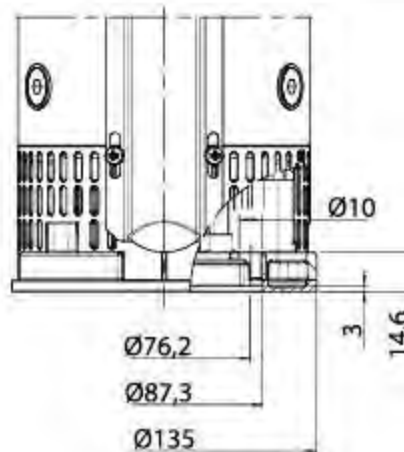
19 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-19	FPS-19-49	30	49	8"	19SR30S65-4963	97161019049	2148	50.55	3
	FPS-19-53	37	53	8"	19SR37S65-5363	97161019053	2298	54.55	3
	FPS-19-57	37	57	8"	19SR37S65-5763	97161019057	2448	58.55	3
	FPS-19-60	37	60	8"	19SR37S65-6063	97161019060	2580.5	61.55	3

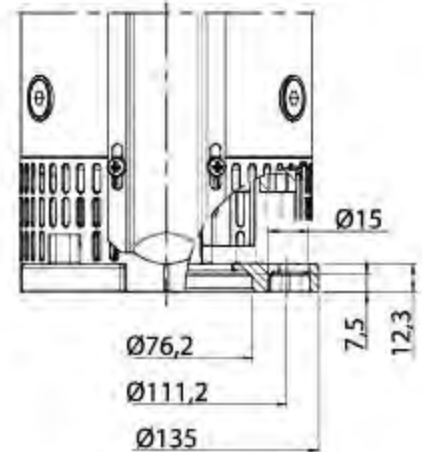
Dimensions



4" Motor Adapter



6" Motor Adapter

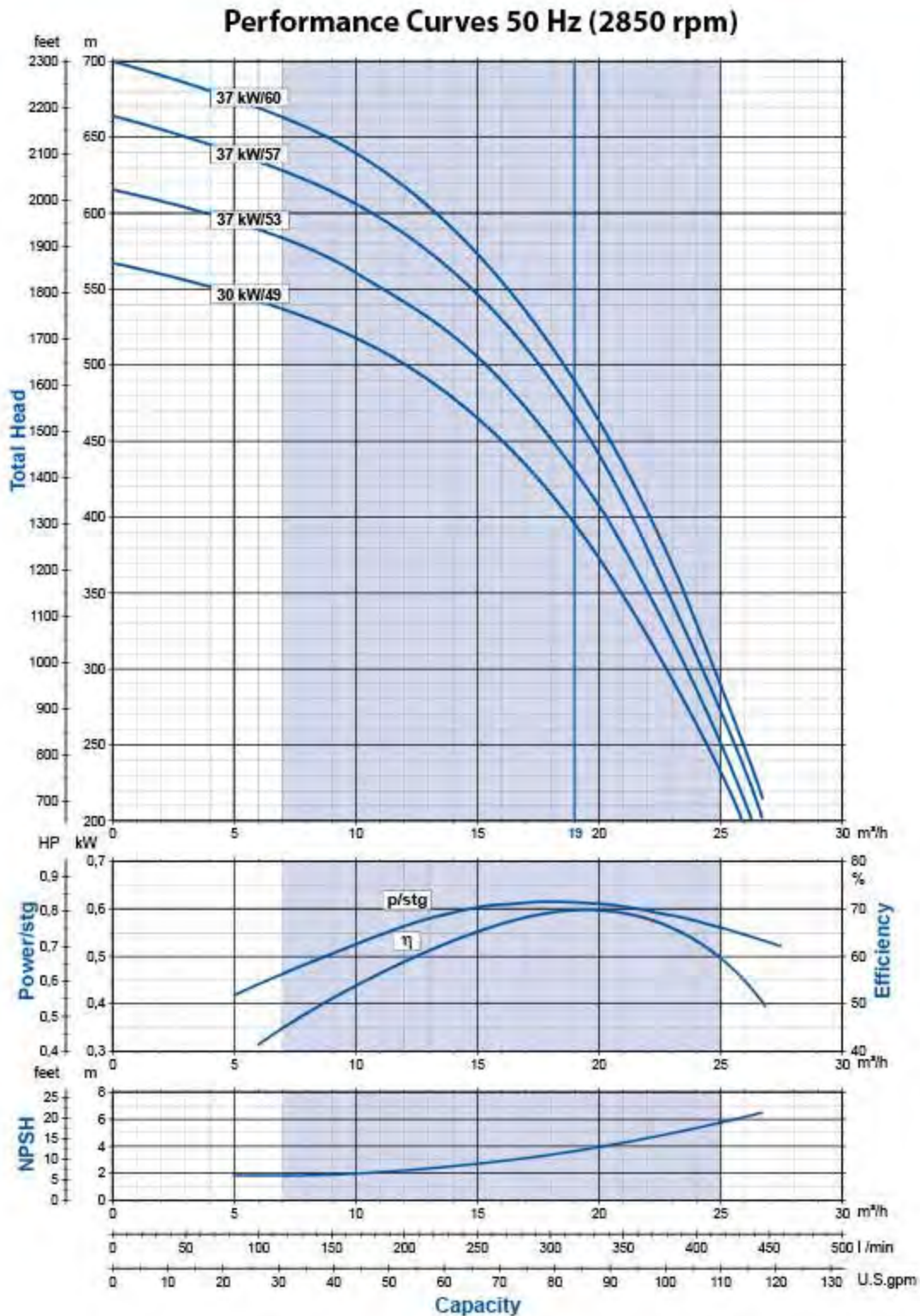


	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 4"	—	—
Pump 6" with motor 6"	145	146.5

*Note: All units are in millimeters

50 Hz 6" Stainless Steel

19 m³/h Performance Curve



50 Hz 6" Stainless Steel

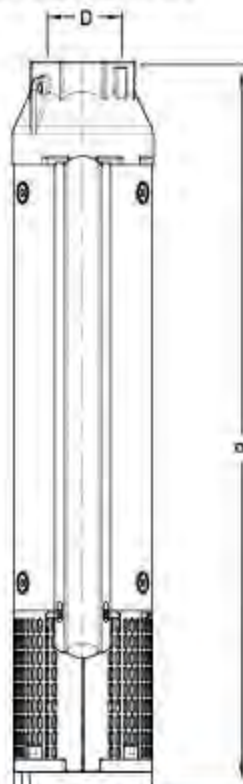
30 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-30	FPS-30-3	3.7	3	4" (1)	30SR4S65-0363	97161030003	620	14.7	3
	FPS-30-4	5.5	4	4" or 6"	30SR5S65-0463	97161030004	705.5	16.8	3
	FPS-30-6	7.5	6	4" or 6"	30SR7S65-0663	97161030006	876	21	3
	FPS-30-7	9.3	7	6"	30SR9S65-0763	97161030007	961.5	23.1	3
	FPS-30-9	11	9	6"	30SR11S65-0963	97161030009	1132.5	27.3	3
	FPS-30-12	15	12	6"	30SR15S65-1263	97161030012	1389	33.6	3
	FPS-30-14	18.5	14	6"	30SR18S65-1463	97161030014	1560	37.8	3
	FPS-30-16	22	16	6"	30SR22S65-1663	97161030016	1730.5	42	3
	FPS-30-18	22	18	6"	30SR22S65-1863	97161030018	1901.5	46.1	3
	FPS-30-21	30	21	6"	30SR30S65-2163	97161030021	2157.5	52.4	3
	FPS-30-24	30	24	6"	30SR30S65-2463	97161030024	2414	56.7	3
	FPS-30-27	37	27	6"	30SR37S65-2763	97161030027	2670	65	3
	FPS-30-30	37	30	6"	30SR37S65-3063	97161030030	2926	71.3	3
	FPS-30-34	45	34	6"	30SR45S65-3463	97161030034	3267.5	79.7	3

* Pumps marked as 4" or 6" motor come standard for 6" motors. A 4" motor bracket adapter is required for use on a 4" motor. (Part no. 305 473 001)

(1) Pump includes 4" motor bracket adapter.

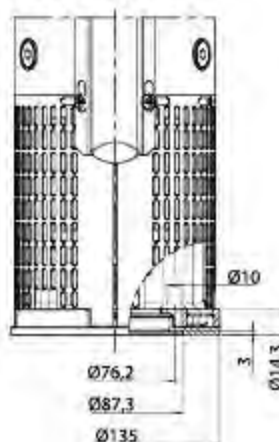
Dimensions



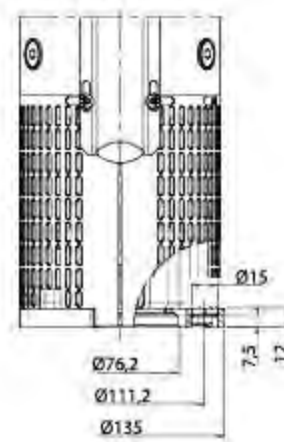
	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 4"	142.5	—
Pump 6" with motor 6"	143	144.5

*Note: All units are in millimeters

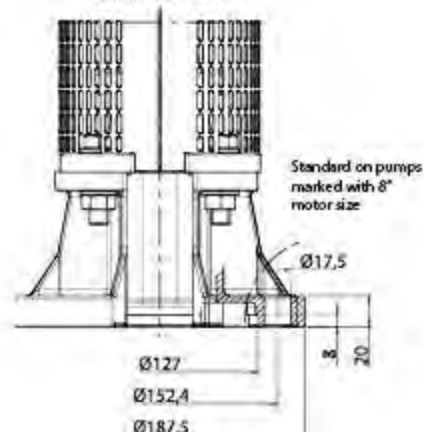
4" Motor Adapter



6" Motor Adapter



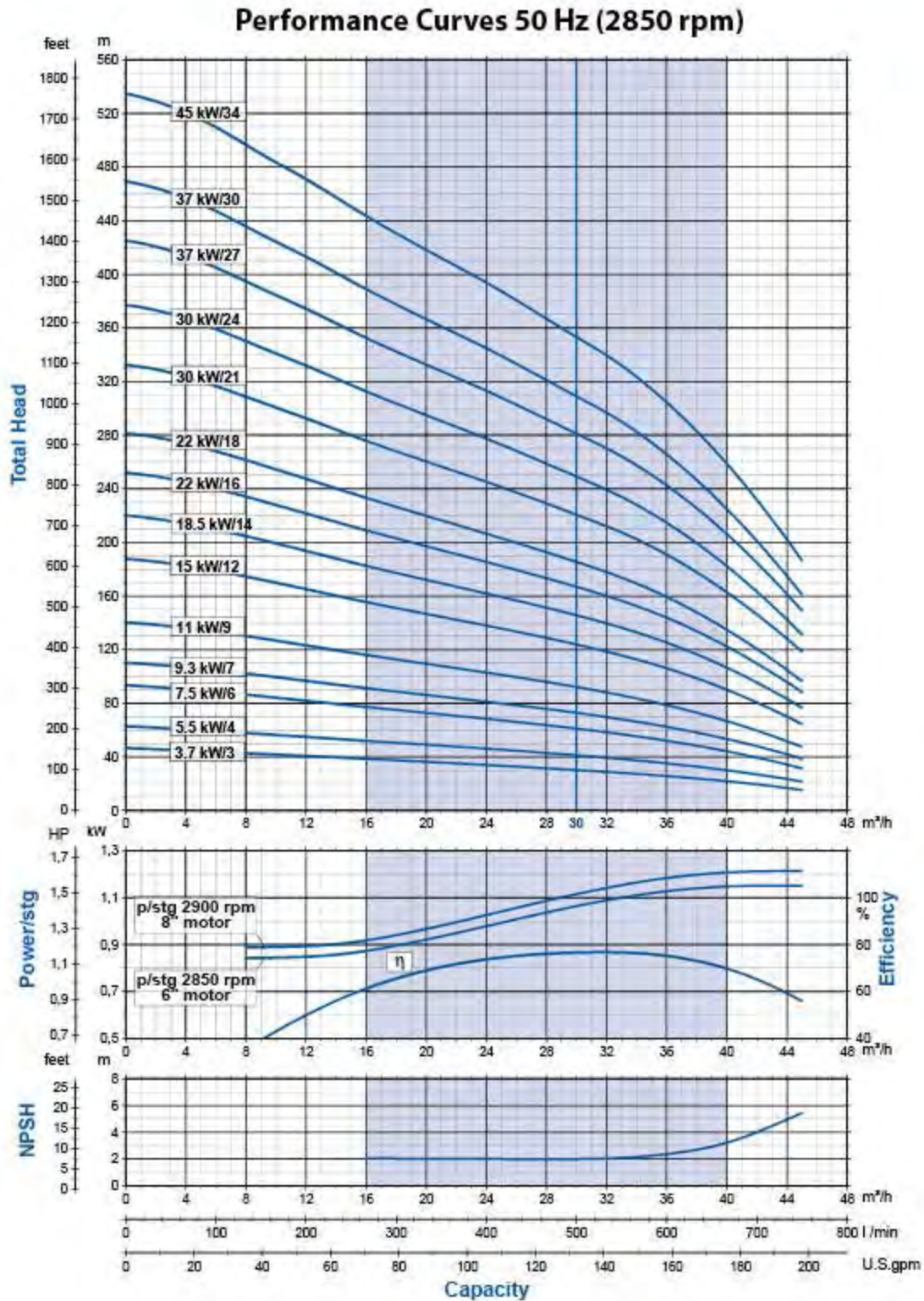
8" Motor Adapter
Part no. 305 473 002



8" motor adapter kit for use on 6" pump
Includes bracket, shaft coupler and motor bolts

50 Hz 6" Stainless Steel

30 m³/h Performance Curve

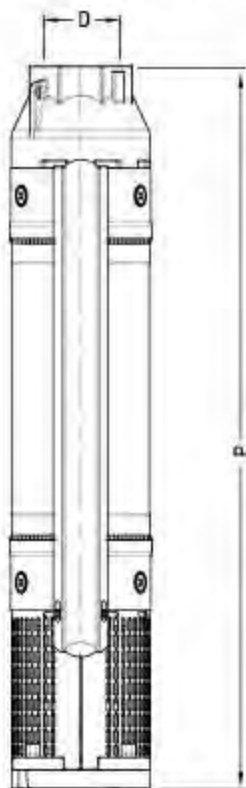


50 Hz 6" Stainless Steel

30 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-30	FPS-30-37	45	37	8"	30SR45S65-3763	97161030037	3523.5	87.2	3
	FPS-30-40	55	40	8"	30SR55S65-4083	97161030040	3879.5	96.6	3
	FPS-30-43	55	43	8"	30SR55S65-4383	97161030043	4135.5	99.8	3

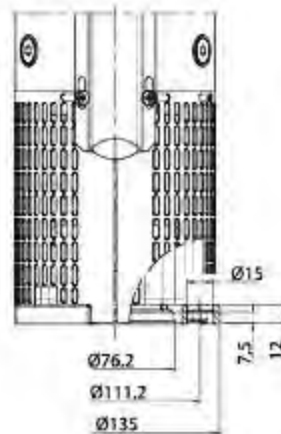
Dimensions



	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 6"	145	148.5
Pump 8" with motor 8"	190.5	190.5

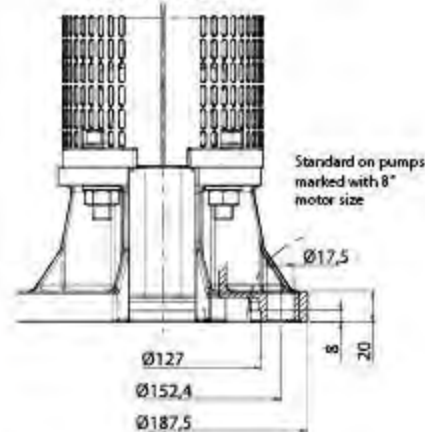
*Note: All units are in millimeters

6" Motor Adapter



8" Motor Adapter

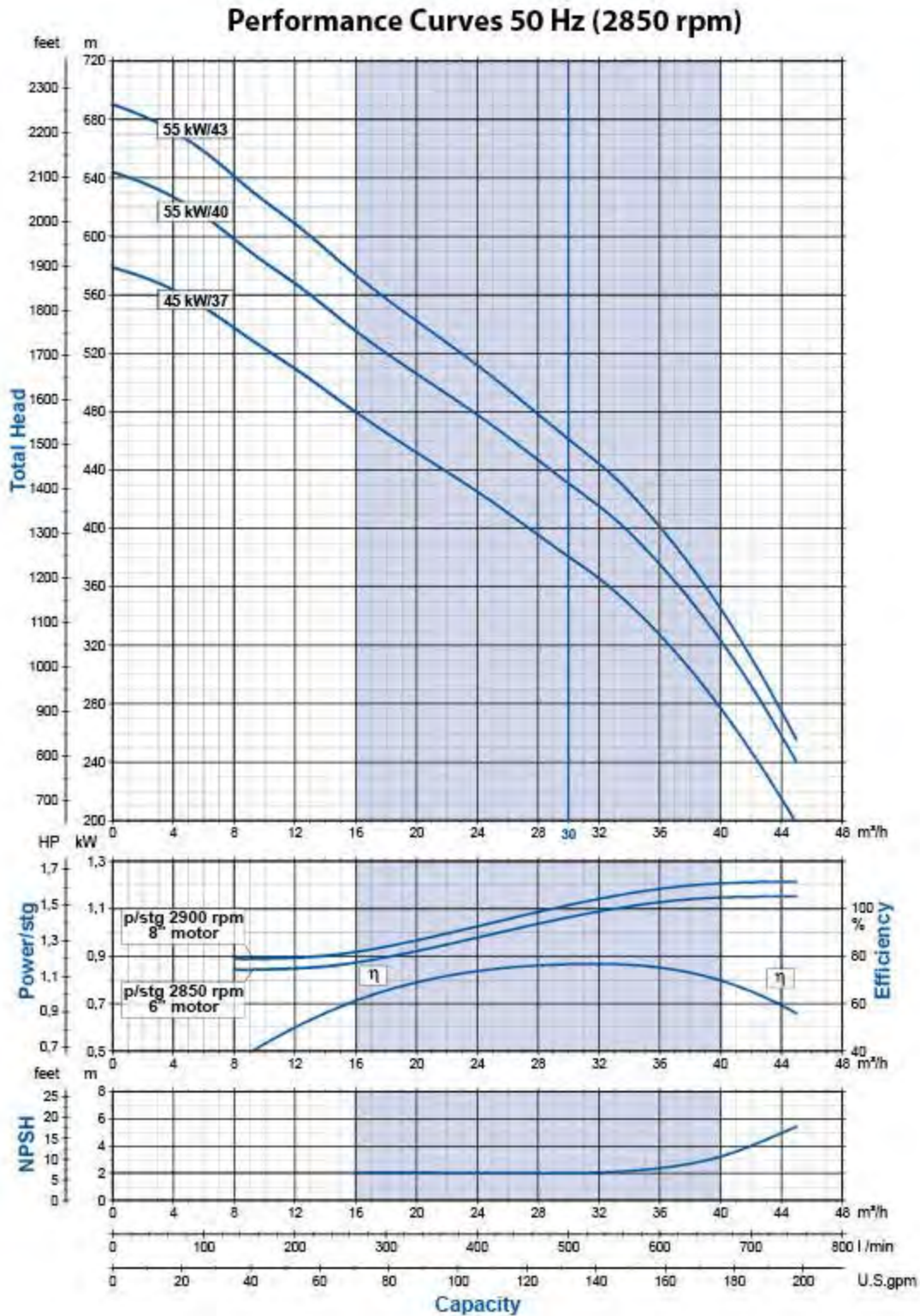
Part no. 305 473 002



8" motor adapter kit for use on 6" pump
Includes bracket, shaft coupler and motor bolts

50 Hz 6" Stainless Steel

30 m³/h Performance Curve



50 Hz 6" Stainless Steel

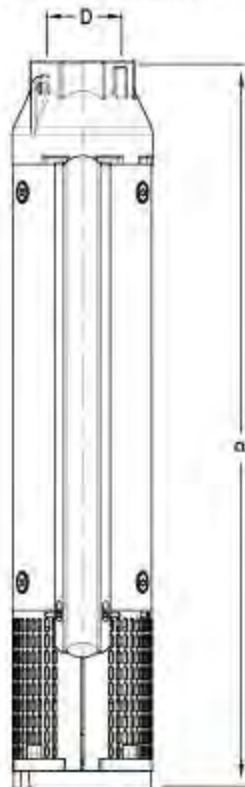
46 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-46	FPS-46-2	3	2	4" (1)	46SR3865-0243	97161046002	593.5	13.5	3
	FPS-46-3	3.7	3	4" (1)	46SR4865-0363	97161046003	705.5	16.16	3
	FPS-46-4	5.5	4	4" or 6"	46SR5865-0463	97161046004	819.5	18.77	3
	FPS-46-5	7.5	5	4" or 6"	46SR7865-0563	97161046005	933.5	21.38	3
	FPS-46-7	9.3	7	6"	46SR9865-0763	97161046007	1161	26.59	3
	FPS-46-8	11	8	6"	46SR11865-0863	97161046008	1275	29.2	3
	FPS-46-11	15	11	6"	46SR15865-1163	97161046011	1617	37.02	3
	FPS-46-14	18.5	14	6"	46SR18865-1463	97161046014	1958.5	44.82	3
	FPS-46-17	22	17	6"	46SR22865-1763	97161046017	2300	52.66	3
	FPS-46-20	30	20	6"	46SR30865-2063	97161046020	2641.5	60.46	3
	FPS-46-23	30	23	6"	46SR30865-2363	97161046023	2983	68.3	3
	FPS-46-25	37	25	6"	46SR37865-2563	97161046025	3210.5	73.51	3

* Pumps marked as 4" or 6" motor come standard for 6" motors. A 4" motor bracket adapter is required for use on a 4" motor: (Part no. 305 473 001)

(1) Pump includes 4" motor bracket adapter.

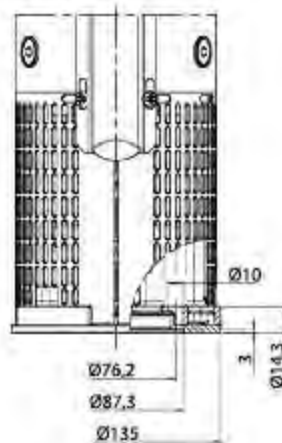
Dimensions



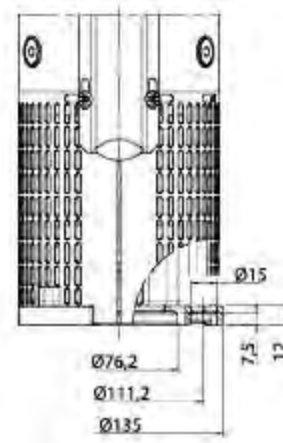
	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 4"	142.5	-
Pump 6" with motor 6"	143	144.5

*Note: All units are in millimeters

4" Motor Adapter

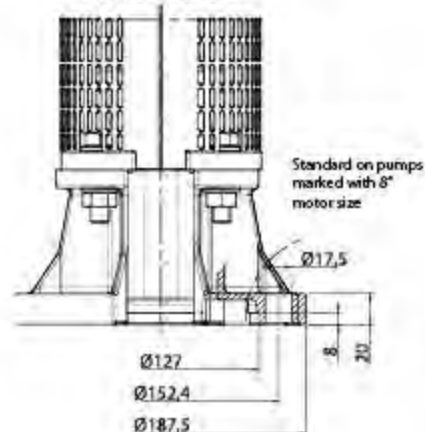


6" Motor Adapter



8" Motor Adapter

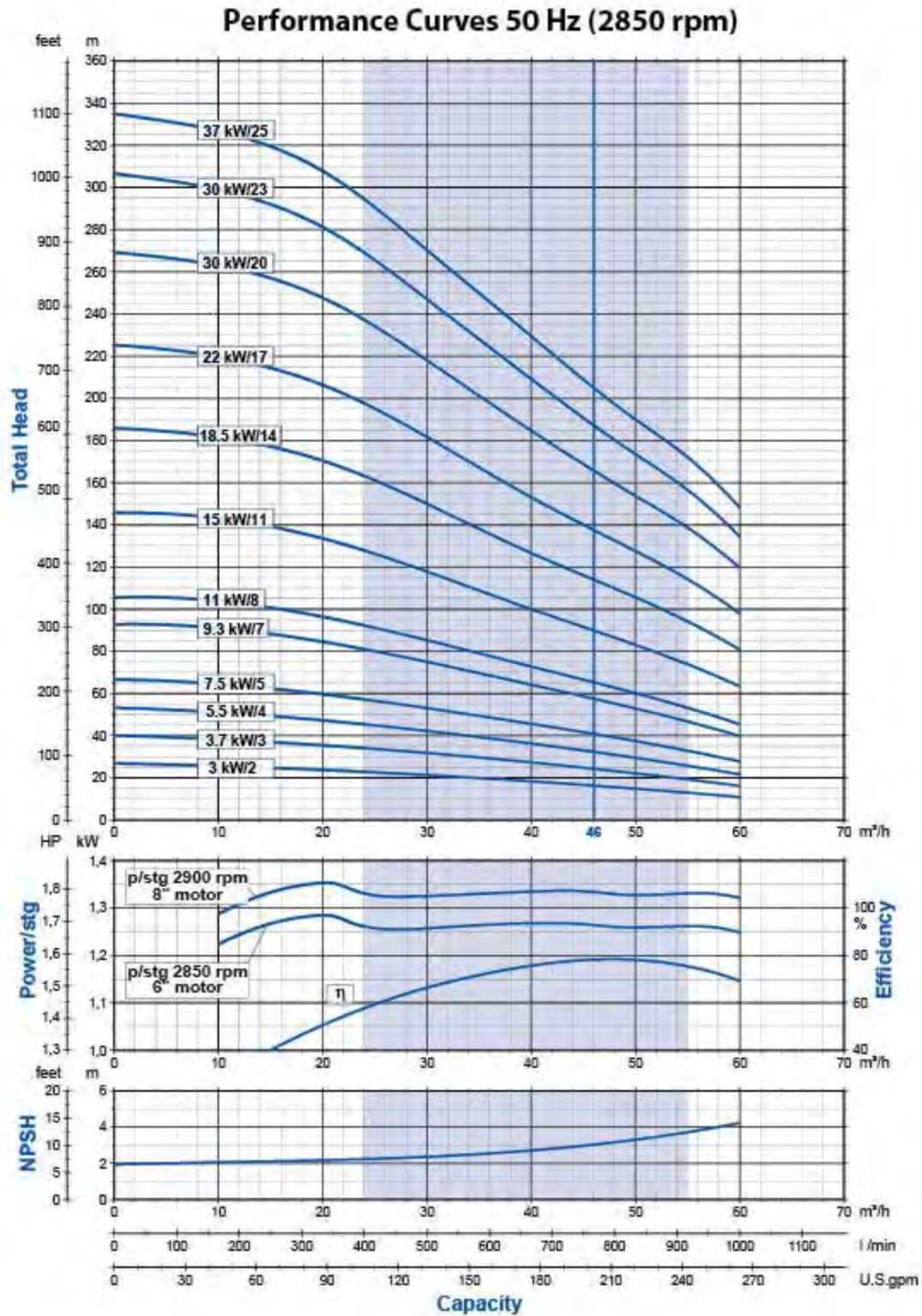
Part no. 305 473 002



8" motor adapter kit for use on 6" pump
Includes bracket, shaft coupler and motor bolts

50 Hz 6" Stainless Steel

46 m³/h Performance Curve

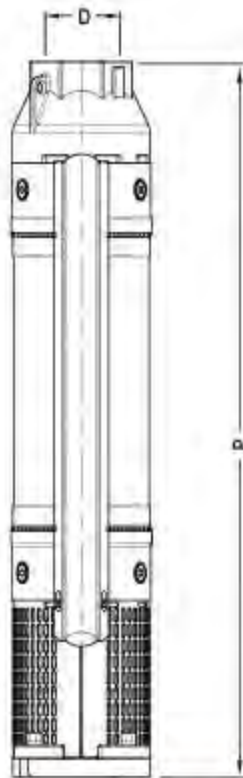


50 Hz 6" Stainless Steel

46 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-46	FPS-46-28	37	28	6"	46SR37S65-2863	97161046028	3552	81.98	3
	FPS-46-30	45	30	6"	46SR45S65-3063	97161046030	3779.5	87.2	3
	FPS-46-33	45	33	6"	46SR45S65-3363	97161046033	4121	95.02	3
	FPS-46-34	55	34	6"	46SR55S65-3463	97161046034	4335	100.83	3
	FPS-46-37	55	37	6"	46SR55S65-3763	97161046037	4676.5	106.72	3
	FPS-46-40	55	40	6"	46SR55S65-4063	97161046040	5018	116.61	3

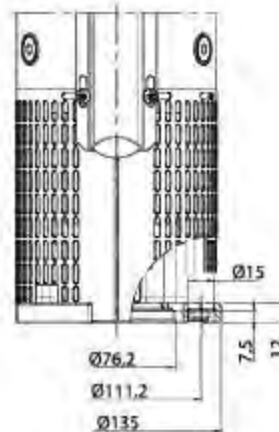
Dimensions



	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 6"	145	146.5
Pump 6" with motor 8"	190.5	190.5

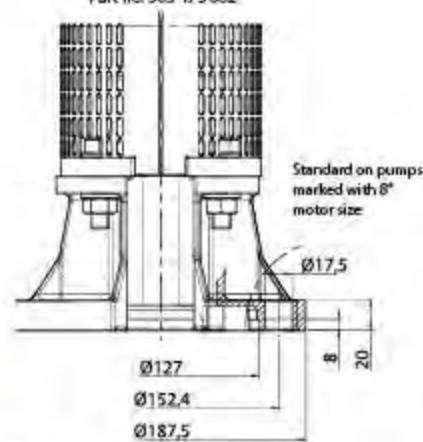
*Note: All units are in millimeters

6" Motor Adapter



8" Motor Adapter

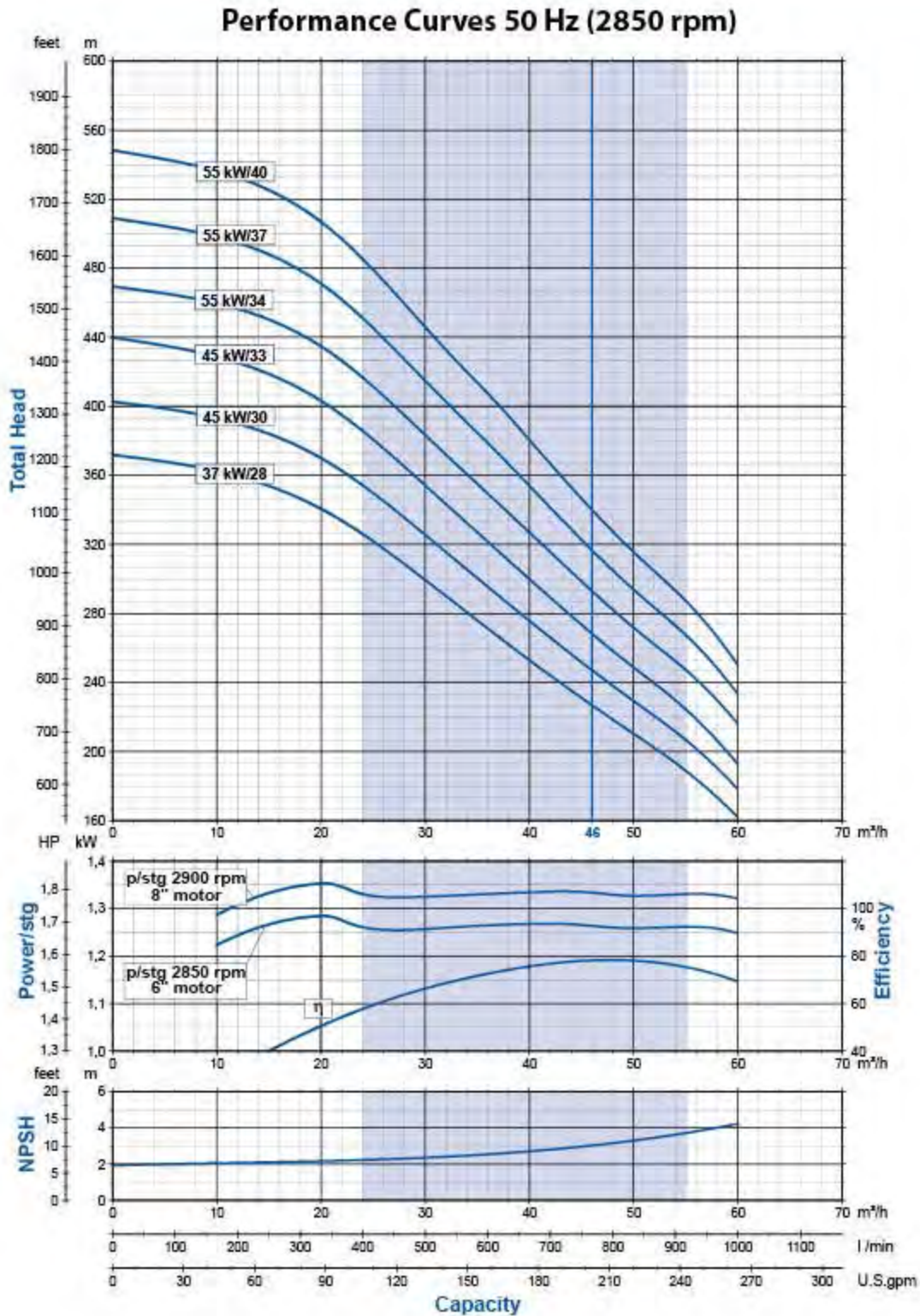
Part no. 305 473 002



8" motor adapter kit for use on 6" pump
includes bracket, shaft coupler and motor bolts

50 Hz 6" Stainless Steel

46 m³/h Performance Curve



50 Hz 6" Stainless Steel

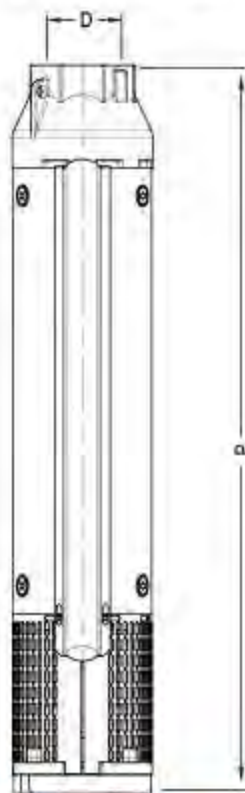
65 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-65	FPS-65-2	3.7	2	4" (1)	65SR4S65-0263	97161065002	591.5	13.57	3
	FPS-65-3	5.5	3	4" or 6"	65SR5S65-0363	97161065003	705.5	16.19	3
	FPS-65-4	7.5	4	4" or 6"	65SR7S65-0463	97161065004	819.5	18.8	3
	FPS-65-5	9.3	5	6"	65SR9S65-0563	97161065005	933.5	21.42	3
	FPS-65-6	11	6	6"	65SR11S65-0663	97161065006	1047	24.03	3
	FPS-65-9	15	9	6"	65SR15S65-0964	97161065009	1389	32.83	4
	FPS-65-11	18.5	11	6"	65SR18S65-1164	97161065011	1617	38.06	4
	FPS-65-13	22	13	6"	65SR22S65-1364	97161065013	1844.5	43.3	4
	FPS-65-15	30	15	6"	65SR30S65-1564	97161065015	2072.5	48.46	4
	FPS-65-17	30	17	6"	65SR30S65-1764	97161065017	2300	53.76	4
	FPS-65-19	37	19	6"	65SR37S65-1964	97161065019	2527.5	58.99	4
	FPS-65-21	37	21	6"	65SR37S65-2164	97161065021	2755	64.22	4
	FPS-65-24	45	24	6"	65SR45S65-2464	97161065024	3096.5	72.06	4
	FPS-65-26	45	26	6"	65SR45S65-2664	97161065026	3324	77.29	4

* Pumps marked as 4" or 6" motor come standard for 6" motors. A 4" motor bracket adapter is required for use on a 4" motor. (Part no. 305 473 001)

(1) Pump includes 4" motor bracket adapter.

