

FPS



50 HZ FT/FX/FC SERIES

Submersible Turbine Pumps

8", 10", 12", 14", 16"



50 Hz FT/FX/FC SERIES SUBMERSIBLE TURBINE PUMPS

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SPECIFICATIONS

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.

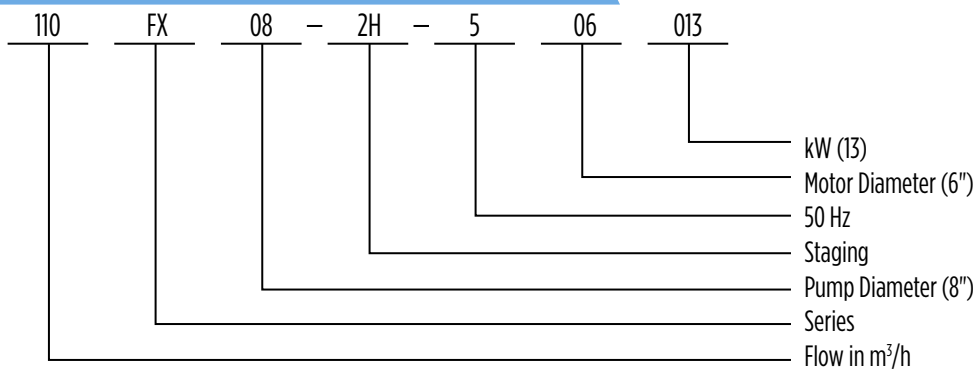
- 8": 110 and 140 m³/h
- 10": 180, 190, 200, and 295 m³/h
- 12": 300 and 400 m³/h
- 14": 440 and 650 m³/h
- 16": 990 m³/h

FEATURES

- 100% factory tested
- Cast iron discharge and suction bracket
- Cast iron bowls
- 10", 12", 14", and 16" sizes
- Cast iron impellers and diffusers (FT series); Cast iron + cathoporesis diffusers and stainless steel impellers (FX series); Carbon steel diffusers and impellers (FC series)
- 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
- Threaded discharge on 8" wet end; flanged discharge from 10" wet end
- Maximum running time at zero delivery is 2 minutes
- Optional cathoporesis coatings
- Optional 316 Stainless steel impellers

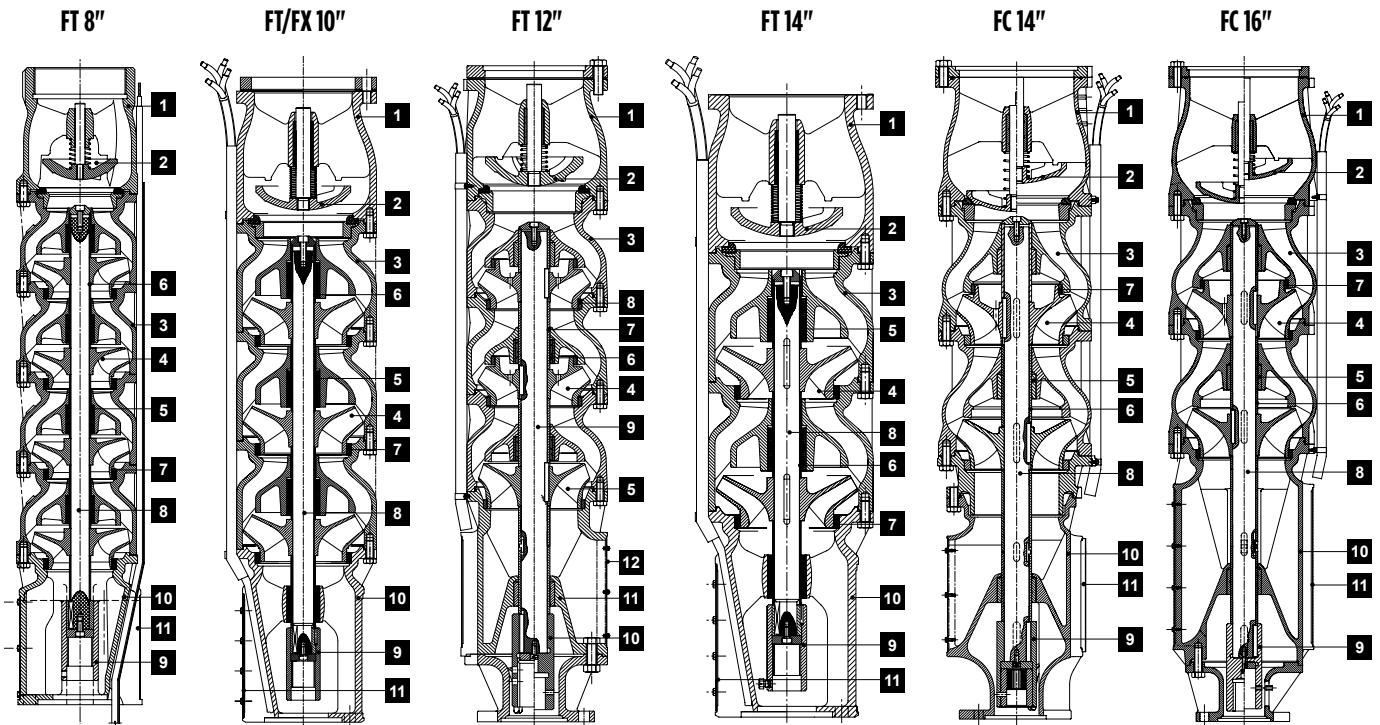


MODEL NOMENCLATURE



PARTS & MATERIALS

Item	Part	FX 8"	FT 10"	FX 10"	FT 12"	FT 14"	FC 14"	FC 16"
1	Delivery Bowl	Cast Iron + Cataphoresis	Cast Iron	Cast Iron + Cataphoresis	Cast Iron	Cast Iron	Carbon Steel	Carbon Steel
2	Retaining Valve	Stainless Steel	Cast Iron	Cast Iron + Cataphoresis	Cast Iron	Cast Iron	Carbon Steel	Carbon Steel
3	Diffuser	Cast Iron + Cataphoresis	Cast Iron + Cataphoresis	Cast Iron + Cataphoresis	Cast Iron	Cast Iron	Carbon Steel + Cataphoresis	Carbon Steel + Cataphoresis
4	Impeller	AISI 304SS	Cast Iron + Cataphoresis	AISI 304SS	Cast Iron + Cataphoresis	Cast Iron	Carbon Steel	Carbon Steel
5	Journal Bearing	Rubber	Rubber	Rubber	Rubber	Rubber	Bronze	Bronze
6	Bush	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass	Bronze	Chrome-plated brass	Bronze	Bronze
7	Wear Ring	Rubber	Rubber	Rubber	Bronze	Bronze	POM	POM
8	Pump Shaft	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
9	Coupling	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
10	Suction Bowl	Cast Iron + Cataphoresis	Cast Iron	Cast Iron + Cataphoresis	Cast Iron	Cast Iron	Carbon Steel	Carbon Steel
11	Suction Grid	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	AISI 316SS	AISI 316SS
12	Suction Impeller	AISI 304SS	Cast Iron + Cataphoresis	AISI 304SS	AISI 316SS	Cast Iron	Carbon Steel + Cataphoresis	Carbon Steel + Cataphoresis



8" 110 M³/H - ORDERING INFORMATION

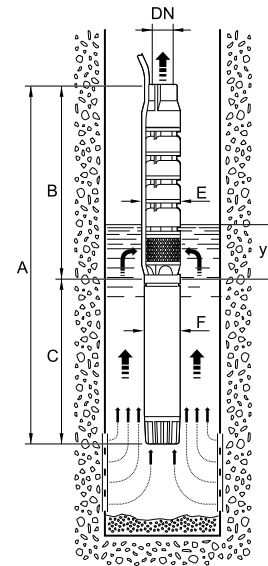
Model	Order No.	kW	HP	Stages	Trim	Motor Size
110FX08-2H-506013	96508110300	13	17.5	2	H	6"
110FX08-3G-506018	96508110305	18.5	25	3	G	6"
110FX08-3B-506022	96508110310	22	30	3	B	6"
110FX08-4F-506026	96508110315	26	35	4	F	6"
110FX08-5I-506030	96508110320	30	40	5	I	6"
110FX08-5F-506033	96508110325	33	45	5	F	6"
110FX08-5G-508033	96508110330	33	45	5	G	8"
110FX08-6H-506037	96508110335	37	50	6	H	6"
110FX08-6L-508037	96508110340	37	50	6	L	8"
110FX08-6F-508040	96508110345	40	55	6	F	8"
110FX08-6B-508045	96508110350	45	60	6	B	8"
110FX08-7C-508051	96508110355	51.5	70	7	C	8"
110FX08-9L-508055	96508110360	55	75	9	L	8"
110FX08-9G-508059	96508110365	59	80	9	G	8"
110FX08-9B-508066	96508110370	66	90	9	B	8"
110FX08-10B-508075	96508110375	75	100	10	B	8"
110FX08-11B-508092	96508110380	92	125	11	B	8"
110FX08-13E-508092	96508110385	92	125	13	E	8"
110FX08-14C-508110	96508110390	110	150	14	C	8"
110FX08-15C-508110	96508110395	110	150	15	C	8"

8" 110 M³/H - HYDRAULIC PERFORMANCE

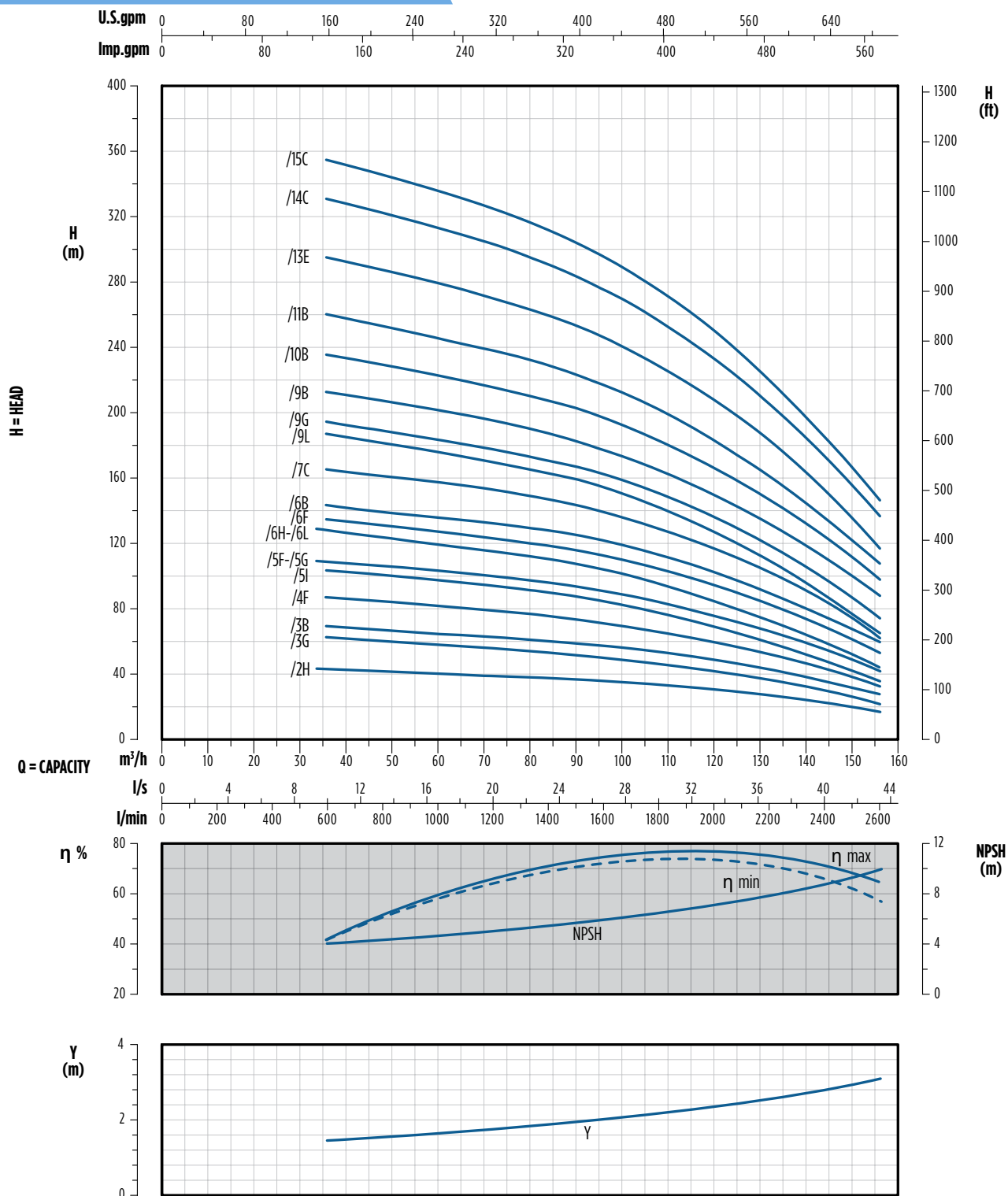
Model	Rated Power		Capacity												
	kW	HP	l/min	0	600	1100	1400	1600	1700	1800	1900	2000	2100	2300	2600
			m ³ /h	0	36	66	84	96	102	108	114	120	126	138	156
			l/s	0	10	18.3	23.3	26.7	28.3	30	31.7	33.3	35	38.3	43.3
			Head in Meters (m)	47.5	42.5	39.5	37	35.5	34.5	33.5	32	30.5	28.5	24.5	17
110FX08-2H-506013	13	17.5	69.5	63	57.5	53	50.5	49	47	45	42	39.5	33	22	
110FX08-3G-506018	18.5	25	76	69	64	60.5	57.5	56	54	51.5	49	46	39	27.5	
110FX08-3B-506022	22	30	95	87.5	80.5	75.5	72	69.5	67	63.5	60	56	47.5	32.5	
110FX08-4F-506026	26	35	112.5	103.5	95	89	84	81.5	78	74	69.5	64.5	53.5	35.5	
110FX08-5I-506030	30	40	118	109.5	101.5	95.5	91	88	85	80.5	76	71	60.5	41.5	
110FX08-5F-506033	33	45	118	109.5	101.5	95.5	91	88	85	80.5	76	71	60.5	41.5	
110FX08-5G-508033	33	45	137.5	126	117	109.5	103.5	100	96	90.5	85	79	66	45	
110FX08-6H-506037	37	50	137.5	126	117	109.5	103.5	100	96	90.5	85	79	66	45	
110FX08-6L-508037	37	50	144.5	134	124.5	117.5	112	109	105.5	100.5	95	89	76	53.5	
110FX08-6F-508040	40	55	155.5	144	134.5	127	121	117.5	113.5	108.5	102.5	96.5	83	59.5	
110FX08-6B-508045	45	60	178.5	165.5	154	146	139	135	130.5	124.5	117.5	110	92.5	63.5	
110FX08-7C-508051	51.5	70	200.5	186	171.5	161.5	154	149	143	136	127.5	118.5	98.5	66	
110FX08-9L-508055	55	75	209	194.5	180	170	162	157	152	146	137.5	128.5	108.5	74.5	
110FX08-9G-508059	59	80	225.5	212	196.5	185.5	176.5	171.5	165.5	159.0	150.5	141.0	121.0	88.0	
110FX08-9B-508066	66	90	251.0	235.5	218	206	196	190.5	184	177	167.5	157	134.5	97.5	
110FX08-10B-508075	75	100	276	259	240	226.5	215.5	209.5	202.5	194.5	184	172.5	147.5	107.5	
110FX08-11B-508092	92	125	313	294	272	257	244.5	238	230	221	209	196.5	167.5	117.5	
110FX08-13E-508092	92	125	351	329.5	305.5	288.5	274.5	266.5	257.5	247.5	234	219.5	188	137	
110FX08-14C-508110	110	150	376	353	327.5	309	294	285.5	276	265.5	251	235.5	201.5	146.5	
110FX08-15C-508110	110	150													