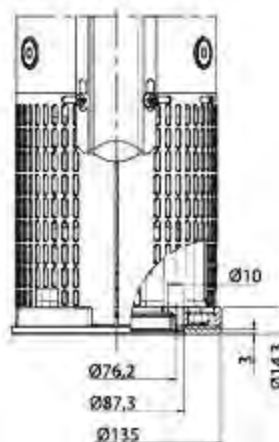
Dimensions



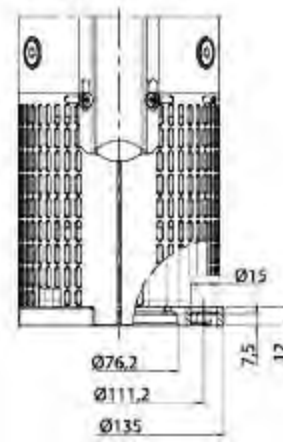
	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 4"	142.5	—
Pump 6" with motor 6"	143	144.5

*Note: All units are in millimeters

4" Motor Adapter

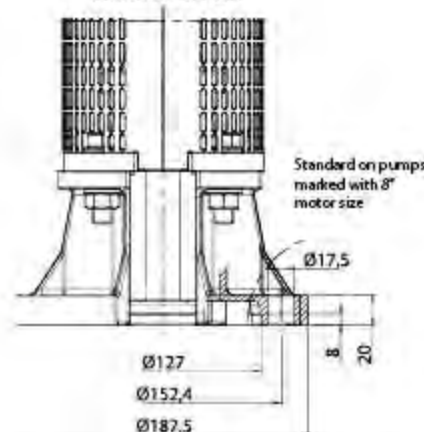


6" Motor Adapter



8" Motor Adapter

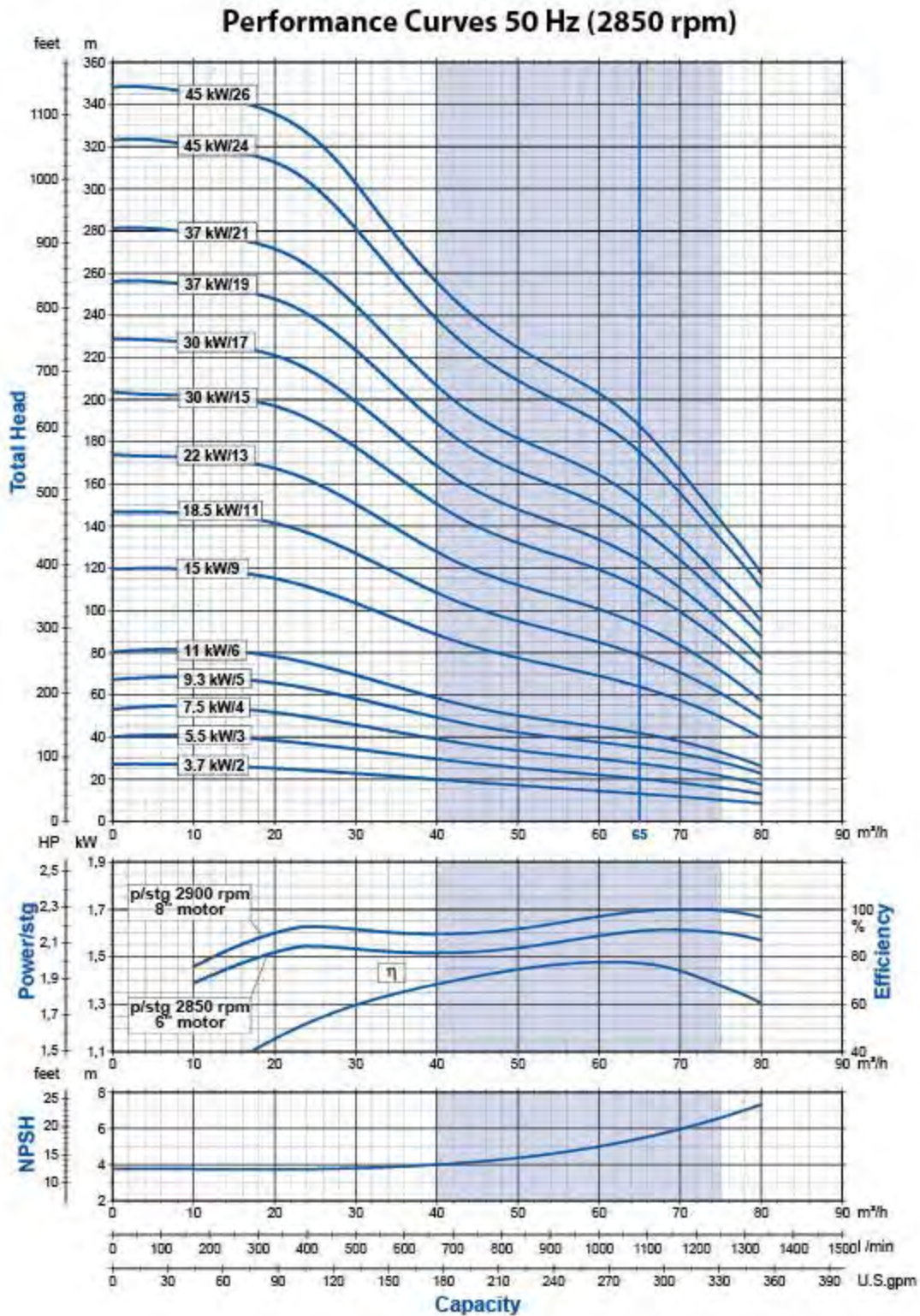
Part no. 305 473 002



8" motor adapter kit for use on 6" pump
Includes bracket, shaft coupler and motor bolts

50 Hz 6" Stainless Steel

65 m³/h Performance Curve

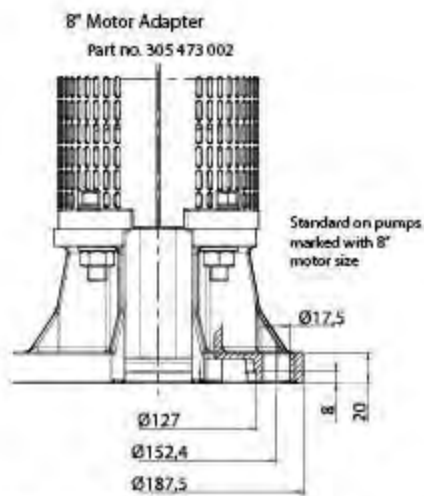
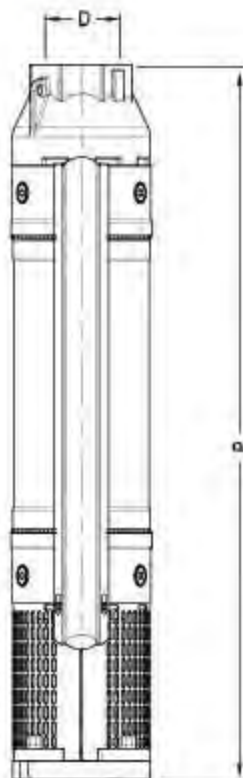


50 Hz 6" Stainless Steel

65 m³/h Specifications

6" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-65	FPS-65-28	55	28	8"	65SR55SR65-2884	97161065028	3552	86.22	4
	FPS-65-31	55	31	8"	65SR55SR65-3184	97161065031	3993.5	94.15	4

Dimensions



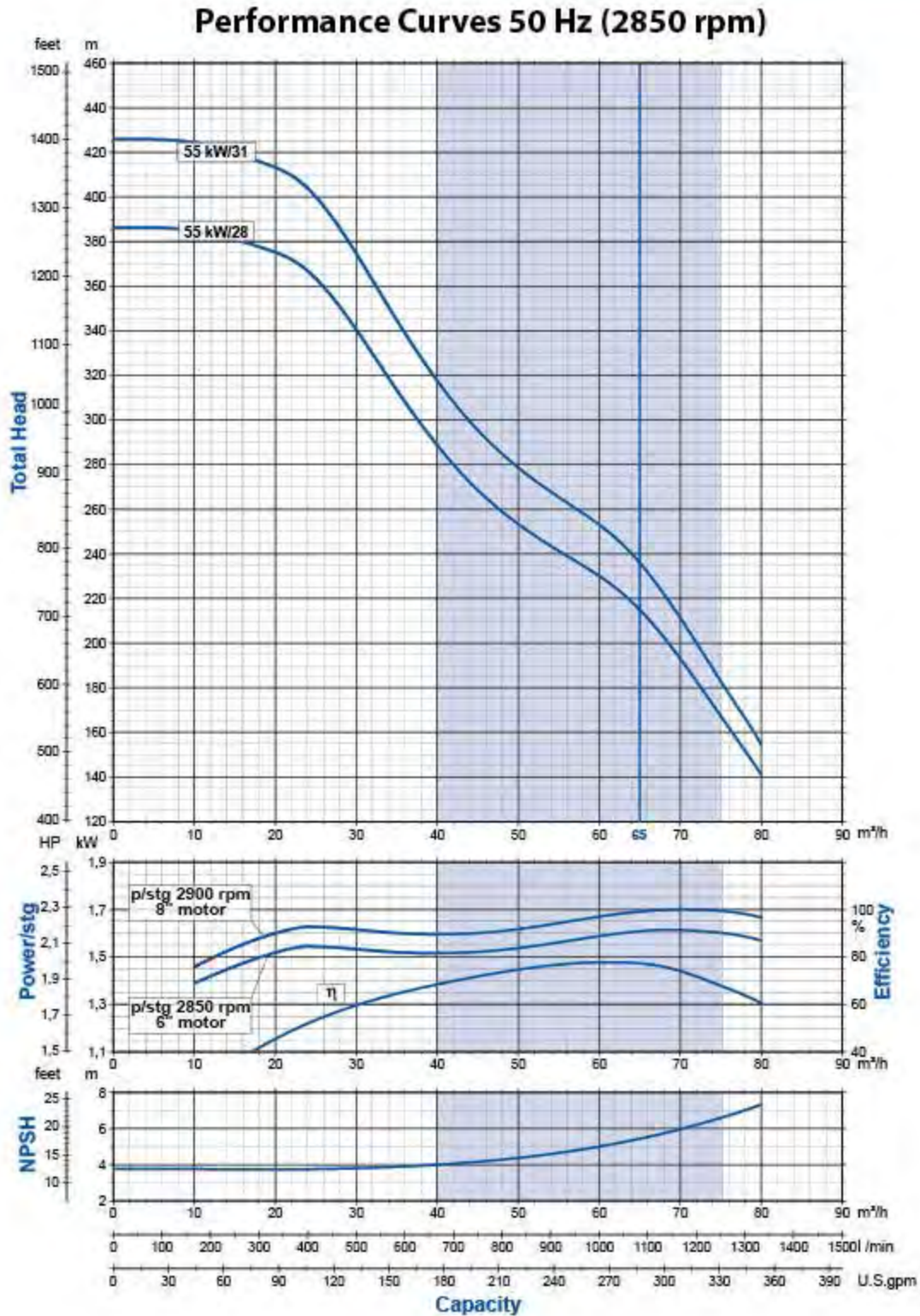
8" motor adapter kit for use on 6" pump
Includes bracket, shaft coupler and motor bolts

	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 6" with motor 8"	190.5	190.5

*Note: All units are in millimeters

50 Hz 6" Stainless Steel

65 m³/h Performance Curve



50 Hz 6" Stainless Steel

Materials of Construction

6" PUMP MATERIALS OF CONSTRUCTION			
Parts Description	Material		
	Type	F-304SS	S-316SS
		AISI	AISI
Discharge Head	Stainless Steel	304	316
Valve	Stainless Steel	316	316
Sealing O-Ring	Nitrile Rubber (NBR)	N/A	N/A
Outer Case Locking Nuts	Stainless Steel	316	316
Outer Case	Stainless Steel	304	316
Suction Strainer	Stainless Steel	316	316
Cable Guard	Stainless Steel	316	316
Initial Spacer	Stainless Steel	304	316
Flange and Screws	Stainless Steel	304	316
Motor Adapter	Stainless Steel	304	316
Pump Shaft	Stainless Steel	431	316/329
Coupling	Stainless Steel	431/329	316/329
Upper / Lower Upthrust Washer	Stainless Steel	316	316
Upper Journal Sleeve (1)	Stainless Steel with Ceramic Coating (1)	329	329
Screw and Washer	Stainless Steel	316	316
Upthrust Ring	PTFE	N/A	N/A
Lower / Upper Spacer	Stainless Steel	316	316
Diffuser	Stainless Steel	304	316
Secondary Bearing Bush	Nitrile Rubber (NBR)	N/A	N/A
Floating Neck Ring	PTFE	N/A	N/A
Flange Clamping Neck Ring	Stainless Steel	304	316
Bearing Bush	Nitrile Rubber (NBR)	N/A	N/A
Last / Intermediate Diffuser	Stainless Steel	316	316
First Stage	Stainless Steel	316	316
Impeller / Wear Ring	Stainless Steel	304	316
Split Cone / Secondary Journal Sleeve	Stainless Steel	316	316
Split Cone Nut / Intermediate Cone Nut	Stainless Steel	316	316
Upthrust Split Cone Nut	Stainless Steel	316	316

(1) - Stainless Steel with Tungsten Carbide Coating on pumps longer than 3 meters



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FPS *SR* series

8" 50 Hz Stainless Steel Submersible Pumps

8-Inch: 78 & 97 m³/h flow ratings

***Advanced technology in
performance and reliability.***



Franklin Electric

Stainless Steel Submersible Pumps

FPS SR-Series

The FPS SR Series pumps are specifically designed for municipal and industrial applications. These pumps contain stainless steel impellers, a stainless steel shell to maintain alignment, and heavy investment cast stainless steel suction and discharge brackets. Built to operate efficiently with Franklin Electric submersible motors, the FPS SR Series stainless steel pumps are equipped to handle the most demanding conditions.

Specifications

8" SR-Series Models

Capacity	Up to 120 m ³ /h at 50 Hz
Heads	50 bar (500 m) at 50 Hz
Efficiency	Up to 80%
Discharge Outlet	4" BSP SR78 / 6" BSP SR97
Required Motors	From 7.5 kW to 110 kW / 6" & 8" NEMA standard
Standard Material	316 SS (304 SS Available)

Features

■ Premier manufacturing technology

The innovative mechanical design combined with the use of an advanced stainless steel manufacturing process has resulted in a state-of-the-art submersible pump line.

■ Guaranteed performances

The SR Series pumps feature fabricated stainless steel impellers and diffusers for corrosion resistance with a PTFE floating neck ring, ceramic guide journal sleeve and NBR fluted bearings to ensure durability against wear. All of these materials combine to promote product reliability and long lasting constant performance.

■ Heavy duty structure

An external stainless steel shell improves stiffness and assures permanent alignment of all the components. In addition, a wafer style check valve is built into the discharge head to allow for horizontal operation. The SR Series pumps are built to last in the most complex and severe applications.

■ Stainless steel

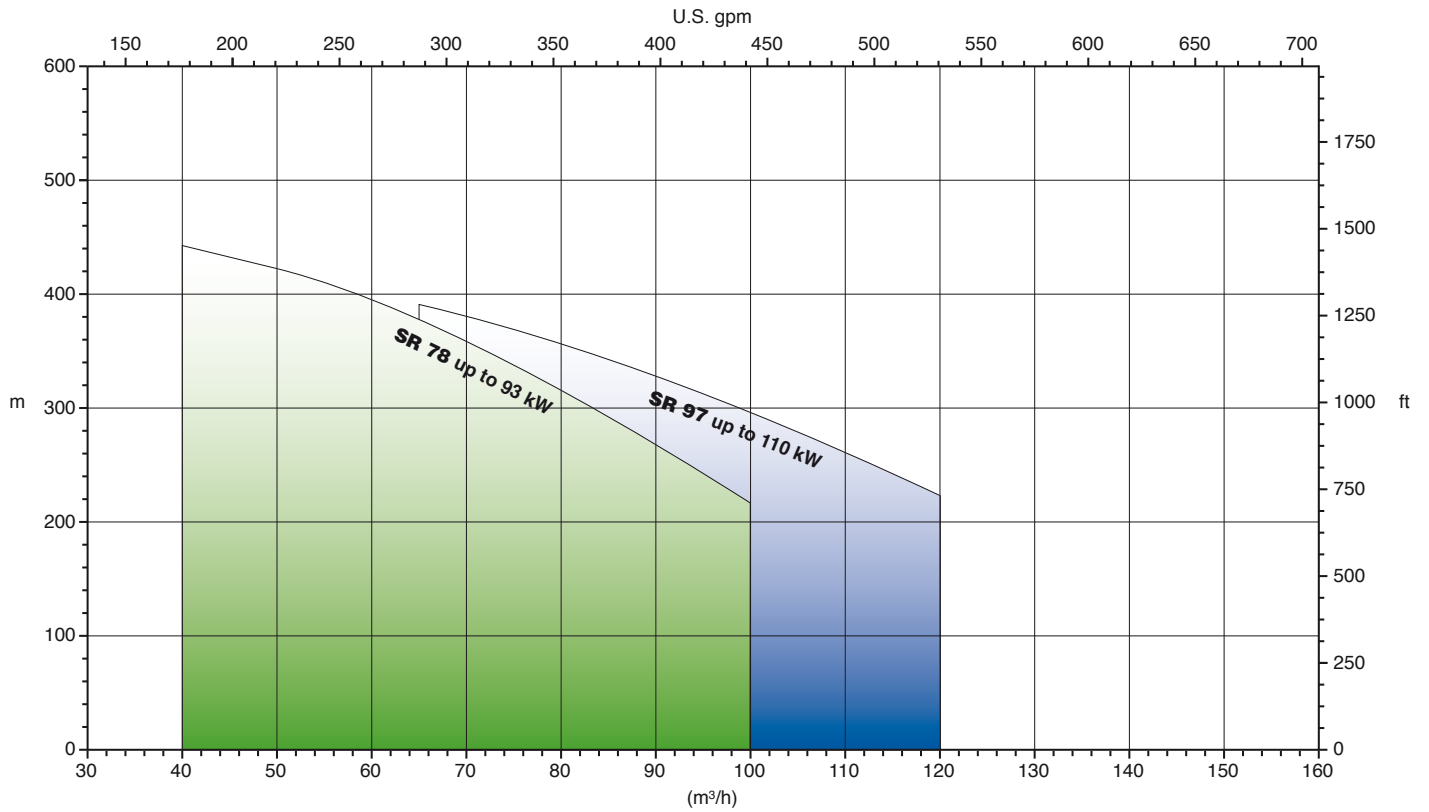
All components are made of stainless steel for durability and robustness to increase run time and provide trouble-free operations.

■ High efficiency and energy saving

Innovative hydraulic designs such as fully welding the three dimensional twisted blades of the impellers and diffusers provide efficiencies up to 80%. The increased efficiency coupled with the robust design and materials make the SR Series pumps the likely choice for all pumping applications.

8" Submersible Pumps

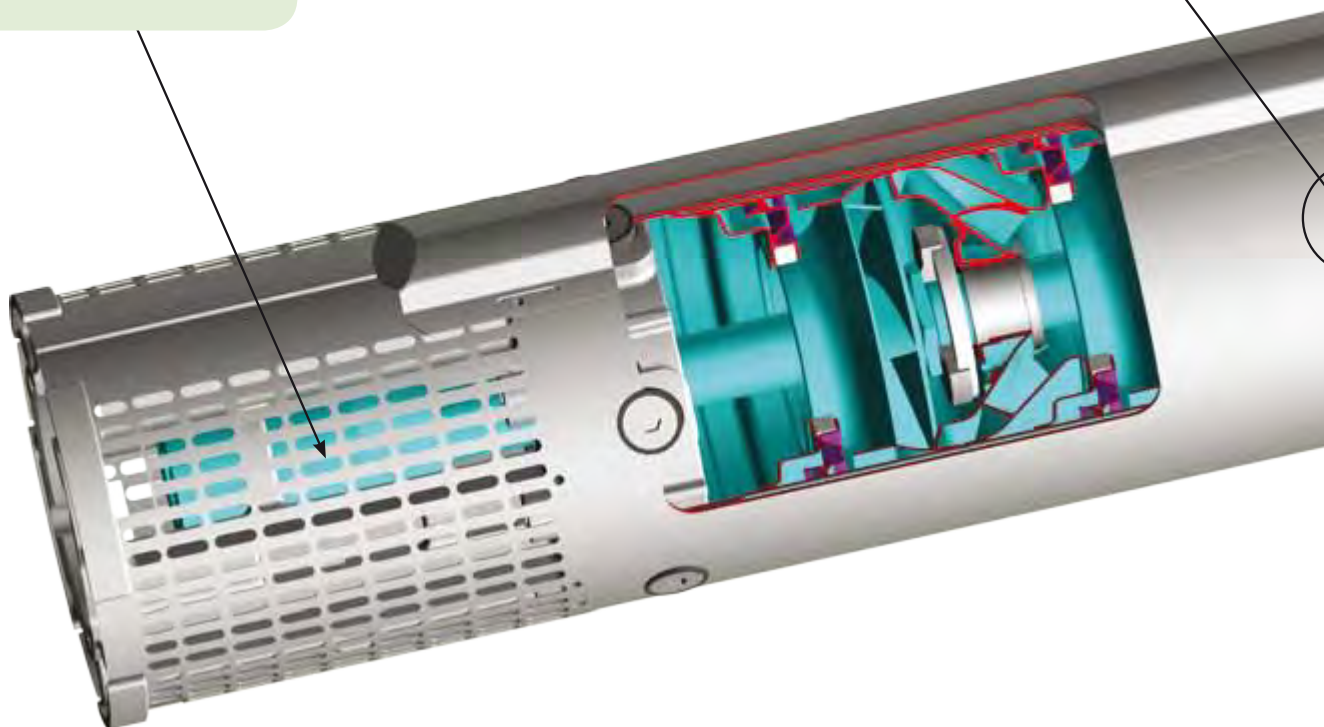
8" - 50 Hz



FPS
SR series

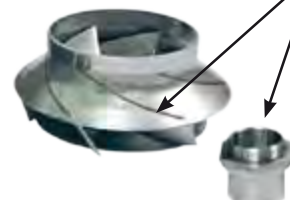
Motor adapter and coupling are in compliance to NEMA standards

Stainless steel external shell improves stiffness and assures permanent alignment of the components

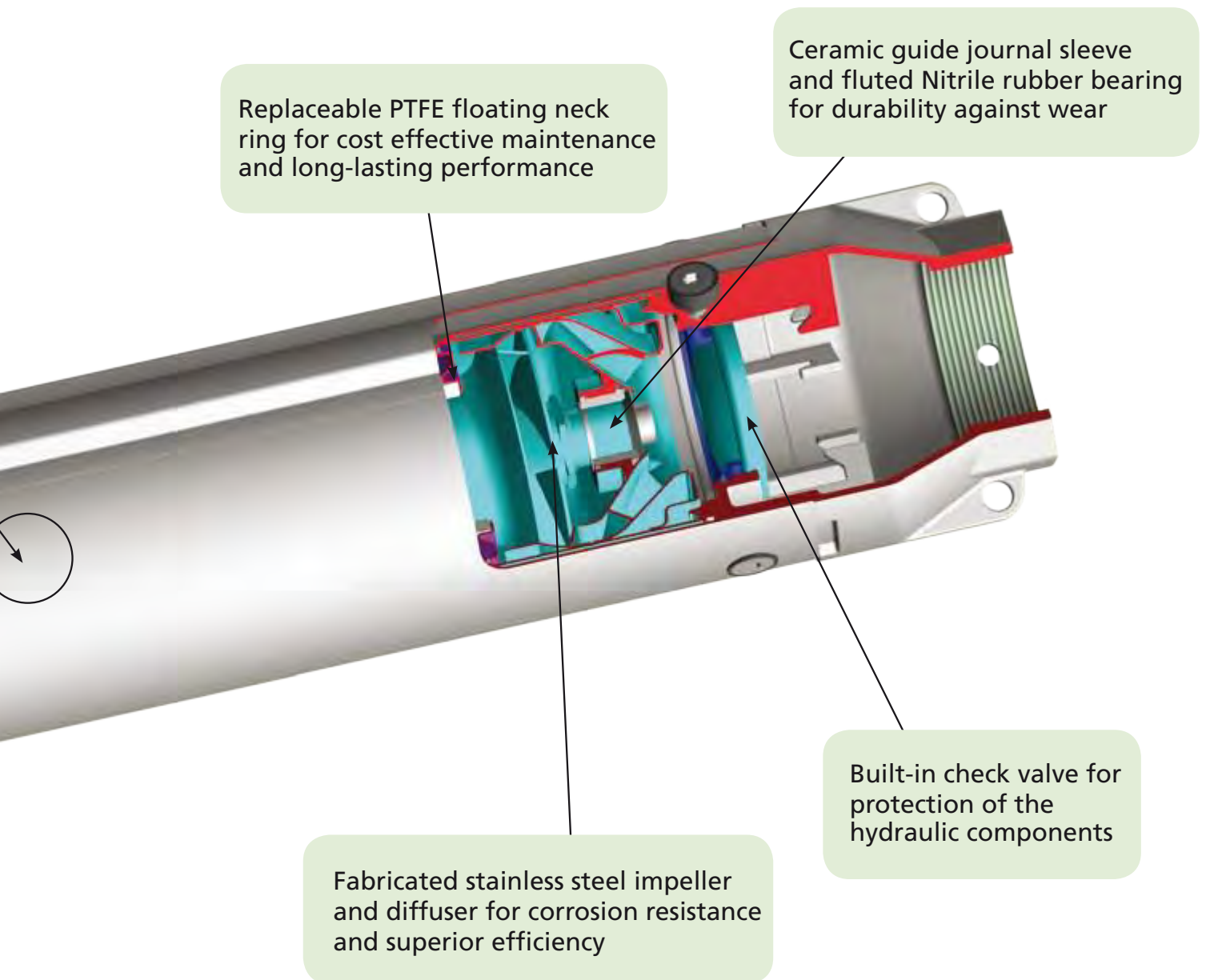


Mixed Flow Ratings

- SR-78
- SR-97



Fully welded
and diffuser
cone taper l



Applications

These heavy-duty 8-inch submersible pumps are engineered for for a wide variety of applications including:

- Municipal water works
- Water distribution and pressure boosting
- Irrigation and sprinkler systems
- Water treatment plants, filtration and reverse osmosis
- Industrial cooling and processing
- Mining industry, drainage and dewatering
- General industry
- Fountains

Impellers
with split
lock collets

FPS
SR series

50 Hz 8" Stainless Steel Pumps

78-97 m³/h



FPS

SR series

Designed for industrial and agricultural applications, the SR Series submersible pump utilizes high grade stainless steel materials for the most demanding applications.

- 6" to 65 m³/h
- 8" to 97 m³/h

Features:

- Stainless steel impellers and diffusers to resist corrosion.
- Heavy duty stainless steel shell assures permanent alignment of all components to increase longevity and enables higher pressures than strap designs.
- PTFE floating wear ring, ceramic bearing journal and Nitrile rubber fluted bearing ensure durability against wear for long-lasting performance and reliability.
- Suited to operate in horizontal position.
- Built-in check valve to protect the pump against water hammer.
- Energy efficient hydraulic design for cost effective operation.
- Easy to install and dismantle for service in the field if necessary.

Model Number Explanation

Example: 97SR55S85-1186

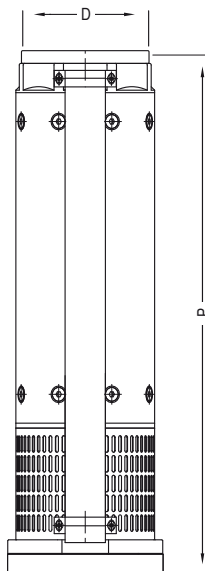
97 = m³/h
SR = Series
55 = kW
S = 316 SS (F=304SS)
8 = 8" Pump
5 = 50 Hz
11 = Number of Stages
8 = 8" Motor
6 = 6" Discharge

50 Hz 8" Stainless Steel

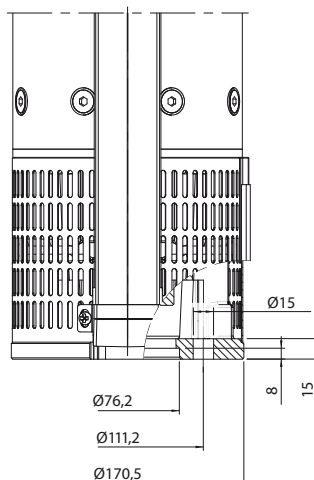
78 m³/h Specifications

8" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-78	FPS-78-2	7.5	2	6"	78SR7S85-0264	97181078002	654	33.5	4
	FPS-78-3	11	3	6"	78SR11S85-0364	97181078003	780	38.5	4
	FPS-78-4	15	4	6"	78SR15S85-0464	97181078004	906	43.5	4
	FPS-78-5	18.5	5	6"	78SR18S85-0564	97181078005	1032	43.5	4
	FPS-78-6	22	6	6"	78SR22S85-0664	97181078006	1158	53	4
	FPS-78-7	30	7	6"	78SR30S85-0764	97181078007	1284	58	4
	FPS-78-8	30	8	6"	78SR30S85-0864	97181078008	1410	63	4
	FPS-78-9	30	9	6"	78SR30S85-0964	97181078009	1536	68	4
	FPS-78-10	37	10	6"	78SR37S85-1064	97181078010	1662	73	4
	FPS-78-10	37	10	8"	78SR37S85-1084	97181078310	1662	73	4
	FPS-78-11	37	11	6"	78SR37S85-1164	97181078011	1788	78	4
	FPS-78-11	37	11	8"	78SR37S85-1184	97181078311	1788	78	4
	FPS-78-12	45	12	6"	78SR45S85-1264	97181078012	1919	84	4
	FPS-78-12	45	12	8"	78SR45S85-1284	97181078312	1919	84	4
	FPS-78-13	55	13	8"	78SR55S85-1384	97181078013	2045	89	4
	FPS-78-14	55	14	8"	78SR55S85-1484	97181078014	2171	94	4
	FPS-78-15	55	15	8"	78SR55S85-1584	97181078015	2297	99	4
	FPS-78-16	75	16	8"	78SR75S85-1684	97181078016	2423	103.5	4
	FPS-78-17	75	17	8"	78SR75S85-1784	97181078017	2549	108.5	4
	FPS-78-18	75	18	8"	78SR75S85-1884	97181078018	2675	113.5	4
	FPS-78-19	75	19	8"	78SR75S85-1984	97181078019	2801	118.5	4
	FPS-78-20	75	20	8"	78SR75S85-2084	97181078020	2927	123	4
	FPS-78-21	75	21	8"	78SR75S85-2184	97181078021	3053	128	4
	FPS-78-22	93	22	8"	78SR93S85-2284	97181078022	3079	133	4
	FPS-78-23	93	23	8"	78SR93S85-2384	97181078023	3305	138	4
	FPS-78-24	93	24	8"	78SR93S85-2484	97181078024	3431	143	4

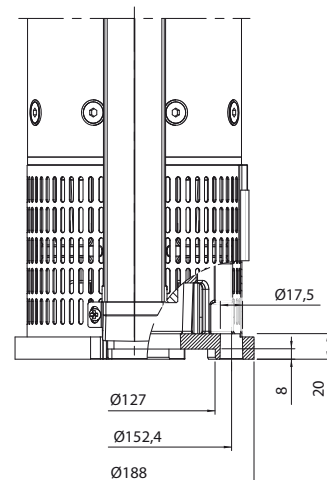
Dimensions



6" Motor Adapter



8" Motor Adapter

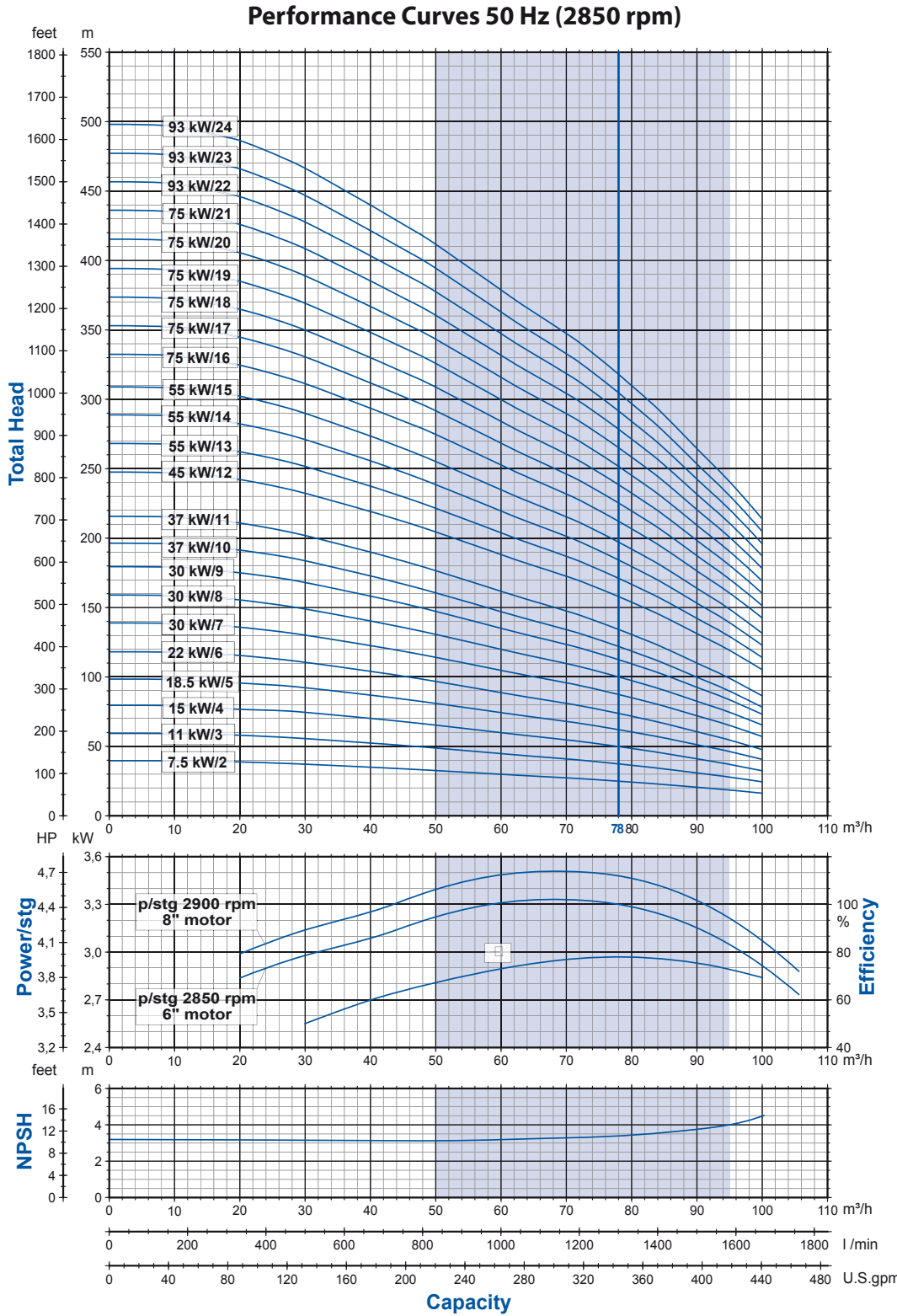


	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 8" with motor 6"	188	194
Pump 8" with motor 8"	200	202

*Note: All units are in millimeters

50 Hz 8" Stainless Steel Pumps

78 m³/h Performance Curve

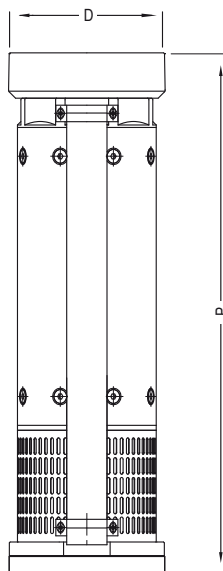


50 Hz 8" Stainless Steel

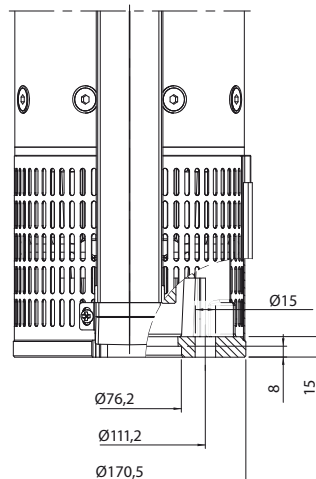
97 m³/h Specifications

8" PUMP ENDS									
M3/h	Model	kW	Stages	Motor Size (in)	PART NUMBERS 316SS		Length (mm) - P	Weight (kg)	Discharge (in) - D
					Build No.	Order No.			
FPS-97	FPS-97-2	9.3	2	6"	97SR9S85-0266	97181097002	698	35.25	6
	FPS-97-3	15	3	6"	97SR15S85-0366	97181097003	824	40.25	6
	FPS-97-4	18.5	4	6"	97SR18S85-0466	97181097004	950	45.25	6
	FPS-97-5	22	5	6"	97SR22S85-0566	97181097005	1076	49.75	6
	FPS-97-6	30	6	6"	97SR30S85-0666	97181097006	1202	54.75	6
	FPS-97-7	30	7	6"	97SR30S85-0766	97181097007	1328	59.75	6
	FPS-97-8	37	8	6"	97SR37S85-0866	97181097008	1454	64.75	6
	FPS-97-8	37	8	8"	97SR37S85-0886	97181097308	1454	64.75	6
	FPS-97-9	37	9	6"	97SR37S85-0966	97181097009	1580	69.75	6
	FPS-97-9	37	9	8"	97SR37S85-0986	97181097309	1580	69.75	6
	FPS-97-10	45	10	6"	97SR45S85-1066	97181097010	1711	75.75	6
	FPS-97-10	45	10	8"	97SR45S85-1086	97181097310	1711	75.75	6
	FPS-97-11	55	11	8"	97SR55S85-1186	97181097011	1837	80.75	6
	FPS-97-12	55	12	8"	97SR55S85-1286	97181097012	1963	85.75	6
	FPS-97-13	55	13	8"	97SR55S85-1386	97181097013	2089	90.75	6
	FPS-97-14	75	14	8"	97SR75S85-1486	97181097014	2215	95.75	6
	FPS-97-15	75	15	8"	97SR75S85-1586	97181097015	2341	100.75	6
	FPS-97-16	75	16	8"	97SR75S85-1686	97181097016	2467	105.75	6
	FPS-97-17	75	17	8"	97SR75S85-1786	97181097017	2593	110.25	6
	FPS-97-18	93	18	8"	97SR93S85-1886	97181097018	2719	115.25	6
	FPS-97-19	93	19	8"	97SR93S85-1986	97181097019	2845	120.25	6
	FPS-97-20	93	20	8"	97SR93S85-2086	97181097020	2971	124.75	6
	FPS-97-21	93	21	8"	97SR93S85-2186	97181097021	3097	129.75	6
	FPS-97-22	110	22	8"	97SR110S85-2286	97181097022	3223	134.75	6
	FPS-97-23	110	23	8"	97SR110S85-2386	97181097023	3349	139.75	6

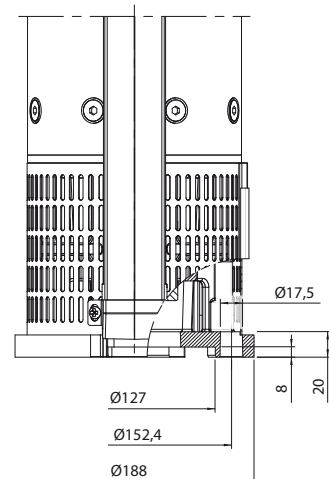
Dimensions



6" Motor Adapter



8" Motor Adapter

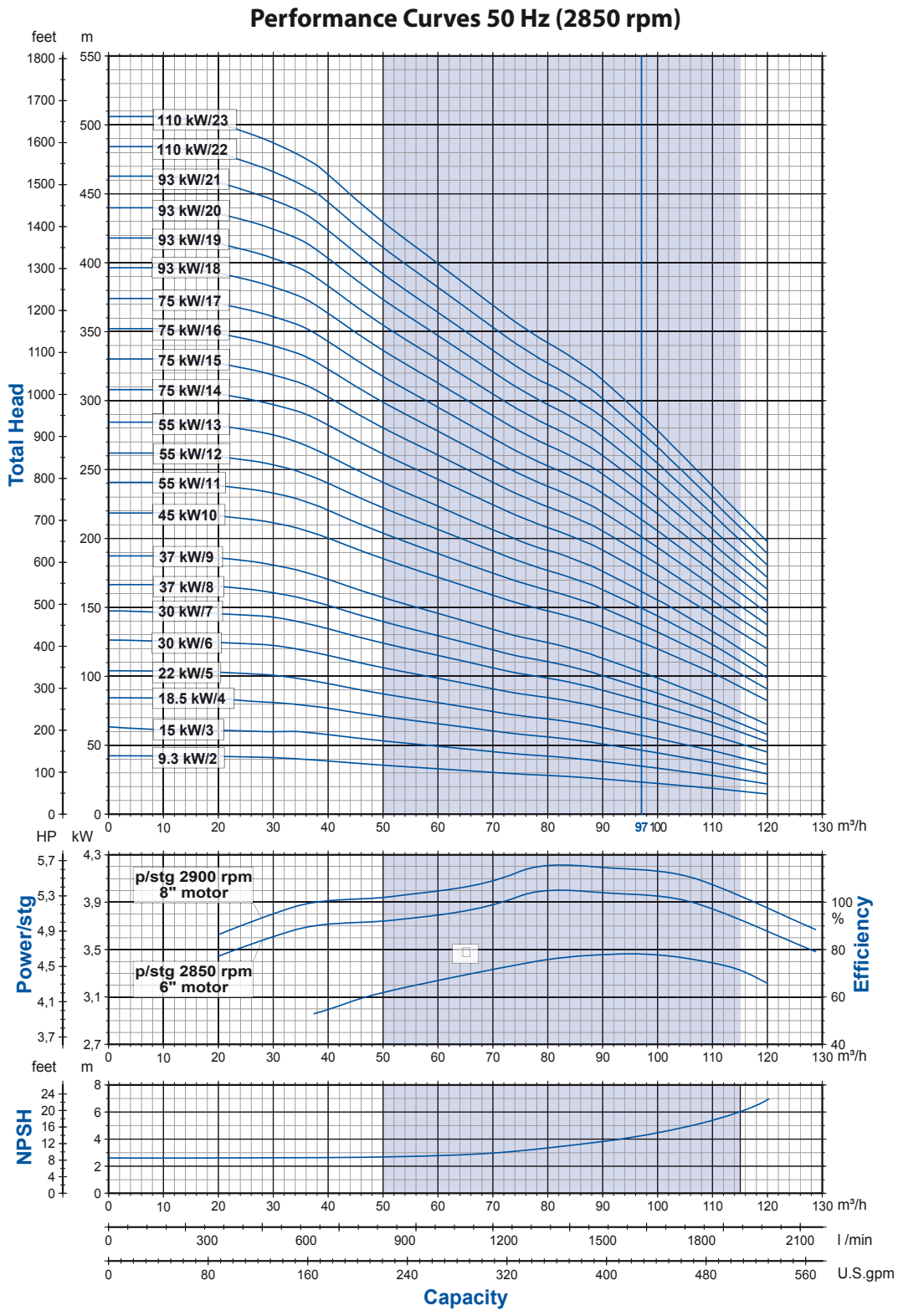


	Diameter with 1 cable cover	Diameter with 2 cable cover
Pump 8" with motor 6"	188	194
Pump 8" with motor 8"	200	202

*Note: All units are in millimeters

50 Hz 8" Stainless Steel Pumps

97 m³/h Performance Curve



50 Hz 8" Stainless Steel

Materials of Construction

8" PUMP MATERIALS OF CONSTRUCTION			
Parts Description	Material		
	Type	F-304SS	S-316SS
		AISI	AISI
Discharge Head	Stainless Steel	304	316
Valve	Stainless Steel	316	316
Sealing O-Ring	Nitrile Rubber (NBR)	N/A	N/A
Outer Case Locking Nuts	Stainless Steel	316	316
Valve Support	Stainless Steel	316	316
Seeger Ring	Stainless Steel	316	316
Spring	Stainless Steel	316	316
Outer Case	Stainless Steel	304	316
Suction Strainer	Stainless Steel	316	316
Cable Guard	Stainless Steel	316	316
Initial Spacer	Stainless Steel	316	316
Flange and Screws	Stainless Steel	304	316
Motor Adapter	Stainless Steel	304	316
Pump Shaft	Stainless Steel	329	329
Coupling	Stainless Steel	431/329	316/329
Upper Upthrust Washer	Stainless Steel	329	329
Lower Upthrust Washer	Stainless Steel	329	329
Upper Journal Sleeve (1)	Stainless Steel with Ceramic Coating (1)	N/A	N/A
Screw and Washer	Stainless Steel	316	316
Upthrust Ring	PTFE	N/A	N/A
Diffuser	Stainless Steel	304	316
Secondary Bearing Bush	Nitrile Rubber (NBR)	N/A	N/A
Floating Neck Ring	PTFE	N/A	N/A
Flange Clamping Neck Ring	Stainless Steel	316	316
Impeller	Stainless Steel	316	316
Split Cone	Stainless Steel	316	316
Split Cone Nut	Stainless Steel	316	316

(1) - Stainless Steel with Tungsten Carbide Coating on pumps longer than 3 meters



Franklin Electric

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Cast Iron Submersible Pumps

10"

12"

14"



Franklin Electric

Cast Iron Submersible Pumps

50-540 m³/h



The FT Series pumps have been engineered in a Cast Iron construction for efficient and reliable pumping of water for agricultural, industrial and municipal applications.

- 10": 180, 200 and 260 m³/h
- 12": 300 and 400 m³/h
- 14": 440 m³/h

Features:

- 100% factory tested
- Cast Iron discharge and suction bracket
- Cast iron bowls
- 10", 12" and 14" sizes
- Cast iron impellers and diffusers
- Impellers locked onto shaft with keys
- Rubber bearings
- Integrated Non Return valve on all models
- Stainless Steel pump shaft for increased durability
- All pumps suit Franklin Electric motors
- Flanged discharge
- Maximum running time at zero delivery is 2 minutes
- Optional cataphoresis coatings
- Optional 316 stainless steel impellers



Model Number Explanation

Example: 260 FT 10 - 5A - 5 10 150

260 = Flow in m³/hr

FT = Series

10 = Pump End

5 = Stages

A = Trim

5 = 50 Hz

10 = Motor Size

150 = 150 kW

10" FPS-FT 50 Hz Submersible Turbine Pump

Ordering Information

M ³ /H	Model	kW	HP	Stages	Trim	Motor	Discharge	ORDER No.	Build No
180	FPS-180FT-1B	18.5	25	1	B	6"	150	96510180105	180FT10-1B-506018
	FPS-180FT-2I	22	30	2	I	6"	150	96510180110	180FT10-2I-506022
	FPS-180FT-2F	30	40	2	F	6"	150	96510180115	180FT10-2F-506030
	FPS-180FT-2C	37	50	2	C	8"	150	96510180120	180FT10-2C-508037
	FPS-180FT-3G	45	60	3	G	8"	150	96510180125	180FT10-3G-508045
	FPS-180FT-3C	55	75	3	C	8"	150	96510180130	180FT10-3C-508055
	FPS-180FT-4B	75	100	4	B	8"	150	96510180135	180FT10-4B-508075
	FPS-180FT-5B	93	125	5	B	8"	150	96510180140	180FT10-5B-508093
	FPS-180FT-6B	110	150	6	B	10"	150	96510180145	180FT10-6B-510110
	FPS-180FT-7B	130	175	7	B	10"	150	96510180150	180FT10-7B-510130
	FPS-180FT-8B	150	200	8	B	10"	150	96510180155	180FT10-8B-510150
	FPS-180FT-10B	185	250	10	B	10"	150	96510180160	180FT10-10B-510185
200	FPS-200FT-1A	22	30	1	A	6"	150	96510200105	200FT10-1A-506022
	FPS-200FT-2G	30	40	2	G	6"	150	96510200110	200FT10-2G-506030
	FPS-200FT-2D	37	50	2	D	8"	150	96510200115	200FT10-2D-508037
	FPS-200FT-3H	45	60	3	H	8"	150	96510200120	200FT10-3H-508045
	FPS-200FT-3D	55	75	3	D	8"	150	96510200125	200FT10-3D-508055
	FPS-200FT-4D	75	100	4	D	8"	150	96510200130	200FT10-4D-508075
	FPS-200FT-5D	93	125	5	D	8"	150	96510200135	200FT10-5D-508093
	FPS-200FT-6D	110	150	6	D	10"	150	96510200140	200FT10-6D-510110
	FPS-200FT-7D	130	175	7	D	10"	150	96510200145	200FT10-7D-510130
	FPS-200FT-8D	150	200	8	D	10"	150	96510200150	200FT10-8D-510150
	FPS-200FT-10D	185	250	10	D	10"	150	96510200155	200FT10-10D-510185
260	FPS-260FT-1C	30	40	1	C	6"	150	96510260105	260FT10-1C-506030
	FPS-260FT-2P	37	50	2	P	8"	150	96510260110	260FT10-2P-508037
	FPS-260FT-2M	45	60	2	M	8"	150	96510260115	260FT10-2M-508045
	FPS-260FT-2D	55	75	2	D	8"	150	96510260120	260FT10-2D-508055
	FPS-260FT-3G	75	100	3	G	8"	150	96510260125	260FT10-3G-508075
	FPS-260FT-3B	93	125	3	B	8"	150	96510260130	260FT10-3B-508093
	FPS-260FT-4D	110	150	4	D	10"	150	96510260135	260FT10-4D-510110
	FPS-260FT-5F	130	175	5	F	10"	150	96510260140	260FT10-5F-510130
	FPS-260FT-5A	150	200	5	A	10"	150	96510260145	260FT10-5A-510150
	FPS-260FT-6D	185	250	6	D	10"	150	96510260150	260FT10-6D-510185

12" FPS-FT 50 Hz Submersible Turbine Pump

Ordering Information

M ³ /H	Model	kW	HP	Stages	Trim	Motor	Discharge	ORDER No.	Build No
300	FPS-300FT-1B	45	60	1	B	8"	175	96512300105	300FT12-1B-508045
	FPS-300FT-1A	55	75	1	A	8"	175	96512300110	300FT12-1A-508055
	FPS-300FT-2C	75	100	2	C	8"	175	96512300115	300FT12-2C-508075
	FPS-300FT-2B	93	125	2	B	8"	175	96512300120	300FT12-2B-508093
	FPS-300FT-2A	110	150	2	A	10"	175	96512300125	300FT12-2A-510110
	FPS-300FT-3B	130	175	3	B	10"	175	96512300130	300FT12-3B-510130
	FPS-300FT-3A	150	200	3	A	10"	175	96512300135	300FT12-3A-510150
	FPS-300FT-4A	185	250	4	A	10"	175	96512300140	300FT12-4A-510185
	FPS-300FT-6A	220	300	6	A	12"	175	96512300145	300FT12-6A-512220
	FPS-300FT-5A	250	340	5	A	12"	175	96512300150	300FT12-5A-512250
400	FPS-400FT-1A	45	60	1	A	8"	175	96512400105	400FT12-1A-508045
	FPS-400FT-1A	55	75	1	A	8"	175	96512400110	400FT12-1A-508055
	FPS-400FT-2B	93	125	2	B	8"	175	96512400115	400FT12-2B-508093
	FPS-400FT-2A	110	150	2	A	10"	175	96512400120	400FT12-2A-510110
	FPS-400FT-3B	130	175	3	B	10"	175	96512400125	400FT12-3B-510130
	FPS-400FT-3A	150	200	3	A	10"	175	96512400130	400FT12-3A-510150
	FPS-400FT-4B	185	250	4	B	10"	175	96512400135	400FT12-4B-510185
	FPS-400FT-4A	220	300	4	A	12"	175	96512400140	400FT12-4A-512220
	FPS-400FT-5A	250	340	5	A	12"	175	96512400145	400FT12-5A-512335

14" FPS-FT 50 Hz Submersible Turbine Pump

Ordering Information

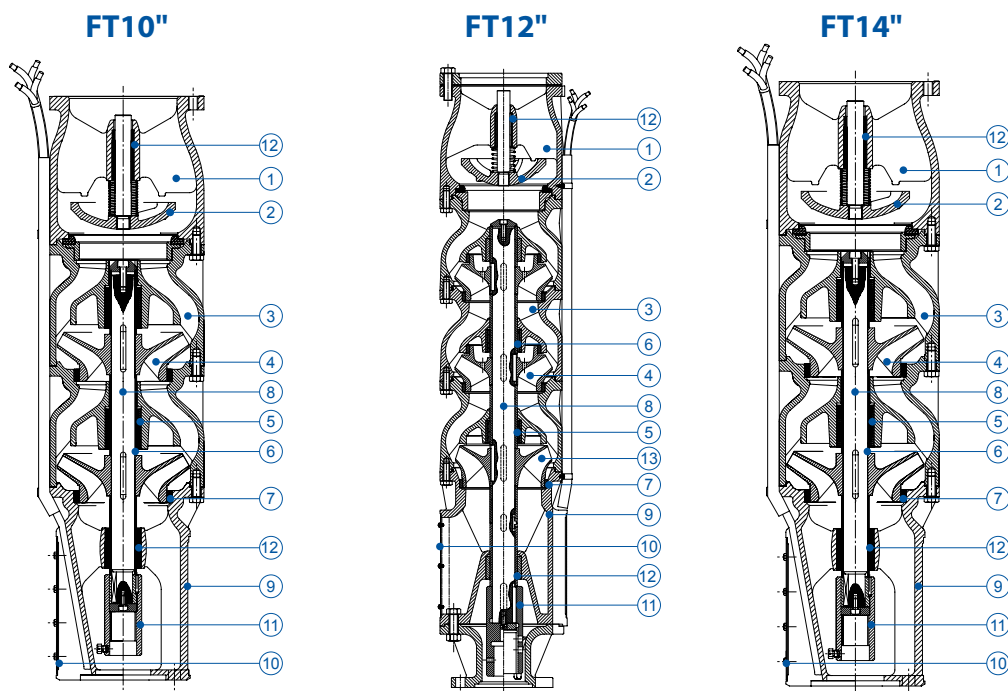
440	FPS-440FT-1E	55	75	1	E	8"	200	96514440105	440FT14-1E-508055
	FPS-440FT-1A	75	100	1	A	8"	200	96514440110	440FT14-1A-508075
	FPS-440FT-2G	93	125	2	G	10"	200	96514440115	440FT14-2G-510093
	FPS-440FT-2D	110	150	2	D	10"	200	96514440120	440FT14-2D-510110

FPS-FT 50 Hz Submersible Turbine Pump

Part and material specifications

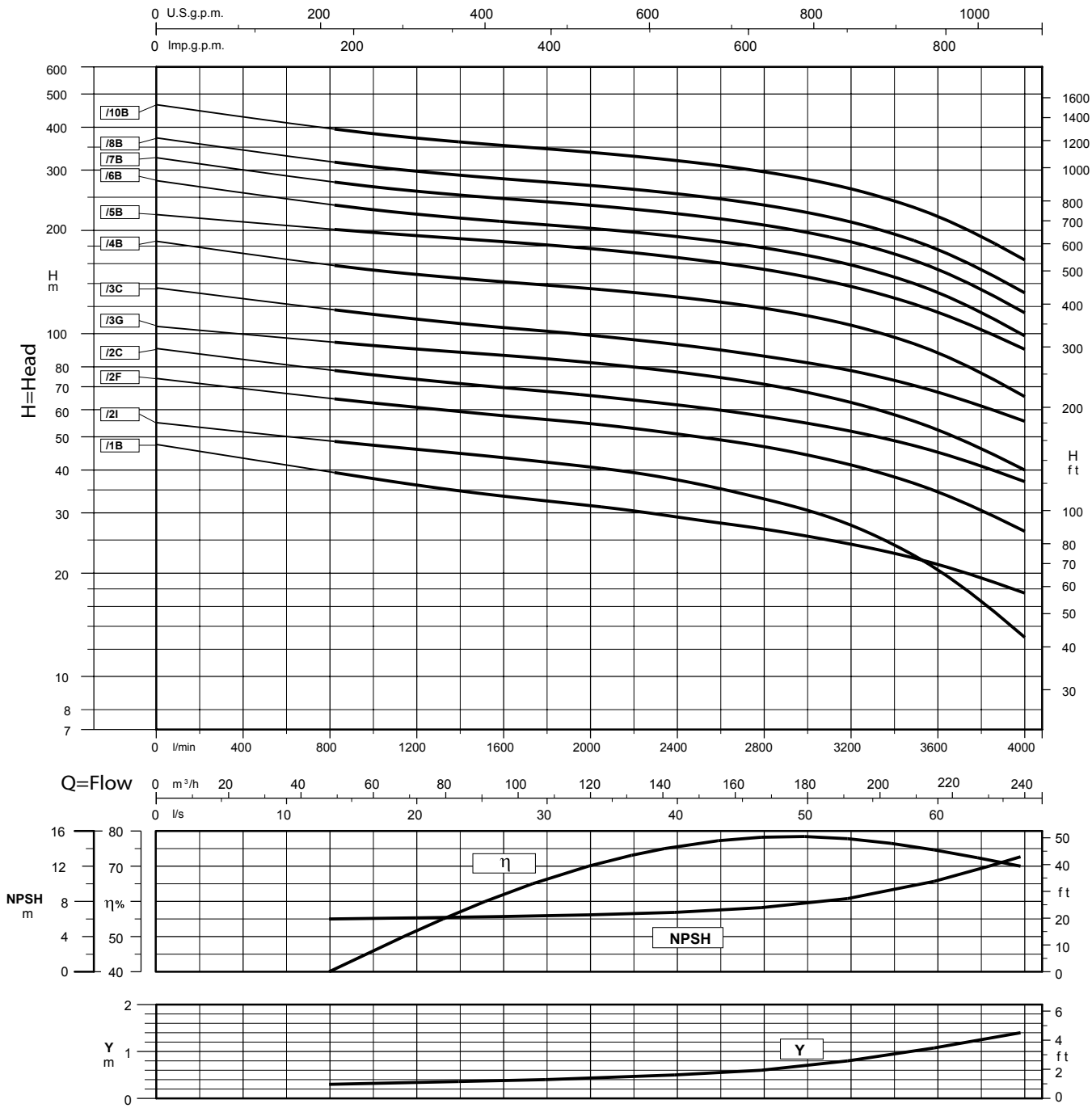
Item	Part name	Material	FT10	FT12	FT14
1	Delivery Bowl	Cast Iron	•	•	•
2	Retaining Valve	Cast Iron	•	•	•
3	Diffuser	Cast Iron	•	•	•
4	Impeller	Cast Iron	•	•	•
5	Journal Bearing	Rubber	•	•	•
6	Spacer Bushing	Bronze	•	•	•
7	Wear Ring	Stainless Steel	•		
7	Wear Ring	Bronze		•	•
8	Shaft	Stainless Steel	•	•	•
9	Suction Bowl	Cast Iron	•	•	•
10	Intake Screen	Stainless Steel	•	•	•
11	Coupling	Stainless Steel	•	•	•
12	Journal Bearing	Rubber	•	•	•
13	Suction Impeller	Cast Iron	O	•	O

- Standard materials
- O Optional material



10" Cast Iron

FPS-180FT Performance Curve – 50Hz



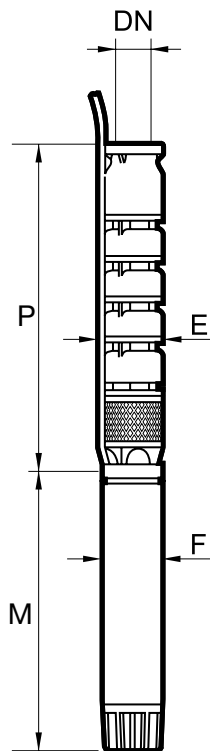
Notes:

- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

FPS-180FT

Performance and Dimensional Information

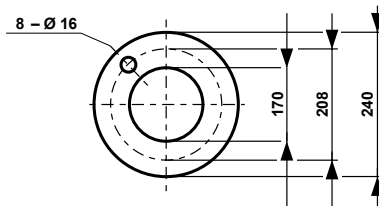
Build No.	kW	HP	Head (m)	l/min	0	800	1200	1600	1900	2200	2500	2800	3000	3200	3400	3700	4000
				m ³ /h	0	48	72	96	114	132	150	168	180	192	204	222	240
				l/s	0	13	20	27	32	37	42	47	50	53	57	62	67
FPS-180FT10-1B-506018	18.5	25	Head (m)	48	40	36	34	32	31	29	27	26	25	23	21	18	
FPS-180FT10-2I-506022	22	30		55	49	46	44	42	40	37	33	31	28	25	20	13	
FPS-180FT10-2F-506030	30	40		74	65	61	58	56	53	50	47	45	42	39	33	27	
FPS-180FT10-2C-508037	37	50		91	78	74	70	67	64	61	58	55	52	49	44	37	
FPS-180FT10-3G-508045	45	60		105	95	90	87	84	80	76	72	68	64	59	50	40	
FPS-180FT10-3C-508055	55	75		136	118	110	104	101	96	92	86	83	78	74	65	56	
FPS-180FT10-4B-508075	75	100		186	158	149	142	137	132	126	119	113	107	99	84	66	
FPS-180FT10-5B-508093	93	125		233	197	186	177	172	165	158	149	142	133	123	105	82	
FPS-180FT10-6B-510110	110	150		280	237	223	212	206	198	189	179	170	160	148	126	99	
FPS-180FT10-7B-510130	130	175		326	276	260	248	240	231	221	208	198	187	173	147	115	
FPS-180FT10-8B-510150	150	200		373	316	297	283	274	264	252	238	227	213	197	168	132	
FPS-180FT10-10B-510185	185	250		466	394	371	354	343	330	315	298	283	266	246	210	164	



Model	P	M	DN	E max	F	Weight (kg)	Order No.
FPS-180FT10-1B	667	*	170	247	142	62	96510180105
FPS-180FT10-2I	847	*	170	247	142	82	96510180110
FPS-180FT10-2F	847	*	170	247	142	82	96510180115
FPS-180FT10-2C	867	*	170	249	190	87	96510180120
FPS-180FT10-3G	1047	*	170	249	190	108	96510180125
FPS-180FT10-3C	1047	*	170	249	190	109	96510180130
FPS-180FT10-4B	1227	*	170	249	190	130	96510180135
FPS-180FT10-5B	1407	*	170	249	190	151	96510180140
FPS-180FT10-6B	1671	*	170	249	237	184	96510180145
FPS-180FT10-7B	1851	*	170	249	237	208	96510180150
FPS-180FT10-8B	2031	*	170	249	237	229	96510180155
FPS-180FT10-10B	2390	*	170	249	237	271	96510180160

Notes:

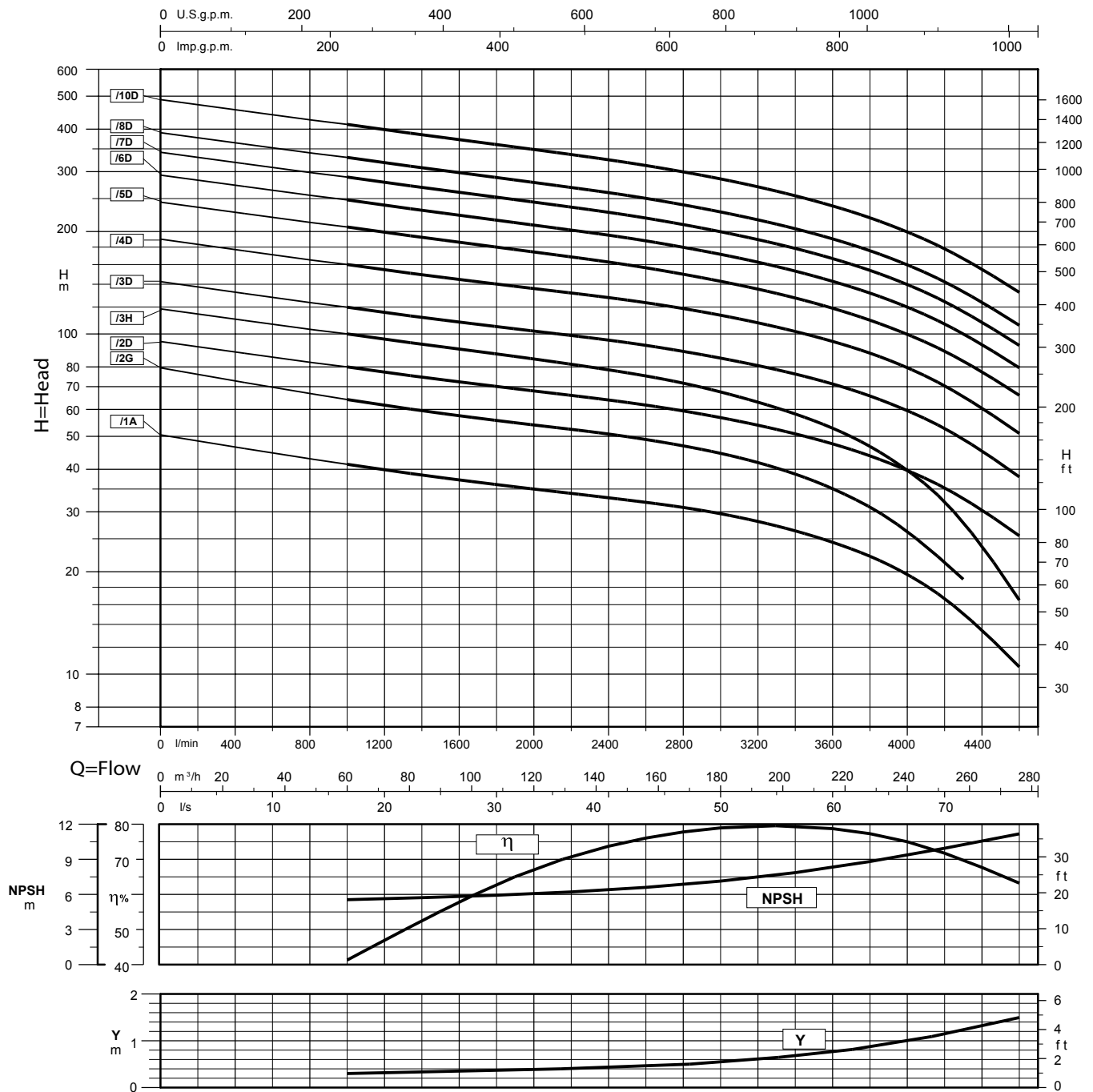
1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data



Outlet flange
Dimensions

10" Cast Iron

FPS-200FT Performance Curve – 50Hz



Notes:

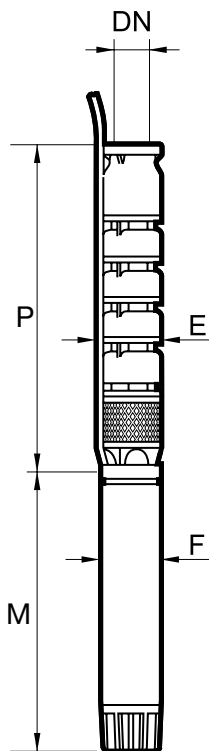
1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss

2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

FPS-200FT

Performance and Dimensional Information

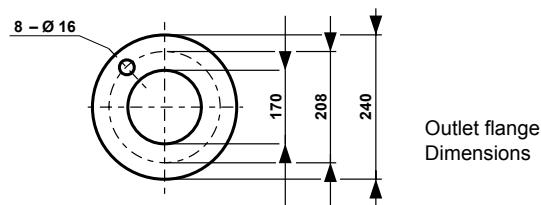
Build No.	kW	HP	l/min	0	1000	1800	2200	2500	2800	3100	3300	3500	3700	4000	4300	4600
				m ³ /h	60	108	132	150	168	186	198	210	222	240	258	276
				l/s	17	30	37	42	47	52	55	58	62	67	72	77
FPS-200FT10-1A-506022	22	30	Head (m)	51	41	36	34	33	31	29	28	26	24	20	16	11
FPS-200FT10-2G-506030	30	40		80	64	56	53	50	47	44	41	38	34	27	19	
FPS-200FT10-2D-508037	37	50		95	80	70	66	63	60	56	53	50	46	40	34	26
FPS-200FT10-3H-508045	45	60		119	100	88	82	77	72	66	61	56	51	41	30	17
FPS-200FT10-3D-508055	55	75		143	119	105	99	95	89	83	79	74	69	60	50	38
FPS-200FT10-4D-508075	75	100		190	159	140	132	126	119	111	105	99	92	81	67	51
FPS-200FT10-5D-508093	93	125		244	206	180	169	160	150	140	132	124	115	101	85	66
FPS-200FT10-6D-510110	110	150		293	247	216	202	192	180	168	159	149	138	121	102	80
FPS-200FT10-7D-510130	130	175		342	288	253	236	224	210	195	185	174	161	141	118	93
FPS-200FT10-8D-510150	150	200		391	329	289	270	256	240	223	211	198	184	161	135	106
FPS-200FT10-10D-510185	185	250		489	412	361	337	320	300	279	264	248	230	201	169	133



Model	P	M	DN	E _{max}	F	Weight (kg)	Order No.
FPS-200FT10-1A	667	*	170	247	142	62	96510200105
FPS-200FT10-2G	847	*	170	247	142	82	96510200110
FPS-200FT10-2D	867	*	170	249	190	87	96510200115
FPS-200FT10-3H	1047	*	170	247	190	108	96510200120
FPS-200FT10-3D	1047	*	170	249	190	108	96510200125
FPS-200FT10-4D	1227	*	170	249	190	130	96510200130
FPS-200FT10-5D	1407	*	170	249	190	151	96510200135
FPS-200FT10-6D	1671	*	170	249	237	185	96510200140
FPS-200FT10-7D	1851	*	170	249	237	208	96510200145
FPS-200FT10-8D	2031	*	170	249	237	229	96510200150
FPS-200FT10-10D	2391	*	170	249	237	271	96510200155

Notes:

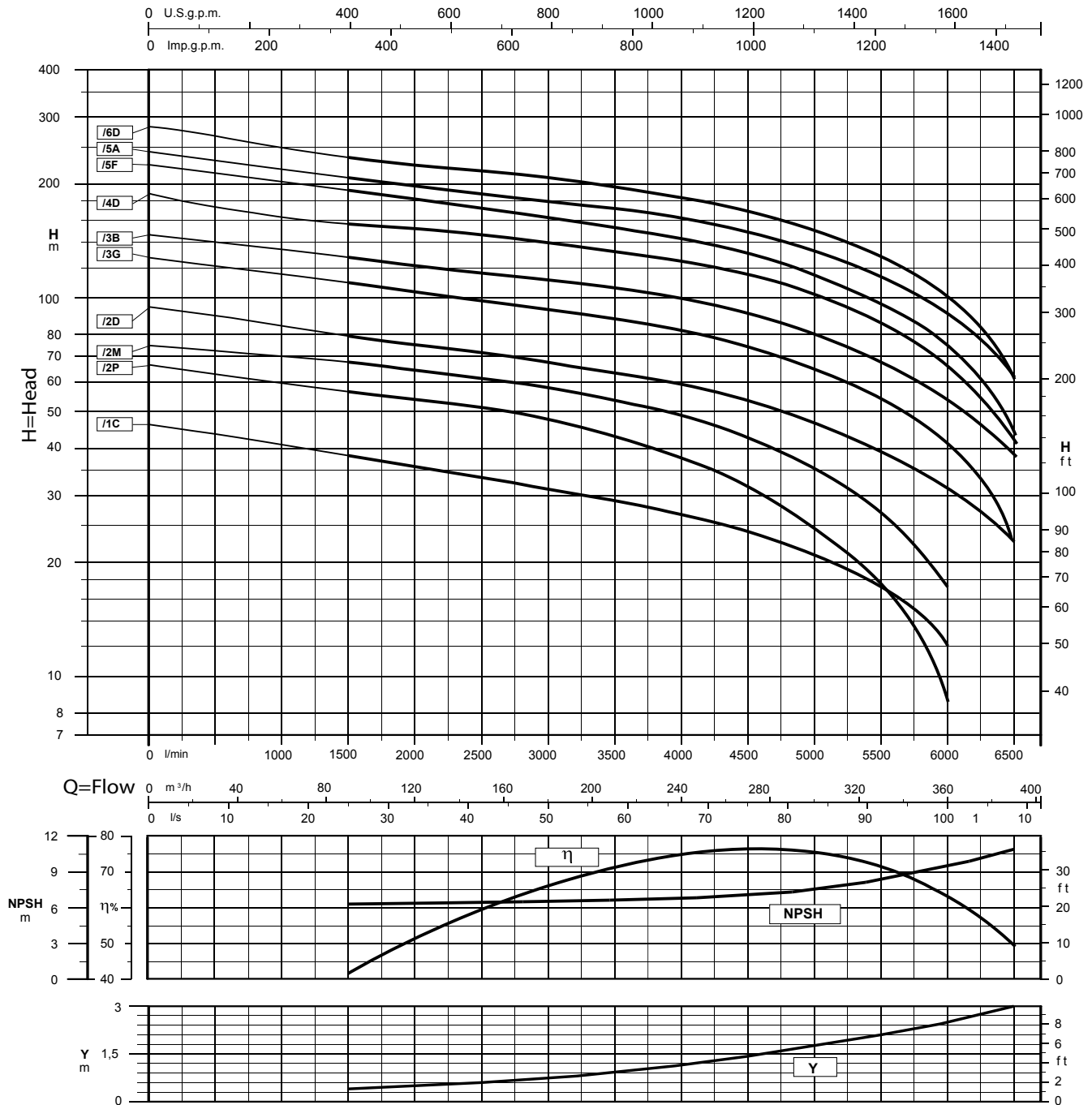
1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data



Outlet flange
Dimensions

10" Cast Iron

FPS-260FT Performance Curve – 50Hz



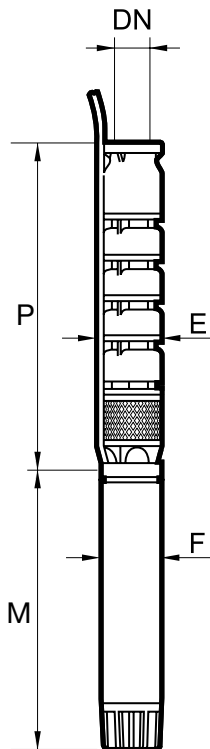
Notes:

- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

FPS-260FT

Performance and Dimensional Information

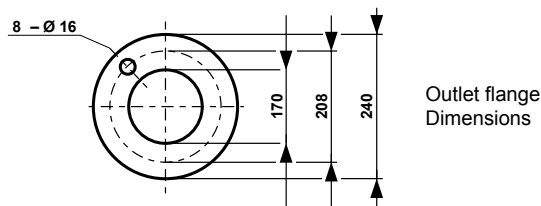
Build No.	kW	HP	l/min	0	1500	2000	2500	3000	3500	4000	4500	4750	5000	5500	6000	6500
				m ³ /h	90	120	135	180	210	240	270	285	300	330	360	390
				l/s	25	33	42	50	58	67	75	79	83	92	100	108
FPS-260FT10-1C-506030	30	40	Head (m)	47	38	36	34	31	30	27	25	23	21	17	12	
FPS-260FT10-2P-508037	37	50		67	57	54	51	47	43	38	32	29	25	18	9	
FPS-260FT10-2M-508045	45	60		75	68	65	61	57	54	49	43	39	35	27	18	
FPS-260FT10-2D-508055	55	75		94	80	75	71	68	64	59	54	50	47	40	32	23
FPS-260FT10-3G-508075	75	100		128	110	104	99	94	89	82	74	70	65	54	41	24
FPS-260FT10-3B-508093	93	125		145	130	124	118	112	106	99	92	86	81	68	56	39
FPS-260FT10-4D-510110	110	150		188	159	151	145	139	132	124	115	109	102	86	68	42
FPS-260FT10-5F-510130	130	175		221	191	181	173	164	154	145	132	124	116	96	71	43
FPS-260FT10-5A-510150	150	200		245	207	198	189	182	173	164	152	145	137	117	93	62
FPS-260FT10-6D-510185	185	250		282	238	227	217	208	198	187	172	163	153	129	102	61



Model	P	M	DN	E _{max}	F	Weight (kg)	Order No.
FPS-260FT10-1C	667	*	170	247	142	61	96510260105
FPS-260FT10-2P	867	*	170	249	190	86	96510260110
FPS-260FT10-2M	867	*	170	247	190	86	96510260115
FPS-260FT10-2D	867	*	170	247	190	87	96510260120
FPS-260FT10-3G	1047	*	170	247	190	108	96510260125
FPS-260FT10-3B	1047	*	170	249	190	109	96510260130
FPS-260FT10-4D	1311	*	170	249	237	130	96510260135
FPS-260FT10-5F	1491	*	170	249	237	151	96510260140
FPS-260FT10-5A	1491	*	170	249	237	151	96510260145
FPS-260FT10-6D	1671	*	170	249	237	185	96510260150

Notes:

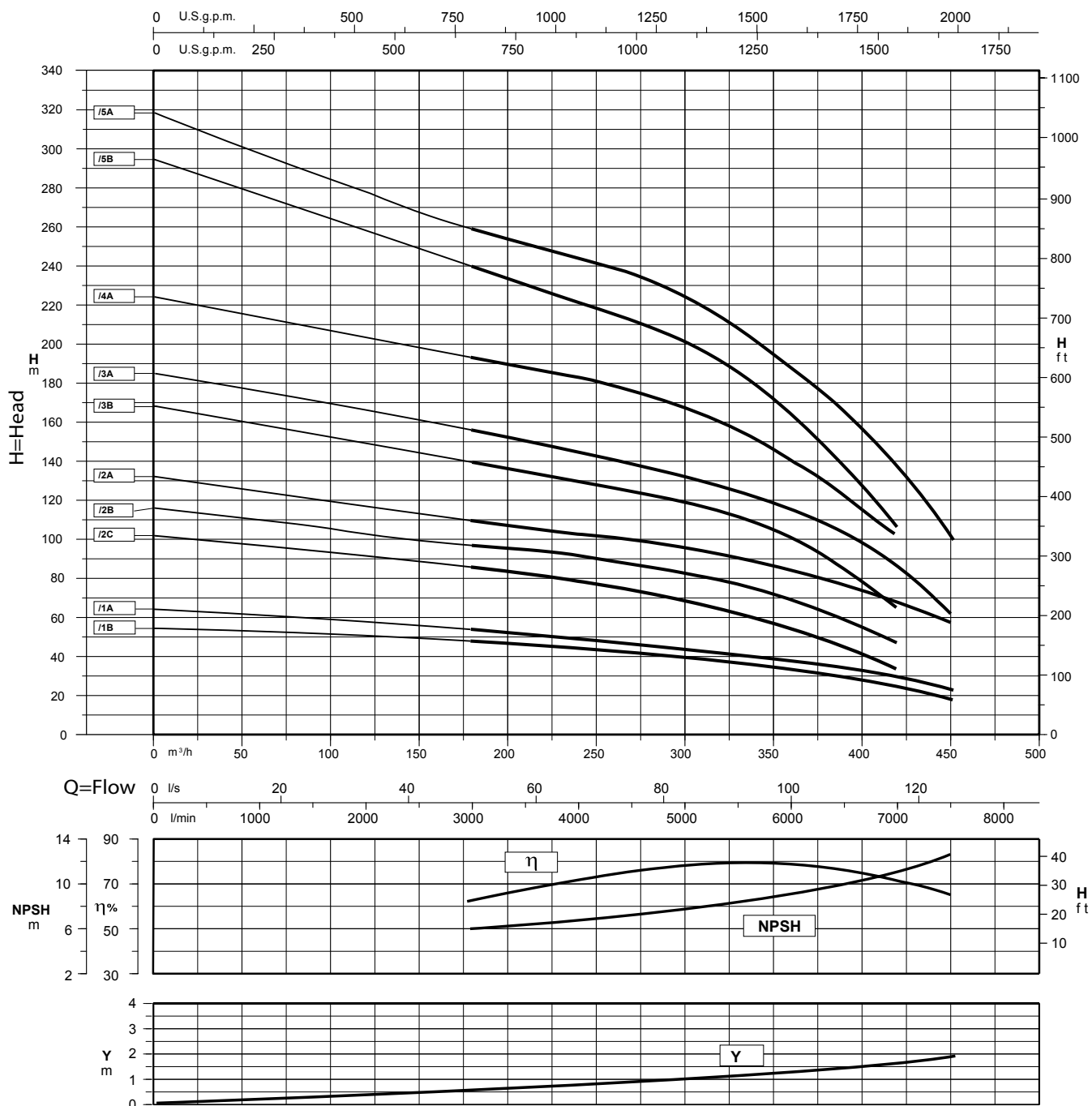
1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data



Outlet flange
Dimensions

12" Cast Iron

FPS-300FT Performance Curve – 50Hz



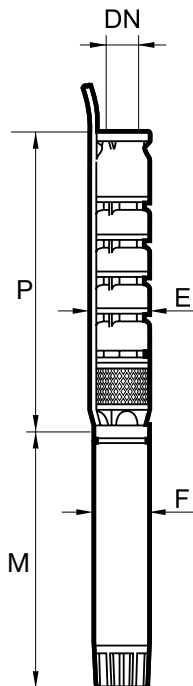
Notes:

- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

FPS-300FT

Performance and Dimensional Information

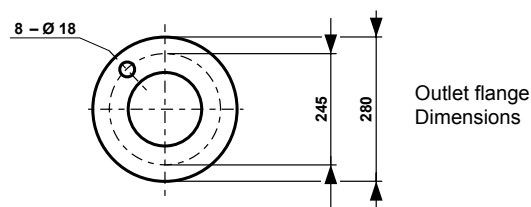
Build No.	kW	HP		l/min	0	3000	3500	4000	4500	4750	5000	5250	5500	6000	6500	7000	7500
				m³/h	0	180	210	240	270	285	300	315	330	360	390	420	450
				l/s	0	50	58	67	75	79	83	88	92	100	108	117	125
FPS-300FT12-1B-508045	45	60	Head (m)	56	46	45	43	42	41	40	38	37	34	30	25	20	
FPS-300FT12-1A-508055	55	75		63	51	50	48	47	46	45	44	43	39	36	31	26	
FPS-300FT12-2C-508075	75	100		101	85	83	79	75	73	70	67	63	54	44	33		
FPS-300FT12-2B-508093	93	125		118	98	95	92	89	87	84	81	78	69	59	47		
FPS-300FT12-2A-510110	110	150		131	108	105	103	100	98	97	95	92	86	78	69	58	
FPS-300FT12-3B-510130	130	175		169	139	134	130	125	122	120	117	112	102	87	65		
FPS-300FT12-3A-510150	150	200		185	154	149	144	140	137	134	131	127	118	105	87	62	
FPS-300FT12-4A-510185	185	250		225	193	188	183	176	172	167	162	156	140	123	102		
FPS-300FT12-5B-512220	220	300		296	238	230	222	214	208	202	193	184	164	138	105		
FPS-300FT12-5A-512250	250	340		320	259	252	245	236	231	225	218	208	188	167	138	100	



Model	P	M	DN	E _{max}	F	Weight (kg)	Order No.
FPS-300FT12-1B	899	*	175	298	190	136	96512300105
FPS-300FT12-1A	899	*	175	298	190	136	96512300110
FPS-300FT12-2C	1099	*	175	298	190	174	96512300115
FPS-300FT12-2B	1099	*	175	298	190	174	96512300120
FPS-300FT12-2A	1124	*	175	298	237	178	96512300125
FPS-300FT12-3B	1324	*	175	298	237	217	96512300130
FPS-300FT12-3A	1324	*	175	298	237	217	96512300135
FPS-300FT12-4A	1524	*	175	298	237	255	96512300140
FPS-300FT12-5B	1724	*	175	298	286	294	96512300145
FPS-300FT12-5A	1724	*	175	298	286	294	96512300150

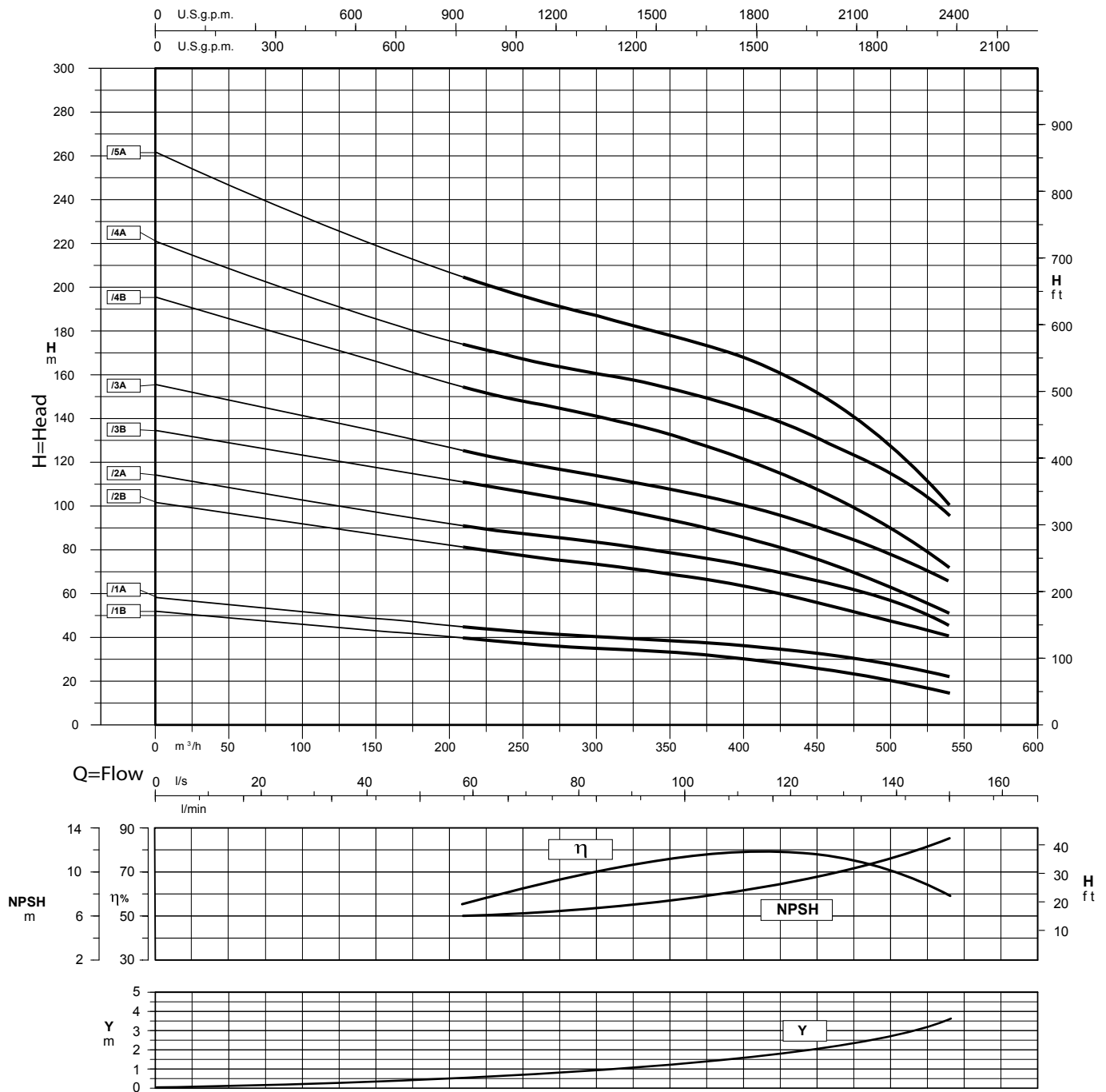
Notes:

1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data



12" Cast Iron

FPS-400FT Performance Curve – 50Hz



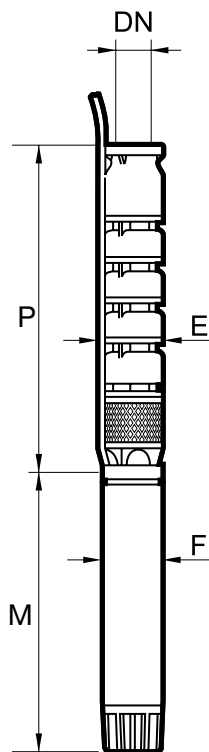
Notes:

- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

FPS-400FT

Performance and Dimensional Information

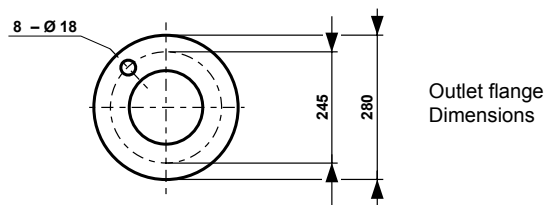
Build No.	kW	HP	l/min m³/h l/s	0	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000
				0	210	240	270	300	330	360	390	420	450	480	510	540
				0	58	67	75	83	92	100	108	117	125	133	142	150
FPS-400FT12-1B-508045	45	60	Head (m)	52	40	38	37	35	34	33	31	29	26	23	19	14
FPS-400FT12-1A-508055	55	75		59	45	43	42	40	39	38	37	35	33	30	27	22
FPS-400FT12-2B-508093	93	125		102	81	78	76	73	71	68	65	61	56	52	46	41
FPS-400FT12-2A-510110	110	150		115	91	88	86	83	81	78	75	71	66	61	54	46
FPS-400FT12-3B-510130	130	175		134	111	108	104	101	97	93	88	82	76	68	60	51
FPS-400FT12-3A-510150	150	200		157	124	121	117	114	110	107	103	97	91	84	76	67
FPS-400FT12-4B-510185	185	250		196	154	150	145	141	136	130	124	117	108	97	86	72
FPS-400FT12-4A-512220	220	300		221	174	169	165	161	157	152	147	140	131	122	111	96
FPS-400FT12-5A-512250	250	340		261	204	198	193	187	182	177	171	162	152	139	122	100