8" 110 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					Pump	Motor
110FX08-2H-506013	*	729	*	5"	196	142	1200	43	*
110FX08-3G-506018	*	886	*	5"	196	142	1200	55	*
110FX08-3B-506022	*	886	*	5"	196	142	1200	55	*
110FX08-4F-506026	*	1043	*	5"	196	142	1200	67	*
110FX08-5I-506030	*	1200	*	5"	196	142	1200	79	*
110FX08-5F-506033	*	1200	*	5"	198	142	1200	79	*
110FX08-5G-508033	*	1200	*	5"	198	142	1200	79	*
110FX08-6H-506037	*	1357	*	5"	198	142	1200	91	*
110FX08-6L-508037	*	1357	*	5"	198	142	1200	91	*
110FX08-6F-508040	*	1357	*	5"	198	190	1200	93	*
110FX08-6B-508045	*	1357	*	5"	198	190	1200	93	*
110FX08-7C-508051	*	1514	*	5"	198	190	1200	105	*
110FX08-9L-508055	*	1828	*	5"	198	190	1200	129	*
110FX08-9G-508059	*	1828	*	5"	198	190	1200	129	*
110FX08-9B-508066	*	1828	*	5"	200	190	1200	129	*
110FX08-10B-508075	*	1985	*	5"	200	190	1200	142	*
110FX08-11B-508092	*	2142	*	5"	202	190	1200	154	*
110FX08-13E-508092	*	2456	*	5"	202	190	1200	178	*
110FX08-14C-508110	*	2613	*	5"	202	190	1200	190	*
110FX08-15C-508110	*	2770	*	5"	202	190	1200	203	*



8" 110 M³/H - PERFORMANCE CURVE



NOTES:

- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
- Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C
- Efficiency reduction /2 = -3 /3 = -2 /4 = -1

8" 140 M³/H - ORDERING INFORMATION

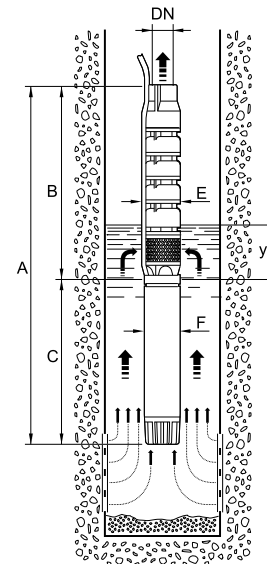
Model	Order No.	kW	HP	Stages	Trim	Motor Size
140FX08-2M-506013	96508140300	13	17.5	2	M	6"
140FX08-2F-506015	96508140305	15	20	2	F	6"
140FX08-2C-506016	96508140310	16.5	22.5	2	C	6"
140FX08-3N-506018	96508140315	18.5	25	3	N	6"
140FX08-3L-506020	96508140320	20	27.5	3	L	6"
140FX08-3B-506026	96508140325	26	35	3	B	6"
140FX08-4E-506030	96508140330	30	40	4	E	6"
140FX08-4C-506033	96508140335	33	45	4	C	6"
140FX08-4D-508033	96508140340	33	45	4	D	8"
140FX08-5F-506037	96508140345	37	50	5	F	6"
140FX08-5G-508037	96508140350	37	50	5	G	8"
140FX08-5E-508040	96508140355	40	55	5	E	8"
140FX08-6F-508045	96508140360	45	60	6	F	8"
140FX08-7G-508051	96508140365	51.5	70	7	G	8"
140FX08-7E-508055	96508140370	55	75	7	E	8"
140FX08-8G-508059	96508140375	59	80	8	G	8"
140FX08-9G-508066	96508140380	66	90	9	G	8"
140FX08-9C-508075	96508140385	75	100	9	C	8"
140FX08-11C-508092	96508140390	92	125	11	C	8"
140FX08-13C-508110	96508140395	110	150	13	C	8"

8" 140 M³/H - HYDRAULIC PERFORMANCE

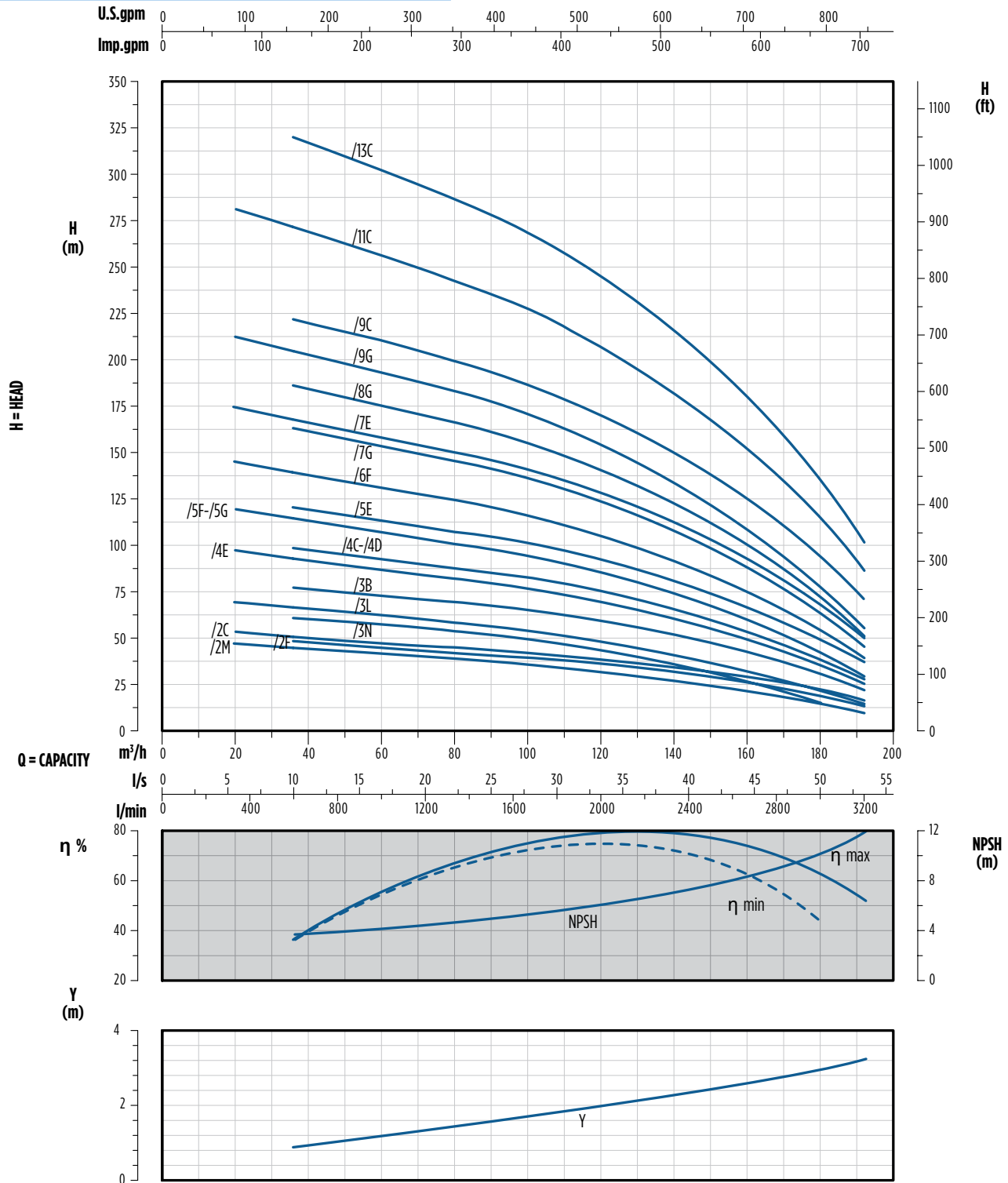
Model	Rated Power		Capacity													
			l/min	0	600	1200	1600	1800	2000	2200	2400	2600	2800	3000	3200	
	kW	HP		m ³ /h	0	36	72	96	108	120	132	144	156	168	180	192
			l/s	0	10	20	26.7	30	33.3	36.7	40	43.3	46.7	50	53.3	
			Head in Meters (m)	47.5	42	37.5	34.5	33	30.5	28	24.5	20.5	16	12	8.5	
140FX08-2M-506013	13	17.5	52	46	41	38.5	36.5	34.5	32	29	25	21	16.5	12		
140FX08-2F-506015	15	20	55	48.5	43.5	41	39	37	34.5	31	27	23	19	15.5		
140FX08-2C-506016	16.5	22.5	63.5	58.5	53.5	49	45.5	42	37	32	26	20	14	—		
140FX08-3N-506018	18.5	25	70	64	57.5	53	50.5	47	42.5	37.5	31.5	25	19	13.5		
140FX08-3L-506020	20	27.5	82.5	75	68.5	64	61	58	54.5	49.5	43	36	29.5	22		
140FX08-3B-506026	26	35	101	90	82	76.5	72.5	68.5	63	56.5	49.5	41.5	33	24		
140FX08-4E-506030	30	40	106	95	88	82	78	73.5	68	61.5	54	45.5	36.5	26.5		
140FX08-4C-506033	33	45	106	95	88	82	78	73.5	68	61.5	54	45.5	36.5	26.5		
140FX08-4D-508033	33	45	121.5	111	101.5	94	89	84	77.5	69	60	50	39.5	28		
140FX08-5F-506037	37	50	121.5	111	101.5	94	89	84	77.5	69	60	50	39.5	28		
140FX08-5G-508037	37	50	128.5	118	108	100	95.5	90.5	84.5	77	68	58.5	47.5	35.5		
140FX08-5E-508040	40	55	151	135.5	125	116	110.5	104	96.5	86.5	76	64	51.5	38		
140FX08-6F-508045	45	60	176	159.5	147	137	130.5	123	114	102	89	75	60	44.5		
140FX08-7G-508051	51.5	70	181	164	151.5	141.5	135.5	128	119	107	94	80	65	49.5		
140FX08-7E-508055	55	75	201.5	182	168	156.5	149.5	140.5	130	117	102	85.5	68.5	51		
140FX08-8G-508059	59	80	220	200.5	185	171.5	163	153.5	141.5	127	110.5	93	74	54		
140FX08-9G-508066	66	90	238	219.5	201.5	187	178.5	169	158	143.5	128	110.5	91	69.5		
140FX08-9C-508075	75	100	291	268.5	246.5	228.5	218	206.5	193	175.5	156.5	135	111	85		
140FX08-11C-508092	92	125	343.5	317	291	270	258	244	228	207.5	185	159.5	131.5	100.5		
140FX08-13C-508110	110	150														

8" 140 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					GAS	Ø MAX
140FX08-2M-506013	*	729	*	5"	196	142	1200	43	*
140FX08-2F-506015	*	729	*	5"	196	142	1200	43	*
140FX08-2C-506016	*	729	*	5"	196	142	1200	43	*
140FX08-3N-506018	*	886	*	5"	196	142	1200	55	*
140FX08-3L-506020	*	886	*	5"	196	142	1200	55	*
140FX08-3B-506026	*	886	*	5"	196	142	1200	55	*
140FX08-4E-506030	*	1043	*	5"	196	142	1200	67	*
140FX08-4C-506033	*	1043	*	5"	198	142	1200	67	*
140FX08-4D-508033	*	1043	*	5"	198	190	1200	67	*
140FX08-5F-506037	*	1200	*	5"	198	142	1200	79	*
140FX08-5G-508037	*	1200	*	5"	198	190	1200	81	*
140FX08-5E-508040	*	1200	*	5"	198	190	1200	81	*
140FX08-6F-508045	*	1357	*	5"	198	190	1200	93	*
140FX08-7G-508051	*	1514	*	5"	198	190	1200	105	*
140FX08-7E-508055	*	1514	*	5"	198	190	1200	105	*
140FX08-8G-508059	*	1671	*	5"	198	190	1200	117	*
140FX08-9G-508066	*	1828	*	5"	200	190	1200	129	*
140FX08-9C-508075	*	1828	*	5"	200	190	1200	129	*
140FX08-11C-508092	*	2142	*	5"	202	190	1200	154	*
140FX08-13C-508110	*	2456	*	5"	202	190	1200	178	*



8" 140 M³/H - PERFORMANCE CURVE



NOTES:

- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
- Efficiency reduction /2 = -2 /3 = -1 /4 = -
- Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C

10" 180 M³/H - ORDERING INFORMATION

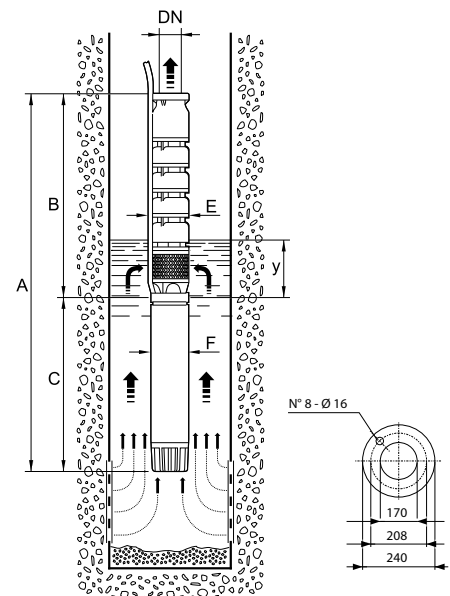
Model	Order No.	kW	HP	Stages	Trim	Motor Size
180FT10-1B-506018	96510180105	18.5	25	1	B	6"
180FT10-2I-506022	96510180110	22	30	2	I	6"
180FT10-2F-506030	96510180115	30	40	2	F	6"
180FT10-2C-508037	96510180120	37	50	2	C	8"
180FT10-3G-508045	96510180125	45	60	3	G	8"
180FT10-3C-508055	96510180130	55	75	3	C	8"
180FT10-4B-508075	96510180135	75	100	4	B	8"
180FT10-5B-508093	96510180140	93	125	5	B	8"
180FT10-6B-510110	96510180145	110	150	6	B	10"
180FT10-7B-510130	96510180150	130	175	7	B	10"
180FT10-8B-510150	96510180155	150	200	8	B	10"
180FT10-10B-510185	96510180160	185	250	10	B	10"

10" 180 M³/H - HYDRAULIC PERFORMANCE

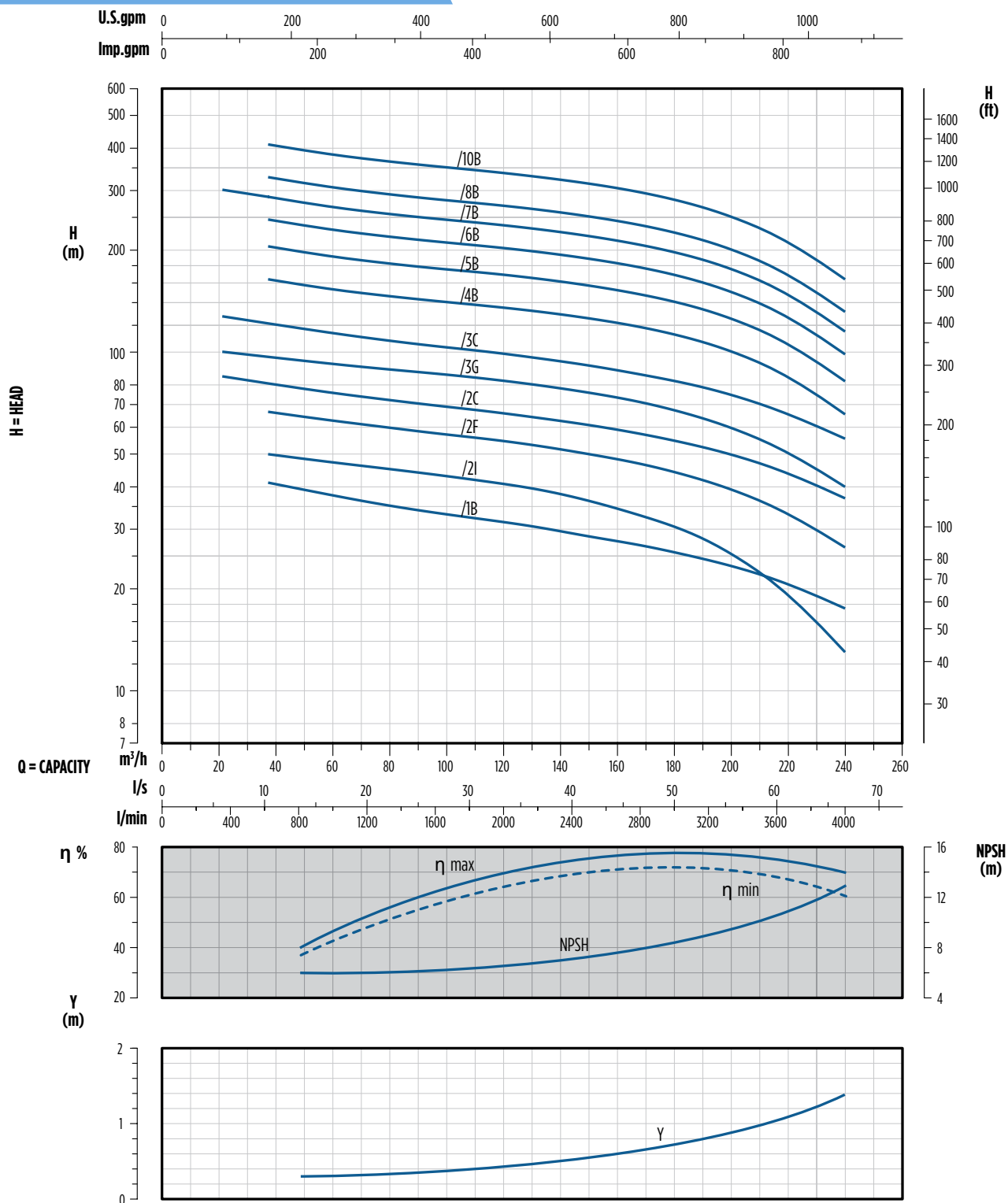
Model	Rated Power		Capacity													
			l/min	0	800	1200	1600	1900	2200	2500	2800	3000	3200	3400	3700	400
	kW	HP	m ³ /h	0	48	72	96	114	132	150	168	180	192	204	222	240
			l/s	0	13.3	20	26.7	31.7	36.7	41.7	46.7	50	53.3	56.7	61.7	66.5
			Head in Meters (m)	47.5	39.5	36	33.5	32	30.5	28.5	27	25.5	24.5	23	20.5	17.5
180FT10-1B-506018	18.5	25		55	48.5	46	43.5	41.5	39.5	36.5	33	31	28	24.5	19.5	13
180FT10-2I-506022	22	30		74	64.5	61	57.5	55.5	53	50	47	44.5	41.5	38.5	33	26.5
180FT10-2F-506030	30	40		90.5	78	73.5	69.5	67	64	61	57.5	55	52	49	43.5	37
180FT10-2C-508037	37	50		105	94.5	90	86.5	83.5	80	76	71.5	67.5	63.5	58.5	50	40
180FT10-3G-508045	45	60		136	118	110	104	101	96	91.5	86	82.5	78	73.5	65	55.5
180FT10-3C-508055	55	75		186	158	148.5	142	137	132	126	119	113	107	102.5	84	65.5
180FT10-4B-508075	75	100		233	197	186	177	172	165	158	149	142	133	123	105	82
180FT10-5B-508093	92	125		280	237	223	212	206	198	189	179	170	160	148	126	98.5
180FT10-6B-510110	110	150		326	276	260	248	240	231	221	208	198	187	173	147	115
180FT10-7B-510130	130	175		373	316	297	283	274	264	252	238	227	213	197	168	132
180FT10-8B-510150	150	200		466	394	371	354	343	330	315	298	283	266	246	210	164
180FT10-10B-510185	185	250														

10" 180 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					Pump	Motor
180FT10-1B-506018	*	687	*	6"	247	142	6000	62	*
180FT10-2I-506022	*	847	*	6"	247	142	6000	82	*
180FT10-2F-506030	*	847	*	6"	247	142	6000	82	*
180FT10-2C-508037	*	867	*	6"	249	190	6000	87	*
180FT10-3G-508045	*	1047	*	6"	249	190	6000	108	*
180FT10-3C-508055	*	1047	*	6"	249	190	6000	109	*
180FT10-4B-508075	*	1227	*	6"	249	190	6000	130	*
180FT10-5B-508093	*	1407	*	6"	249	190	6000	151	*
180FT10-6B-510110	*	1671	*	6"	249	237	6000	184	*
180FT10-7B-510130	*	1851	*	6"	249	237	6000	208	*
180FT10-8B-510150	*	2031	*	6"	249	237	6000	229	*
180FT10-10B-510185	*	2391	*	6"	249	237	6000	271	*



10" 180 M³/H - PERFORMANCE CURVE



NOTES:

- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
- Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C
- Efficiency reduction /1 = -3 /2 = -2 /3 = -1

10" 190 M³/H - ORDERING INFORMATION

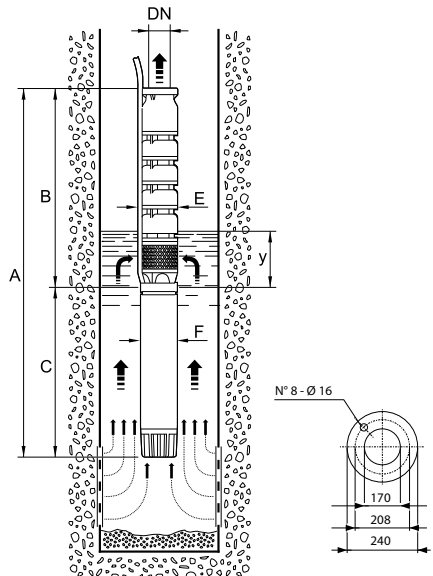
Model	Order No.	kW	HP	Stages	Trim	Motor Size
190FX10-1M-506011	96510190300	11	15	1	M	6"
190FX10-1L-506013	96510190305	13	17.5	1	L	6"
190FX10-1H-506015	96510190310	15	20	1	H	6"
190FX10-1G-506016	96510190315	16.5	22.5	1	G	6"
190FX10-1C-506018	96510190320	18.5	25	1	C	6"
190FX10-1A-506020	96510190325	20	27.5	1	A	6"
190FX10-2M-506022	96510190330	22	30	2	M	6"
190FX10-2L-506026	96510190335	26	35	2	L	6"
190FX10-2H-506030	96510190340	30	40	2	H	6"
190FX10-2G-508033	96510190345	33	45	2	G	8"
190FX10-2E-508037	96510190350	37	50	2	E	8"
190FX10-2B-508040	96510190355	40	55	2	B	8"
190FX10-3H-508045	96510190360	45	60	3	H	8"
190FX10-3G-508051	96510190365	51.5	70	3	G	8"
190FX10-3E-508055	96510190370	55	75	3	E	8"
190FX10-3B-508059	96510190375	59	80	3	B	8"
190FX10-4G-508066	96510190380	66	90	4	G	8"
190FX10-4D-508075	96510190385	75	100	4	D	8"
190FX10-5I-508075	96510190390	75	100	5	I	8"
190FX10-5F-508092	96510190395	92	125	5	F	8"
190FX10-6I-508092	96510190400	92	125	6	I	8"
190FX10-6F-510110	96510190405	110	150	6	F	10"
190FX10-7H-510110	96510190410	110	150	7	H	10"
190FX10-7E-510130	96510190415	130	175	7	E	10"
190FX10-8D-510150	96510190420	150	200	8	D	10"
190FX10-9D-510170	96510190425	170	230	9	D	10"
190FX10-10E-510185	96510190430	185	250	10	E	10"