Model	P	M	DN	E max	F	Weight (kg)	Order No.
FPS-400FT12-1B	899	*	175	298	190	134	96512400105
FPS-400FT12-1A	899	*	175	298	190	134	96512400110
FPS-400FT12-2B	1099	*	175	298	190	170	96512400115
FPS-400FT12-2A	1124	*	175	298	237	174	96512400120
FPS-400FT12-3B	1324	*	175	298	237	211	96512400125
FPS-400FT12-3A	1324	*	175	298	237	211	96512400130
FPS-400FT12-4B	1524	*	175	298	237	247	96512400135
FPS-400FT12-4A	1524	*	175	298	286	247	96512400140
FPS-400FT12-5A	1724	*	175	298	286	284	96512400145

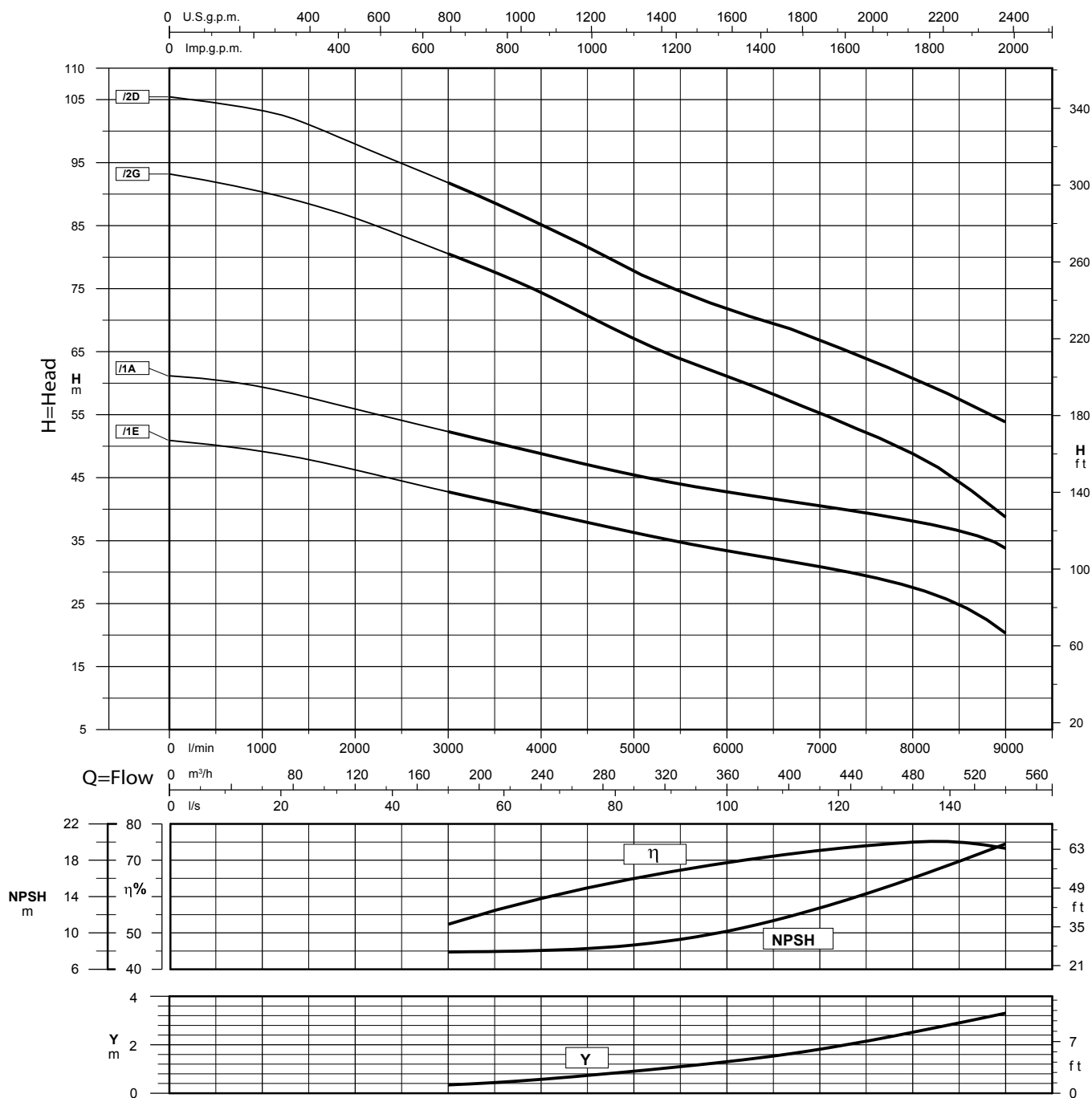
Notes:

1. Dimensions in millimetres
2. Refer to Franklin motor brochure for data



14" Cast Iron

FPS-440FT Performance Curve – 50Hz



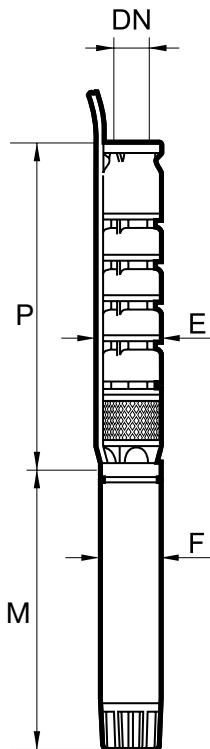
Notes:

- 1 = η Pump Efficiency, NPSH (metres), Y = Non return valve loss
- 2 = Curves based on density of 1000 kg/m³, viscosity of 1mm²/s, Temperature at 20°C

FPS-440FT

Performance and Dimensional Information

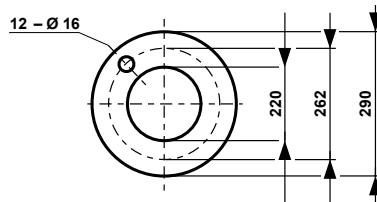
Build No.	kW	HP		l/min	0	3000	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000
				m ³ /h	0	180	240	270	300	330	360	390	420	450	480	510	540
				l/s	0	50	67	75	83	92	100	108	117	125	133	142	150
FPS-440FT14-1E-508055	55	75	Head (m)	51	43	40	38	36	35	33	32	31	29	28	25	20	
FPS-440FT14-1A-508075	75	100		61	52	49	47	45	44	43	42	41	40	39	37	34	
FPS-440FT14-2G-510093	93	125		93	81	75	71	67	64	61	58	55	53	50	45	39	
FPS-440FT14-2D-510110	110	150		106	92	85	82	78	75	72	69	67	64	61	58	54	



Model	P	M	DN	E max	F	Weight (kg)	Order No.
FPS-440FT14-1E	893	*	220	310	190	97	96514440105
FPS-440FT14-1A	893	*	220	310	190	97	96514440110
FPS-440FT14-2G	1118	*	220	310	237	128	96514440115
FPS-440FT14-2D	1118	*	220	310	237	132	96514440120

Notes:

- Dimensions in millimetres
- Refer to Franklin motor brochure for data



Outlet flange
Dimensions

Notes

FPS *STSseries*

6" 50 Hz Submersible Turbine Pumps



Franklin Electric

Submersible Turbine Pumps

STS Series

Performance Data:

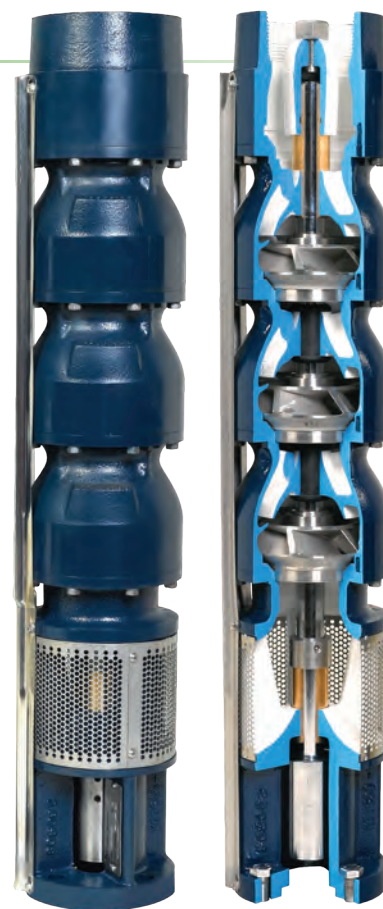
Discharge Size: 4" BSPP
Capacity: 20 to 90 m³/h @ BEP
HP: 3.7 kW to 37 kW
Head: Up to 300 m

Applications:

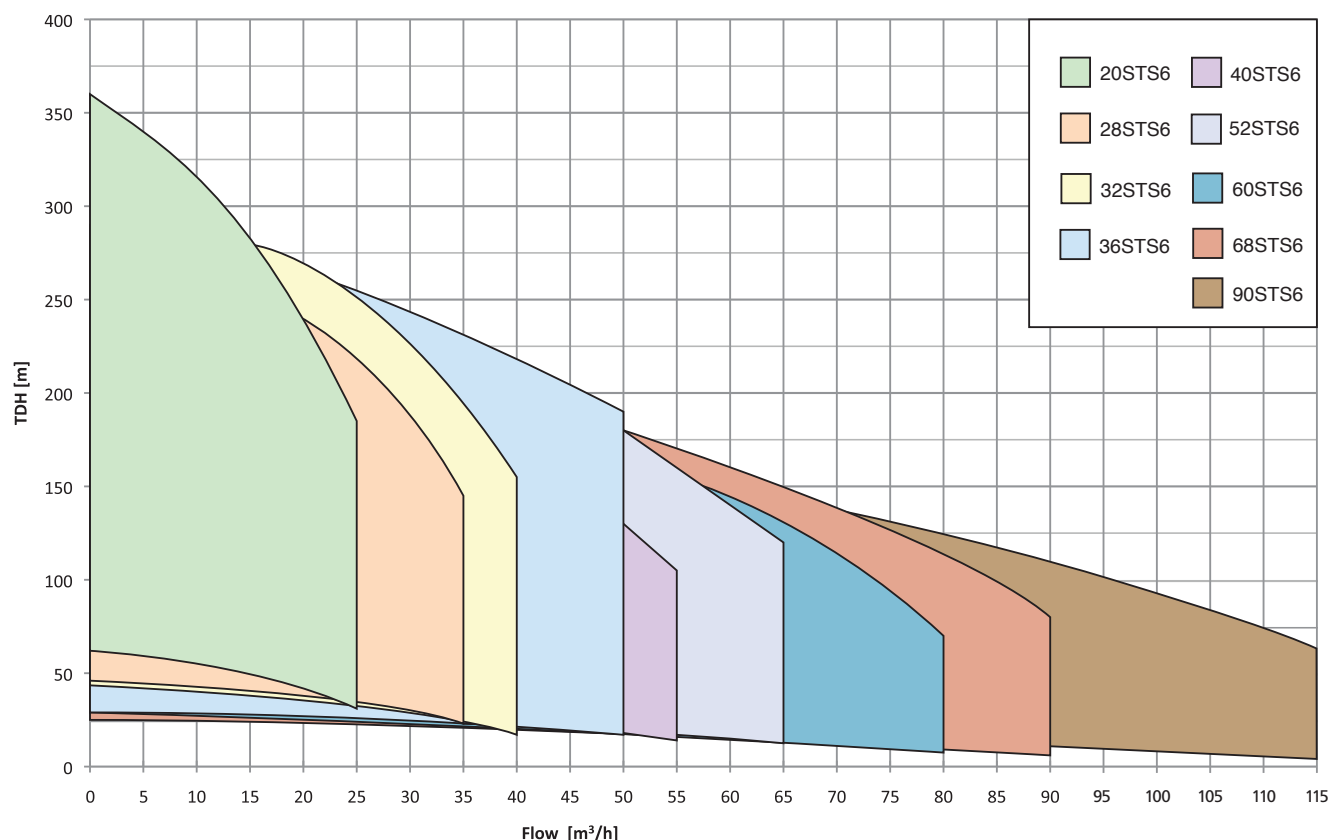
- Irrigation
- Agricultural
- Industrial
- Municipal
- Commercial

Features:

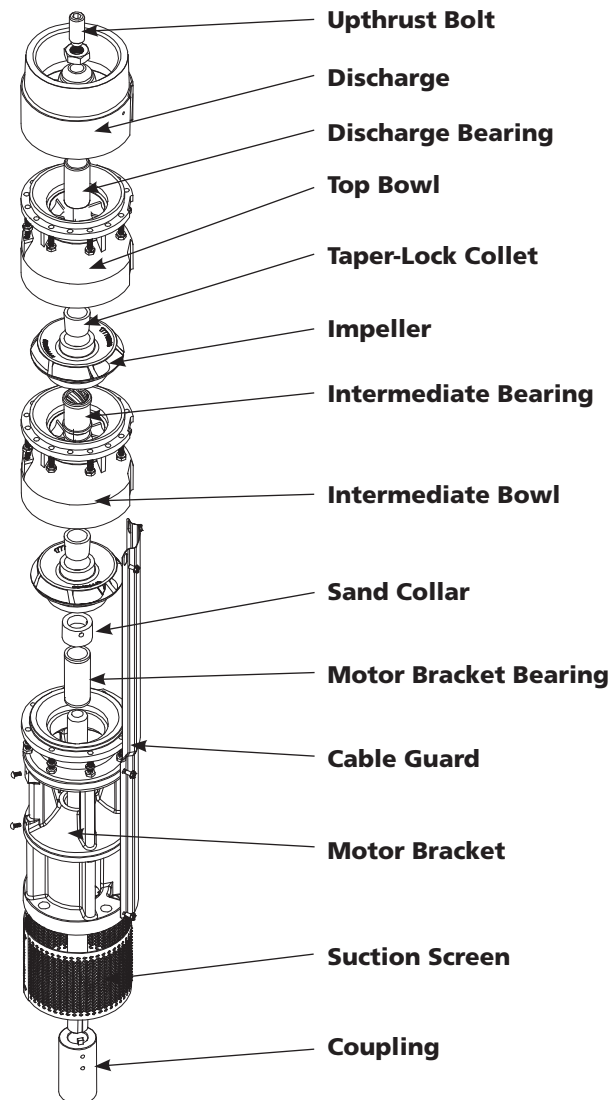
- Premium ductile iron casting for longer life and higher pressures
- Long copper bismuth discharge and motor bracket bearings for increased pump life
- Spiral cutlass rubber intermediate bearings designed for harsh environments
- 416 stainless steel pump shaft ground and polished for maximum durability
- Investment cast stainless steel impellers for maximum abrasion resistance
- Custom bearing and shaft configurations available



6" STS 50 Hz Family Curve



STS Series



Upthrust Bolt

Protects pump during momentary upthrust at start-up (factory set).

Discharge

Heavy duty casting with threaded connection, supports grease packed extra long discharge bearing.

Bolting, Fasteners, Cable Guard

Stainless steel for strength and corrosion resistance.

Intermediate Bowl

Heavy duty casting, flanged, supports intermediate bowl bearing for reliable long life. Note: Standard bowl depicted in diagram and requires 8 bowl bolts. Nine or more stage submersible turbines require XP bowls with 14 bowl bolts.

Impeller

Enclosed design to optimize efficiency, precision machined collet is designed to ensure locking of impeller to shaft, impeller is single plane dynamic balanced as standard.

Pump Shaft

Minimum 100,000 psi tensile for maximum strength and corrosion resistance, ground and polished for a smooth bearing surface.

Motor Bracket

Heavy duty casting precision machined to ensure positive motor alignment, contoured for smooth flow entrance, supports standard stainless steel sand collar.

Suction Screen

Stainless steel design is non collapsible and corrosion resistant.

Materials of Construction

Part Name	Common Material Name	Material Spec Number
Discharge Bracket	Ductile Iron	ASTM A536 65-45-12
Top Bowl	Ductile Iron	ASTM A536 65-45-12
Intermediate Bowl	Ductile Iron	ASTM A536 65-45-12
Bearings, Disch. & Suction	Bronze	ASTM 8584 C89835
Impeller	304 Stainless Steel	ASTM A743/A743M CF8
Pump Shaft	416 Stainless Steel	ASTM A582 S41600
Suction Bracket	Ductile Iron	ASTM A536 65-45-12
Bowl Bearing	Rubber	Rubber
Sand Collar	300 Stainless Steel	ASTM A666
Suction Screen	302 Stainless Steel	ASTM A240 S30200
Cable Guard	300 Stainless Steel	ASTM A666
Shaft Coupling	416 Stainless Steel	ASTM A582 S41600
Upthrust Bolt	300 Stainless Steel	ASTM A666
Taper Lock	416 Stainless Steel	ASTM A582 S41600
Bolting	300 Stainless Steel	ASTM A666

Note: Bowl bearing and shaft options available. Refer to catalog for available options.

FPS



50 Hz 8" STS SERIES

Submersible Turbine Pumps



Franklin Electric

FEATURES

- Premium ductile iron casting for longer life and higher pressures
- Longer discharge and motor bracket bearings for increased pump life
- Spiral cutlass rubber intermediate bearings designed for abrasive environments
- 416 stainless steel pump shaft ground and polished for maximum durability
- Investment cast stainless steel impellers for maximum abrasion resistance
- Custom pumps available

SPECIFICATIONS

- 8" – 42, 52, 66, 85, 105, 141, 190 m³/h

MODEL NO. EXPLANATION

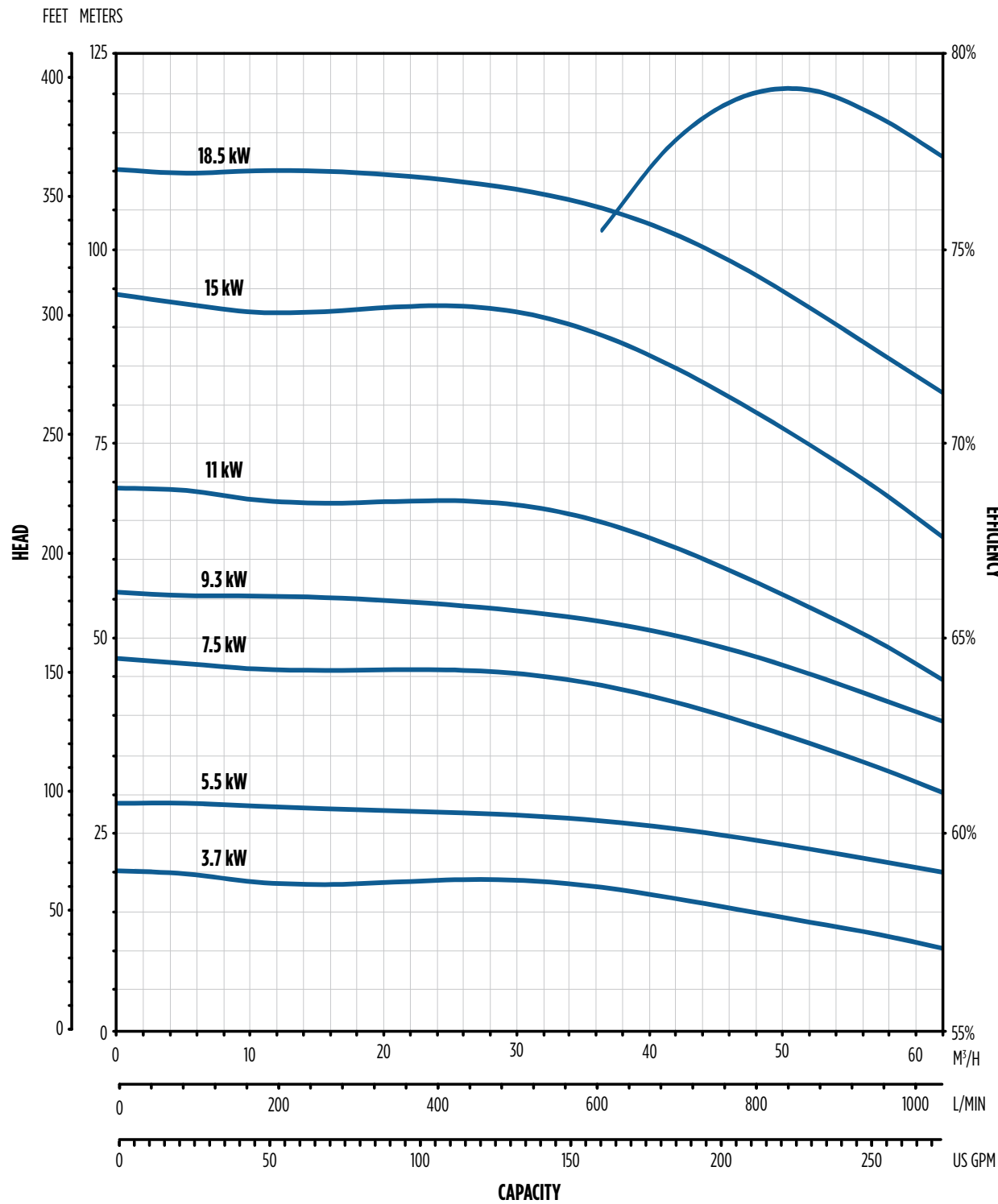
Example: 105STS18D8X-0566

- 105= Flow series m³/h
- STS = Series (Sub Turbine)
- 18 = Motor kW (18.5)
- D = Ductile iron
- 8 = Pump diameter (8")
- X = Impeller trim configuration
- 05 = Number of stages
- 6 = Motor size (6")
- 6 = Discharge size (6")

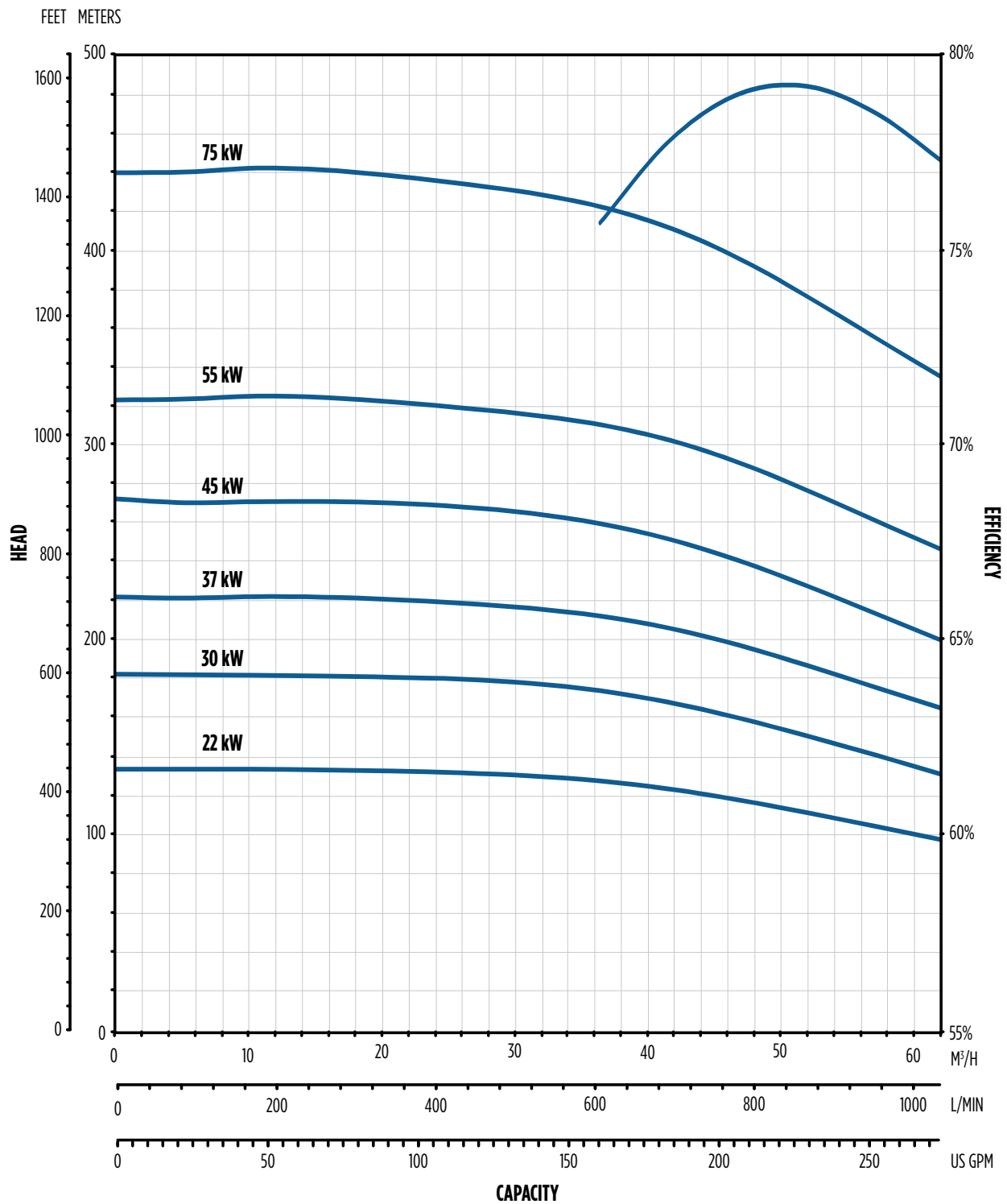


50 Hz 62STS SERIES Submersible Turbine Pumps

PERFORMANCE CURVES - 8" 52 M³/H



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm

50 Hz 52STS SERIES Submersible Turbine Pumps

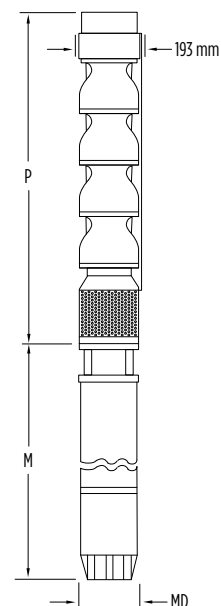
PERFORMANCE CURVES - 8" 52 M³/H

DIMENSIONS

kW	Stages	Trim	Motor Size	Dimensions [mm]			Motor Wt. [kg]	Pump Wt. [kg]
				P	M*	D*		
3.7	1	1C	6"	605	582	138	39	43.1
5.5	1	1A	6"	605	615	138	44.9	43.1
7.5	2	1B, 1C	6"	745	645	138	46.7	55.3
9.3	2	1A, 1B	6"	745	678	138	49.3	55.3
11	3	1A, 2C	6"	885	711	138	51.7	68
15	4	2B, 2C	6"	1025	777	138	57.2	80.3
18.5	4	2A, 2B	6"	1025	841	138	63.5	80.3
22	5	4A, 1C	6"	1165	907	138	69.9	92.5
30	7	5A, 2C	6"	1445	1036	138	82.6	105.2
30	7	4A, 3C	8"	1480	925	196	124.3	115.2
37	8	5A, 3B	6"	1585	1405	138	119.3	129.7
37	8	8B	8"	1620	1001	196	140.2	140.2
45	10	3A, 7B	6"	1865	1557	138	132	142
45	10	7A, 3C	8"	1900	1069	196	156	152.4
55	11	10A, 1B	8"	2040	1204	196	181	177.4
75	15	13A, 2B	8"	2600	1394	196	218.2	226.8

*MD diameter = Franklin Electric Motor, M = Maximum Length of Franklin Electric Motor

24



ORDERING

kW	Stages	Trim	Motor	Discharge	Order No.	Model No.	Ship Wt. [kg]
3.7	1	1C	6"	4" BSPP	97080052001	52STS3D8C5-0164	50.3
3.7	1	1C	6"	6" BSPP	97080052101	52STS3D8C5-0166	50.3
5.5	1	1A	6"	4" BSPP	97080052201	52STS5D8A5-0164	50.3
5.5	1	1A	6"	6" BSPP	97080052301	52STS5D8A5-0166	50.3
7.5	2	1B, 1C	6"	4" BSPP	97080052002	52STS7D8X5-0264	63.5
7.5	2	1B, 1C	6"	6" BSPP	97080052102	52STS7D8X5-0266	63.5
9.3	2	1A, 1B	6"	4" BSPP	97080052202	52STS9D8X5-0264	63.5
9.3	2	1A, 1B	6"	6" BSPP	97080052302	52STS9D8X5-0266	63.5
11	3	1A, 2C	6"	4" BSPP	97080052003	52STS11D8X5-0364	77.6
11	3	1A, 2C	6"	6" BSPP	97080052103	52STS11D8X5-0366	77.6
15	4	2B, 2C	6"	4" BSPP	97080052004	52STS15D8X5-0464	77.6
15	4	2B, 2C	6"	6" BSPP	97080052104	52STS15D8X5-0466	77.6
18.5	4	2A, 2B	6"	4" BSPP	97080052204	52STS18D8X5-0464	89.8
18.5	4	2A, 2B	6"	6" BSPP	97080052304	52STS18D8X5-0466	89.8
22	5	4A, 1C	6"	4" BSPP	97080052005	52STS22D8X5-0564	103.4
22	5	4A, 1C	6"	6" BSPP	97080052105	52STS22D8X5-0566	103.4
30	7	5A, 2C	6"	4" BSPP	97080052007	52STS30D8X5-0764	117.9
30	7	5A, 2C	6"	6" BSPP	97080052107	52STS30D8X5-0766	117.9
30	7	4A, 3C	8"	4" BSPP	97080052807	52STS30D8X5-0784	127.9
30	7	4A, 3C	8"	6" BSPP	97080052907	52STS30D8X5-0786	127.9
37	8	5A, 3B	6"	4" BSPP	97080052008	52STS37D8X5-0864	159.2
37	8	5A, 3B	6"	6" BSPP	97080052108	52STS37D8X5-0866	159.2
37	8	8B	8"	4" BSPP	97080052808	52STS37D8B5-0884	169.6
37	8	8B	8"	6" BSPP	97080052908	52STS37D8B5-0886	169.6
45	10	3A, 7B	6"	4" BSPP	97080052010	52STS45D8X5-1064	171.5
45	10	3A, 7B	6"	6" BSPP	97080052110	52STS45D8X5-1066	171.5
45	10	7A, 3C	8"	4" BSPP	97080052810	52STS45D8X5-1084	181.9
45	10	7A, 3C	8"	6" BSPP	97080052910	52STS45D8X5-1086	181.9
55	11	10A, 1B	8"	4" BSPP	97080052811	52STS55D8X5-1184	212.3
55	11	10A, 1B	8"	6" BSPP	97080052911	52STS55D8X5-1186	212.3
75	15	13A, 2B	8"	4" BSPP	97080052815	52STS75D8X5-1584	272.6
75	15	13A, 2B	8"	6" BSPP	97080052915	52STS75D8X5-1586	272.6

SPECS

Minimum Well I.D.	203 mm / 8"
Minimum Submergence Above Inlet	3 m / 10'
Discharge	4" or 6" BSPP

Note: Refer to Franklin Electric AIM data for motor cooling requirements.

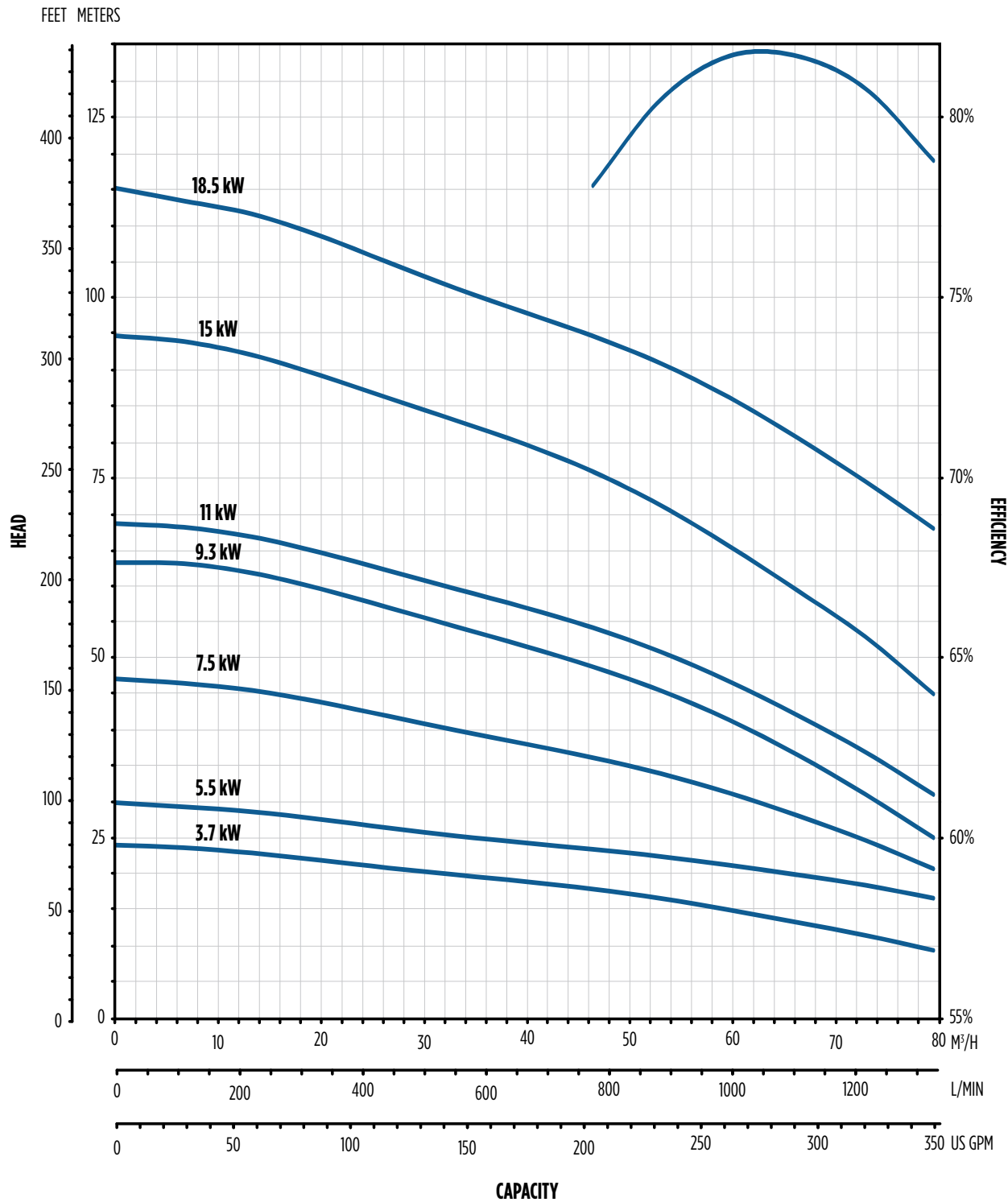
MATERIALS

Part	Material	Specification No.
Discharge Bracket	Ductile Iron	ASTM A536 65-45-12
Top Bowl	Ductile Iron	ASTM A536 65-45-12
Intermediate Bowl	Ductile Iron	ASTM A536 65-45-12
Bearings, Disch. & Suction	Bronze	ASTM B584 C89835
Impeller	304 Stainless Steel	ASTM A743/A743M CF8
Pump Shaft	416 Stainless Steel	ASTM A582 S41600
Suction Bracket	Ductile Iron	ASTM A536 65-45-12
Bowl Bearing	Rubber	Rubber
Sand Collar	300 Stainless Steel	ASTM A666
Suction Screen	302 Stainless Steel	ASTM A240 S30200
Cable Guard	300 Stainless Steel	ASTM A666
Shaft Coupling	416 Stainless Steel	ASTM A582 S41600
Upthrust Bolt	300 Stainless Steel	ASTM A666
Taper Lock	416 Stainless Steel	ASTM A582 S41600
Bolting	300 Stainless Steel	ASTM A666

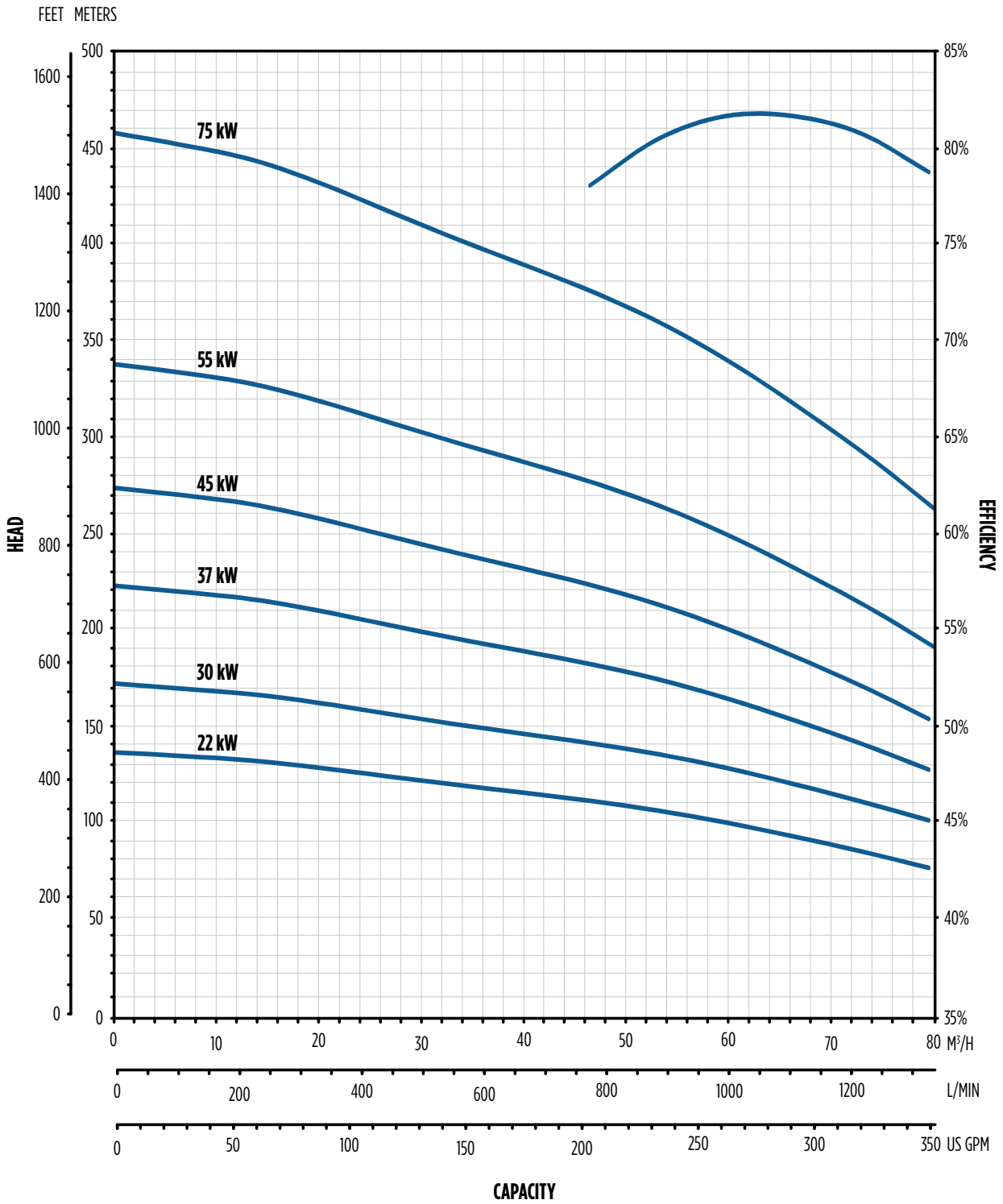
Note: Contact customer service for available bowl bearing and shaft options.