10" 190 M³/H - HYDRAULIC PERFORMANCE

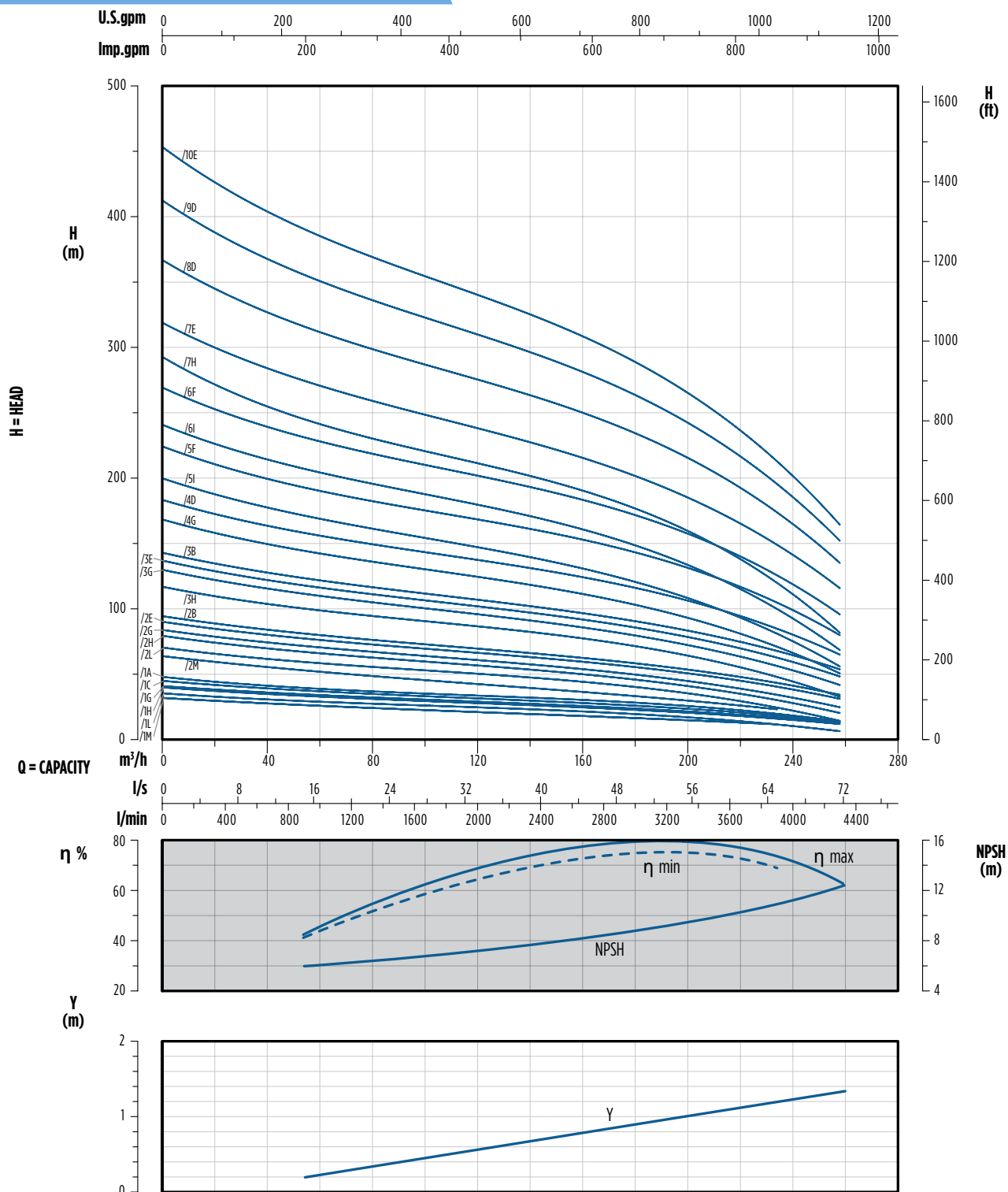
Model	Rated Power		l/min m ³ /h l/s	Capacity												
	kW	HP		Head in Meters (m)												
				0	1000	1400	1800	2200	2500	2800	3000	3200	3500	3900	4300	
190FX10-1M-506011	11	15	32	25.5	24	22	20.5	19	17.5	16.5	15	12.5	9	—		
190FX10-1L-506013	13	17.5	35.5	29	27	25.5	24	22.5	21	19.5	18	15.5	11.5	6.5		
190FX10-1H-506015	15	20	40	33	30.5	29	27	25.5	24	23	21.5	19	16	12		
190FX10-1G-506016	16.5	22.5	41	34	32	30	28	26.5	25	24	22.5	20	17	13		
190FX10-1C-506018	18.5	25	45	37	34.5	32.5	30.5	29	27.5	26	24.5	22	18.5	14		
190FX10-1A-506020	20	27.5	48	39	36.5	34.5	32.5	31.5	29.5	28.5	27	24	19.5	14		
190FX10-2M-506022	22	30	64	51.5	48	44.5	41	38.5	35.5	33	30	25.5	17.5	—		
190FX10-2L-506026	26	35	70.5	58.5	55	52	48.5	46	43	40.5	37.5	32.5	24	14.5		
190FX10-2H-506030	30	40	79.5	66	62	58.5	55	52	48.5	46	43	38	30	20.5		
190FX10-2G-508033	33	45	84	70.5	66.5	62.5	59	56	52.5	50	47	41.5	34	25		
190FX10-2E-508037	37	50	90	77	72	68	64	61	58	56	53	48	40.5	31		
190FX10-2B-508040	40	55	94.5	80	75.5	71.5	67.5	64.5	61	59	55.5	50.5	43	34.5		
190FX10-3H-508045	45	60	117	99	93.5	89	84	80	75.5	72	67.5	59.5	47.5	33		
190FX10-3G-508051	51.5	70	130	110	104	98.5	93	88.5	84	80	75.5	67.5	56	42		
190FX10-3E-508055	55	75	137	116.5	110	104.5	99	94.5	90	86.5	81.5	73.5	62.5	48.5		
190FX10-3B-508059	59	80	143	122	115.5	109.5	104	99.5	94.5	91.5	86.5	78.5	67.5	54		
190FX10-4G-508066	66	90	168.5	142.5	134.5	128	121	115	108.5	104	97.5	86.5	70.5	51		
190FX10-4D-508075	75	100	183.5	156	148	141	133.5	128	121.5	117	110.5	100	84	65.5		
190FX10-5I-508075	75	100	200	169	159.5	151.5	142.5	135.5	127.5	121.5	113.5	100.5	80	56.5		
190FX10-5F-508092	92	125	224	192	180.5	171.5	163	157	150	144.5	137	124	104	80		
190FX10-6I-508092	92	125	241	204.5	193.5	184.5	174.5	166.5	156.5	149.5	140	124	99	69		
190FX10-6F-510110	110	150	269	230	216.5	205.5	195.5	188.5	180	173	164	149	124.5	96		
190FX10-7H-510110	110	150	283	241.5	227.5	216.5	205.5	197	186.5	178.5	167	147.5	118	83		
190FX10-7E-510130	130	175	319	271	256.5	244	231.5	222	211	203	192.5	174	148	116.5		
190FX10-8D-510150	150	200	366.5	314	295.5	281	267	256.5	245	236.5	224.5	203.5	172.5	135.5		
190FX10-9D-510170	170	230	412	353.5	332.5	316	300.5	288.5	275.5	266	252.5	229	194	152.5		
190FX10-10E-510185	185	250	453	388	365	347	330	317	302	291.5	276.5	250	211	165		

10" 190 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					Ø	Ø MAX
190FX10-1M-506011	*	687	*	6"	247	142	4000	61	*
190FX10-1L-506013	*	687	*	6"	247	142	4000	61	*
190FX10-1H-506015	*	687	*	6"	247	142	4000	61	*
190FX10-1G-506016	*	687	*	6"	247	142	4000	61	*
190FX10-1C-506018	*	687	*	6"	247	142	4000	61	*
190FX10-1A-506020	*	687	*	6"	247	142	4000	62	*
190FX10-2M-506022	*	847	*	6"	247	142	4000	82	*
190FX10-2L-506026	*	847	*	6"	247	142	4000	82	*
190FX10-2H-506030	*	847	*	6"	247	142	4000	82	*
190FX10-2G-508033	*	867	*	6"	249	190	4000	87	*
190FX10-2E-508037	*	867	*	6"	249	190	4000	87	*
190FX10-2B-508040	*	867	*	6"	249	190	4000	87	*
190FX10-3H-508045	*	1047	*	6"	249	190	4000	108	*
190FX10-3G-508051	*	1047	*	6"	249	190	4000	108	*
190FX10-3E-508055	*	1047	*	6"	249	190	4000	108	*
190FX10-3B-508059	*	1047	*	6"	249	190	4000	108	*
190FX10-4G-508066	*	1227	*	6"	249	190	4000	129	*
190FX10-4D-508075	*	1227	*	6"	249	190	4000	129	*
190FX10-5I-508075	*	1407	*	6"	249	190	4000	151	*
190FX10-5F-508092	*	1407	*	6"	249	190	4000	151	*
190FX10-6I-508092	*	1587	*	6"	249	190	4000	185	*
190FX10-6F-510110	*	1671	*	6"	249	237	4000	187	*
190FX10-7H-510110	*	1851	*	6"	249	237	4000	208	*
190FX10-7E-510130	*	1851	*	6"	249	237	4000	208	*
190FX10-8D-510150	*	2031	*	6"	249	237	4000	229	*
190FX10-9D-510170	*	2211	*	6"	249	237	4000	250	*
190FX10-10E-510185	*	2391	*	6"	249	237	4000	271	*



10" 190 M³/H - PERFORMANCE CURVE



NOTES:

- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
- Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C
- Efficiency reduction /4 = -3 /6 = -2 /8 = -1

10" 200 M³/H - ORDERING INFORMATION

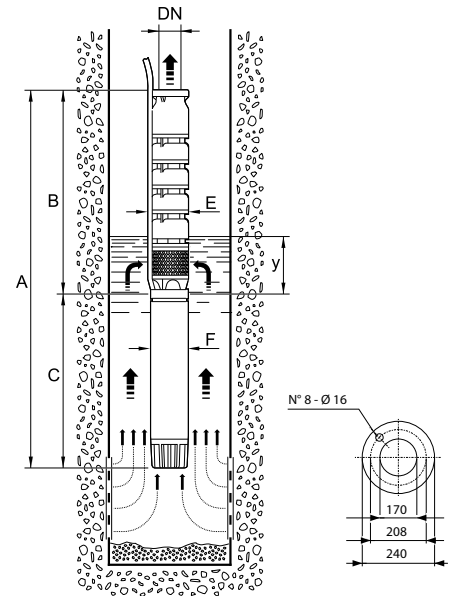
Model	Order No.	kW	HP	Stages	Trim	Motor Size
200FT10-1A-506022	96510200105	22	30	1	A	6"
200FT10-2G-506030	96510200110	30	40	2	G	6"
200FT10-2D-508037	96510200115	37	50	2	D	8"
200FT10-3H-508045	96510200120	45	60	3	H	8"
200FT10-3D-508055	96510200125	55	75	3	D	8"
200FT10-4D-508075	96510200130	75	100	4	D	8"
200FT10-5D-508093	96510200135	93	125	5	D	8"
200FT10-6D-510110	96510200140	110	150	6	D	10"
200FT10-7D-510130	96510200145	130	175	7	D	10"
200FT10-8D-510150	96510200150	150	200	8	D	10"
200FT10-10D-510185	96510200155	185	250	10	D	10"

10" 200 M³/H - HYDRAULIC PERFORMANCE

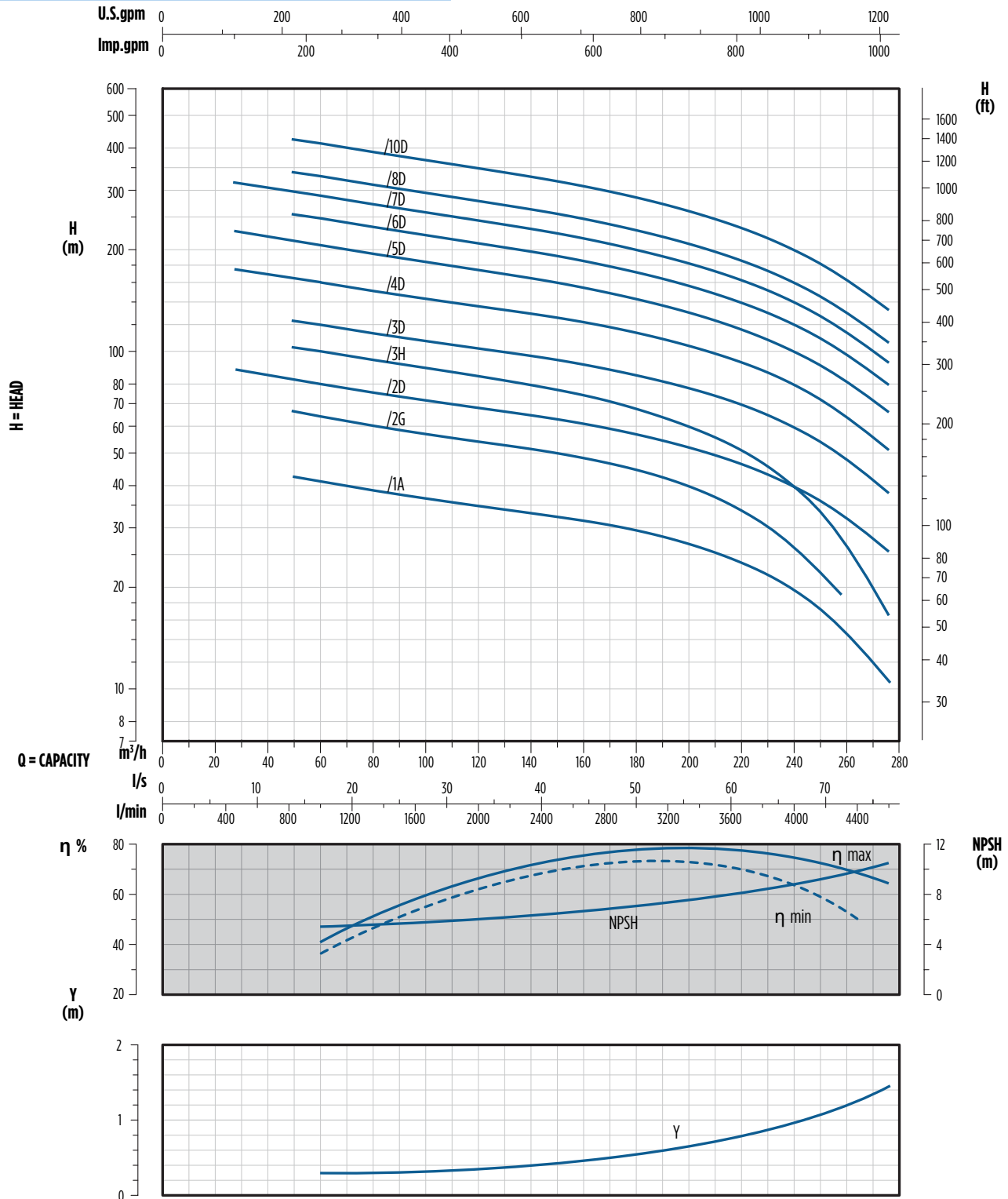
Model	Rated Power		Capacity													
			l/min	0	1000	1800	2200	2500	2800	3100	3300	3500	3700	4000	4300	4600
	kW	HP	m ³ /h	0	60	108	132	150	168	186	198	210	222	240	258	276
200FT10-1A-506022	22	30	50.5	41	36	34	32.5	31	29	27.5	25.5	23.5	20	15.5	10.5	
200FT10-2G-506030	30	40	79.5	63.5	55.5	52.5	50	47	43.5	40.5	37.5	33.5	27	19	—	
200FT10-2D-508037	37	50	95	79.5	70	66	63	59.5	55.5	52.5	49.5	46	40	33.5	25.5	
200FT10-3H-508045	45	60	119	99.5	87.5	81.5	77	72	65.5	61	56	50.5	40.5	29.5	16.5	
200FT10-3D-508055	55	75	143	119	105	99	94.5	89	83	79	74	69	60	50	38	
200FT10-4D-508075	75	100	190	159	140	132	126	119	111	105	99	92	80.5	66.5	51	
200FT10-5D-508093	92	125	244	206	180	169	160	150	140	132	124	115	101	84.5	66	
200FT10-6D-510110	110	150	293	247	216	202	192	180	168	159	149	138	121	102	79.5	
200FT10-7D-510130	130	175	342	288	253	236	224	210	195	185	174	161	141	118	92.5	
200FT10-8D-510150	150	200	391	329	289	270	256	240	223	211	198	184	161	135	106	
200FT10-10D-510185	185	250	489	412	361	337	320	300	279	264	248	230	201	169	133	

10" 200 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					Ø	Ø MAX
200FT10-1A-506022	*	687	*	6"	247	142	4000	62	*
200FT10-2G-506030	*	847	*	6"	247	142	4000	82	*
200FT10-2D-508037	*	867	*	6"	249	190	4000	87	*
200FT10-3H-508045	*	1047	*	6"	247	190	4000	108	*
200FT10-3D-508055	*	1047	*	6"	249	190	4000	108	*
200FT10-4D-508075	*	1227	*	6"	249	190	4000	130	*
200FT10-5D-508093	*	1407	*	6"	249	190	4000	151	*
200FT10-6D-510110	*	1671	*	6"	249	237	4000	185	*
200FT10-7D-510130	*	1851	*	6"	249	237	4000	208	*
200FT10-8D-510150	*	2031	*	6"	249	237	4000	229	*
200FT10-10D-510185	*	2391	*	6"	249	237	4000	271	*



10" 200 M³/H - PERFORMANCE CURVE



- NOTES:**
- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
 - Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C
 - Efficiency reduction /1 = -3 /2 = -2 /3 = -1

10" 295 M³/H - ORDERING INFORMATION

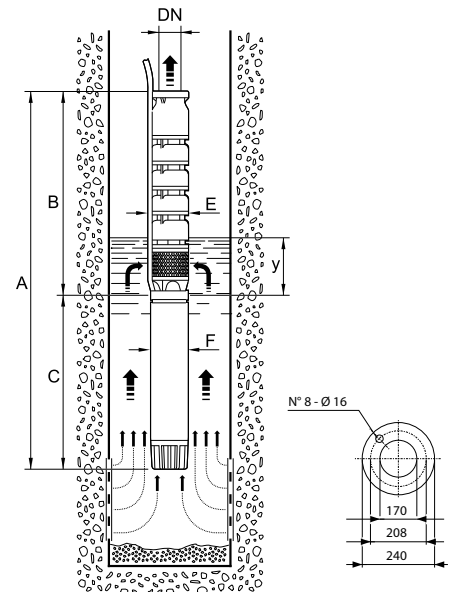
Model	Order No.	kW	HP	Stages	Trim	Motor Size
295FX10-10-506022	96510295305	22	30	1	O	6"
295FX10-1M-506026	96510295310	26	35	1	M	6"
295FX10-1F-506030	96510295315	30	40	1	F	6"
295FX10-1D-506033	96510295320	33	45	1	D	6"
295FX10-1B-508037	96510295325	37	50	1	B	8"
295FX10-2P-508040	96510295330	40	55	2	P	8"
295FX10-2N-508045	96510295335	45	60	2	N	8"
295FX10-2M-508052	96510295340	52	70	2	M	8"
295FX10-2H-508055	96510295345	55	75	2	H	8"
295FX10-2D-508059	96510295350	59	80	2	D	8"
295FX10-3I-508075	96510295355	75	100	3	I	8"
295FX10-3C-508092	96510295360	92	125	3	C	8"
295FX10-4G-510110	96510295365	110	150	4	G	10"
295FX10-4B-510130	96510295370	130	175	4	B	10"
295FX10-5L-510130	96510295375	130	175	5	L	10"
295FX10-5E-510150	96510295380	150	200	5	E	10"
295FX10-6G-510170	96510295385	170	230	6	G	10"
295FX10-7L-510185	96510295390	185	250	7	L	10"

10" 295 M³/H - HYDRAULIC PERFORMANCE

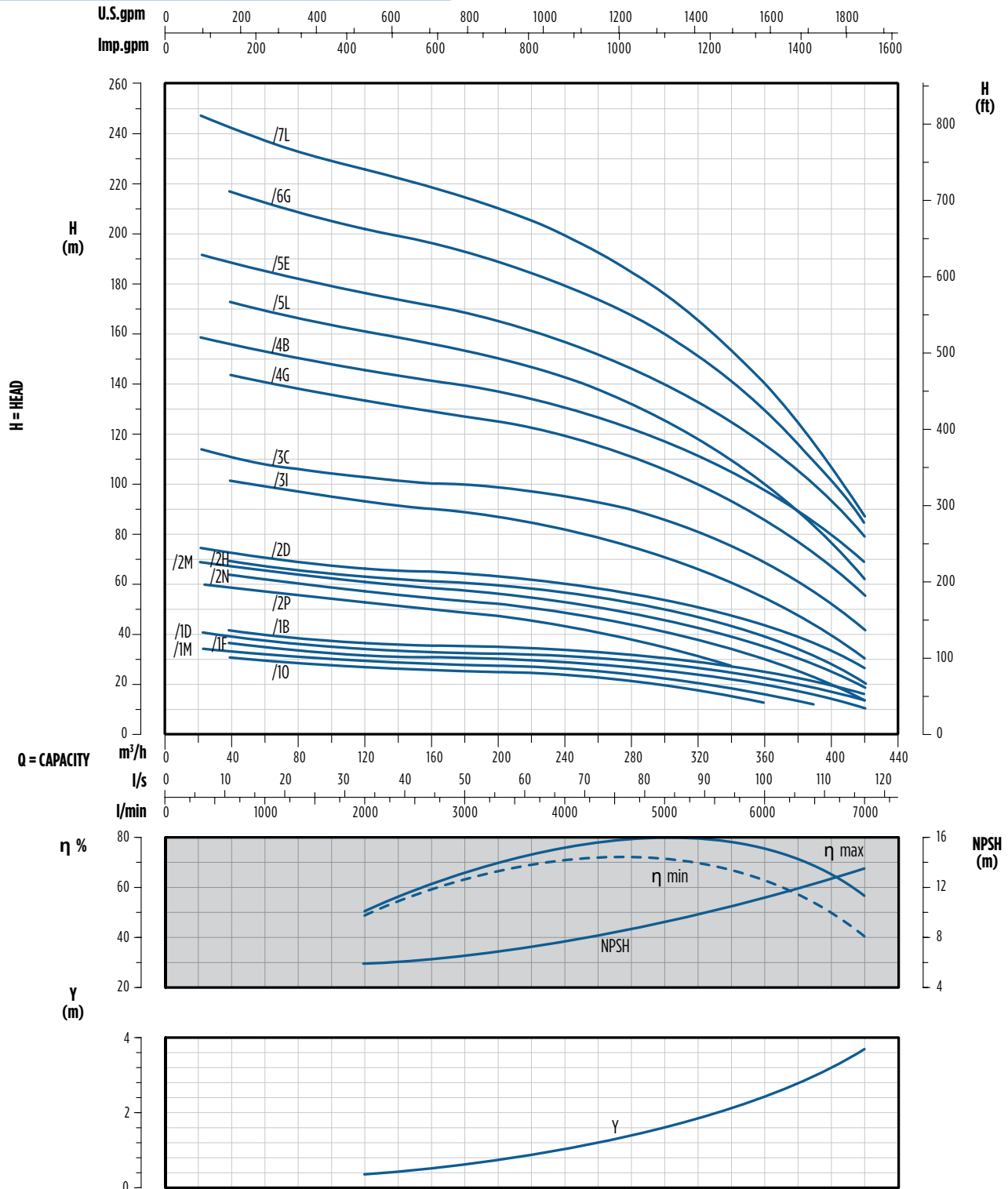
Model	Rated Power		Capacity												
	kW	HP	l/min	0	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
			m ³ /h	0	120	150	180	210	240	270	300	330	360	390	420
			l/s	0	33.3	41.6	50	58.3	66.6	75	83.3	91.6	100	108.3	116.6
			Head in Meters (m)	34	27.5	26.5	25.5	24.5	23.5	22	20	16.5	12.5	—	—
295FX10-10-506022	22	30	34	27.5	26.5	25.5	24.5	23.5	22	20	16.5	12.5	—	—	
295FX10-1M-506026	26	35	36	29.5	28.5	27.5	27	26	25	22.5	19.5	16	12.5	—	
295FX10-1F-506030	30	40	40	32.5	31	30	29.5	28.5	27.5	26	23	19.5	15.5	10.5	
295FX10-1D-506033	33	45	43.5	34.5	33	32	31.5	31	30.5	29	26	22.5	18.5	14	
295FX10-1B-508037	37	50	46	37	35	34.5	33.5	33	32.5	31	28.5	25	21	16.5	
295FX10-2P-508040	40	55	62	52	50.5	49	47	44	40.5	35.5	29	22	—	—	
295FX10-2N-508045	45	60	67.5	57.5	55.5	53.5	51.5	49	45.5	41.5	36	29.5	22.5	14	
295FX10-2M-508052	52	70	71	61	59	57.5	55.5	53.5	50.5	46.5	41	34	27	19.5	
295FX10-2H-508055	55	75	72	64	61.5	60	58.5	56.5	54	50.5	45.5	38.5	31	21	
295FX10-2D-508059	59	80	77	67	65	63.5	62	60.5	58	54.5	49.5	43	35.5	27	
295FX10-3I-508075	75	100	106	93.5	90.5	88	85.5	82	77.5	71.5	63	53.5	42.5	31.5	
295FX10-3C-508092	92	125	117.5	104.5	102	99	96	94	91	86	79.5	70	57	41	
295FX10-4G-510110	110	150	150	134.5	130	126.5	123	119	113.5	106.5	96.5	84.5	71	56	
295FX10-4B-510130	130	175	162	147	142.5	138.5	135	130.5	125.5	118.5	108.5	96.5	84.5	69.5	
295FX10-5L-510130	130	175	181	162	157	152.5	148	142.5	136	127	114.5	99	81.5	63	
295FX10-5E-510150	150	200	196	177.5	172	167	162.5	157	150.5	141.5	129	114.5	98	79.5	
295FX10-6G-510170	170	230	225	201.5	195.5	190	184.5	178	170	160	145	127	106	83.5	
295FX10-7L-510185	185	250	253.5	227	219.5	213.5	207	199.5	190	178	160	138.5	114.5	88.5	