50 Hz 66STS SERIES Submersible Turbine Pumps

PERFORMANCE CURVES - 8" 66 M³/H



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm

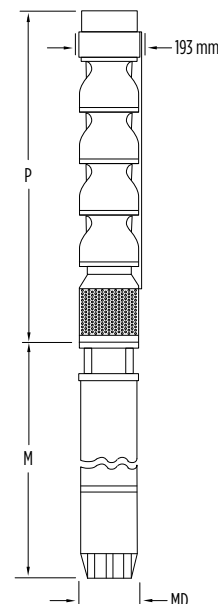
50 Hz 66STS SERIES Submersible Turbine Pumps

INFORMATION - 8" 66 M³/H

DIMENSIONS

kW	Stages	Trim	Motor	Dimensions [mm]			Motor Wt. [kg]	Pump Wt. [kg]
				P	M*	MD*		
3.7	1	1B	6"	627	582	138	39	42.6
5.5	1	1A	6"	627	615	138	44.9	42.6
7.5	2	1A, 1C	6"	789	645	138	46.7	56.2
9.3	3	1A, 2C	6"	951	678	138	49.3	69.9
11	3	1A, 1B, 1C	6"	951	711	138	51.7	69.9
15	4	1A, 3B	6"	1113	777	138	57.2	83.5
18.5	4	4A	6"	1113	841	138	63.5	83.5
22	5	4A, 1B	6"	1275	907	138	69.9	96.6
30	6	6A	6"	1437	1036	138	82.6	110.2
30	6	6A	8"	1472	925	196	124.3	121.1
37	8	7A, 1B	6"	1761	1405	138	119.3	137
37	8	6A, 2B	8"	1796	1001	196	140.2	147.9
45	10	8A, 2B	6"	2085	1557	138	132	164.2
45	10	7A, 3B	8"	2120	1069	196	156	174.6
55	12	9A, 3B	8"	2444	1204	196	181	201.8
75	16	13A, 3B	8"	3092	1394	196	218.2	241.8

*MD diameter = Franklin Electric Motor, M = Maximum Length of Franklin Electric Motor



ORDERING

kW	Stages	Trim	Motor	Discharge	Order No.	Model No.	Ship Wt. [kg]
3.7	1	1B	6"	4" BSPP	97080066001	66STS3D8B5-0164	49.9
3.7	1	1B	6"	6" BSPP	97080066101	66STS3D8B5-0166	49.9
5.5	1	1A	6"	4" BSPP	97080066201	66STS5D8A5-0164	49.9
5.5	1	1A	6"	6" BSPP	97080066301	66STS5D8A5-0166	49.9
7.5	2	1A, 1C	6"	4" BSPP	97080066002	66STS7D8X5-0264	64.4
7.5	2	1A, 1C	6"	6" BSPP	97080066102	66STS7D8X5-0266	64.4
9.3	3	1A, 2C	6"	4" BSPP	97080066203	66STS9D8X5-0364	79.4
9.3	3	1A, 2C	6"	6" BSPP	97080066303	66STS9D8X5-0366	79.4
11	3	1A, 1B, 1C	6"	4" BSPP	97080066003	66STS11D8X5-0364	79.4
11	3	1A, 1B, 1C	6"	6" BSPP	97080066103	66STS11D8X5-0366	79.4
15	4	1A, 3B	6"	4" BSPP	97080066004	66STS15D8X5-0364	94.3
15	4	1A, 3B	6"	6" BSPP	97080066104	66STS15D8X5-0366	94.3
18.5	4	4A	6"	4" BSPP	97080066204	66STS18D8A5-0464	94.3
18.5	4	4A	6"	6" BSPP	97080066304	66STS18D8A5-0466	94.3
22	5	4A, 1B	6"	4" BSPP	97080066005	66STS22D8X5-0564	109.3
22	5	4A, 1B	6"	6" BSPP	97080066105	66STS22D8X5-0566	109.3
30	6	6A	6"	4" BSPP	97080066006	66STS30D8A5-0664	122.9
30	6	6A	6"	6" BSPP	97080066106	66STS30D8A5-0666	122.9
30	6	6A	8"	4" BSPP	97080066806	66STS30D8A5-0684	133.8
30	6	6A	8"	6" BSPP	97080066906	66STS30D8A5-0686	133.8
37	8	7A, 1B	6"	4" BSPP	97080066008	66STS37D8X5-0864	151
37	8	7A, 1B	6"	6" BSPP	97080066108	66STS37D8X5-0866	151
37	8	6A, 2B	8"	4" BSPP	97080066808	66STS37D8X5-0884	161.9
37	8	6A, 2B	8"	6" BSPP	97080066908	66STS37D8X5-0886	161.9
45	10	8A, 2B	6"	4" BSPP	97080066010	66STS45D8X5-1064	185.5
45	10	8A, 2B	6"	6" BSPP	97080066110	66STS45D8X5-1066	185.5
45	10	7A, 3B	8"	4" BSPP	97080066810	66STS45D8X5-1084	196.4
45	10	7A, 3B	8"	6" BSPP	97080066910	66STS45D8X5-1086	196.4
55	12	9A, 3B	8"	4" BSPP	97080066812	66STS55D8X5-1284	228.6
55	12	9A, 3B	8"	6" BSPP	97080066912	66STS55D8X5-1286	228.6
75	16	13A, 3B	8"	4" BSPP	97080066816	66STS75D8X5-1684	290.8
75	16	13A, 3B	8"	6" BSPP	97080066916	66STS75D8X5-1686	290.8

SPECS

Minimum Well I.D.	203 mm / 8"
Minimum Submergence Above Inlet	3 m / 10'
Discharge	4" or 6" BSPP

Note: Refer to Franklin Electric AIM data for motor cooling requirements.

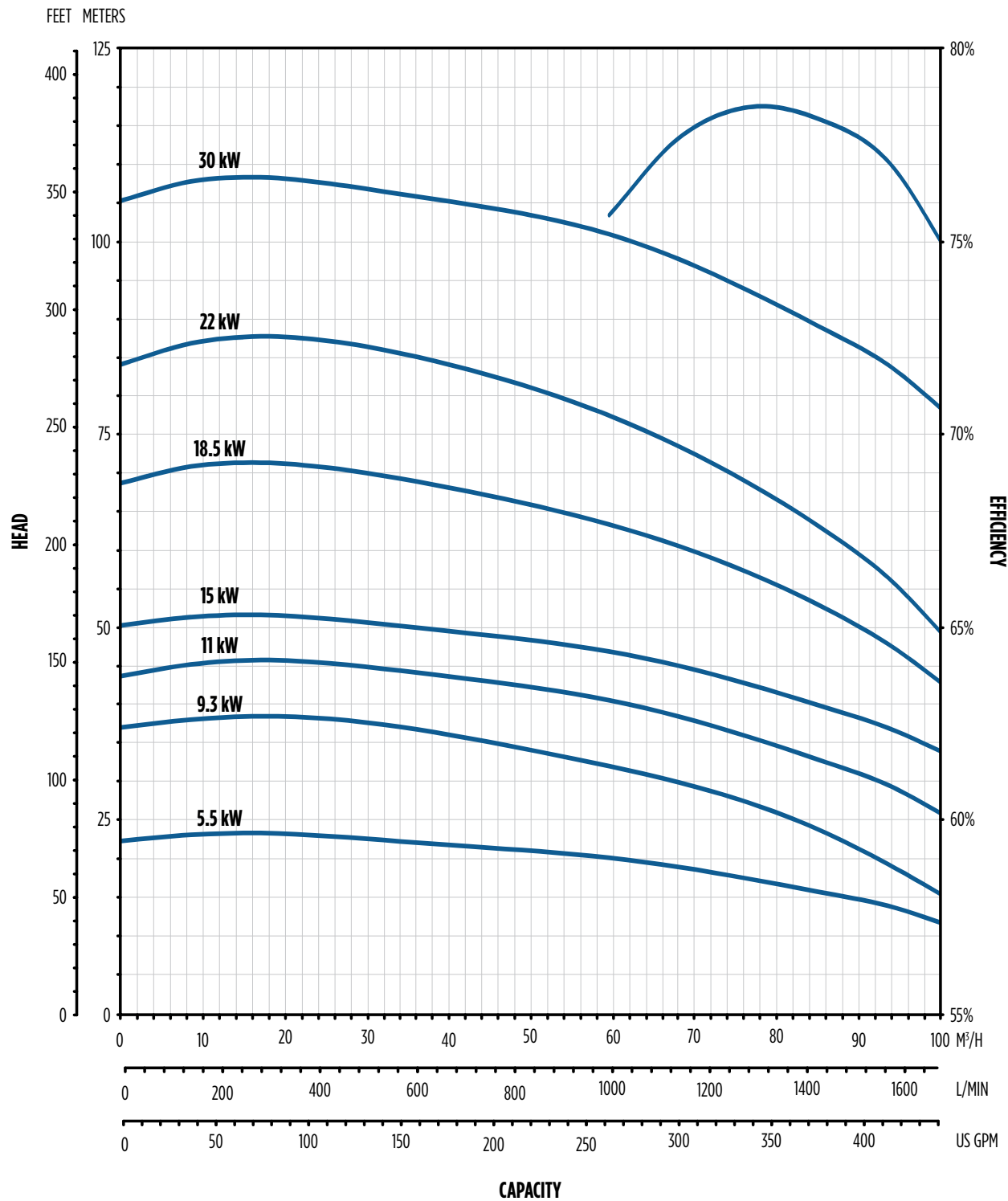
MATERIALS

Part	Material	Specification No.
Discharge Bracket	Ductile Iron	ASTM A536 65-45-12
Top Bowl	Ductile Iron	ASTM A536 65-45-12
Intermediate Bowl	Ductile Iron	ASTM A536 65-45-12
Bearings, Disch. & Suction	Bronze	ASTM B584 C89835
Impeller	304 Stainless Steel	ASTM A743/A743M CF8
Pump Shaft	416 Stainless Steel	ASTM A582 S41600
Suction Bracket	Ductile Iron	ASTM A536 65-45-12
Bowl Bearing	Rubber	Rubber
Sand Collar	300 Stainless Steel	ASTM A666
Suction Screen	302 Stainless Steel	ASTM A240 S30200
Cable Guard	300 Stainless Steel	ASTM A666
Shaft Coupling	416 Stainless Steel	ASTM A582 S41600
Upthrust Bolt	300 Stainless Steel	ASTM A666
Taper Lock	416 Stainless Steel	ASTM A582 S41600
Bolting	300 Stainless Steel	ASTM A666

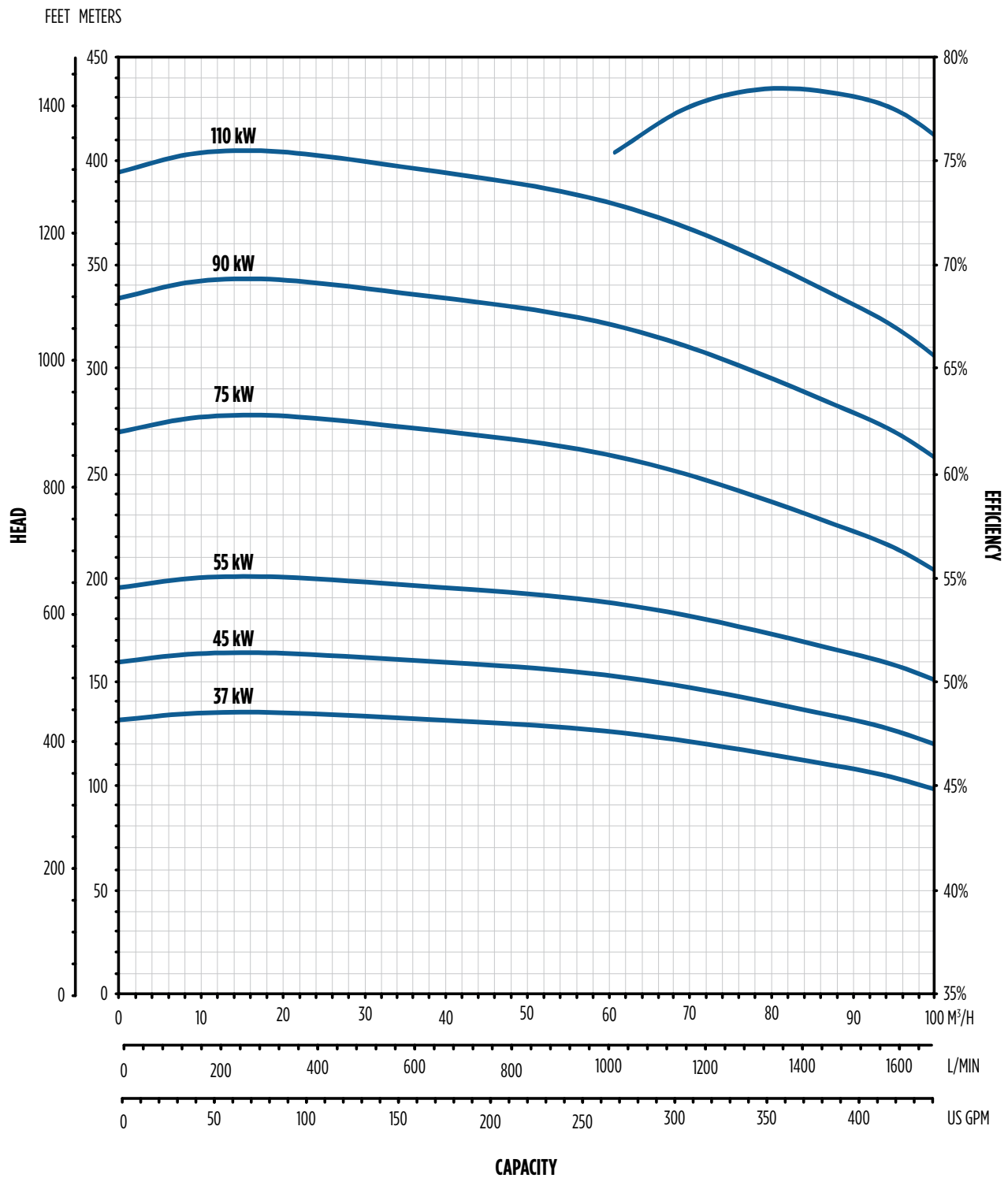
Note: Contact customer service for available bowl bearing and shaft options.

50 Hz 85STS SERIES Submersible Turbine Pumps

PERFORMANCE CURVES - 8" 85 M³/H



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm

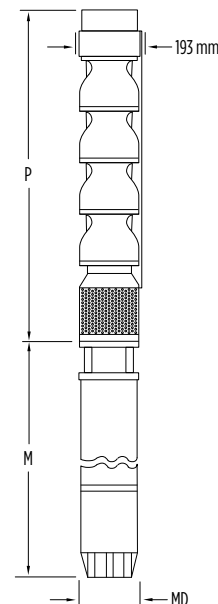
50 Hz 85STS SERIES Submersible Turbine Pumps

INFORMATION - 8" 85 M³/H

DIMENSIONS

kW	Stages	Trim	Motor	Dimensions [mm]			Motor Wt. [kg]	Pump Wt. [kg]
				P	M*	MD*		
5.5	1	1B	6"	627	615	138	44.9	42.6
9.3	2	2C	6"	789	678	138	49.3	56.2
11	2	2B	6"	789	711	138	51.7	56.2
15	2	1A, 1B	6"	789	777	138	57.2	56.2
18.5	3	1A, 1B, 1C	6"	951	841	138	63.5	69.9
22	4	3B, 1C	6"	1113	907	138	69.9	83.5
30	4	3A, 1B	6"	1113	1036	138	82.6	83.5
30	4	3A, 1B	8"	1148	925	196	124.3	94.3
37	5	4A, 1B	6"	1275	1405	138	119.3	96.6
37	5	4A, 1C	8"	1310	1001	196	140.2	108
45	6	5A, 1B	6"	1437	1557	138	132	110.2
45	6	5A, 1C	8"	1472	1069	196	156	121.1
55	7	6A, 1B	8"	1634	1204	196	181	134.7
75	10	7A, 3B	8"	2120	1394	196	218.2	161.5
93	12	10A, 2B	8"	2444	1748	196	291.9	188.2
110	14	13A, 1C	8"	2768	1204	196	340	239

*MD diameter = Franklin Electric Motor, M = Maximum Length of Franklin Electric Motor



ORDERING

kW	Stages	Trim	Motor	Discharge	Order No.	Model No.	Ship Wt. [kg]
5.5	1	1B	6"	4" BSPP	97080085001	85STS5D8B5-0164	49.9
5.5	1	1B	6"	6" BSPP	97080085101	85STS5D8B5-0166	49.9
9.3	2	2C	6"	4" BSPP	97080085002	85STS9D8C5-0264	64.4
9.3	2	2C	6"	6" BSPP	97080085102	85STS9D8C5-0266	64.4
11	2	2B	6"	4" BSPP	97080085202	85STS11D8B5-0264	64.4
11	2	2B	6"	6" BSPP	97080085302	85STS11D8B5-0266	64.4
15	2	1A, 1B	6"	4" BSPP	97080085402	85STS15D8X5-0264	64.4
15	2	1A, 1B	6"	6" BSPP	97080085502	85STS15D8X5-0266	64.4
18.5	3	1A, 1B, 1C	6"	4" BSPP	97080085003	85STS18D8X5-0364	79.4
18.5	3	1A, 1B, 1C	6"	6" BSPP	97080085103	85STS18D8X5-0366	79.4
22	4	3B, 1C	6"	4" BSPP	97080085004	85STS22D8X5-0464	79.4
22	4	3B, 1C	6"	6" BSPP	97080085104	85STS22D8X5-0466	79.4
30	4	3A, 1B	6"	4" BSPP	97080085204	85STS30D8X5-0464	94.3
30	4	3A, 1B	6"	6" BSPP	97080085304	85STS30D8X5-0466	94.3
30	4	3A, 1B	8"	4" BSPP	97080085804	85STS30D8X5-0484	105.2
30	4	3A, 1B	8"	6" BSPP	97080085904	85STS30D8X5-0486	105.2
37	5	4A, 1B	6"	4" BSPP	97080085005	85STS37D8X5-0564	109.3
37	5	4A, 1B	6"	6" BSPP	97080085105	85STS37D8X5-0566	109.3
37	5	4A, 1C	8"	4" BSPP	97080085805	85STS37D8X5-0584	120.7
37	5	4A, 1C	8"	6" BSPP	97080085905	85STS37D8X5-0586	120.7
45	6	5A, 1B	6"	4" BSPP	97080085006	85STS45D8X5-0664	122.9
45	6	5A, 1B	6"	6" BSPP	97080085106	85STS45D8X5-0666	122.9
45	6	5A, 1C	8"	4" BSPP	97080085806	85STS45D8X5-0684	133.8
45	6	5A, 1C	8"	6" BSPP	97080085906	85STS45D8X5-0686	133.8
55	7	6A, 1B	8"	4" BSPP	97080085807	85STS55D8X5-0784	148.8
55	7	6A, 1B	8"	6" BSPP	97080085907	85STS55D8X5-0786	148.8
75	10	7A, 3B	8"	4" BSPP	97080085810	85STS75D8X5-1084	196.4
75	10	7A, 3B	8"	6" BSPP	97080085910	85STS75D8X5-1086	196.4
93	12	10A, 2B	8"	4" BSPP	97080085812	85STS90D8X5-1284	228.6
93	12	10A, 2B	8"	6" BSPP	97080085912	85STS90D8X5-1286	228.6
110	14	13A, 1C	8"	4" BSPP	97080085814	85STS110D8X5-1484	284.9
110	14	13A, 1C	8"	6" BSPP	97080085914	85STS110D8X5-1486	284.9

SPECS

Minimum Well I.D.	203 mm / 8"
Minimum Submergence Above Inlet	3 m / 10'
Discharge	4" or 6" BSPP

Note: Refer to Franklin Electric AIM data for motor cooling requirements.

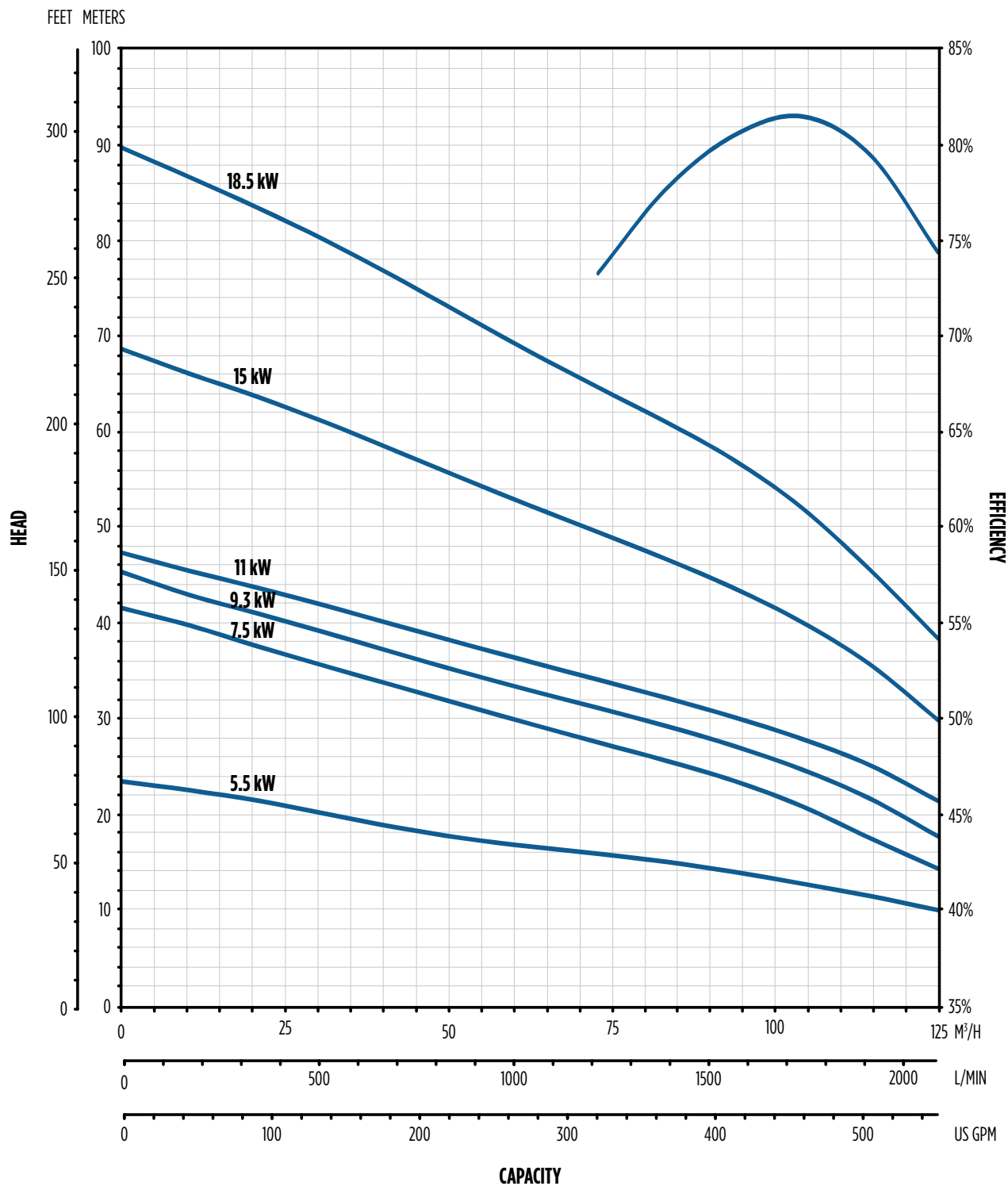
MATERIALS

Part Name	Material	Specification No.
Discharge Bracket	Ductile Iron	ASTM A536 65-45-12
Top Bowl	Ductile Iron	ASTM A536 65-45-12
Intermediate Bowl	Ductile Iron	ASTM A536 65-45-12
Bearings, Disch. & Suction	Bronze	ASTM B584 C89835
Impeller	304 Stainless Steel	ASTM A743/A743M CF8
Pump Shaft	416 Stainless Steel	ASTM A582 S41600
Suction Bracket	Ductile Iron	ASTM A536 65-45-12
Bowl Bearing	Rubber	Rubber
Sand Collar	300 Stainless Steel	ASTM A666
Suction Screen	302 Stainless Steel	ASTM A240 S30200
Cable Guard	300 Stainless Steel	ASTM A666
Shaft Coupling	416 Stainless Steel	ASTM A582 S41600
Upthrust Bolt	300 Stainless Steel	ASTM A666
Taper Lock	416 Stainless Steel	ASTM A582 S41600
Bolting	300 Stainless Steel	ASTM A666

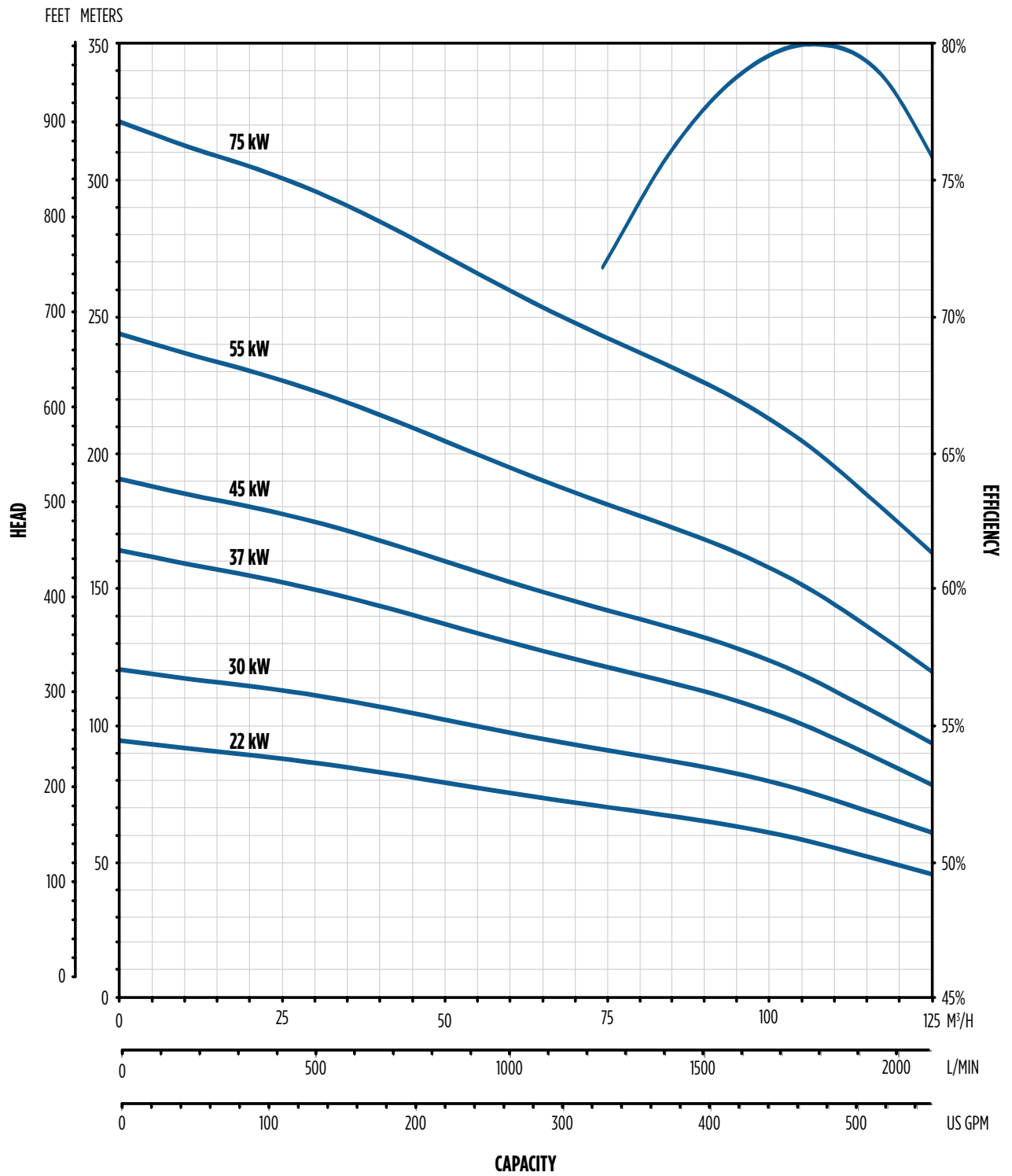
Note: Contact customer service for available bowl bearing and shaft options.

50 Hz 105STS SERIES Submersible Turbine Pumps

PERFORMANCE CURVES - 8" 105 M³/H



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm

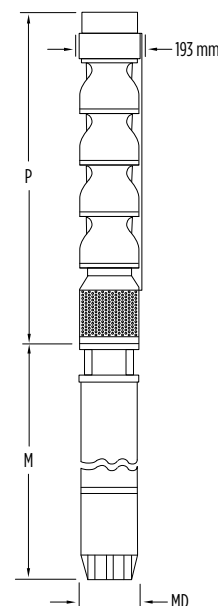
50 Hz 105STS SERIES Submersible Turbine Pumps

INFORMATION - 8" 105 M³/H

DIMENSIONS

kW	Stages	Trim	Motor	Dimensions [mm]			Motor Wt. [kg]	Pump Wt. [kg]
				P	M*	MD*		
5.5	1	1B	6"	645	615	138	44.9	43.1
7.5	2	2C	6"	825	645	138	46.7	56.7
9.3	2	2B	6"	825	678	138	49.3	56.7
11	2	1A, 1B	6"	825	711	138	51.7	56.7
15	3	1A, 2B	6"	1005	777	138	57.2	70.3
18.5	4	1A, 3B	6"	1185	841	138	63.5	83.9
22	4	3A, 1B	6"	1185	907	138	69.9	83.9
30	5	5A	6"	1365	1036	138	82.6	97.5
30	5	5A	8"	1400	925	196	124.3	108.9
37	7	5A, 2B	6"	1725	1405	138	119.3	124.7
37	7	4A 3B	8"	1760	1001	196	140.2	136.1
45	8	7A 1B	6"	1905	1557	138	132	138.3
45	8	6A, 2B	8"	1940	1069	196	156	150.1
55	10	7A, 3B	8"	2300	1204	196	181	177.4
75	13	12A, 1C	8"	2840	1394	196	218.2	218.6

*MD diameter = Franklin Electric Motor, M = Maximum Length of Franklin Electric Motor



ORDERING

kW	Stages	Trim	Motor	Discharge	Order No.	Model No.	Ship Wt. [kg]
5.5	1	1B	6"	4" BSPP	97080105001	105STS5D8B5-0164	50.3
5.5	1	1B	6"	6" BSPP	97080105101	105STS5D8B5-0166	50.3
7.5	2	2C	6"	4" BSPP	97080105002	105STS7D8C5-0264	64.9
7.5	2	2C	6"	6" BSPP	97080105102	105STS7D8C5-0266	64.9
9.3	2	2B	6"	4" BSPP	97080105202	105STS9D8B5-0264	64.9
9.3	2	2B	6"	6" BSPP	97080105302	105STS9D8B5-0266	64.9
11	2	1A, 1B	6"	4" BSPP	97080105402	105STS11D8A5-0264	64.9
11	2	1A, 1B	6"	6" BSPP	97080105502	105STS11D8A5-0266	64.9
15	3	1A, 2B	6"	4" BSPP	97080105003	105STS15D8X5-0364	79.8
15	3	1A, 2B	6"	6" BSPP	97080105103	105STS15D8X5-0366	79.8
18.5	4	1A, 3B	6"	4" BSPP	97080105203	105STS18D8X5-0464	94.8
18.5	4	1A, 3B	6"	6" BSPP	97080105303	105STS18D8X5-0466	94.8
22	4	3A, 1B	6"	4" BSPP	97080105004	105STS22D8X5-0464	110.2
22	4	3A, 1B	6"	6" BSPP	97080105104	105STS22D8X5-0466	110.2
30	5	5A	6"	4" BSPP	97080105005	105STS30D8A5-0564	125.2
30	5	5A	6"	6" BSPP	97080105105	105STS30D8A5-0566	125.2
30	5	5A	8"	4" BSPP	97080105805	105STS30D8A5-0584	136.5
30	5	5A	8"	6" BSPP	97080105905	105STS30D8A5-0586	136.5
37	7	5A, 2B	6"	4" BSPP	97080105007	105STS37D8X5-0764	138.8
37	7	5A, 2B	6"	6" BSPP	97080105107	105STS37D8X5-0766	138.8
37	7	4A 3B	8"	4" BSPP	97080105807	105STS37D8X5-0784	150.1
37	7	4A 3B	8"	6" BSPP	97080105907	105STS37D8X5-0786	150.1
45	8	7A 1B	6"	4" BSPP	97080105008	105STS45D8X5-0864	173.7
45	8	7A 1B	6"	6" BSPP	97080105108	105STS45D8X5-0866	173.7
45	8	6A, 2B	8"	4" BSPP	97080105808	105STS45D8X5-0884	185.1
45	8	6A, 2B	8"	6" BSPP	97080105908	105STS45D8X5-0886	185.1
55	10	7A, 3B	8"	4" BSPP	97080105810	105STS55D8X5-1084	217.7
55	10	7A, 3B	8"	6" BSPP	97080105910	105STS55D8X5-1086	217.7
75	13	12A, 1C	8"	4" BSPP	97080105813	105STS75D8X5-1384	264.4
75	13	12A, 1C	8"	6" BSPP	97080105913	105STS75D8X5-1386	264.4

SPECS

Minimum Well I.D.	203 mm / 8"
Minimum Submergence Above Inlet	3 m / 10'
Discharge	4" or 6" BSPP

Note: Refer to Franklin Electric AIM data for motor cooling requirements.

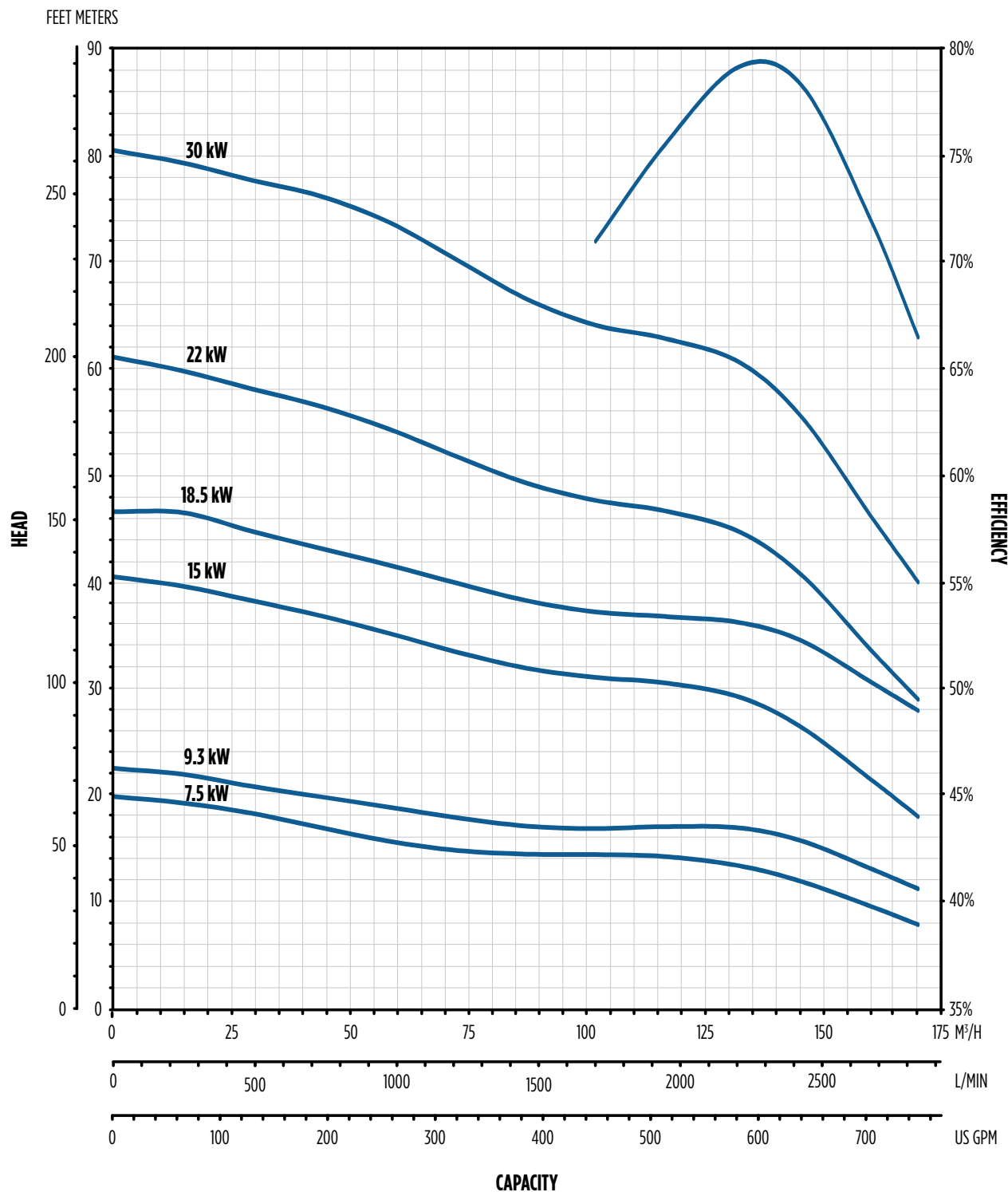
MATERIALS

Part Name	Material	Specification No.
Discharge Bracket	Ductile Iron	ASTM A536 65-45-12
Top Bowl	Ductile Iron	ASTM A536 65-45-12
Intermediate Bowl	Ductile Iron	ASTM A536 65-45-12
Bearings, Disch. & Suction	Bronze	ASTM 8584 C89835
Impeller	304 Stainless Steel	ASTM A743/A743M CF8
Pump Shaft	416 Stainless Steel	ASTM A582 S41600
Suction Bracket	Ductile Iron	ASTM A536 65-45-12
Bowl Bearing	Rubber	Rubber
Sand Collar	300 Stainless Steel	ASTM A666
Suction Screen	302 Stainless Steel	ASTM A240 S30200
Cable Guard	300 Stainless Steel	ASTM A666
Shaft Coupling	416 Stainless Steel	ASTM A582 S41600
Upthrust Bolt	300 Stainless Steel	ASTM A666
Taper Lock	416 Stainless Steel	ASTM A582 S41600
Bolting	300 Stainless Steel	ASTM A666

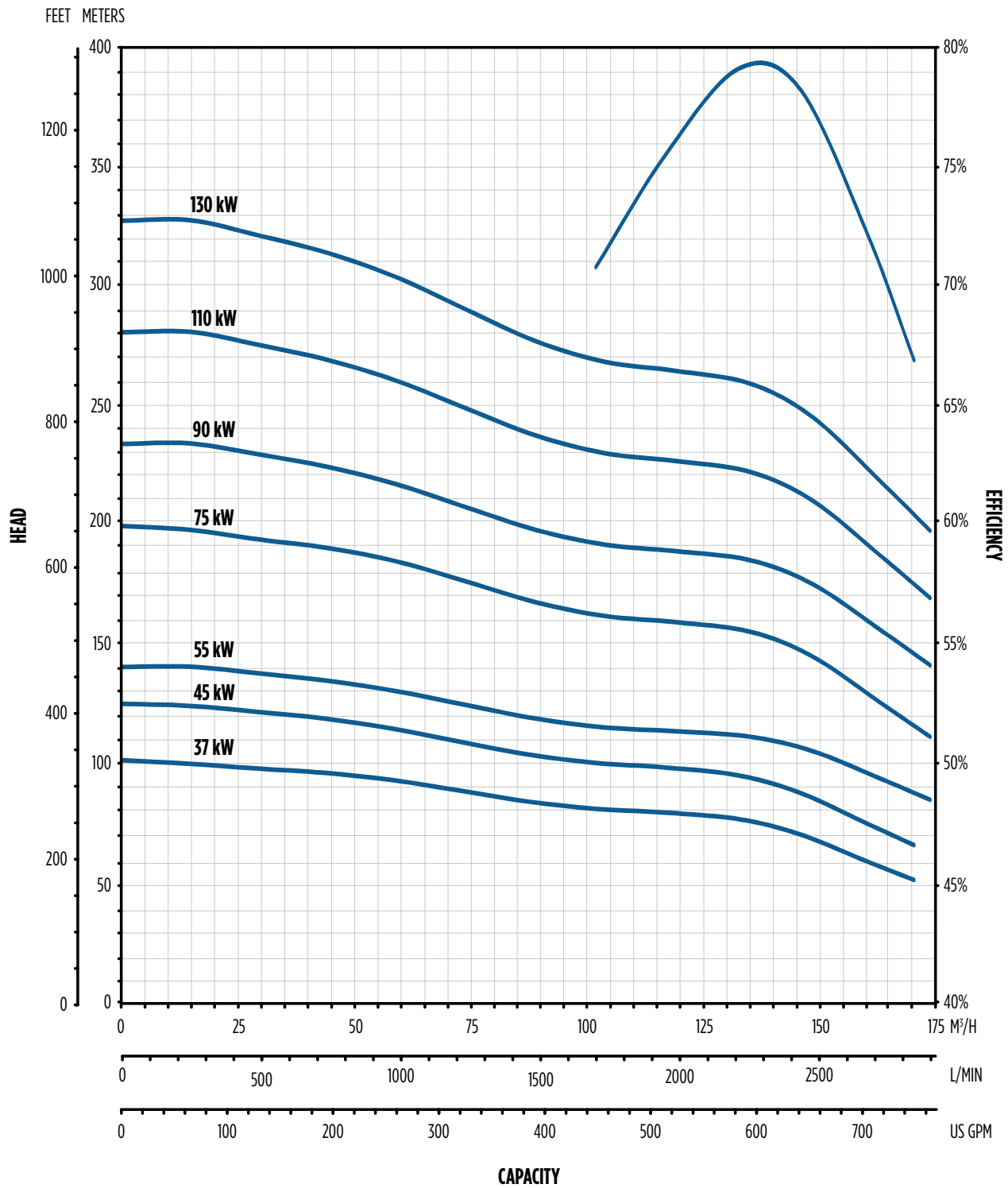
Note: Contact customer service for available bowl bearing and shaft options.