10" 295 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					Pump	Motor
295FX10-10-506022	*	703	*	6"	247	142	2000	64.5	*
295FX10-1M-506026	*	703	*	6"	247	142	2000	64.5	*
295FX10-1F-506030	*	703	*	6"	247	142	2000	64.5	*
295FX10-1D-506033	*	703	*	6"	247	142	2000	64.5	*
295FX10-1B-508037	*	703	*	6"	249	190	2000	65.5	*
295FX10-2P-508040	*	898	*	6"	249	190	2000	91	*
295FX10-2N-508045	*	898	*	6"	249	190	2000	91	*
295FX10-2M-508052	*	898	*	6"	249	190	2000	91	*
295FX10-2H-508055	*	898	*	6"	249	190	2000	91	*
295FX10-2D-508059	*	898	*	6"	249	190	2000	91	*
295FX10-3I-508075	*	1177	*	6"	249	190	2000	116	*
295FX10-3C-508092	*	1177	*	6"	249	190	2000	116	*
295FX10-4G-510110	*	1372	*	6"	249	237	2000	160	*
295FX10-4B-510130	*	1372	*	6"	249	237	2000	160	*
295FX10-5L-510130	*	1568	*	6"	249	237	2000	185.5	*
295FX10-5E-510150	*	1568	*	6"	249	237	2000	185.5	*
295FX10-6G-510170	*	1763	*	6"	249	237	2000	211	*
295FX10-7L-510185	*	1959	*	6"	249	237	2000	236.5	*



10" 295 M³/H - PERFORMANCE CURVE



NOTES:

- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
- Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C
- Efficiency reduction /1 = -3 /2 = -2 /3 = -1

12" 300 M³/H - ORDERING INFORMATION

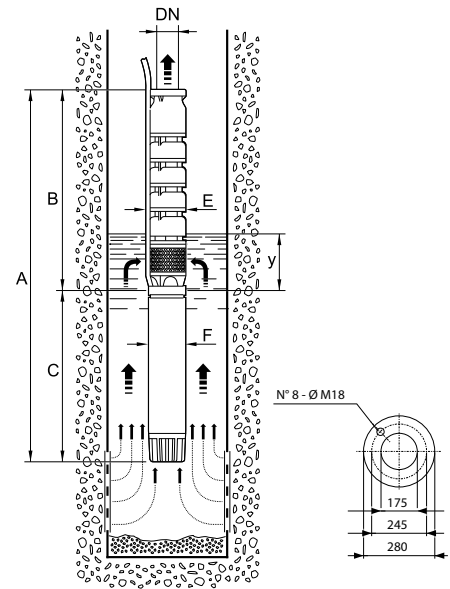
Model	Order No.	kW	HP	Stages	Trim	Motor Size
300FT12-1B-508045	96512300105	45	60	1	B	8"
300FT12-1A-508055	96512300110	55	75	1	A	8"
300FT12-2C-508075	96512300115	75	100	2	C	8"
300FT12-2B-508093	96512300120	93	125	2	B	8"
300FT12-2A-510110	96512300125	110	150	2	A	10"
300FT12-3B-510130	96512300130	130	175	3	B	10"
300FT12-3A-510150	96512300135	150	200	3	A	10"
300FT12-4A-510185	96512300140	185	250	4	A	10"
300FT12-5B-512220	96512300145	220	300	5	B	12"
300FT12-5A-512250	96512300150	250	335	5	A	12"

12" 300 M³/H - HYDRAULIC PERFORMANCE

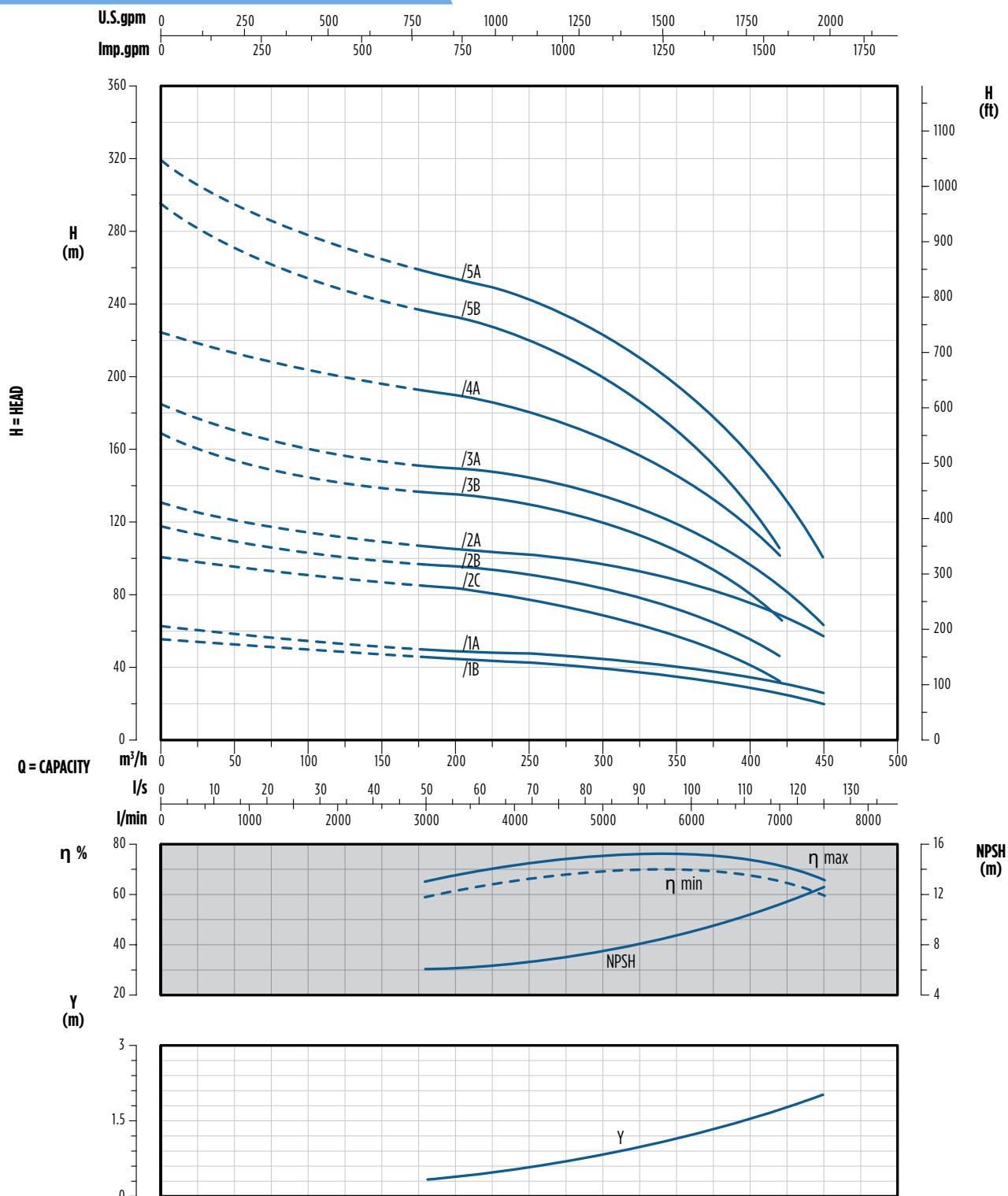
Model	Rated Power		Capacity													
	kW	HP	l/min	0	3000	3500	4000	4500	4750	5000	5250	5500	6000	6500	7000	7500
			m ³ /h	0	180	210	240	270	285	300	315	330	360	390	420	450
			l/s	0	50	58.3	66.6	75	79.1	83.3	87.5	100	108.3	116.6	125	
			Head in Meters (m)	55.5	46	44.5	43	41.5	40.5	39.5	38	36.5	33.5	29.5	25	20
300FT12-1B-508045	45	60		63	51	49.5	48	46.5	46	45	44	42.5	39	35.5	31	26
300FT12-1A-508055	55	75		100.5	85	82.5	79	75	72.5	69.5	66.5	62.5	53.5	43.5	33	—
300FT12-2C-508075	75	100		117.5	97.5	95	92	88.5	86.5	84	81	77.5	68.5	58.5	47	—
300FT12-2B-508093	93	125		130.5	107.5	105	102.5	99.5	98	96.5	94.5	91.5	85.5	77.5	68.5	57.5
300FT12-2A-510110	110	150		168.5	139	134	129.5	125	122	119.5	116.5	112	101.5	86.5	65	—
300FT12-3B-510130	130	175		185	153.5	149	144	139.5	137	134	131	127	117.5	104.5	87	61.5
300FT12-3A-510150	150	200		224.5	193	188	182.5	176	171.5	167	162	155.5	140	122.5	102	—
300FT12-4A-510185	185	250		295.5	237.5	230	221.5	213.5	207.5	201.5	193	183.5	163.5	138	105	—
300FT12-5B-512220	220	300		319.5	259	252	244.5	236	231	224.5	217.5	208	187.5	166.5	137.5	100
300FT12-5A-512250	250	335														

12" 300 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					Pump	Motor
300FT12-1B-508045	*	899	*	7"	298	190	2500	136	*
300FT12-1A-508055	*	899	*	7"	298	190	2500	136	*
300FT12-2C-508075	*	1099	*	7"	298	190	2500	174	*
300FT12-2B-508093	*	1099	*	7"	298	190	2500	174	*
300FT12-2A-510110	*	1124	*	7"	298	237	2500	178	*
300FT12-3B-510130	*	1324	*	7"	298	237	2500	217	*
300FT12-3A-510150	*	1324	*	7"	298	237	2500	217	*
300FT12-4A-510185	*	1524	*	7"	298	237	2500	255	*
300FT12-5B-512220	*	1724	*	7"	298	286	2500	294	*
300FT12-5A-512250	*	1724	*	7"	298	286	2500	294	*



12" 300 M³/H - PERFORMANCE CURVE



NOTES:

- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
- Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C
- Efficiency reduction /1 = -2 /2 = -1 /3 = -

12" 400 M³/H - ORDERING INFORMATION

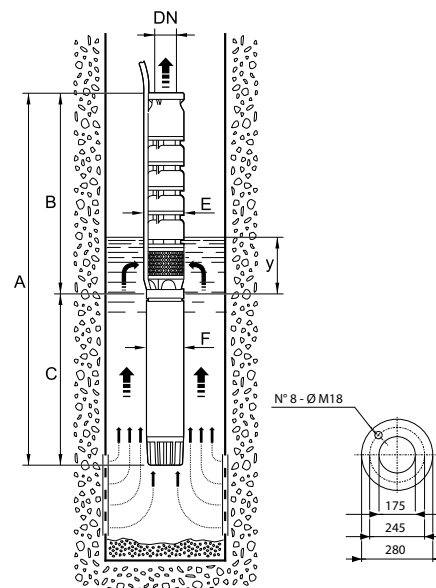
Model	Order No.	kW	HP	Stages	Trim	Motor Size
400FT12-1B-508045	96512400105	45	60	1	B	8"
400FT12-1A-508055	96512400110	55	75	1	A	8"
400FT12-2B-508093	96512400115	93	125	2	B	8"
400FT12-2A-510110	96512400120	110	150	2	A	10"
400FT12-3B-510130	96512400125	130	175	3	B	10"
400FT12-3A-510150	96512400130	150	200	3	A	10"
400FT12-4B-510185	96512400135	185	250	4	B	10"
400FT12-4A-512220	96512400140	220	300	4	A	12"
400FT12-5A-512250	96512400145	250	335	5	A	12"

12" 400 M³/H - HYDRAULIC PERFORMANCE

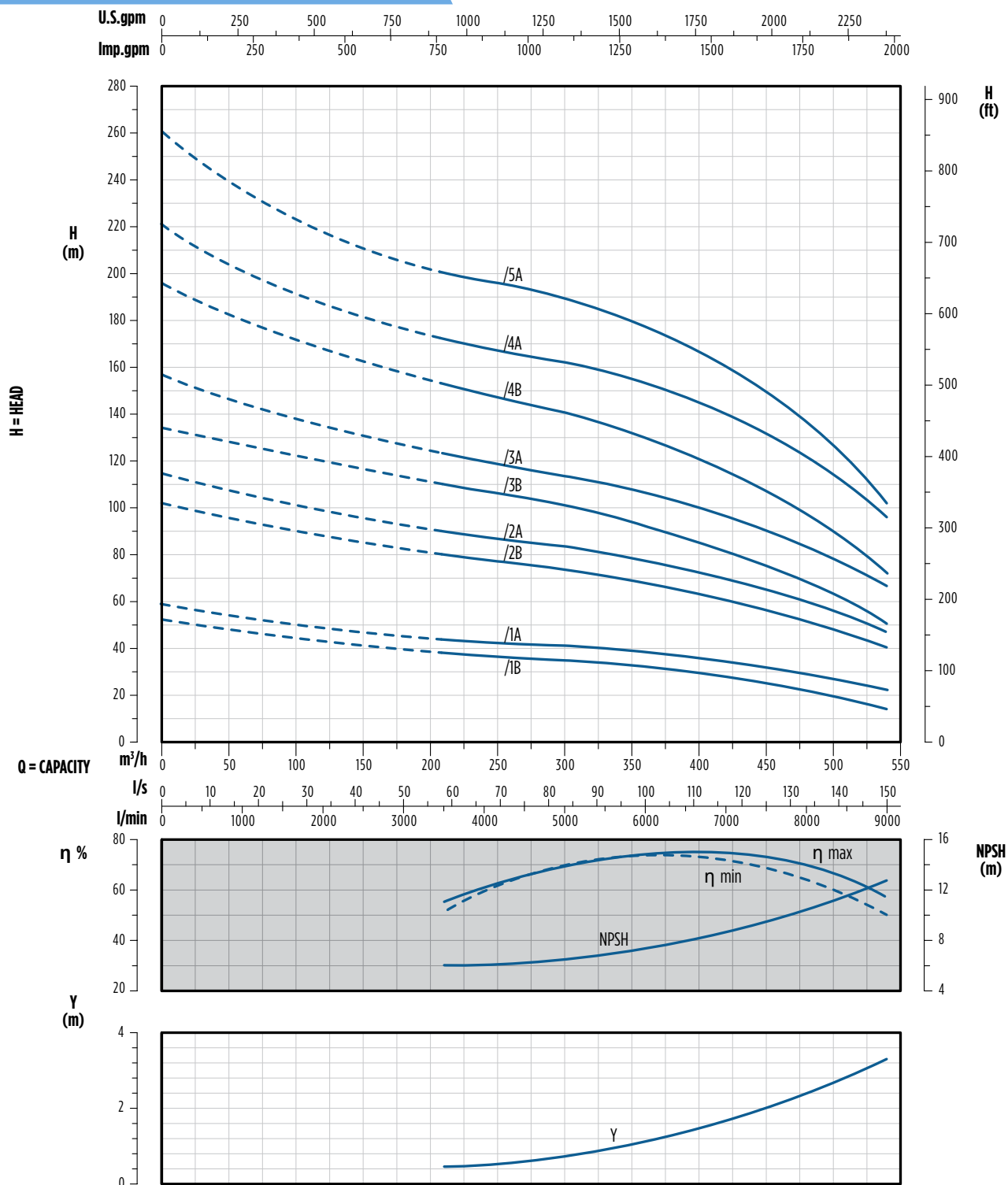
Model	Rated Power		Capacity													
			l/min m ³ /h l/s	0	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000
	kW	HP		0	210	240	270	300	330	360	390	420	450	480	510	540
	Head in Meters (m)	0		58.3	66.6	75	83.3	91.6	100	108.3	116.6	125	133.3	141.6	150	
400FT12-1B-508045	45	60	52	39.5	38	36.5	35	34	32.5	30.5	28.5	26	22.5	19	14	
400FT12-1A-508055	55	75	58.5	44.5	43	41.5	40	39	38	36.5	35	32.5	30	26.5	22	
400FT12-2B-508093	93	125	101.5	80.5	78	75.5	73	70.5	67.5	64.5	60.5	56	51.5	46	40.5	
400FT12-2A-510110	110	150	114.5	90.5	88	85.5	83	80.5	77.5	74.5	71	66	61	54	46	
400FT12-3B-510130	130	175	134	111	107.5	104	100.5	96.5	92.5	88	82	75.5	68	59.5	50.5	
400FT12-3A-510150	150	200	156.5	124	120.5	117	114	110	106.5	102.5	97	90.5	83.5	75.5	66.5	
400FT12-4B-510185	185	250	196	154	149.5	145	140.5	135.5	130	124	116.5	107.5	97	85.5	72	
400FT12-4A-512220	220	300	221	173.5	169	165	161	156.5	152	147	139.5	131	121.5	110.5	96	
400FT12-5A-512250	250	335	260.5	204	198	192.5	187	182	176.5	170.5	162	152	139	121.5	100	

12" 400 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN Ø	E Ø MAX	F	y	Weight (kg)	
	A	B	C					Pump	Motor
400FT12-1B-508045	*	899	*	7"	298	190	2500	134	*
400FT12-1A-508055	*	899	*	7"	298	190	2500	134	*
400FT12-2B-508093	*	1099	*	7"	298	190	2500	170	*
400FT12-2A-510110	*	1124	*	7"	298	237	2500	174	*
400FT12-3B-510130	*	1324	*	7"	298	237	2500	211	*
400FT12-3A-510150	*	1324	*	7"	298	237	2500	211	*
400FT12-4B-510185	*	1524	*	7"	298	237	2500	247	*
400FT12-4A-512220	*	1524	*	7"	298	286	2500	247	*
400FT12-5A-512250	*	1724	*	7"	298	286	2500	284	*



12" 400 M³/H - PERFORMANCE CURVE



NOTES:

- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
- Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C
- Efficiency reduction /1 = -2 /2 = -1 /3 = -

14" 440 M³/H - ORDERING INFORMATION

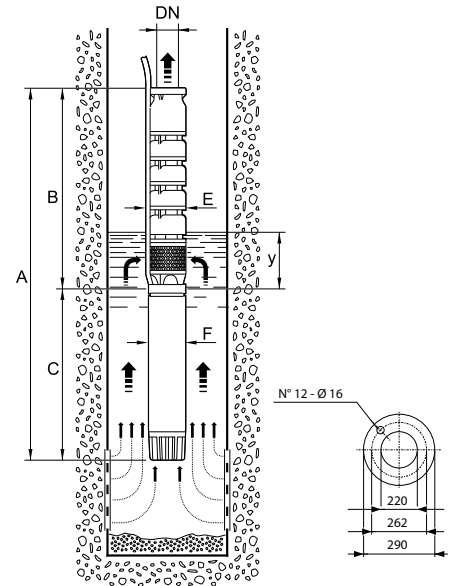
Model	Order No.	kW	HP	Stages	Trim	Motor Size
440FT14-1E-508055	96514440105	55	75	1	E	8"
440FT14-1A-508075	96514440110	75	100	1	A	8"
440FT14-2G-510093	96514440115	93	125	2	G	10"
440FT14-2D-510110	96514440120	110	150	2	D	10"

14" 440 M³/H - HYDRAULIC PERFORMANCE

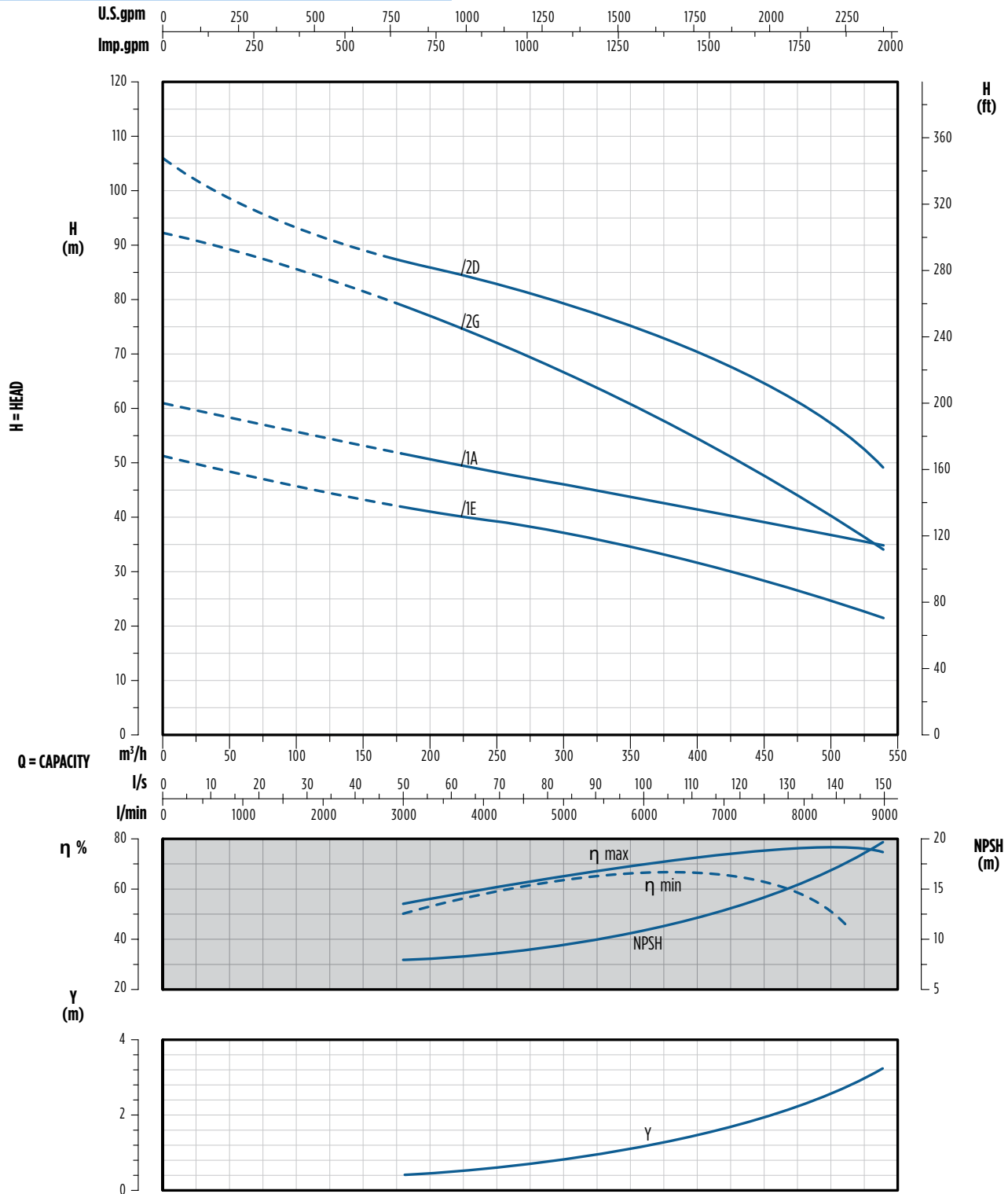
Model	Rated Power		Capacity													
			l/min	0	3000	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000
	kW	HP	m ³ /h	0	180	240	270	300	330	360	390	420	450	480	510	540
			l/s	0	50	66.7	75	83.3	91.7	100	108.3	116.7	125	133.3	141.7	150
440FT14-1E-508055	55	75	Head in Meters (m)	51	43	39.5	38	36.5	35	33.5	32	31	29.5	27.5	25	20.5
440FT14-1A-508075	75	100		61	52.5	49	47	45.5	44	43	41.5	40.5	39.5	38.5	37	34
440FT14-2G-510093	93	125		92	79	73	69	67	64	62	59	56	52	47.5	42	34.5
440FT14-2D-510110	110	150		105.5	90.5	83	80	77.5	75	73.5	72	70	67	62.5	56	47

14" 440 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					Ø	Ø MAX
440FT14-1E-508055	*	893	*	8"	306	190	2500	97	*
440FT14-1A-508075	*	893	*	8"	310	190	2500	97	*
440FT14-2G-510093	*	1118	*	8"	310	237	2500	128	*
440FT14-2D-510110	*	1118	*	8"	310	237	2500	132	*



14" 440 M³/H - PERFORMANCE CURVE



- NOTES:**
- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
 - Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C

14" 650 M³/H - ORDERING INFORMATION

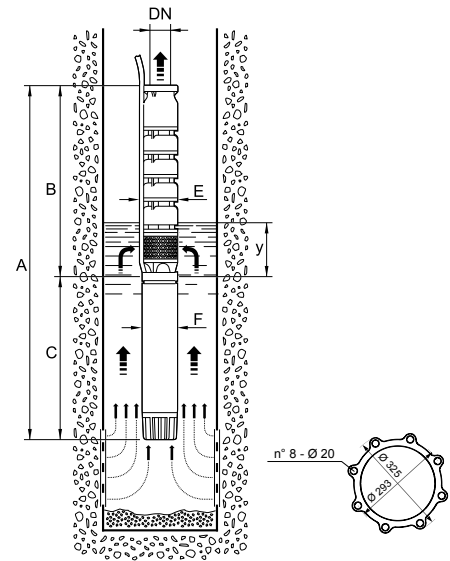
Model	Order No.	kW	HP	Stages	Trim	Motor Size
650FC14-1D-508075	96514650905	75	100	1	D	8"
650FC14-1C-508092	96514650910	92	125	1	C	8"
650FC14-1B-510110	96514650915	110	150	1	B	10"
650FC14-1A-510130	96514650920	130	175	1	A	10"
650FC14-2C-510150	96514650925	150	200	2	C	10"
650FC14-2B-510170	96514650930	170	230	2	B	10"
650FC14-2A-510185	96514650935	185	250	2	A	10"
650FC14-3C-512220	96514650940	220	300	3	C	12"
650FC14-3B-512250	96514650945	250	340	3	B	12"
650FC14-3A-512300	96514650950	300	400	3	A	12"