50 Hz 141STS SERIES Submersible Turbine Pumps

PERFORMANCE CURVES - 8" 141 M³/H



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm

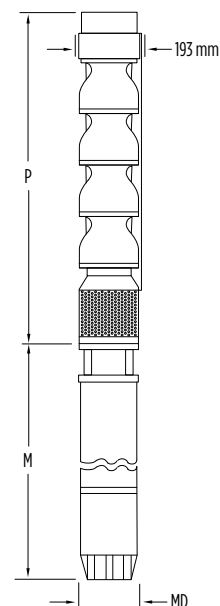
50 Hz 141STS SERIES Submersible Turbine Pumps

INFORMATION - 8" 141 M³/H

DIMENSIONS

kW	Stages	Trim	Motor	Dimensions [mm]			Motor Wt. [kg]	Pump Wt. [kg]
				P	M*	MD*		
7.5	1	1C	6"	645	645	138	46.7	43.1
9.3	1	1B	6"	645	678	138	49.3	43.1
15	2	1B, 1C	6"	825	777	138	57.2	56.7
18.5	2	2A	6"	825	841	138	63.5	56.7
22	3	2B, 1C	6"	1005	907	138	69.9	70.3
30	4	3B, 1C	6"	1185	1036	138	82.6	83.9
30	4	3B, 1C	8"	1220	925	196	124.3	94.8
37	5	4B, 1C	6"	1365	1405	138	119.3	98.4
37	5	1A, 2B, 2C	8"	1400	1001	196	140.2	109.3
45	6	3A, 1B, 2C	6"	1545	1557	138	132.0	98.4
45	6	1A, 3B, 2C	8"	1580	1069	196	156.0	109.3
55	6	6A	8"	1580	1204	196	181.0	123.4
75	9	3A, 6B	8"	2120	1394	196	218.2	164.7
93	10	10A	8"	2300	1748	196	291.9	178.7
110	12	12A	8"	2660	1976	196	340	205
130	14	14A	8"	3020	2179	196	375.2	232.7

*MD diameter = Franklin Electric Motor, M = Maximum Length of Franklin Electric Motor



ORDERING

kW	Stages	Trim	Motor	Discharge	Order No.	Model No.	Ship Wt. [kg]
7.5	1	1C	6"	6" BSPP	97080141101	141STS7D8C5-0166	50.3
9.3	1	1B	6"	6" BSPP	97080141301	141STS9D8B5-0166	50.3
15	2	1B, 1C	6"	6" BSPP	97080141102	141STS15D8X5-0266	65.3
18.5	2	2A	6"	6" BSPP	97080141302	141STS18D8A5-0266	65.3
22	3	2B, 1C	6"	6" BSPP	97080141103	141STS22D8X5-0366	80.3
30	4	3B, 1C	6"	6" BSPP	97080141104	141STS30D8X5-0466	95.7
30	4	3B, 1C	8"	6" BSPP	97080141904	141STS30D8X5-0486	106.1
37	5	4B, 1C	6"	6" BSPP	97080141105	141STS37D8X5-0566	111.1
37	5	1A, 2B, 2C	8"	6" BSPP	97080141905	141STS37D8X5-0586	122
45	6	3A, 1B, 2C	6"	6" BSPP	97080141106	141STS45D8X5-0666	111.1
45	6	1A, 3B, 2C	8"	6" BSPP	97080141706	141STS45D8X5-0686	122
55	6	6A	8"	6" BSPP	97080141906	141STS55D8A5-0686	137.4
75	9	3A, 6B	8"	6" BSPP	97080141909	141STS75D8X5-0986	199.6
93	10	10A	8"	6" BSPP	97080141910	141STS90D8A5-1086	219.1
110	12	12A	8"	6" BSPP	97080141912	141STS110D8A5-1286	248
130	14	14A	8"	6" BSPP	97080141914	141STS130D8A5-1486	279

SPECS

Minimum Well I.D.	203 mm / 8"
Minimum Submergence Above Inlet	3 m / 10'
Discharge	4" or 6" BSPP

Note: Refer to Franklin Electric AIM data for motor cooling requirements.

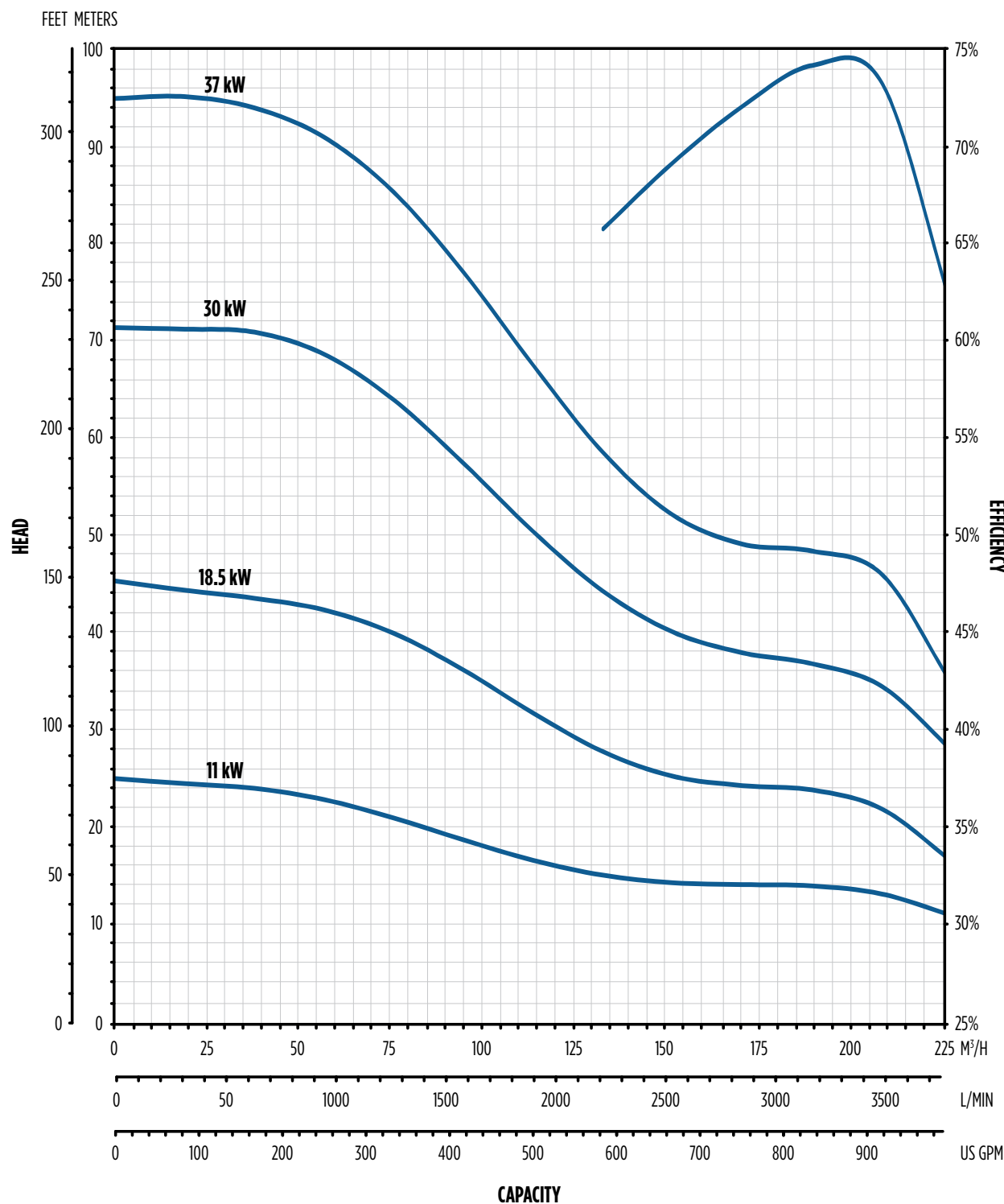
MATERIALS

Part	Material	Specification No.
Discharge Bracket	Ductile Iron	ASTM A536 65-45-12
Top Bowl	Ductile Iron	ASTM A536 65-45-12
Intermediate Bowl	Ductile Iron	ASTM A536 65-45-12
Bearings, Disch. & Suction	Bronze	ASTM 8584 C89835
Impeller	304 Stainless Steel	ASTM A743/A743M CF8
Pump Shaft	416 Stainless Steel	ASTM A582 S41600
Suction Bracket	Ductile Iron	ASTM A536 65-45-12
Bowl Bearing	Rubber	Rubber
Sand Collar	300 Stainless Steel	ASTM A666
Suction Screen	302 Stainless Steel	ASTM A240 S30200
Cable Guard	300 Stainless Steel	ASTM A666
Shaft Coupling	416 Stainless Steel	ASTM A582 S41600
Upthrust Bolt	300 Stainless Steel	ASTM A666
Taper Lock	416 Stainless Steel	ASTM A582 S41600
Bolting	300 Stainless Steel	ASTM A666

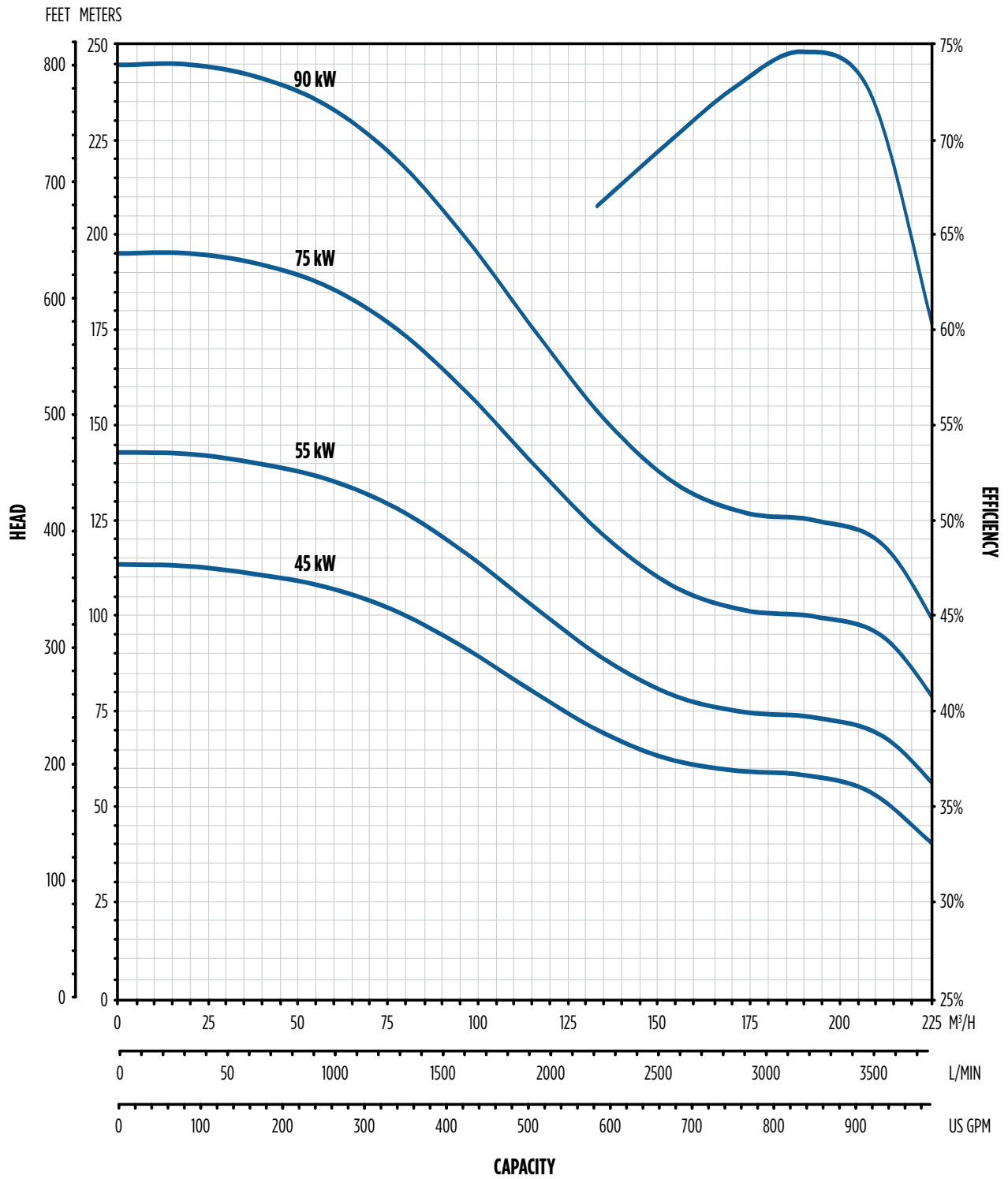
Note: Contact customer service for available bowl bearing and shaft options.

50 Hz 190STS SERIES Submersible Turbine Pumps

PERFORMANCE CURVES - 8" 190 M³/H



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm



Note: Performance based on 68 °F / 20 °C fresh water, 6" motor at 2900 rpm

50 Hz 190STS SERIES Submersible Turbine Pumps

INFORMATION - 8" 190 M³/H

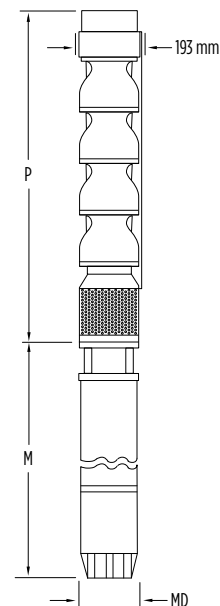
DIMENSIONS

kW	Stages	Trim	Motor	Dimensions [mm]			Motor Wt. [kg]	Pump Wt. [kg]
				P	M*	MD*		
11	1	1A	6"	652	711	138	51.7	42.2
18.5	2	1A, 1B	6"	840	841	138	63.5	55.3
30	3	3A	6"	1027	1036	138	82.6	68.9
30	3	3A	8"	1062	925	196	124.3	78.5
37	4	4A	6"	1215	1405	138	119.3	82.6
37	4	3A, 1B	8"	1250	1001	196	140.2	92.1
45	5	5A	6"	1402	1557	138	132.0	96.2
45	5	3A, 2B	8"	1437	1069	196	156.0	105.7
55	6	4A, 2B	8"	1624	1204	196	181.0	119.3
75	8	7A, 1B	8"	1999	1394	196	218.2	146.5
93	10	9A, 1B	8"	2374	1748	196	291.9	173.7

*MD diameter = Franklin Electric Motor, M = Maximum Length of Franklin Electric Motor

ORDERING

kW	Stages	Trim	Motor	Discharge	Order No.	Model No.	Ship Wt. [kg]
11	1	1A	6"	6"	97080190101	190STS11D8A5-0166	50.3
18.5	2	1A, 1B	6"	6"	97080190102	190STS18D8X5-0266	63.5
30	3	3A	6"	6"	97080190103	190STS30D8A5-0366	78.5
30	3	3A	8"	6"	97080190903	190STS30D8A5-0386	88
37	4	4A	6"	6"	97080190104	190STS37D8A5-0466	93.4
37	4	3A, 1B	8"	6"	97080190904	190STS37D8X5-0486	103
45	5	5A	6"	6"	97080190105	190STS45D8X5-0566	108.9
45	5	3A, 2B	8"	6"	97080190905	190STS45D8X5-0586	118.4
55	6	4A, 2B	8"	6"	97080190906	190STS55D8X5-0686	133.4
75	8	7A, 1B	8"	6"	97080190908	190STS75D8X5-0886	181.4
93	10	9A, 1B	8"	6"	97080190910	190STS90D8X5-1086	214.1



SPECS

Minimum Well I.D.	203 mm / 8"
Minimum Submergence Above Inlet	3 m / 10'
Discharge	4" or 6" BSPP

Note: Refer to Franklin Electric AIM data for motor cooling requirements.

MATERIALS

Part Name	Material	Specification No.
Discharge Bracket	Ductile Iron	ASTM A536 65-45-12
Top Bowl	Ductile Iron	ASTM A536 65-45-12
Intermediate Bowl	Ductile Iron	ASTM A536 65-45-12
Bearings, Disch. & Suction	Bronze	ASTM 8584 C89835
Impeller	304 Stainless Steel	ASTM A743/A743M CF8
Pump Shaft	416 Stainless Steel	ASTM A582 S41600
Suction Bracket	Ductile Iron	ASTM A536 65-45-12
Bowl Bearing	Rubber	Rubber
Sand Collar	300 Stainless Steel	ASTM A666
Suction Screen	302 Stainless Steel	ASTM A240 S30200
Cable Guard	300 Stainless Steel	ASTM A666
Shaft Coupling	416 Stainless Steel	ASTM A582 S41600
Upthrust Bolt	300 Stainless Steel	ASTM A666
Taper Lock	416 Stainless Steel	ASTM A582 S41600
Bolting	300 Stainless Steel	ASTM A666

Note: Contact customer service for available bowl bearing and shaft options.



FPS *T*series

50 Hz Submersible Turbine Pumps 5", 6", 7", 8" and 10"



Franklin Electric

Table of Contents

Application	2
Features.....	2
Materials of Construction.....	2
Performance Summary	3

Order/Performance Information:

FPS-520T	4
FPS-625T	6
FPS-635T	8
FPS-645T	10
FPS-655T	12
FPS-680T	14
FPS-690T	16
FPS-7100T.....	18
FPS-7155T.....	20
FPS-8110T.....	22
FPS-8130T.....	24
FPS-8190T.....	26
FPS-8220T	28
FPS-10200T.....	30
FPS-10250T.....	32
FPS-10300T.....	24

5", 6", 7", 8" and 10"

Submersible Turbine Pumps, 50 Hz

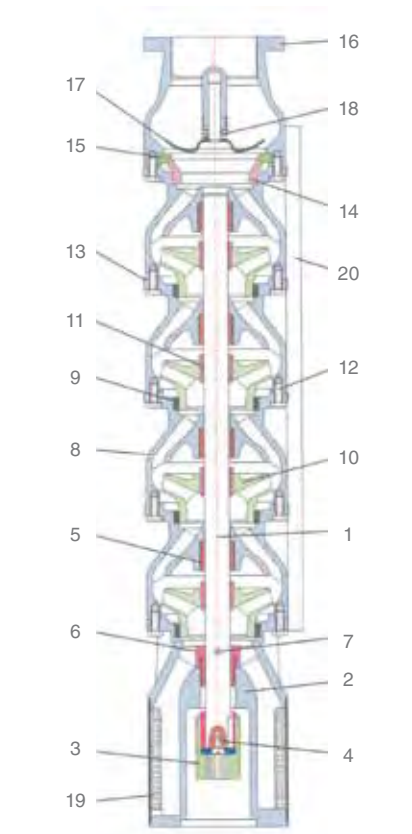


Application:

- Agriculture
- Industrial
- Mining
- Municipal water supply
- Pressure boosting
- River water extraction

Features:

- Rugged cast iron mixed-flow turbine pumps for high-flow applications. (Bronze impeller construction optional).
- Stainless steel shaft, coupling, and fasteners.
- Built-in spring-loaded check valve.
- Enhanced-flow motor adaptor design protects motor seal, spline, and coupling from high velocity abrasives.

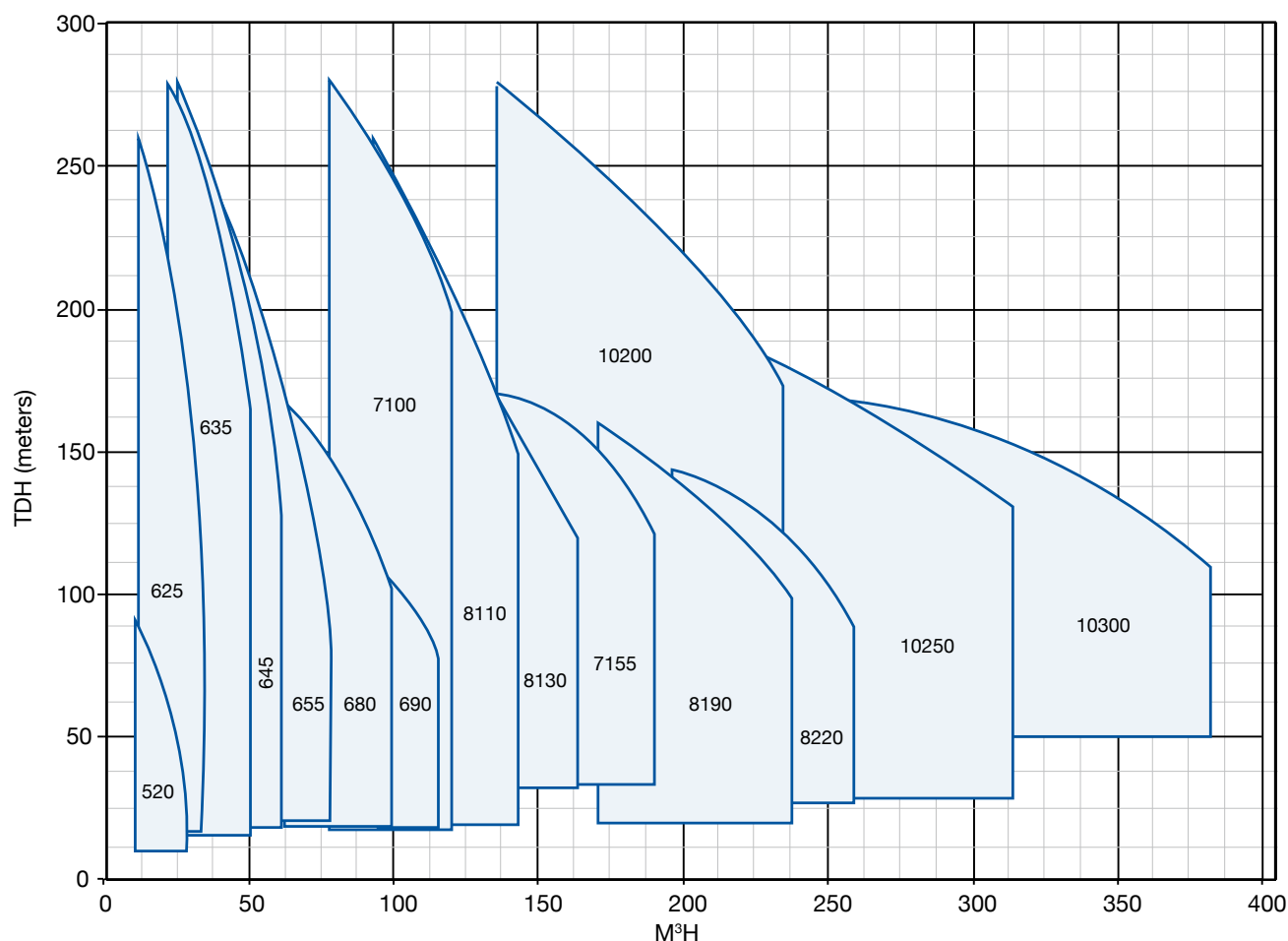


Materials of Construction

	Part Name	Common Material Name	Material Spec Number
1	Shaft	Stainless Steel	AISI 420
2	Motor Bracket	Cast Iron	GG25
3	Coupling	Stainless Steel	AISI 420
4	Coupling Screw	Stainless Steel	AISI 304
5	Bearing	Rubber/Steel	
6	Sand Guard	Stainless Steel	AISI 420
7	Sand Guard Screw	Stainless Steel	AISI 304
8	Diffuser	Cast Iron	GG25
9	Wear Ring	Rubber/Steel	
10	Impeller	Cast Iron	GG25
11	Bushing	Stainless Steel	AISI 420
12	Screw	Stainless Steel	AISI 304
13	Gasket	Silicon Paper	
14	Valve Ring	Steel	
15	Valve Seat	Rubber	
16	Discharge Assembly	Cast Iron	GG25
17	Check Valve	Cast Iron	GG25
18	Check Valve Spring	Stainless Steel	AISI 304
19	Intake Screen	Stainless Steel	AISI 304
20	Cable Guard	Stainless Steel	AISI 304

Bronze (LG2) impeller construction available by special order.

T-Series Performance



Specifications:

- Impeller type: semi-axial
- Liquid to be pumped: Chemically and mechanically non-aggressive
- Allowable water temperature: 0-40 °C
- Max working pressure: 25 atm
- Max submergence: 250 m
- Allowable solids: 50 g/m³ , 2mm max
- Construction and safety standards:

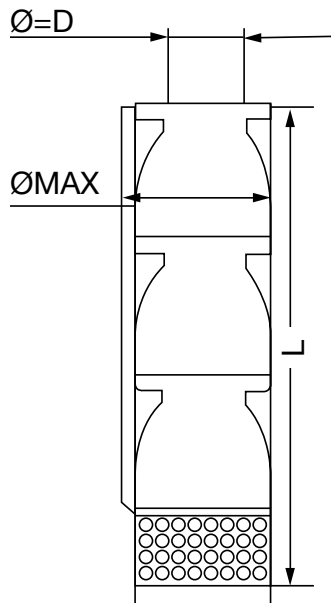
TS 111146:1993
TS EN 809:2000
98/37/EC

TS EN ISO 12100-1:2007
TS EN ISO 12100-1:2006

FPS-520T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No..	Model Description	Weight (kg)
20	1.5	2	3	4	985050204003	20T5C3-50401.5	16
	2.2	3	4	4	985050204004	20T5C4-50402.2	19
	2.2	3	5	4	985050204005	20T5C5-50402.2	22
	2.2	3	6	4	985050204006	20T5C6-50402.2	26
	3.7	5	7	4	985050204007	20T5C7-50403.7	29
	3.7	5	8	4	985050204008	20T5C8-50403.7	32
	3.7	5	9	4	985050204009	20T5C9-50403.7	36
	5.5	7.5	10	4	985050204010	20T5C10-50405.5	39
	5.5	7.5	11	4	985050204011	20T5C11-50405.5	42
	5.5	7.5	12	4	985050204012	20T5C12-50405.5	46
	5.5	7.5	13	4	985050204013	20T5C13-50405.5	49
	5.5	7.5	14	4	985050204014	20T5C14-50405.5	52
	7.5	10	15	4	985050204015	20T5C15-50407.5	56
	7.5	10	16	4	985050204016	20T5C16-50407.5	59
	7.5	10	17	4	985050204017	20T5C17-50407.5	62
	7.5	10	18	4	985050204018	20T5C18-50407.5	66
	7.5	10	19	4	985050204019	20T5C19-50407.5	69
	11	15	20	4	985050204020	20T5C20-504011	72

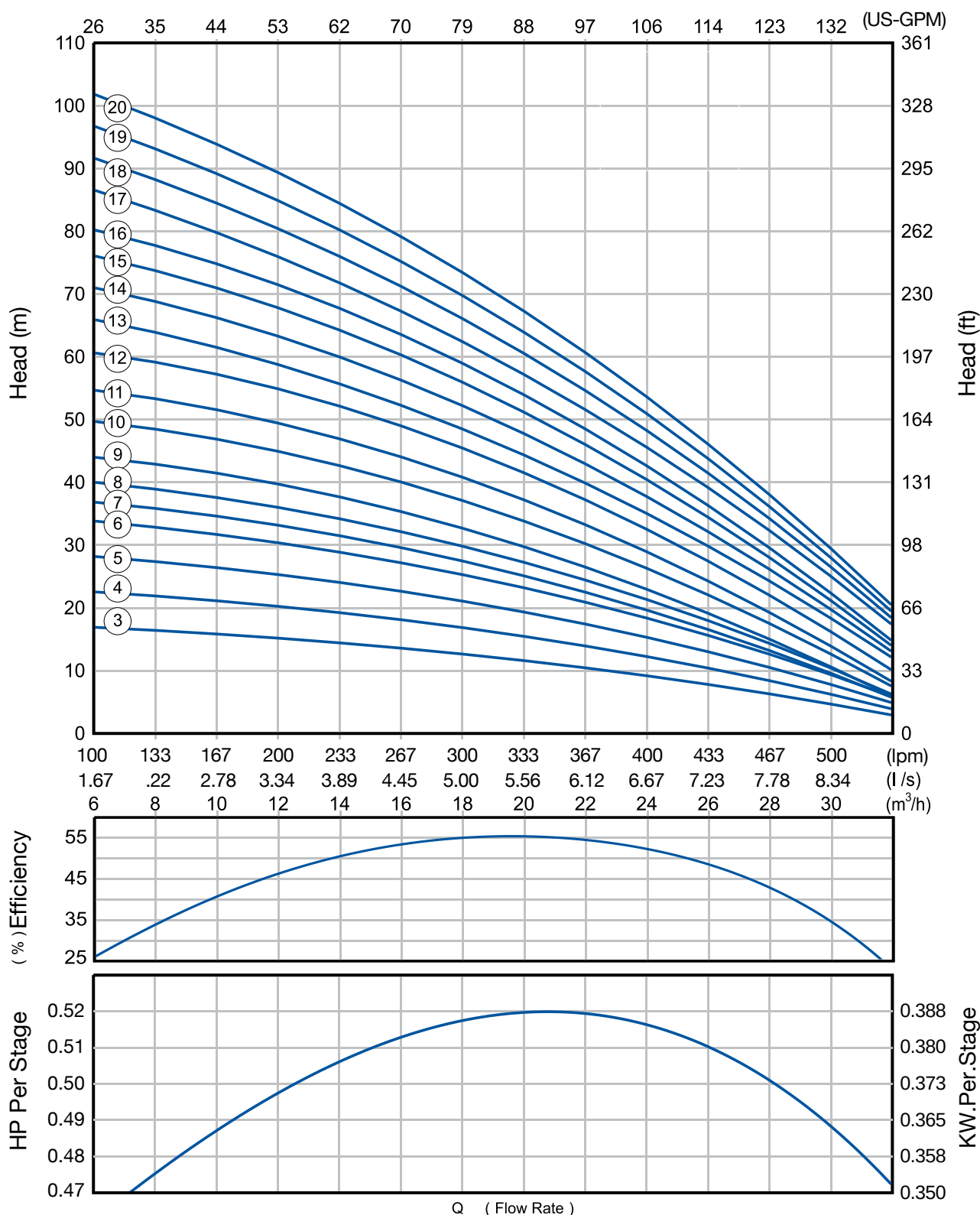


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
20T5C3-50401.5	640	3"	120
20T5C4-50402.2	750	3"	120
20T5C5-50402.2	860	3"	120
20T5C6-50402.2	970	3"	120
20T5C7-50403.7	1080	3"	120
20T5C8-50403.7	1190	3"	120
20T5C9-50403.7	1300	3"	120
20T5C10-50405.5	1410	3"	120
20T5C11-50405.5	1520	3"	120
20T5C12-50405.5	1630	3"	120
20T5C13-50405.5	1740	3"	120
20T5C14-50405.5	1850	3"	120
20T5C15-50407.5	1960	3"	120
20T5C16-50407.5	2070	3"	120
20T5C17-50407.5	2180	3"	120
20T5C18-50407.5	2290	3"	123
20T5C19-50407.5	2400	3"	123
20T5C20-504011	2510	3"	123

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-520T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospherical pressure of 1 bar

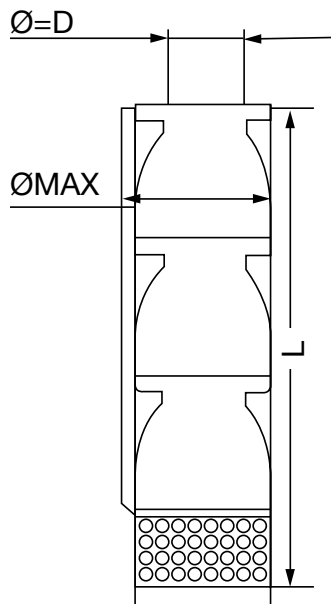
3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg / m}^3$

FPS
T series

FPS-625T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
25	3.7	5	3	6	985060256003	25T6C3-50603.7	33
	5.5	7.5	4	6	985060256004	25T6C4-50605.5	39
	5.5	7.5	5	6	985060256005	25T6C5-50605.5	46
	7.5	10	6	6	985060256006	25T6C6-50607.5	52
	7.5	10	7	6	985060256007	25T6C7-50607.5	59
	9.3	12.5	8	6	985060256008	25T6C8-50609.3	65
	9.3	12.5	9	6	985060256009	25T6C9-50609.3	72
	11	15	10	6	985060256010	25T6C10-506011	78
	15	20	11	6	985060256011	25T6C11-506015	85
	15	20	12	6	985060256012	25T6C12-506015	91
	15	20	13	6	985060256013	25T6C13-506015	98
	15	20	14	6	985060256014	25T6C14-506015	104
	18.5	25	15	6	985060256015	25T6C15-506018.5	111
	18.5	25	16	6	985060256016	25T6C16-506018.5	117
	18.5	25	17	6	985060256017	25T6C17-506018.5	124
	18.5	25	18	6	985060256018	25T6C18-506018.5	130
	22	30	19	6	985060256019	25T6C19-506022	136
	22	30	20	6	985060256020	25T6C20-506022	143
	22	30	21	6	985060256021	25T6C21-506022	149
	22	30	22	6	985060256022	25T6C22-506022	156

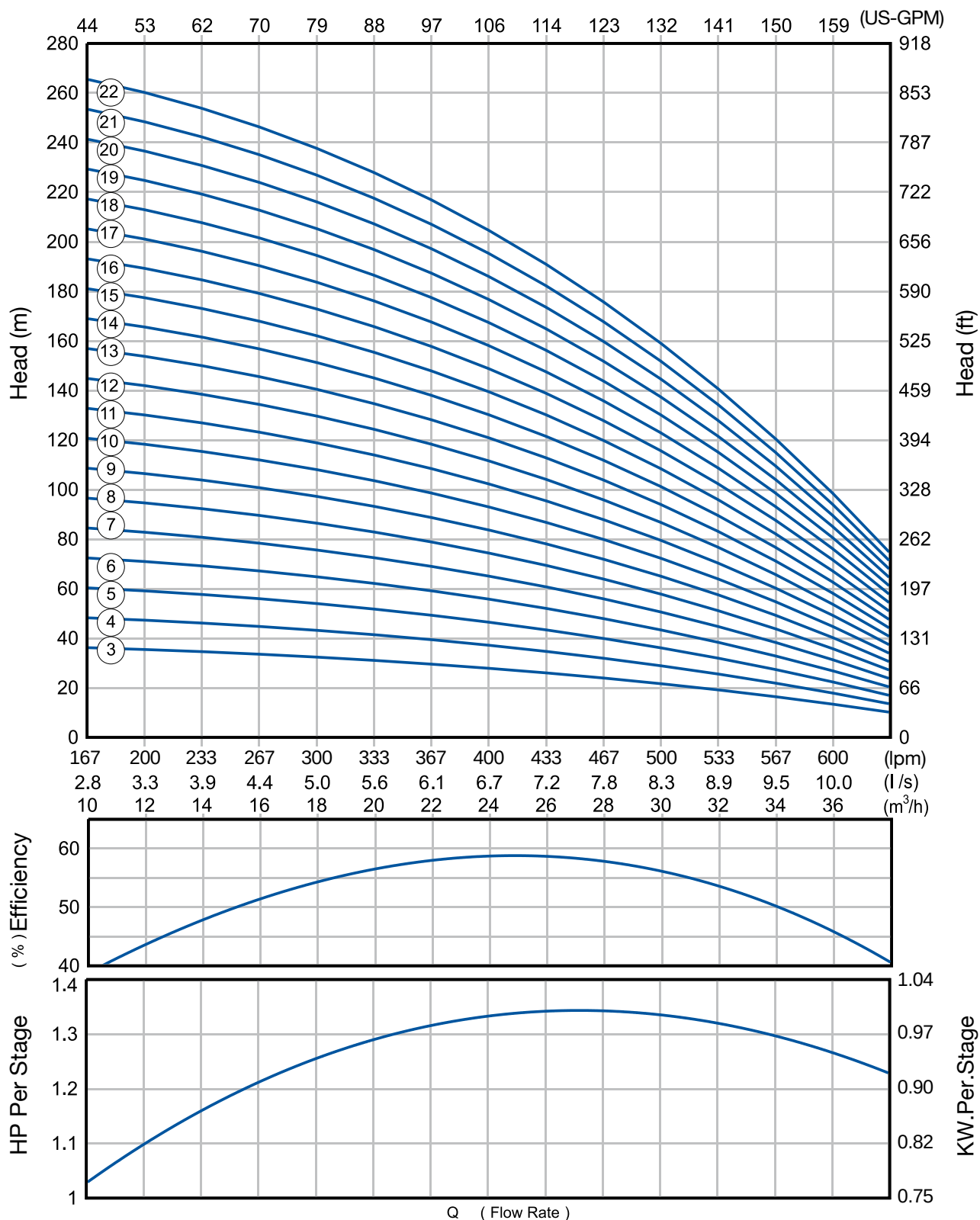


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
25T6C3-50603.7	710	3"	153
25T6C4-50605.5	830	3"	153
25T6C5-50605.5	950	3"	153
25T6C6-50607.5	1070	3"	153
25T6C7-50607.5	1190	3"	153
25T6C8-50609.3	1310	3"	153
25T6C9-50609.3	1430	3"	153
25T6C10-506011	1550	3"	153
25T6C11-506015	1670	3"	153
25T6C12-506015	1790	3"	153
25T6C13-506015	1910	3"	153
25T6C14-506015	2030	3"	153
25T6C15-506018.5	2150	3"	153
25T6C16-506018.5	2270	3"	153
25T6C17-506018.5	2390	3"	153
25T6C18-506018.5	2510	3"	153
25T6C19-506022	2630	3"	153
25T6C20-506022	2750	3"	153
25T6C21-506022	2870	3"	153
25T6C22-506022	2990	3"	153

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-625T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

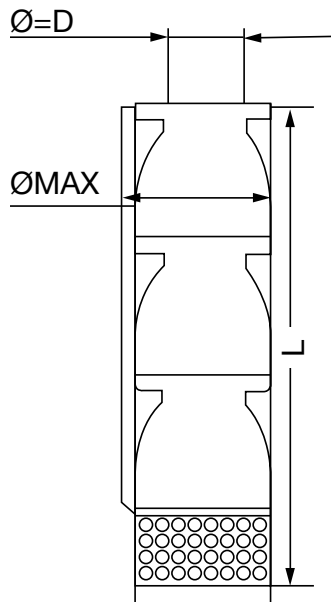
2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS-635T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
35	3.7	5	2	6	985060356002	35T6C2-50603.7	25
	5.5	7.5	3	6	985060356003	35T6C3-50605.5	31
	7.5	10	4	6	985060356004	35T6C4-50607.5	37
	7.5	10	5	6	985060356005	35T6C5-50607.5	43
	9.3	12.5	6	6	985060356006	35T6C6-50609.3	49
	11	15	7	6	985060356007	35T6C7-506011	55
	15	20	8	6	985060356008	35T6C8-506015	61
	15	20	9	6	985060356009	35T6C9-506015	67
	15	20	10	6	985060356010	35T6C10-506015	73
	18.5	25	11	6	985060356011	35T6C11-506018.5	79
	18.5	25	12	6	985060356012	35T6C12-506018.5	85
	22	30	13	6	985060356013	35T6C13-506022	91
	22	30	14	6	985060356014	35T6C14-506022	97
	22	30	15	6	985060356015	35T6C15-506022	103
	26	35	16	6	985060356016	35T6C16-506026	109
	26	35	17	6	985060356017	35T6C17-506026	115
	30	40	18	6	985060356018	35T6C18-506030	121
	30	40	19	6	985060356019	35T6C19-506030	127
	30	40	20	6	985060356020	35T6C20-506030	133
	37	50	21	6	985060356021	35T6C21-506037	139
	37	50	22	6	985060356022	35T6C22-506037	145

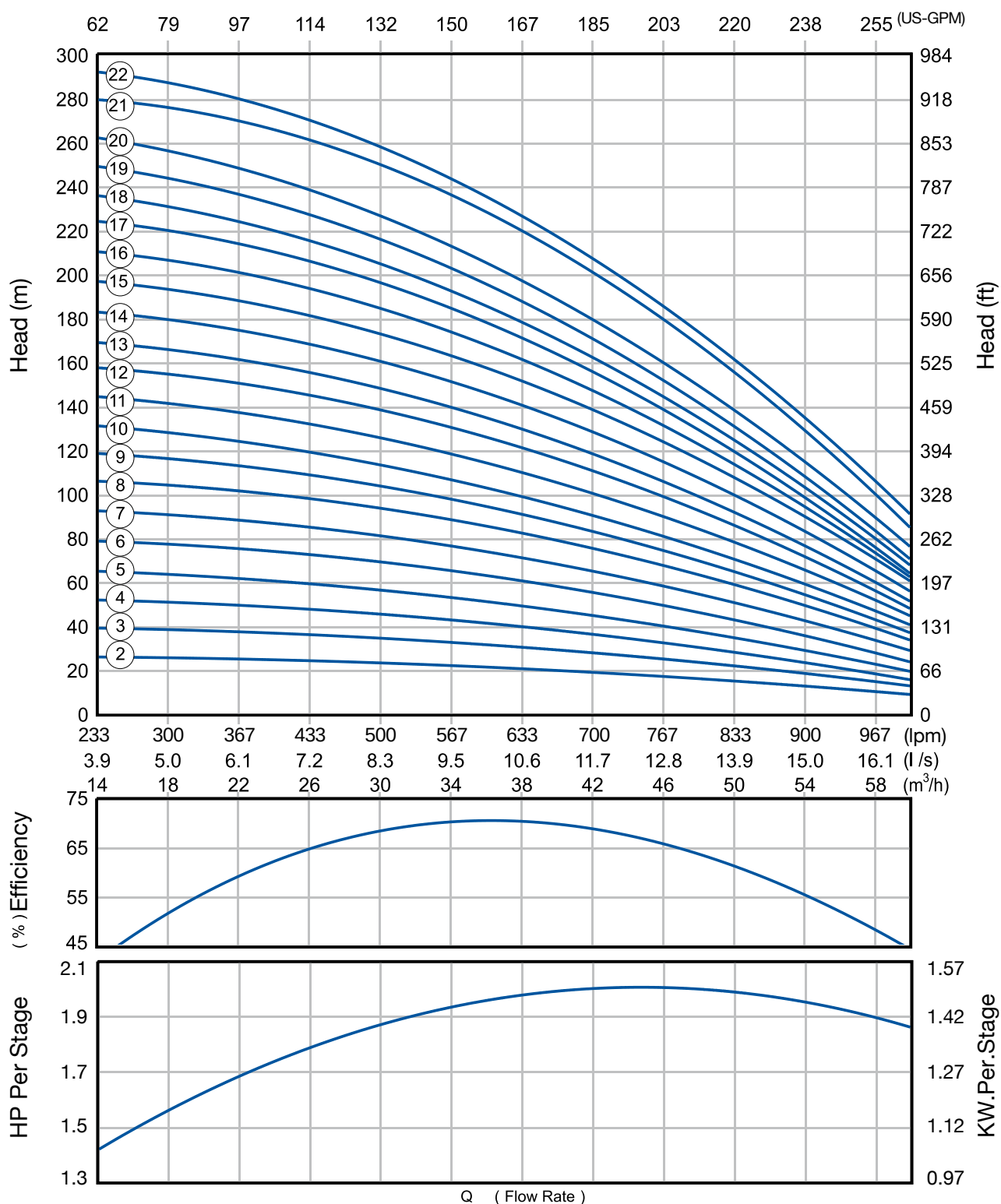


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
35T6C2-50603.7	615	3"	153
35T6C3-50605.5	730	3"	153
35T6C4-50607.5	845	3"	153
35T6C5-50607.5	960	3"	153
35T6C6-50609.3	1075	3"	153
35T6C7-506011	1190	3"	153
35T6C8-506015	1305	3"	153
35T6C9-506015	1420	3"	153
35T6C10-506015	1535	3"	153
35T6C11-506018.5	1650	3"	153
35T6C12-506018.5	1765	3"	153
35T6C13-506022	1880	3"	153
35T6C14-506022	1995	3"	153
35T6C15-506022	2110	3"	153
35T6C16-506026	2225	3"	153
35T6C17-506026	2340	3"	153
35T6C18-506030	2455	3"	153
35T6C19-506030	2570	3"	153
35T6C20-506030	2685	3"	153
35T6C21-506037	2800	3"	153
35T6C22-506037	2915	3"	153

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-635T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospherical pressure of 1 bar

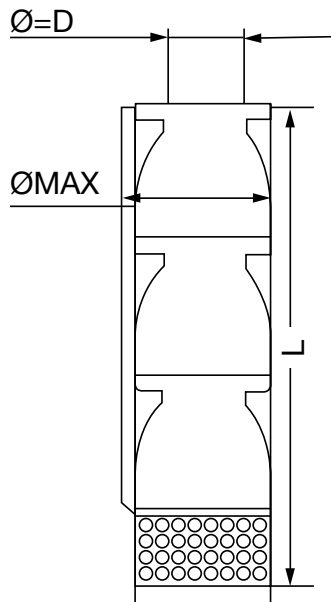
3* Performance curves are based on the kinematic viscosity $\nu = 1\text{mm}^2/\text{s}$ and density $\rho = 1000\text{ kg / m}^3$

FPS
Tseries

FPS-645T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
45	3.7	5	2	6	985060456002	45T6C2-50603.7	25
	5.5	7.5	3	6	985060456003	45T6C3-50605.5	31
	7.5	10	4	6	985060456004	45T6C4-50607.5	37
	9.3	12.5	5	6	985060456005	45T6C5-50609.3	43
	11	15	6	6	985060456006	45T6C6-506011	49
	15	20	7	6	985060456007	45T6C7-506015	55
	15	20	8	6	985060456008	45T6C8-506015	61
	18.5	25	9	6	985060456009	45T6C9-506018.5	67
	18.5	25	10	6	985060456010	45T6C10-506018.5	73
	22	30	11	6	985060456011	45T6C11-506022	79
	22	30	12	6	985060456012	45T6C12-506022	85
	26	35	13	6	985060456013	45T6C13-506026	91
	26	35	14	6	985060456014	45T6C14-506026	97
	30	40	15	6	985060456015	45T6C15-506030	103
	30	40	16	6	985060456016	45T6C16-506030	109
	30	40	17	6	985060456017	45T6C17-506030	115
	37	50	18	6	985060456018	45T6C18-506037	121
	37	50	19	6	985060456019	45T6C19-506037	127
	37	50	20	6	985060456020	45T6C20-506037	133
	37	50	21	6	985060456021	45T6C21-506037	139
	45	60	22	6	985060456022	45T6C22-506045	145

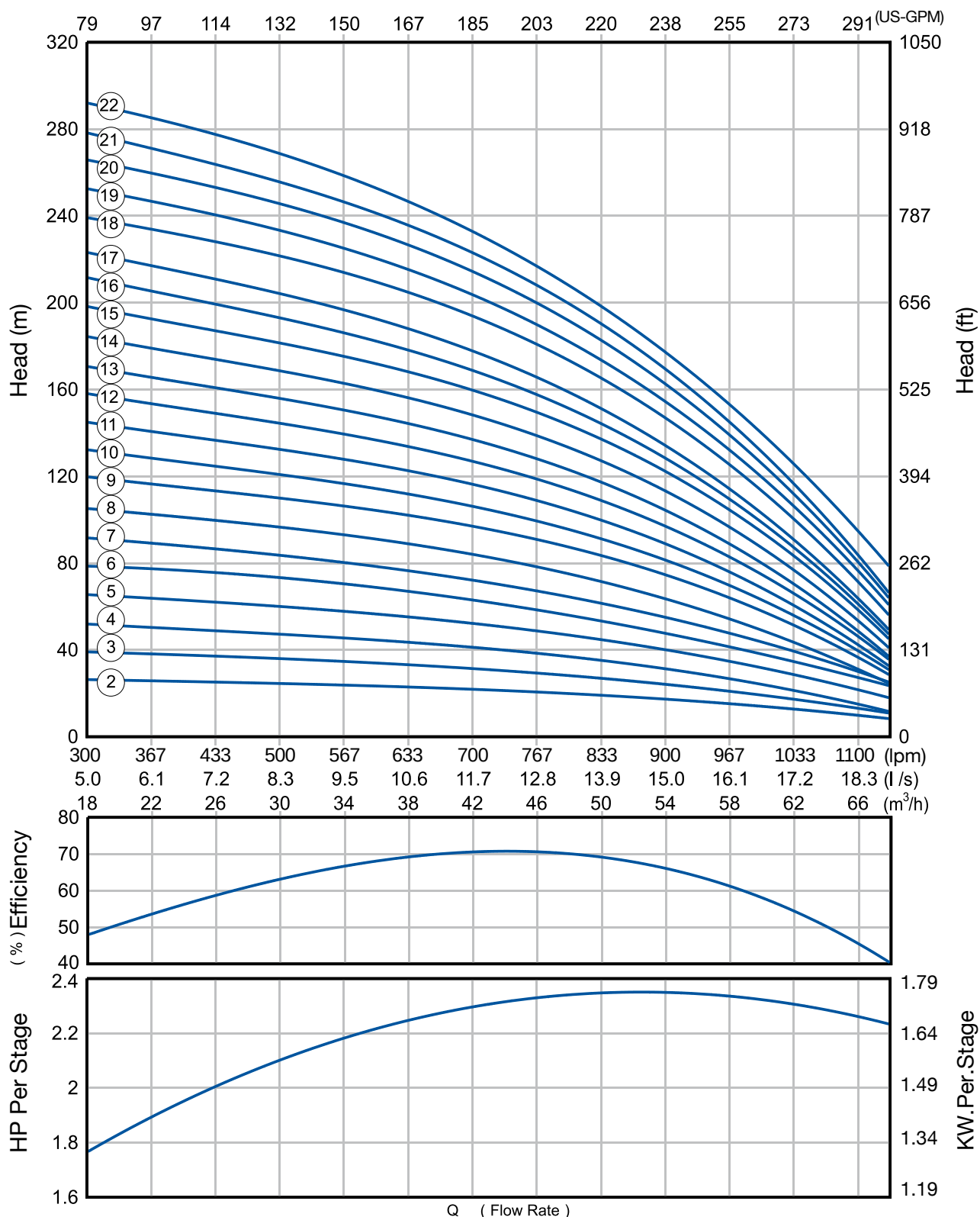


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
45T6C2-50603.7	615	3"	153
45T6C3-50605.5	730	3"	153
45T6C4-50607.5	845	3"	153
45T6C5-50609.3	960	3"	153
45T6C6-506011	1075	3"	153
45T6C7-506015	1190	3"	153
45T6C8-506015	1305	3"	153
45T6C9-506018.5	1420	3"	153
45T6C10-506018.5	1535	3"	153
45T6C11-506022	1650	3"	153
45T6C12-506022	1765	3"	153
45T6C13-506026	1880	3"	153
45T6C14-506026	1995	3"	153
45T6C15-506030	2110	3"	153
45T6C16-506030	2225	3"	153
45T6C17-506030	2340	3"	153
45T6C18-506037	2455	3"	153
45T6C19-506037	2570	3"	153
45T6C20-506037	2685	3"	153
45T6C21-506037	2800	3"	153
45T6C22-506045	2915	3"	153

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-645T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

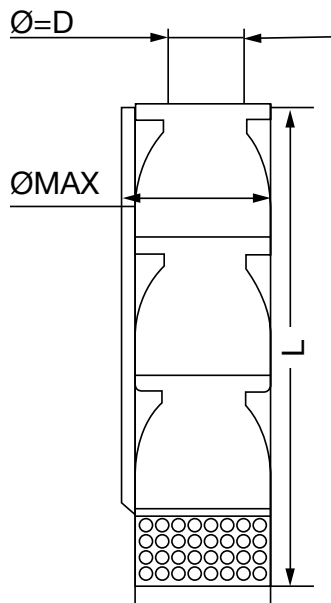
2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS-655T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
55	5.5	7.5	2	6	985060556002	55T6C2-50605.5	30
	7.5	10	3	6	985060556003	55T6C3-50607.5	35
	9.3	12.5	4	6	985060556004	55T6C4-50609.3	40
	11	15	5	6	985060556005	55T6C5-506011	45
	15	20	6	6	985060556006	55T6C6-506015	50
	18.5	25	7	6	985060556007	55T6C7-506018.5	55
	18.5	25	8	6	985060556008	55T6C8-506018.5	60
	22	30	9	6	985060556009	55T6C9-506022	65
	22	30	10	6	985060556010	55T6C10-506022	70
	26	35	11	6	985060556011	55T6C11-506026	75
	26	35	12	6	985060556012	55T6C12-506026	80
	30	40	13	6	985060556013	55T6C13-506030	85
	37	50	14	6	985060556014	55T6C14-506037	90
	37	50	15	6	985060556015	55T6C15-506037	95
	37	50	16	6	985060556016	55T6C16-506037	100
	37	50	17	6	985060556017	55T6C17-506037	105
	45	60	18	6	985060556018	55T6C18-506045	110
	45	60	19	6	985060556019	55T6C19-506045	115
	45	60	20	6	985060556020	55T6C20-506045	120

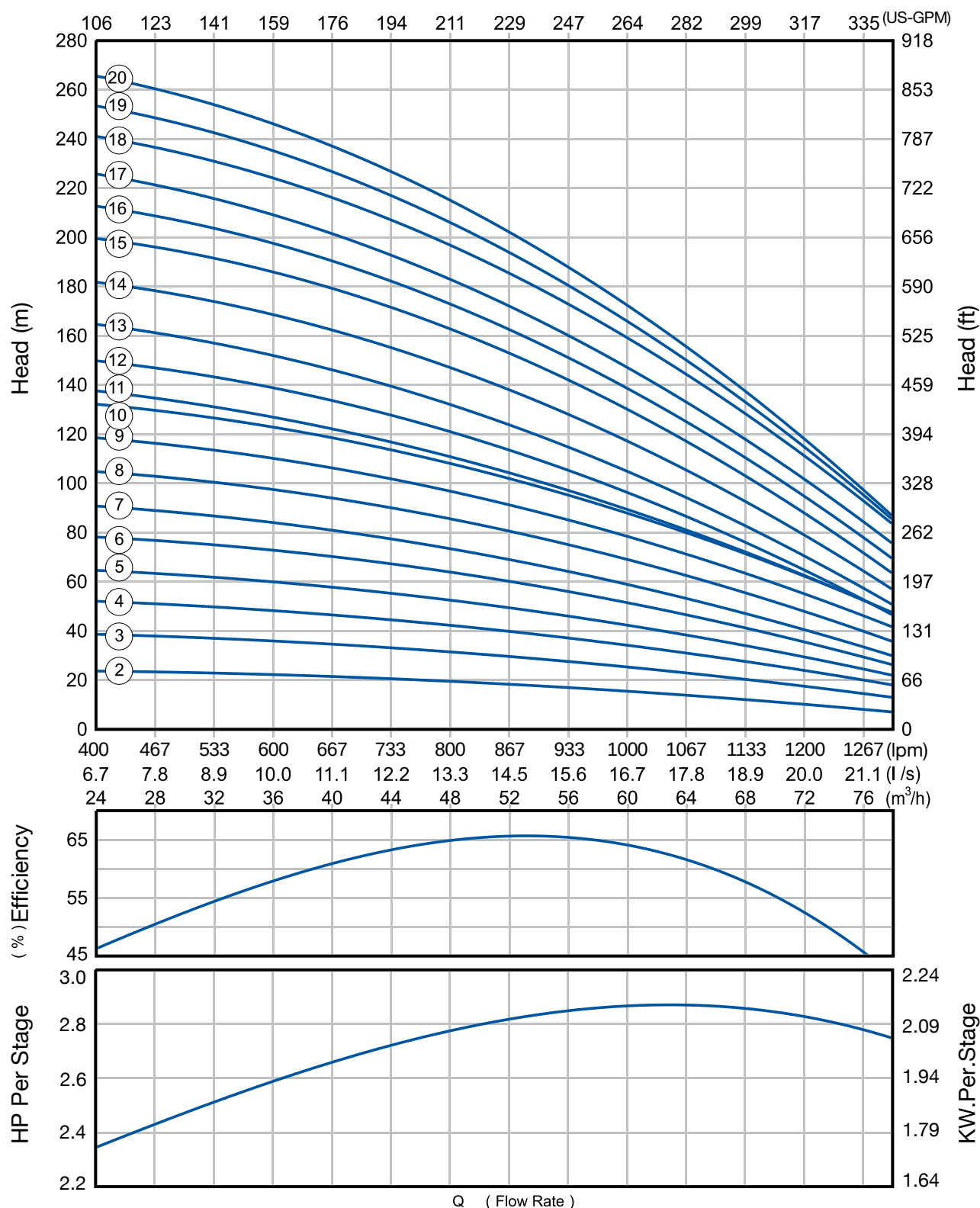


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
55T6C2-50605.5	615	4"	153
55T6C3-50607.5	730	4"	153
55T6C4-50609.3	845	4"	153
55T6C5-506011	960	4"	153
55T6C6-506015	1075	4"	153
55T6C7-506018.5	1190	4"	153
55T6C8-506018.5	1305	4"	153
55T6C9-506022	1420	4"	153
55T6C10-506022	1535	4"	153
55T6C11-506026	1650	4"	153
55T6C12-506026	1765	4"	153
55T6C13-506030	1880	4"	153
55T6C14-506037	1995	4"	153
55T6C15-506037	2110	4"	153
55T6C16-506037	2225	4"	153
55T6C17-506037	2340	4"	153
55T6C18-506045	2455	4"	153
55T6C19-506045	2570	4"	153
55T6C20-506045	2685	4"	154

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-655T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospherical pressure of 1 bar

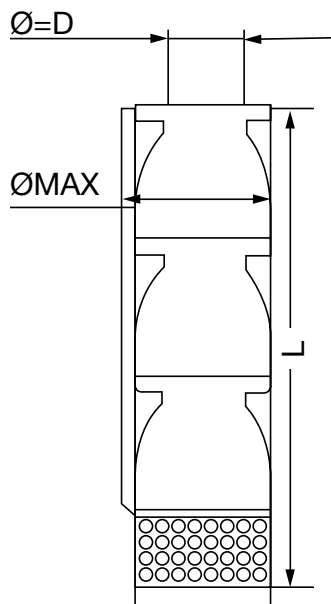
3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS
Tseries

FPS-680T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
80	3.7	5	1	6	985060806001	80T6C1-50603.7	20
	5.5	7.5	2	6	985060806002	80T6C2-50605.5	26
	9.3	12.5	3	6	985060806003	80T6C3-50609.3	33
	11	15	4	6	985060806004	80T6C4-506011	39
	15	20	5	6	985060806005	80T6C5-506015	45
	18.5	25	6	6	985060806006	80T6C6-506018.5	52
	18.5	25	7	6	985060806007	80T6C7-506018.5	58
	22	30	8	6	985060806008	80T6C8-506022	64
	26	35	9	6	985060806009	80T6C9-506026	71
	26	35	10	6	985060806010	80T6C10-506026	77
	30	40	11	6	985060806011	80T6C11-506030	83
	37	50	12	6	985060806012	80T6C12-506037	90
	37	50	13	6	985060806013	80T6C13-506037	96
	37	50	14	6	985060806014	80T6C14-506037	102
	45	60	15	6	985060806015	80T6C15-506045	109
	45	60	16	6	985060806016	80T6C16-506045	115
	45	60	17	6	985060806017	80T6C17-506045	121

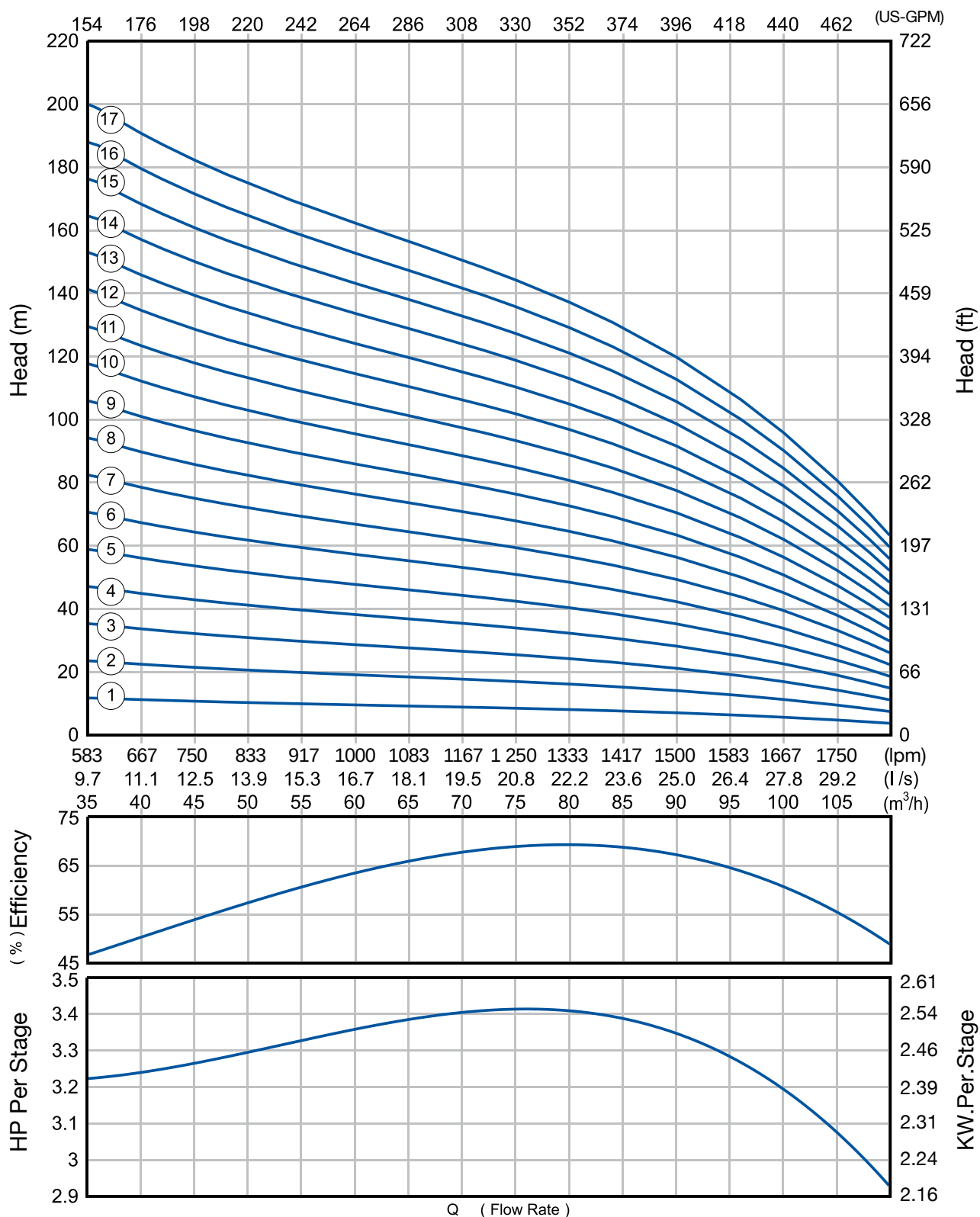


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
80TC1-50603.7	535	4"	153
80TC2-50605.5	675	4"	153
80TC3-50609.3	815	4"	153
80TC4-506011	955	4"	153
80TC5-506015	1095	4"	153
80TC6-506018.5	1235	4"	153
80TC7-506018.5	1375	4"	153
80TC8-506022	1515	4"	153
80TC9-506026	1655	4"	153
80TC10-506026	1795	4"	153
80TC11-506030	1935	4"	153
80TC12-506037	2075	4"	153
80TC13-506037	2215	4"	153
80TC14-506037	2355	4"	153
80TC15-506045	2495	4"	153
80TC16-506045	2635	4"	153
80TC17-506045	2775	4"	153

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-680T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

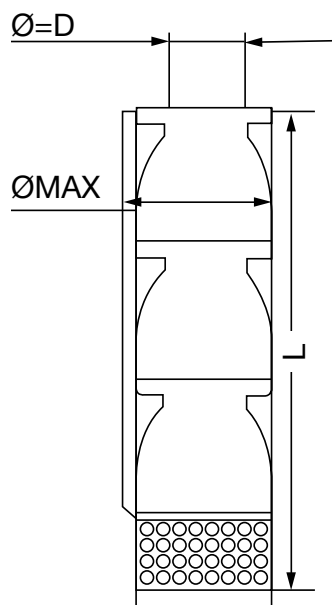
2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospherical pressure of 1 bar

3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS-690T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
90	3.7	5	1	6	985060906001	90T6C1-50603.7	24
	7.5	10	2	6	985060906002	90T6C2-50607.5	31
	11	15	3	6	985060906003	90T6C3-506011	37
	15	20	4	6	985060906004	90T6C4-506015	44
	18.5	25	5	6	985060906005	90T6C5-506018.5	50
	22	30	6	6	985060906006	90T6C6-506022	57
	26	35	7	6	985060906007	90T6C7-506026	63
	30	40	8	6	985060906008	90T6C8-506030	70
	37	50	9	6	985060906009	90T6C9-506037	76
	37	50	10	6	985060906010	90T6C10-506037	83
	45	60	11	6	985060906011	90T6C11-506045	89
	45	60	12	6	985060906012	90T6C12-506045	96

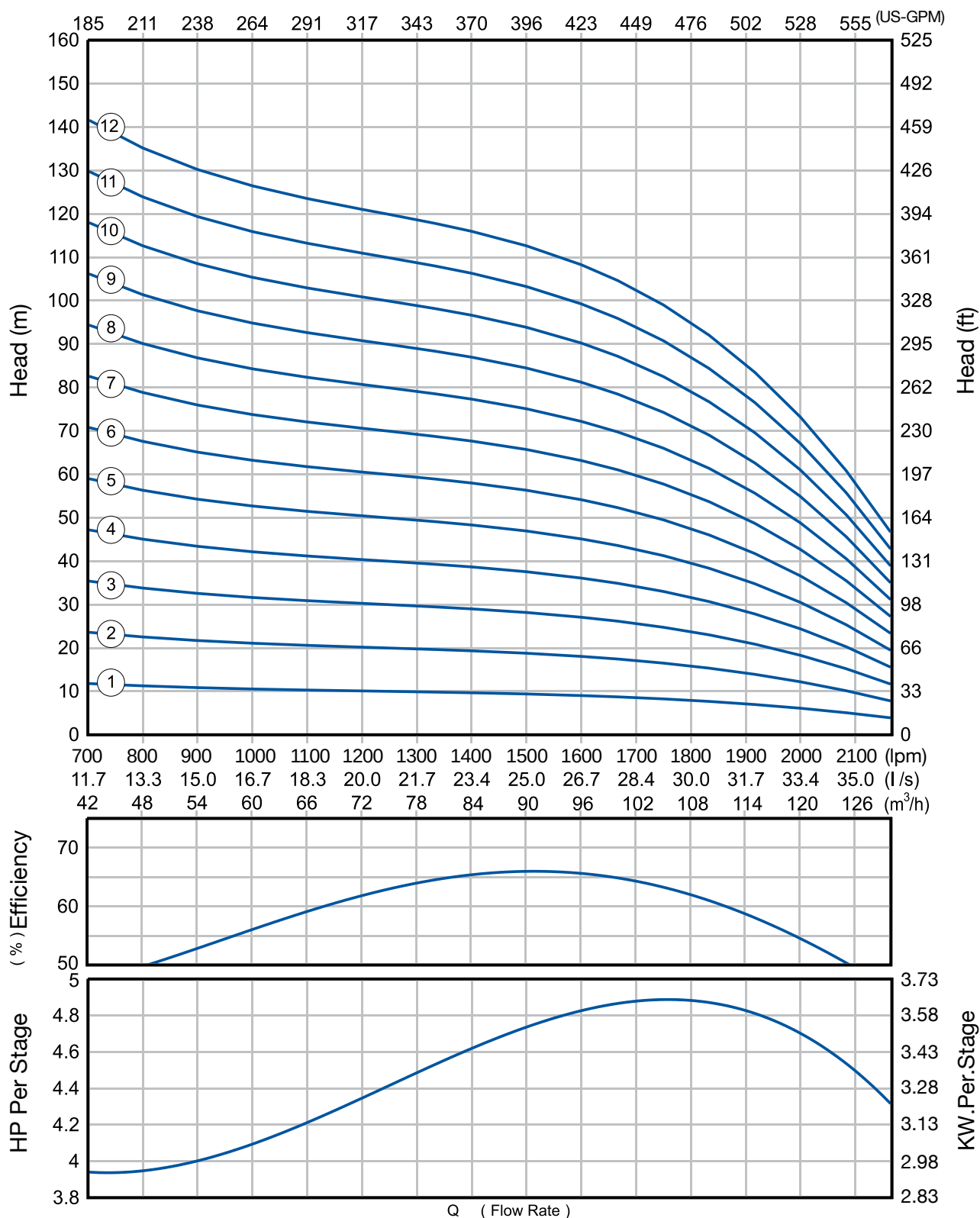


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
90T6C1-50603.7	180	4"	153
90T6C2-50607.5	320	4"	153
90T6C3-506011	460	4"	153
90T6C4-506015	600	4"	153
90T6C5-506018.5	740	4"	153
90T6C6-506022	880	4"	153
90T6C7-506026	1020	4"	153
90T6C8-506030	1160	4"	153
90T6C9-506037	1300	4"	153
90T6C10-506037	1440	4"	153
90T6C11-506045	1580	4"	153
90T6C12-506045	1720	4"	153

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-690T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

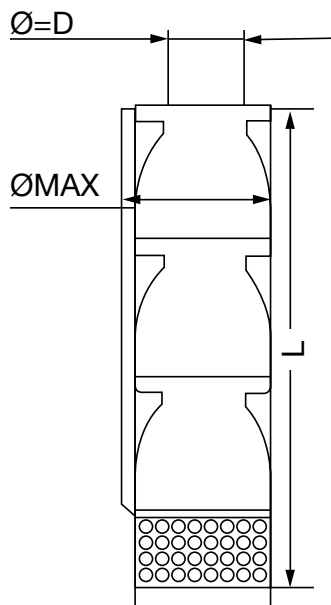
3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS
T series

FPS-7100T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
100	7.5	10	1	6	985071006001	100T7C1-50607.5	32
	15	20	2	6	985071006002	100T7C2-506015	41
	22	30	3	6	985071006003	100T7C3-506022	50
	30	40	4	6	985071006004	100T7C4-506030	59
	37	50	5	6	985071006005	100T7C5-506037	68
	37	50	5	8	985071008005	100T7C5-508037	71
	45	60	6	6	985071006006	100T7C6-506045	77
	45	60	6	8	985071008006	100T7C6-508045	80
	52	70	7	8	985071008007	100T7C7-508052	89
	55	75	8	8	985071008008	100T7C8-508055	98
	67	90	9	8	985071008009	100T7C9-508067	107
	75	100	10	8	985071008010	100T7C10-508075	116
	75	100	11	8	985071008011	100T7C11-508075	125
	83	110	12	8	985071008012	100T7C12-508083	134
	93	125	13	8	985071008013	100T7C13-508093	143
	110	150	14	8	985071008014	100T7C14-508110	152

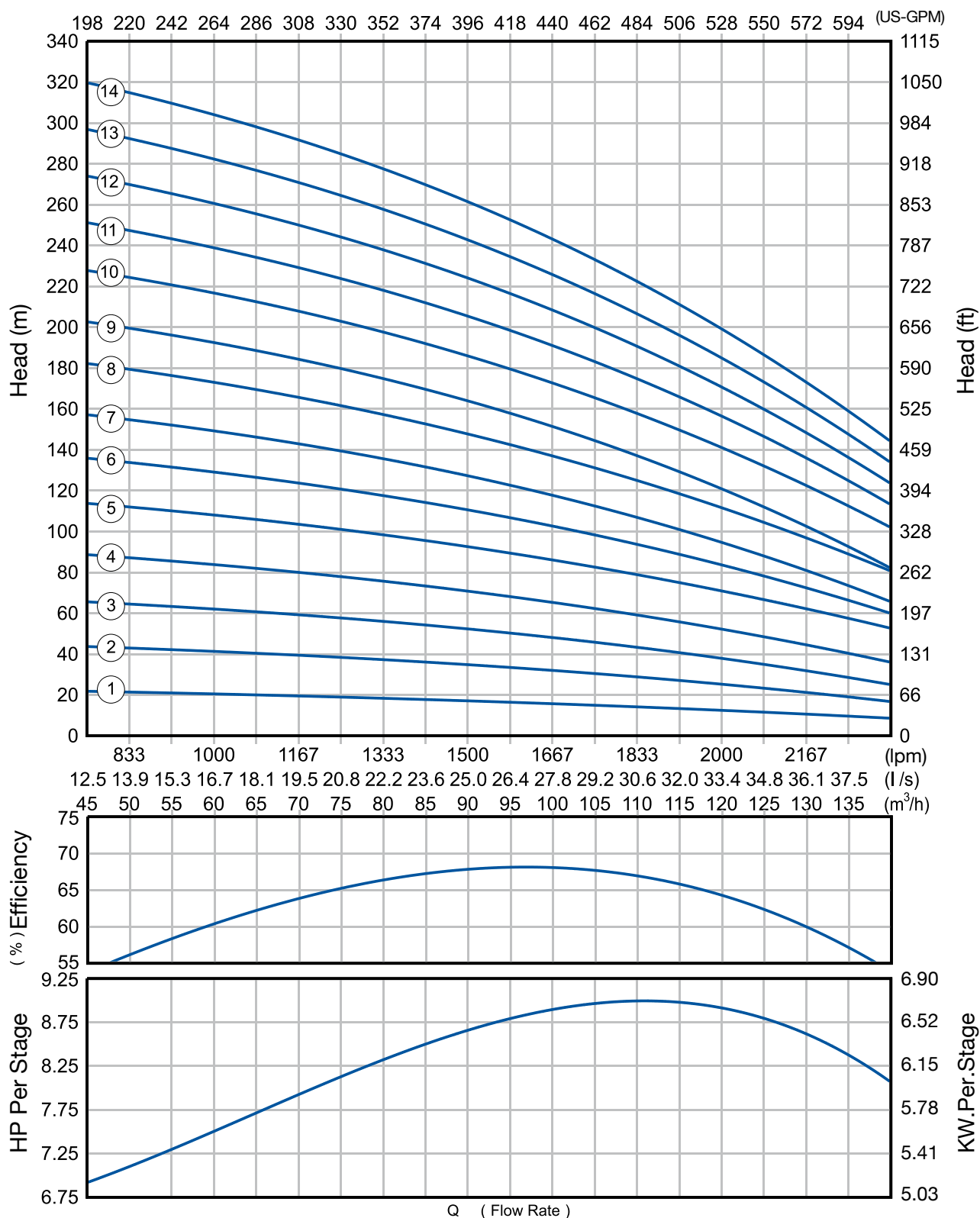


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
100T7C1-50607.5	510	4"	180
100T7C2-506015	640	4"	180
100T7C3-506022	770	4"	180
100T7C4-506030	900	4"	180
100T7C5-506037	1030	4"	195
100T7C5-508037	1070	4"	195
100T7C6-506045	1160	4"	195
100T7C6-508045	1200	4"	195
100T7C7-508052	1330	4"	195
100T7C8-508055	1460	4"	195
100T7C9-508067	1590	4"	195
100T7C10-508075	1720	4"	195
100T7C11-508075	1850	4"	195
100T7C12-508083	1980	4"	195
100T7C13-508093	2110	4"	195
100T7C14-508110	2240	4"	195

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-7100T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

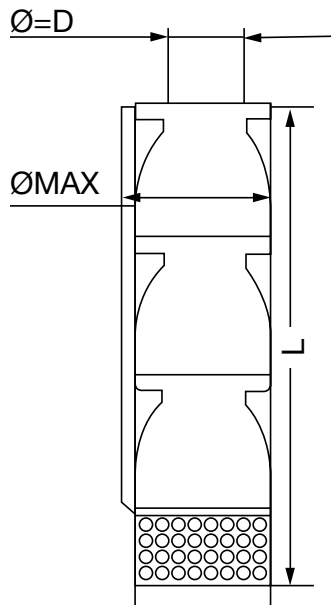
2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS-7155T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
155	9.3	12.5	1	6	985071556001	155T7C1-50609.3	37
	18.5	25	2	6	985071556002	155T7C2-506018.5	45
	26	35	3	6	985071556003	155T7C3-506026	54
	37	50	4	6	985071556004	155T7C4-506037	62
	37	50	4	8	985071558004	155T7C4-508037	62
	45	60	5	6	985071556005	155T7C5-506045	71
	45	60	5	8	985071558005	155T7C5-508045	71
	52	70	6	8	985071558006	155T7C6-508052	79
	55	75	7	8	985071558007	155T7C7-508055	88
	67	90	8	8	985071558008	155T7C8-508067	97
	75	100	9	8	985071558009	155T7C9-508075	105
	83	110	10	8	985071558010	155T7C10-508083	114
	93	125	11	8	985071558011	155T7C11-508093	122
	110	150	12	8	985071558012	155T7C12-508110	131

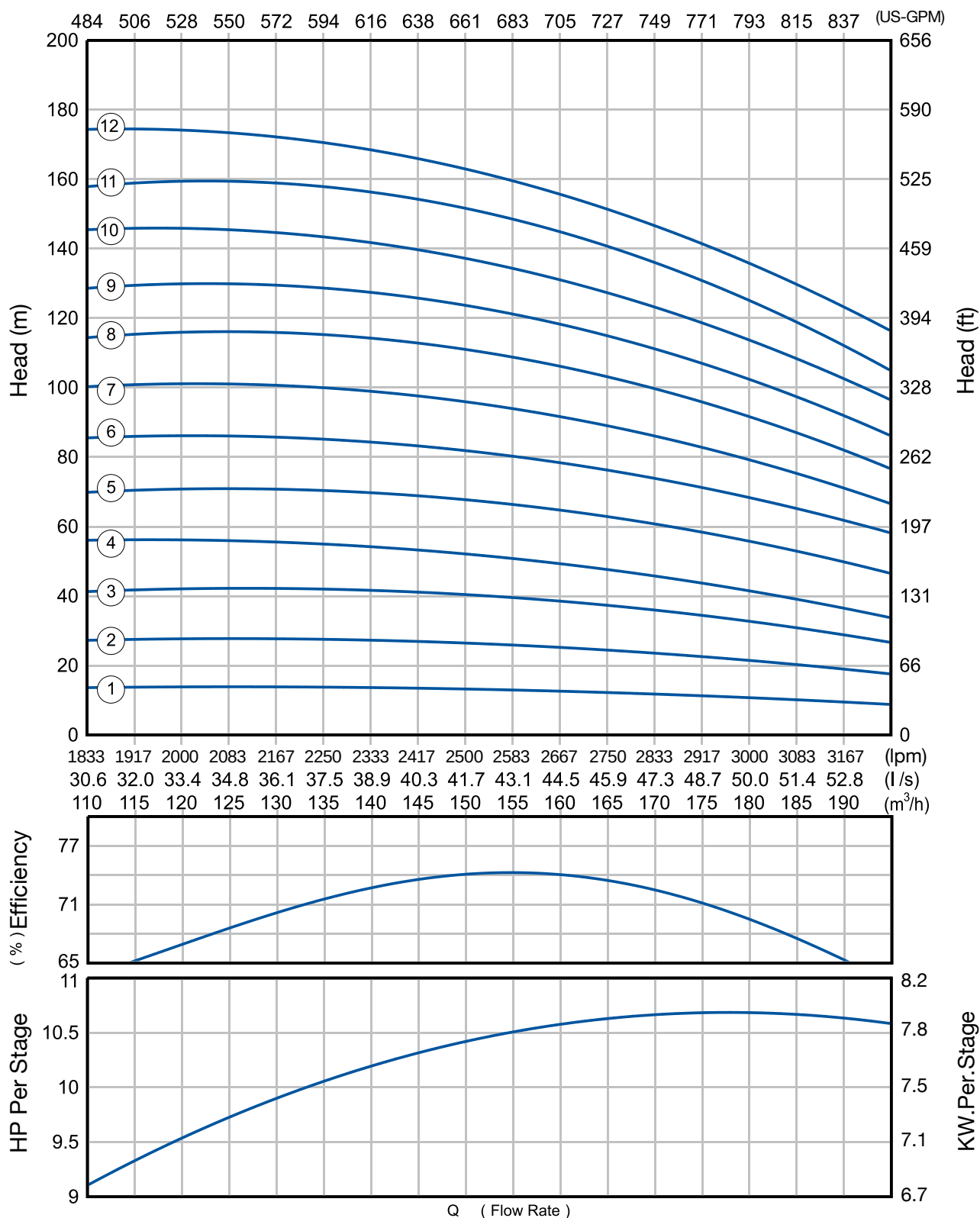


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
155T7C1-50609.3	700	5"	180
155T7C2-506018.5	865	5"	180
155T7C3-506026	1030	5"	180
155T7C4-506037	1195	5"	180
155T7C4-508037	1195	5"	180
155T7C5-506045	1360	5"	180
155T7C5-508045	1360	5"	180
155T7C6-508052	1525	5"	180
155T7C7-508055	1690	5"	180
155T7C8-508067	1855	5"	180
155T7C9-508075	2020	5"	180
155T7C10-508083	2185	5"	180
155T7C11-508093	2350	5"	180
155T7C12-508110	2515	5"	180

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-7155T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

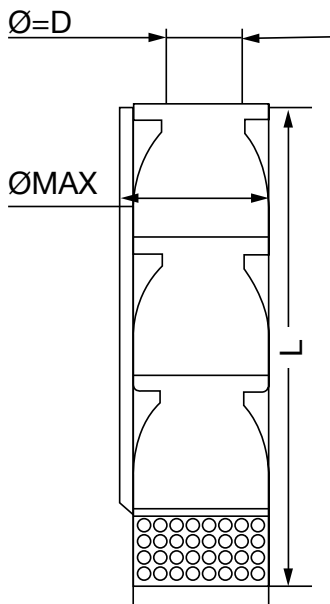
3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS
Tseries

FPS-8110T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
110	7.5	10	1	6	985081106001	110T8C1-50607.5	35
	15	20	2	6	985081106002	110T8C2-506015	46
	22	30	3	6	985081106003	110T8C3-506022	57
	30	40	4	6	985081106004	110T8C4-506030	68
	30	40	4	8	985081108004	110T8C4-508030	75
	37	50	5	6	985081106005	110T8C5-506037	79
	37	50	5	8	985081108005	110T8C5-508037	86
	45	60	6	6	985081106006	110T8C6-506045	90
	45	60	6	8	985081108006	110T8C6-508045	97
	52	70	7	8	985081108007	110T8C7-508052	108
	55	75	8	8	985081108008	110T8C8-508055	119
	67	90	9	8	985081108009	110T8C9-508067	130
	75	100	10	8	985081108010	110T8C10-508075	141
	83	110	11	8	985081108011	110T8C11-508083	152
	93	125	12	8	985081108012	110T8C12-508093	163
	93	125	13	8	985081108013	110T8C13-508093	174
	110	150	14	8	985081108014	110T8C14-508110	185

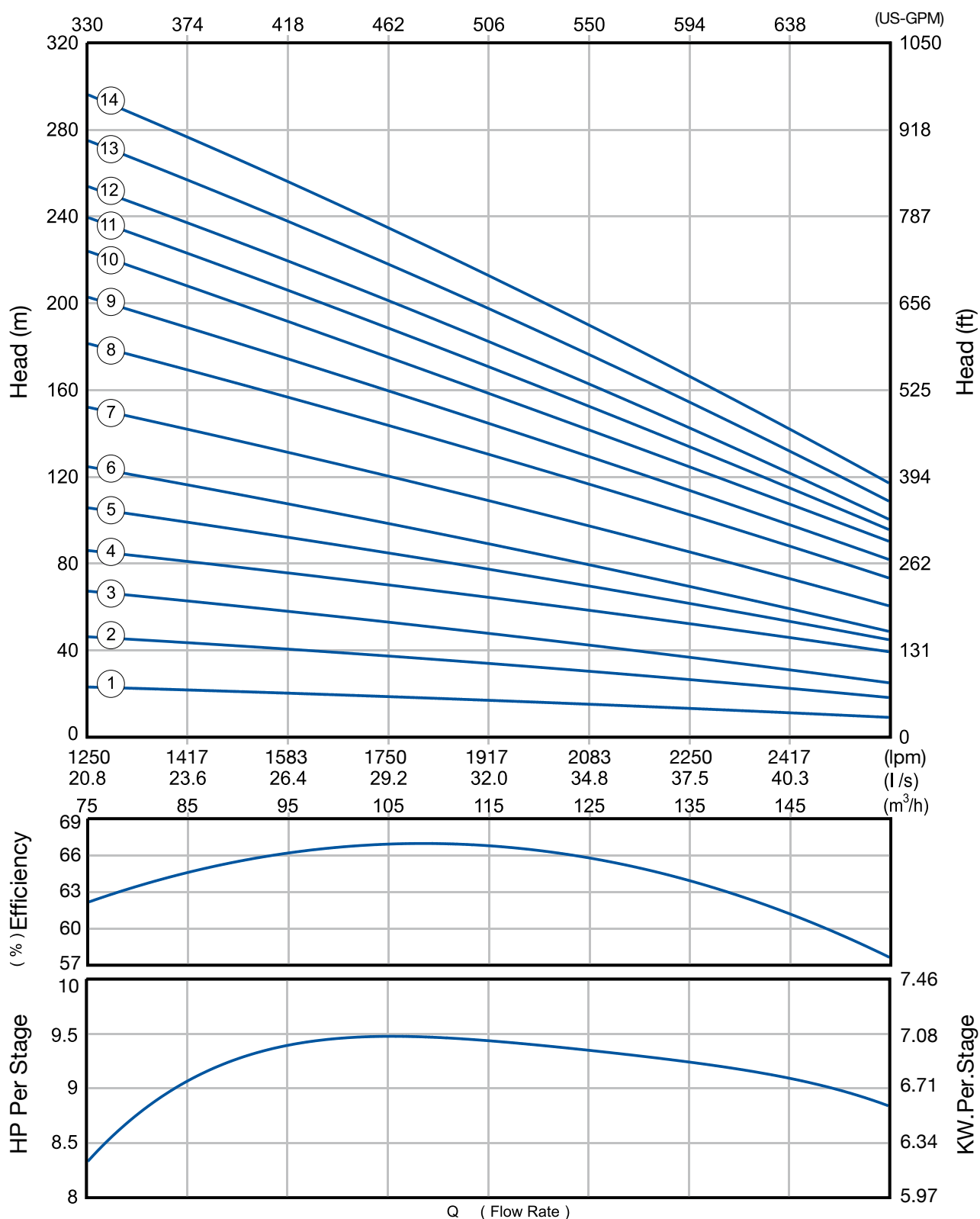


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
110T8C1-50607.5	560	5"	200
110T8C2-506015	700	5"	200
110T8C3-506022	840	5"	205
110T8C4-506030	980	5"	205
110T8C4-508030	1110	5"	205
110T8C5-506037	1120	5"	205
110T8C5-508037	1250	5"	205
110T8C6-506045	1260	5"	205
110T8C6-508045	1390	5"	205
110T8C7-508052	1530	5"	205
110T8C8-508055	1670	5"	205
110T8C9-508067	1810	5"	205
110T8C10-508075	1950	5"	205
110T8C11-508083	2090	5"	205
110T8C12-508093	2230	5"	205
110T8C13-508093	2370	5"	205
110T8C14-508110	2510	5"	205

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-8110T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

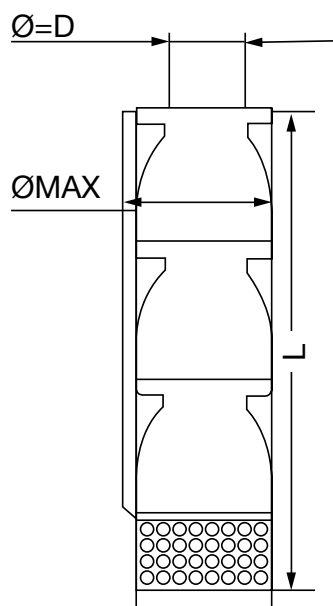
2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS-8130T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Motor Size	Order No.	Model Description	Weight (kg)
130	11	15	1	6	985081306001	130T8C1-506011	36
	22	30	2	6	985081306002	130T8C2-506022	47
	30	40	3	6	985081306003	130T8C3-506030	59
	30	40	3	8	985081308003	130T8C3-508030	61
	45	60	4	6	985081306004	130T8C4-506045	70
	45	60	4	8	985081308004	130T8C4-508045	73
	52	70	5	8	985081308005	130T8C5-508052	85
	60	80	6	8	985081308006	130T8C6-508060	96
	75	100	7	8	985081308007	130T8C7-508075	108
	83	110	8	8	985081308008	130T8C8-508083	119
	93	125	9	8	985081308009	130T8C9-508093	131
	110	150	10	8	985081308010	130T8C10-508110	143
	110	150	11	8	985081308011	130T8C11-508110	154
	130	175	12	8	985081308012	130T8C12-508130	166

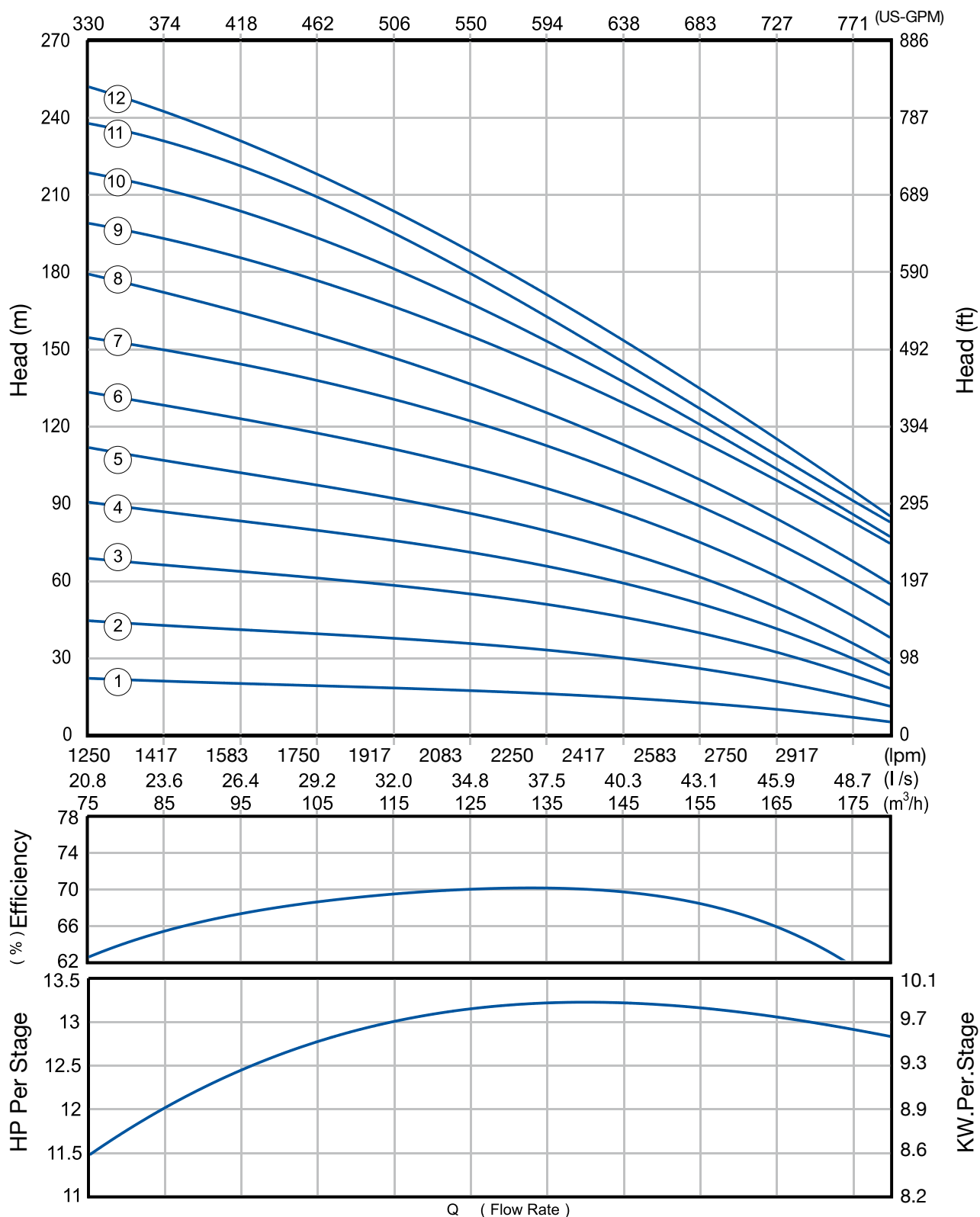


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
130T8C1-506011	545	5"	200
130T8C2-506022	685	5"	205
130T8C3-506030	825	5"	205
130T8C3-508030	870	5"	205
130T8C4-506045	965	5"	205
130T8C4-508045	1010	5"	205
130T8C5-508052	1150	5"	205
130T8C6-508060	1290	5"	205
130T8C7-508075	1430	5"	205
130T8C8-508083	1570	5"	205
130T8C9-508093	1710	5"	205
130T8C10-508110	1850	5"	205
130T8C11-508110	1990	5"	205
130T8C12-508130	2130	5"	205

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-8130T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

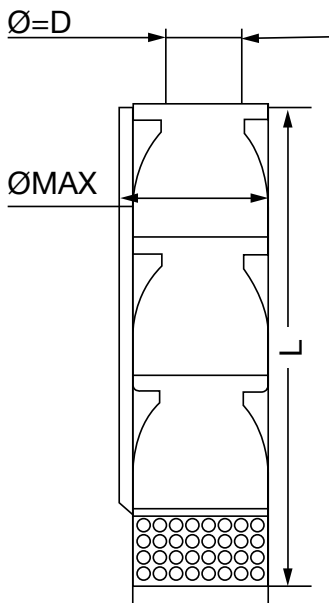
2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS-8190T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Trim	Motor Size	Order No.	Model Description	Weight (kg)
190	9.3	12.5	1	Z	6	985081906501	190T8C1Z-50609.3	44
	11	15	1	X	6	985081906001	190T8C1X-506011	44
	18.5	25	2	Z	6	985081906502	190T8C2Z-506018.5	59
	22	30	2	X	6	985081906002	190T8C2X-506022	59
	30	40	3	Z	6	985081906503	190T8C3Z-506030	75
	30	40	3	Z	8	985081908503	190T8C3Z-508030	75
	37	50	3	X	6	985081906003	190T8C3X-506037	75
	37	50	3	X	8	985081908003	190T8C3X-508037	75
	37	50	4	Z	6	985081906504	190T8C4Z-506037	91
	37	50	4	Z	8	985081908504	190T8C4Z-508037	91
	45	60	4	X	6	985081906004	190T8C4X-506045	91
	45	60	4	X	8	985081908004	190T8C4X-508045	91
	52	70	5	Z	8	985081908505	190T8C5Z-508052	106
	55	75	5	X	8	985081908005	190T8C5X-508055	106
	55	75	6	Z	8	985081908506	190T8C6Z-508055	122
	67	90	6	X	8	985081908006	190T8C6X-508067	122
	67	90	7	Z	8	985081908507	190T8C7Z-508067	137
	83	110	7	X	8	985081908007	190T8C7X-508083	137
	75	100	8	Z	8	985081908508	190T8C8Z-508075	153
	93	125	8	X	8	985081908008	190T8C8X-508093	153
	83	110	9	Z	8	985081908509	190T8C9Z-508083	169
	110	150	9	X	8	985081908009	190T8C9X-508110	169
	93	125	10	Z	8	985081908510	190T8C10Z-508093	184
	110	150	10	X	8	985081908010	190T8C10X-508110	184
	110	150	11	Z	8	985081908511	190T8C11Z-508110	200

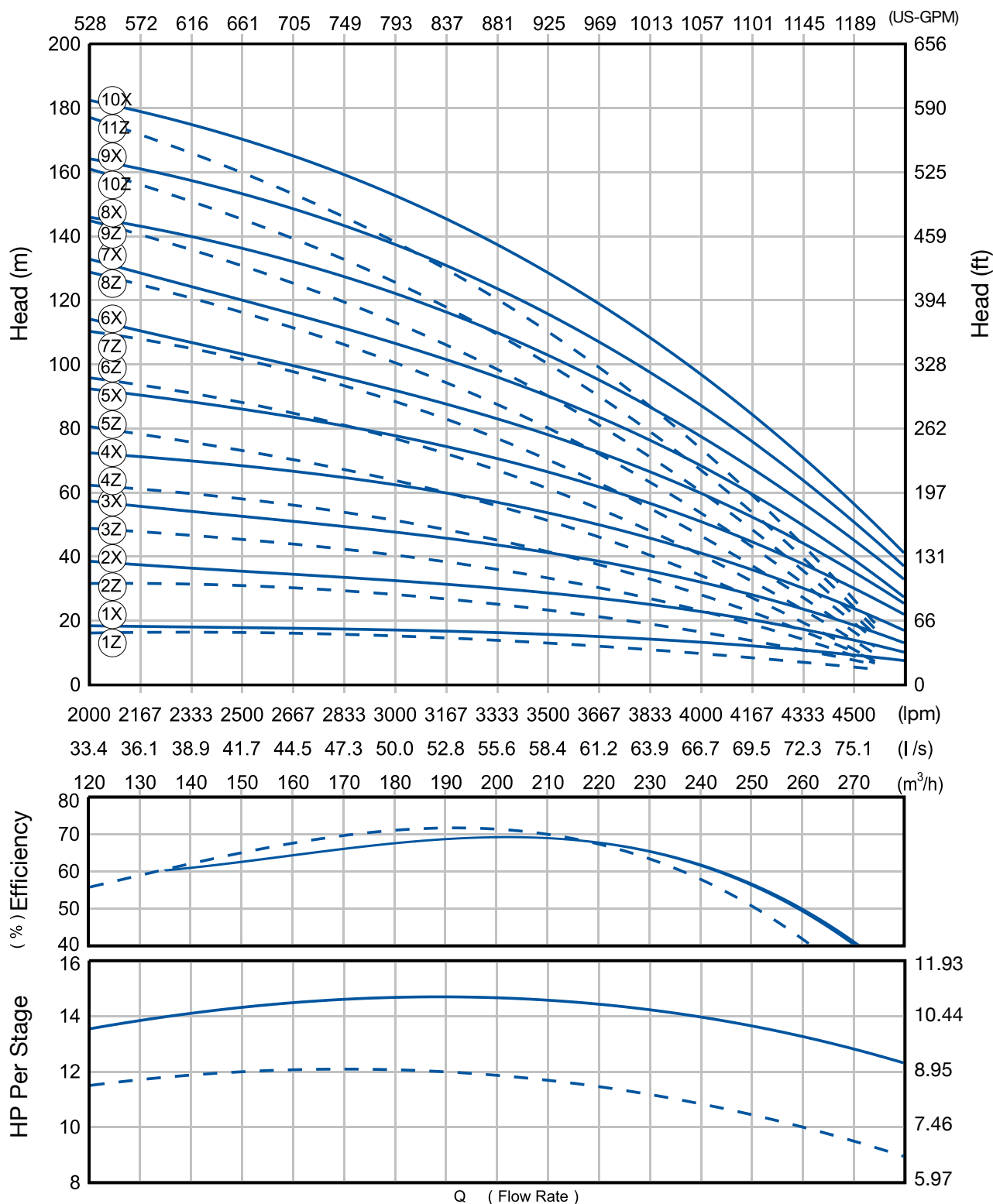


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
190T8C1Z-50609.3	720	5"	200
190T8C1X-506011	720	5"	200
190T8C2Z-506018.5	905	5"	200
190T8C2X-506022	905	5"	205
190T8C3Z-506030	1090	5"	205
190T8C3Z-508030	1090	5"	205
190T8C3X-506037	1090	5"	205
190T8C3X-508037	1090	5"	205
190T8C4Z-506037	1275	5"	205
190T8C4Z-508037	1275	5"	205
190T8C4X-506045	1275	5"	205
190T8C4X-508045	1275	5"	205
190T8C5Z-508052	1460	5"	205
190T8C5X-508055	1460	5"	205
190T8C6Z-508055	1645	5"	205
190T8C6X-508067	1645	5"	205
190T8C7Z-508067	1830	5"	205
190T8C7X-508083	1830	5"	205
190T8C8Z-508075	2015	5"	205
190T8C8X-508093	2015	5"	205
190T8C9Z-508083	2200	5"	205
190T8C9X-508110	2200	5"	205
190T8C10Z-508093	2385	5"	205
190T8C10X-508110	2385	5"	205
190T8C11Z-508110	2570	5"	205

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-8190T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

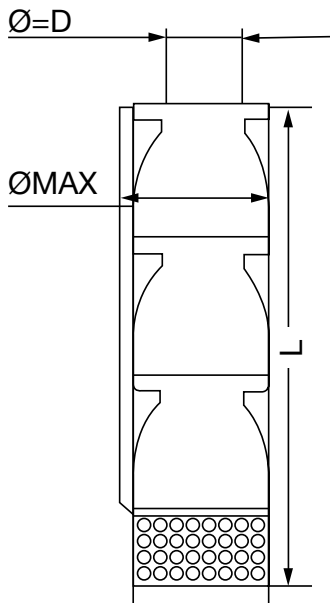
3* Performance curves are based on the kinematic viscosity $\nu = 1\text{mm}^2/\text{s}$ and density $\rho = 1000\text{ kg / m}^3$

FPS
T series

FPS-8220T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Trim	Motor Size	Order No.	Model Description	Weight (kg)
220	13	17.5	1	Z	6	985082206501	220T8C1Z-506013	46
	18.5	25	1	X	6	985082206001	220T8C1X-506018.5	47
	26	35	2	Z	6	985082206502	220T8C2Z-506026	60
	37	50	2	X	6	985082206002	220T8C2X-506037	61
	37	50	2	X	8	985082208002	220T8C2X-508037	61
	37	50	3	Z	6	985082206503	220T8C3Z-506037	74
	37	50	3	Z	8	985082208503	220T8C3Z-508037	74
	52	70	3	X	8	985082208003	220T8C3X-508052	76
	52	70	4	Z	8	985082208504	220T8C4Z-508052	90
	67	90	4	X	8	985082208004	220T8C4X-508067	90
	60	80	5	Z	8	985082208505	220T8C5Z-508060	105
	83	110	5	X	8	985082208005	220T8C5X-508083	105
	75	100	6	Z	8	985082208506	220T8C6Z-508075	119
	110	150	6	X	8	985082208006	220T8C6X-508110	119
	93	125	7	Z	8	985082208507	220T8C7Z-508093	130
	110	150	7	X	8	985082208007	220T8C7X-508110	130
	110	150	8	Z	8	985082208508	220T8C8Z-508110	145
	110	150	9	Z	8	985082208509	220T8C9Z-508110	159
	130	175	10	Z	8	985082208510	220T8C10Z-508130	174

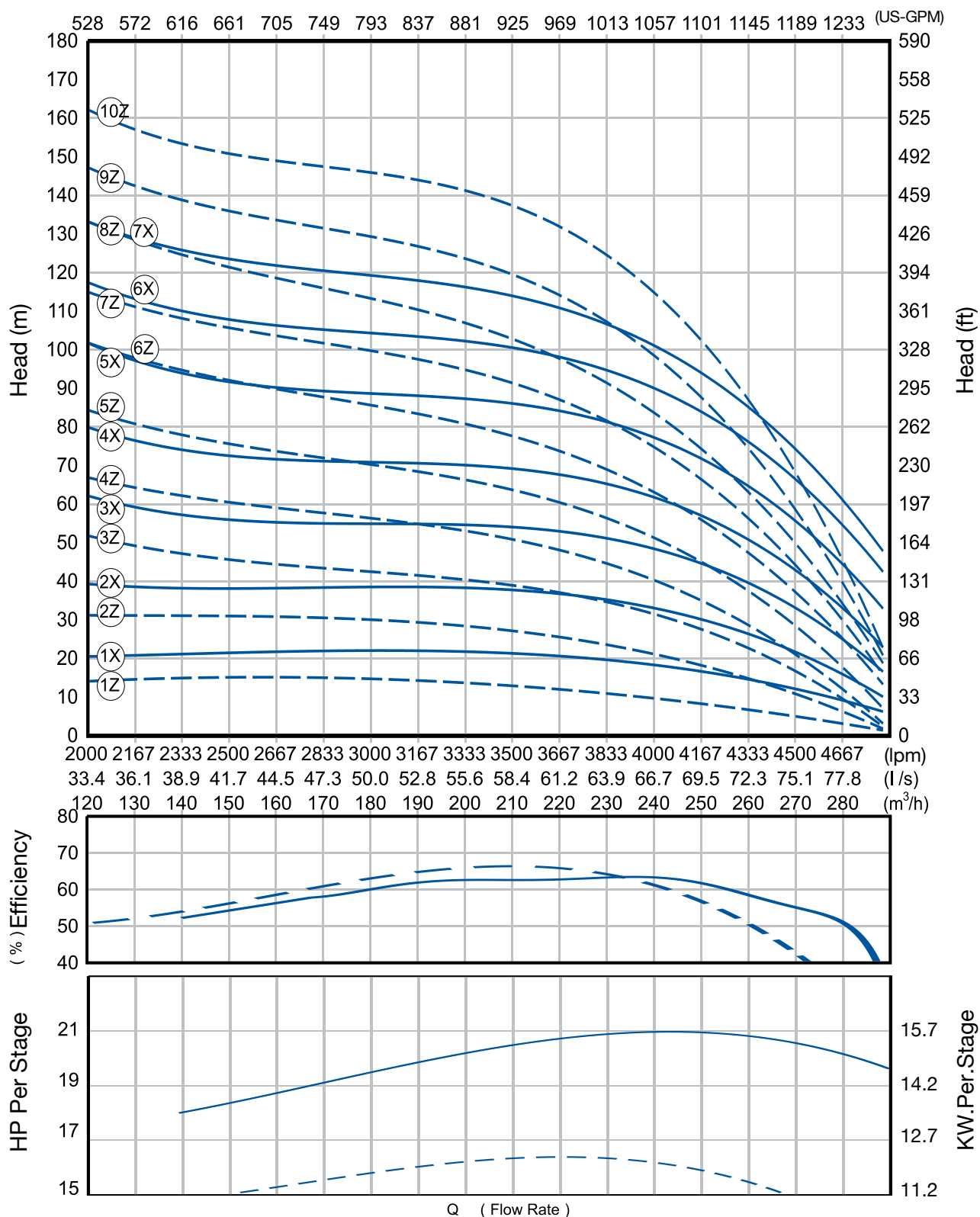


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
220T8C1Z-506013	720	5"	200
220T8C1X-506018.5	720	5"	200
220T8C2Z-506026	905	5"	205
220T8C2X-506037	905	5"	205
220T8C2X-508037	905	5"	205
220T8C3Z-506037	1090	5"	205
220T8C3Z-508037	1090	5"	205
220T8C3X-508052	1090	5"	205
220T8C4Z-508052	1275	5"	205
220T8C4X-508067	1275	5"	205
220T8C5Z-508060	1460	5"	205
220T8C5X-508083	1460	5"	205
220T8C6Z-508075	1645	5"	205
220T8C6X-508110	1645	5"	205
220T8C7Z-508093	1830	5"	205
220T8C7X-508110	1830	5"	205
220T8C8Z-508110	2015	5"	205
220T8C9Z-508110	2200	5"	205
220T8C10Z-508130	2385	5"	205

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 8 TPI, BSPP.

FPS-8220T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

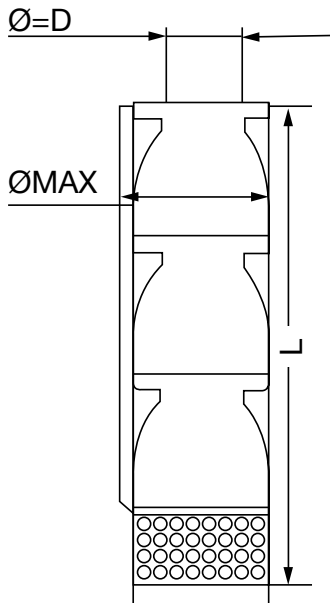
2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS-10200T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Trim	Motor Size	Order No.	Model Description	Weight (kg)
200	45	60	2	Z	8	985102008502	200T10C2Z-508045	98
	45	60	2	X	8	985102008002	200T10C2X-508045	98
	60	80	3	Z	8	985102008503	200T10C3Z-508060	125
	67	90	3	X	8	985102008003	200T10C3X-508067	125
	83	110	4	Z	8	985102008504	200T10C4Z-508083	152
	93	125	4	X	8	985102008004	200T10C4X-508093	152
	93	125	4	X	10	985102001004	200T10C4X-510093	152
	110	150	5	Z	8	985102008505	200T10C5Z-508110	179
	110	150	5	Z	10	985102001505	200T10C5Z-510110	179
	110	150	5	X	8	985102008005	200T10C5X-508110	179
	110	150	5	X	10	985102001005	200T10C5X-510110	179
	130	175	6	Z	10	985102001506	200T10C6Z-510130	206
	130	175	6	X	10	985102001006	200T10C6X-510130	206
	150	200	7	Z	10	985102001507	200T10C7Z-510150	233
	150	200	7	X	10	985102001007	200T10C7X-510150	233
	185	250	8	Z	10	985102001508	200T10C8Z-510185	260
	185	250	8	X	10	985102001008	200T10C8X-510185	260
	185	250	9	Z	10	985102001509	200T10C9Z-510185	287

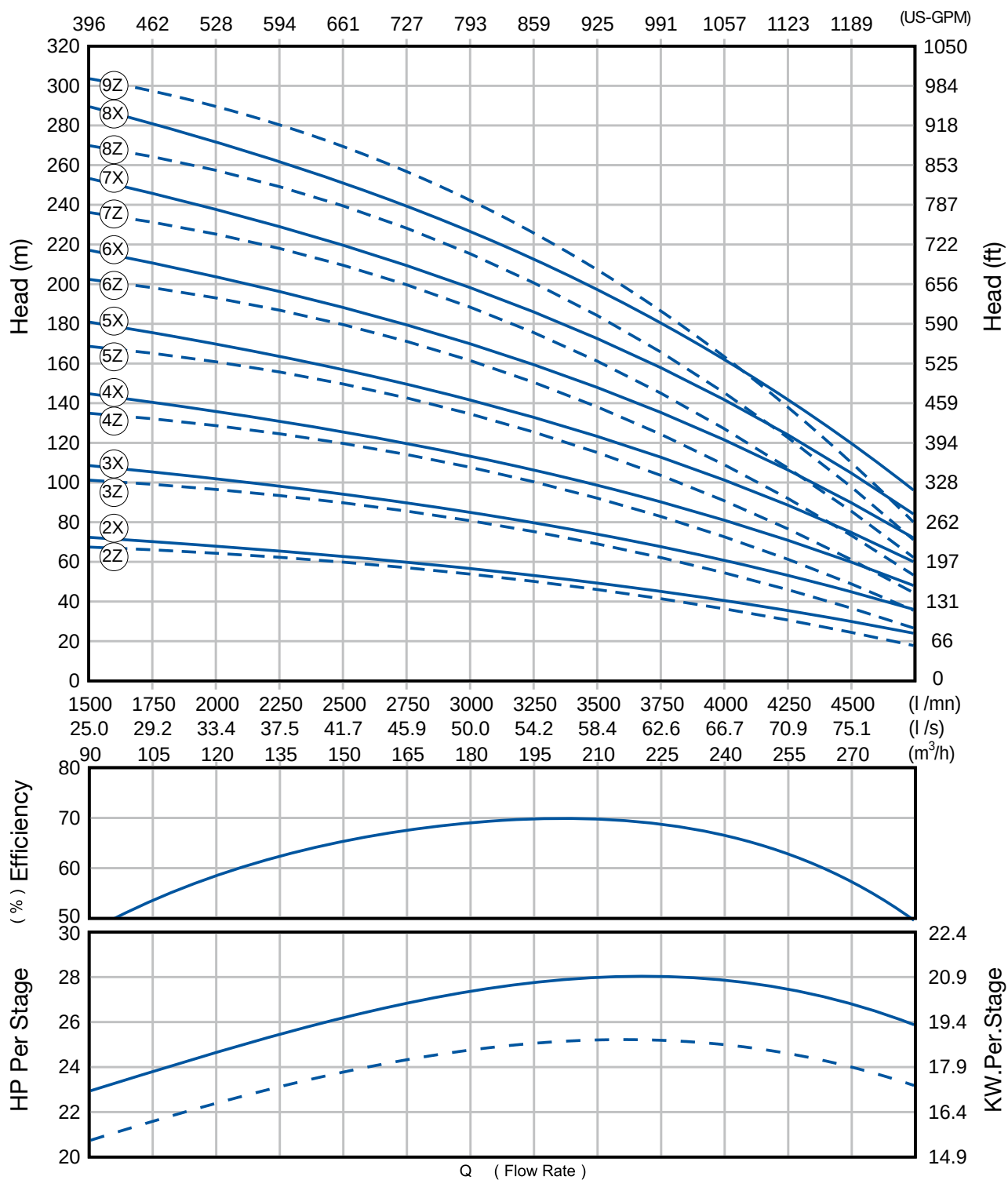


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
200T10C2Z-508045	940	6"	265
200T10C2X-508045	940	6"	265
200T10C3Z-508060	1130	6"	265
200T10C3X-508067	1130	6"	265
200T10C4Z-508083	1320	6"	265
200T10C4X-508093	1320	6"	265
200T10C4X-510093	1320	6"	265
200T10C5Z-508110	1510	6"	265
200T10C5Z-510110	1510	6"	265
200T10C5X-508110	1510	6"	265
200T10C5X-510110	1510	6"	265
200T10C6Z-510130	1700	6"	265
200T10C6X-510130	1700	6"	265
200T10C7Z-510150	1890	6"	265
200T10C7X-510150	1890	6"	265
200T10C8Z-510185	2080	6"	265
200T10C8X-510185	2080	6"	265
200T10C9Z-510185	2270	6"	265

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 11 TPI, BSPP.

FPS-10200T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

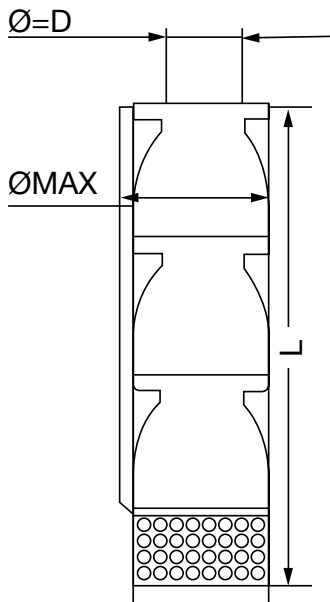
3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS
T series

FPS-10250T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Trim	Motor Size	Order No.	Model Description	Weight (kg)
250	30	40	1	Z	8	985102508501	250T10C1Z-508030	71
	37	50	1	X	8	985102508001	250T10C1X-508037	71
	55	75	2	Z	8	985102508502	250T10C2Z-508055	98
	67	90	2	X	8	985102508002	250T10C2X-508067	98
	93	125	3	Z	8	985102508503	250T10C3Z-508093	125
	110	150	3	X	8	985102508003	250T10C3X-508110	125
	110	150	3	X	10	985102501003	250T10C3X-510110	125
	110	150	4	Z	8	985102508504	250T10C4Z-508110	152
	110	150	4	Z	10	985102501504	250T10C4Z-510110	152
	130	175	4	X	8	985102508004	250T10C4X-508130	152
	130	175	4	X	10	985102501004	250T10C4X-510130	152
	150	200	5	Z	8	985102508505	250T10C5Z-508150	179
	150	200	5	Z	10	985102501505	250T10C5Z-510150	179
	185	250	5	X	10	985102501005	250T10C5X-510185	179
	185	250	6	Z	10	985102501506	250T10C6Z-510185	206

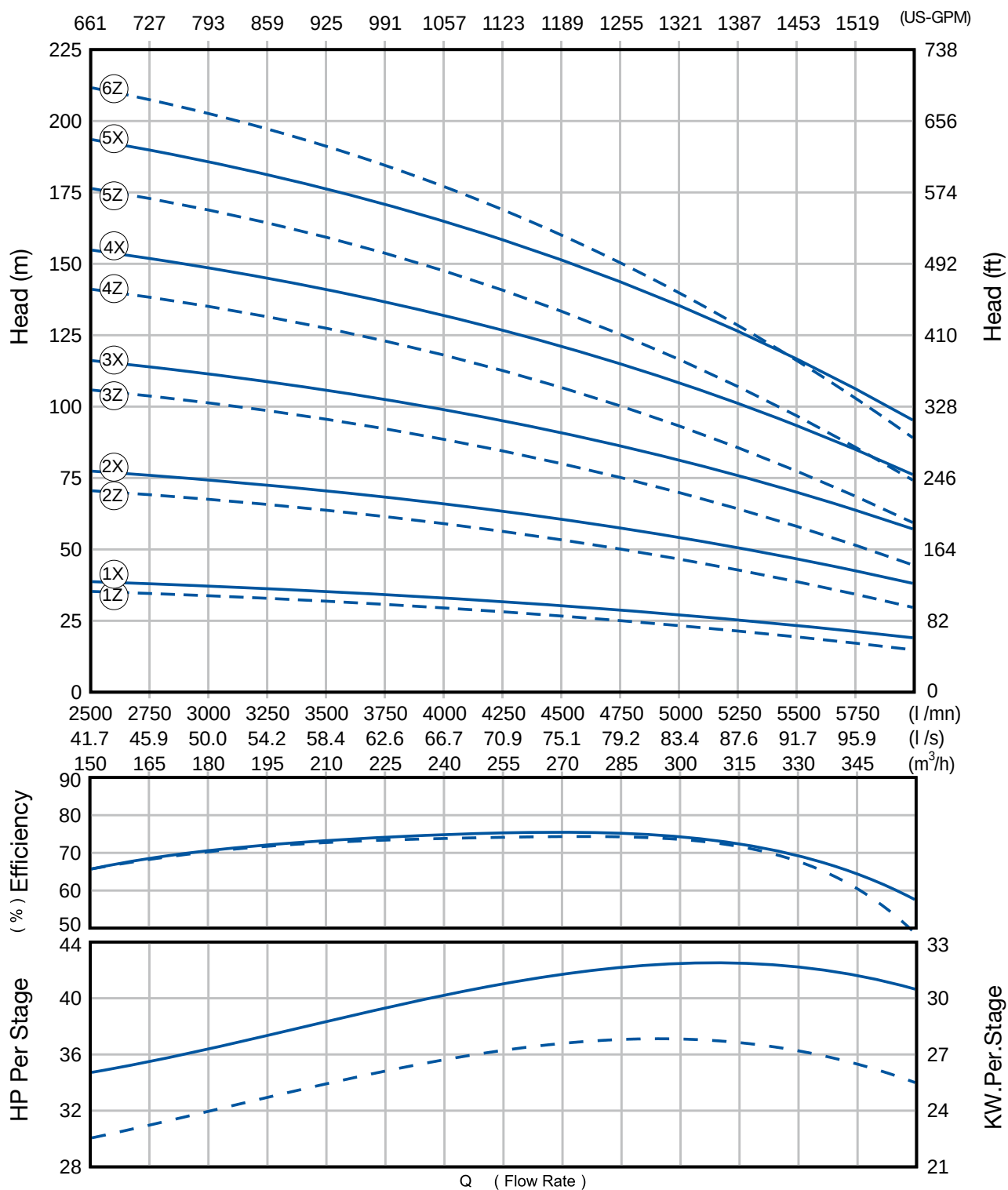


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
250T10C1Z-508030	750	6"	265
250T10C1X-508037	750	6"	265
250T10C2Z-508055	940	6"	265
250T10C2X-508067	940	6"	265
250T10C3Z-508093	1130	6"	265
250T10C3X-508110	1130	6"	265
250T10C3X-510110	1130	6"	265
250T10C4Z-508110	1320	6"	265
250T10C4Z-510110	1320	6"	265
250T10C4X-508130	1320	6"	265
250T10C4X-510130	1320	6"	265
250T10C5Z-508150	1510	6"	265
250T10C5Z-510150	1510	6"	265
250T10C5X-510185	1510	6"	265
250T10C6Z-510185	1700	6"	265

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 11 TPI, BSPP.

FPS-10250T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospherical pressure of 1 bar

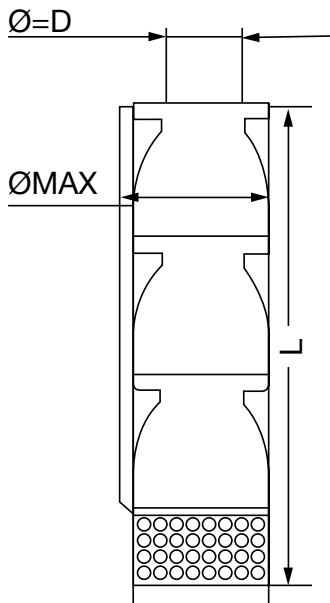
3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg} / \text{m}^3$

FPS
Tseries

FPS-10300T Ordering Information

Dimension Information

m3/h	kW	HP	# of Stages	Trim	Motor Size	Order No.	Model Description	Weight (kg)
300	37	50	1	Z	8	985103008501	300T10C1Z-508037	64
	45	60	1	X	8	985103008001	300T10C1X-508045	64
	67	90	2	Z	8	985103008502	300T10C2Z-508067	89
	83	110	2	X	8	985103008002	300T10C2X-508083	89
	110	150	3	Z	8	985103008503	300T10C3Z-508110	113
	110	150	3	Z	10	985103001503	300T10C3Z-510110	113
	110	150	3	X	8	985103008003	300T10C3X-508110	113
	110	150	3	X	10	985103001003	300T10C3X-510110	113
	150	200	4	Z	8	985103008504	300T10C4Z-508150	138
	150	200	4	Z	10	985103001504	300T10C4Z-510150	138
	150	200	4	X	8	985103008004	300T10C4X-508150	138
	150	200	4	X	10	985103001004	300T10C4X-510150	138
	185	250	5	Z	10	985103001505	300T10C5Z-510185	162
	185	250	5	X	10	985103001005	300T10C5X-510185	162

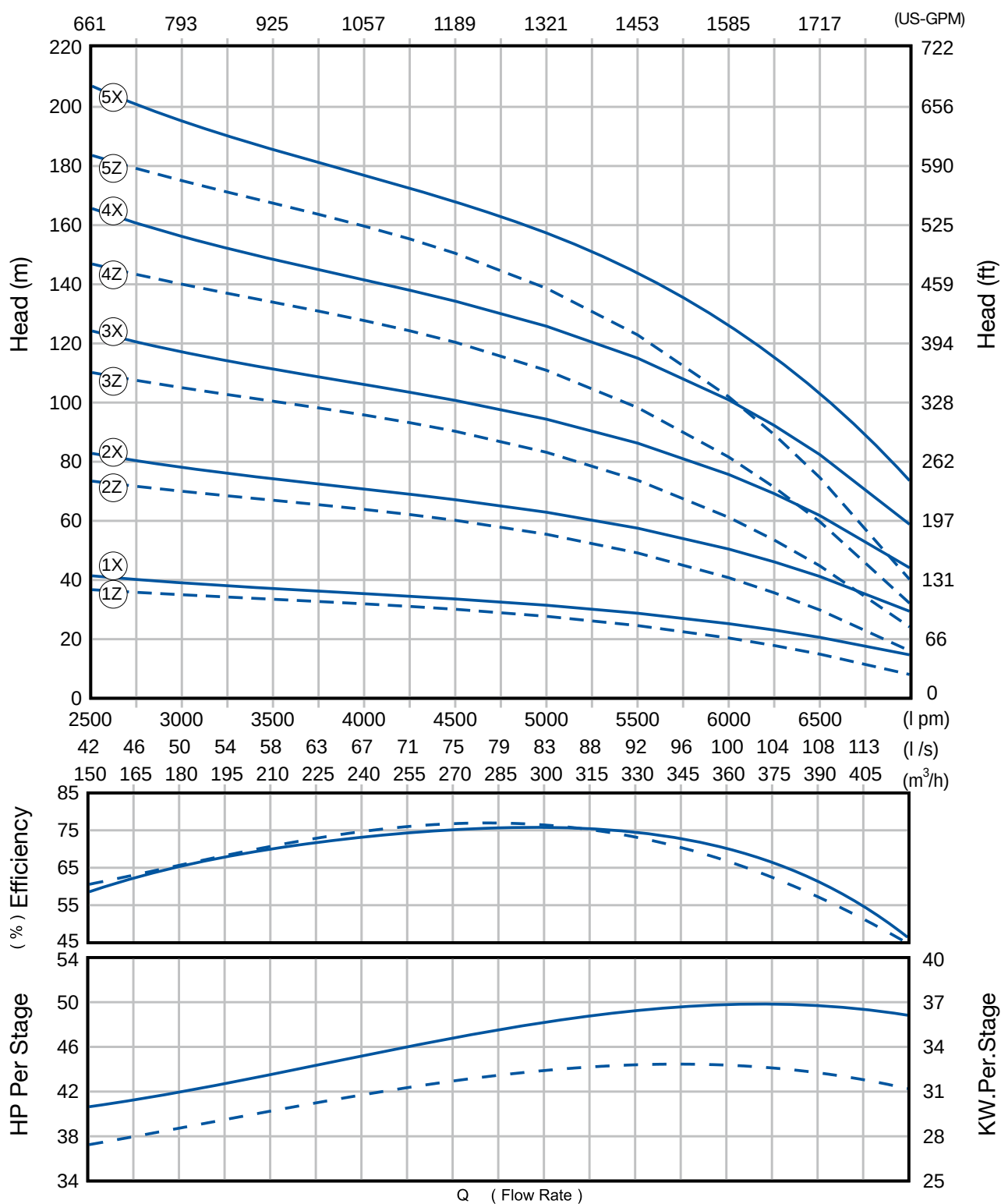


Model Description	Length (mm) - L	Discharge (in) - D	Max Ø (mm)
300T10C1Z-508037	735	6"	265
300T10C1X-508045	735	6"	265
300T10C2Z-508067	920	6"	265
300T10C2X-508083	920	6"	265
300T10C3Z-508110	1105	6"	265
300T10C3Z-510110	1105	6"	265
300T10C3X-508110	1105	6"	265
300T10C3X-510110	1105	6"	265
300T10C4Z-508150	1290	6"	265
300T10C4Z-510150	1290	6"	265
300T10C4X-508150	1290	6"	265
300T10C4X-510150	1290	6"	265
300T10C5Z-510185	1475	6"	265
300T10C5X-510185	1475	6"	265

Note: 1* Diameter (ØMax) includes cable guard.
2* Discharge is threaded, 11 TPI, BSPP.

FPS-10300T Performance Curve

50 Hz
2900 RPM



1* Tolerance of curves according to EN 9906 Appendix A

2* The hydraulic working characteristics have been calculated with water at 15°C at the atmospheric pressure of 1 bar

3* Performance curves are based on the kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$ and density $\rho = 1000 \text{ kg/m}^3$

FPS
Tseries