14" 650 M³/H - HYDRAULIC PERFORMANCE

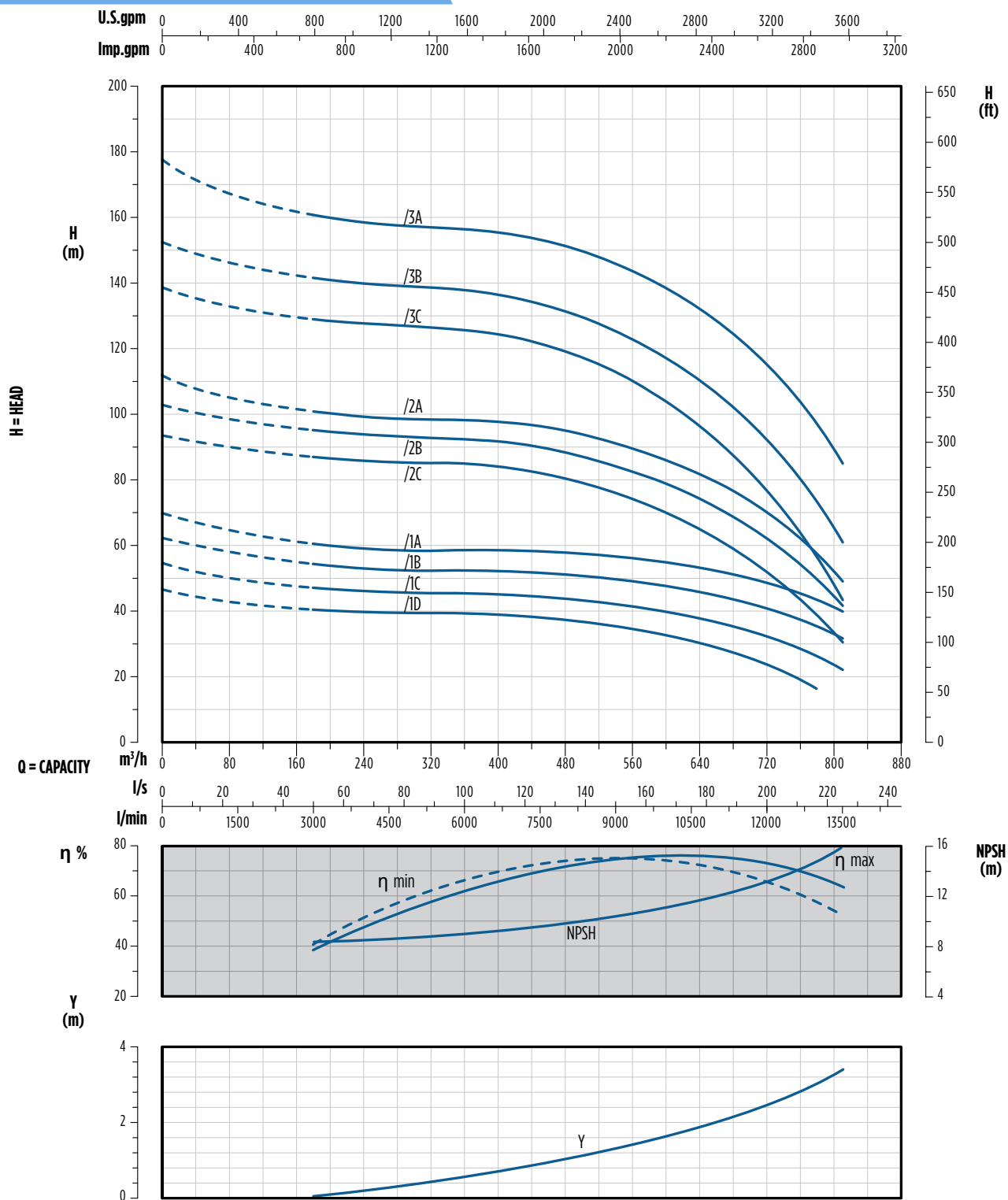
Model	Rated Power		Capacity												
	kW	HP	l/min	0	3000	5000	6000	7000	8000	9000	10000	11000	12000	13000	13500
			m ³ /h	0	180	300	360	420	480	540	600	660	720	780	810
			l/s	0	50	83.3	100	116.6	133.3	150	166.6	183.3	200	216.6	225
			Head in Meters (m)	54	45	41	39.5	38.5	37	35	32	28	23	17.5	—
650FC14-1D-508075	75	100		61	51.5	47	45.5	44	43	41.5	39.5	36	32	26	22.5
650FC14-1C-508092	92	125		68.5	59	54	52.5	51	50	48.5	47	45	41	35.5	31.5
650FC14-1B-510110	110	150		76	66	60.5	58.5	57	56.5	55.5	54	52.5	49	43.5	39.5
650FC14-1A-510130	130	175		105.5	95	88	85.5	82.5	79.5	75	69.5	61.5	51.5	39	31
650FC14-2C-510150	150	200		115	102	96	93.5	91	88	84	78.5	70.5	61	49.5	43
650FC14-2B-510170	170	230		124	108	101.5	99.5	97	94.5	90.5	85.5	78	68.5	57	50.5
650FC14-2A-510185	185	250		157.5	139.5	131.5	128	123.5	118.5	111.5	102	90	74.5	56.5	45.5
650FC14-3C-512220	220	300		171	151.5	143	139.5	135.5	130.5	124	116	104	90	73	63
650FC14-3B-512250	250	340		196	171	161.5	158	154.5	150	144.5	137.5	126.5	113	97	86.5
650FC14-3A-512300	300	400													

14" 650 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					Pump	Motor
650FC14-1D-508075	*	1043	*	9"	340	190	6000	140	*
650FC14-1C-508092	*	1043	*	9"	340	190	6000	140	*
650FC14-1B-510110	*	1043	*	9"	340	237	6000	140	*
650FC14-1A-510130	*	1043	*	9"	340	237	6000	140	*
650FC14-2C-510150	*	1295	*	9"	340	237	6000	183	*
650FC14-2B-510170	*	1295	*	9"	340	237	6000	183	*
650FC14-2A-510185	*	1295	*	9"	340	237	6000	183	*
650FC14-3C-512220	*	1547	*	9"	340	286	6000	226	*
650FC14-3B-512250	*	1547	*	9"	340	286	6000	226	*
650FC14-3A-512300	*	1547	*	9"	340	286	6000	226	*



14" 650 M³/H - PERFORMANCE CURVE



NOTES:

- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
- Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C

16" 990 M³/H - ORDERING INFORMATION

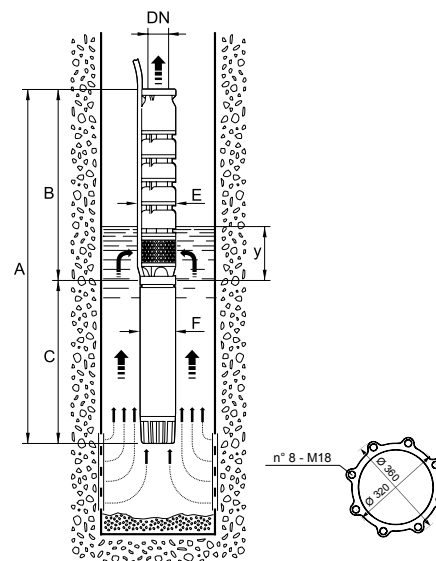
Model	Order No.	kW	HP	Stages	Trim	Motor Size
990FC16-1E-510130	96516990905	130	175	1	E	10"
990FC16-1D-510150	96516990910	150	200	1	D	10"
990FC16-1C-510170	96516990915	170	230	1	C	10"
990FC16-1B-510185	96516990920	185	250	1	B	10"
990FC16-1A-512220	96516990925	220	300	1	A	12"
990FC16-2D-512250	96516990930	250	340	2	D	12"
990FC16-2C-512300	96516990935	300	400	2	C	12"
990FC16-2B-512350	96516990940	350	475	2	B	12"
990FC16-2A-512400	96516990945	400	540	2	A	12"

16" 990 M³/H - HYDRAULIC PERFORMANCE

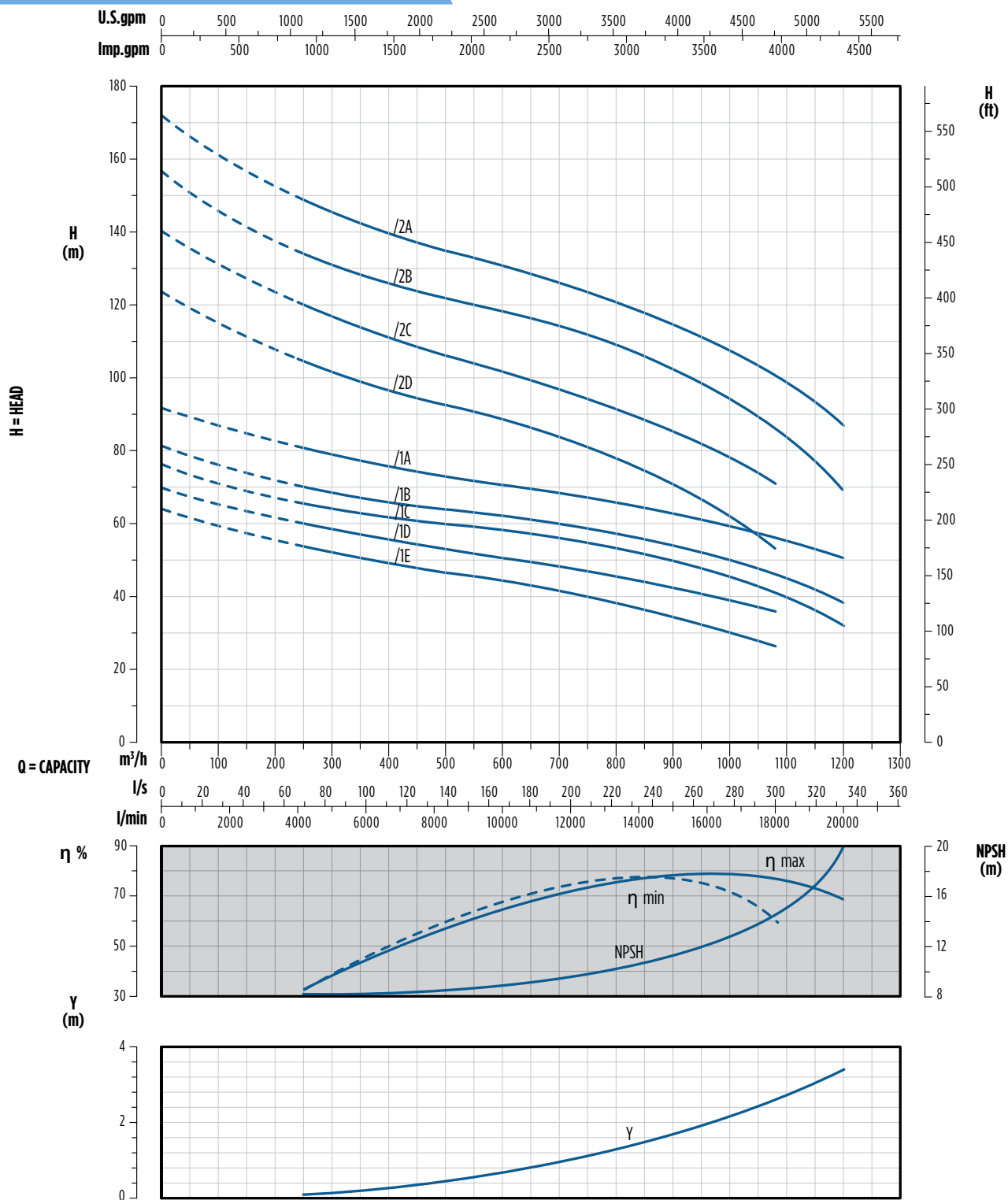
Model	Rated Power		Capacity												
			l/min	0	4000	6000	8000	10000	12000	14000	15000	16000	17000	18000	20000
	kW	HP	m ³ /h	0	240	360	480	600	720	840	900	960	1020	1080	1200
990FC16-1E-510130	130	175	l/s	0	66.6	100	133.3	166.6	200	233.3	250	266.6	283.3	300	333.3
990FC16-1D-510150	150	200	Head in Meters (m)	63.5	55.5	50.5	46	43	40.5	38	36	33	29.5	25.5	—
990FC16-1C-510170	170	230		69.5	61.5	57	53	49.5	47	45	43.5	41.5	38.5	35	—
990FC16-1B-510185	185	250		75.5	68	63	59.5	56.5	54	52	50.5	48.5	45.5	42	30.5
990FC16-1A-512220	220	300		80.5	72.5	67.5	63.5	60.5	58	56	54.5	53	50	47	37
990FC16-2D-512250	250	340		91	83	77.5	73	69	66	64	63	62	59.5	57	49
990FC16-2C-512300	300	400		122.5	108.5	99.5	91.5	85.5	81	77	73.5	68	60.5	50.5	—
990FC16-2B-512350	350	475		139.5	123	114	106	99.5	94.5	90.5	87.5	83	76.5	69	—
990FC16-2A-512400	400	540		155	139	129.5	121.5	114.5	110	105.5	104	100.5	95	87.5	66
				170	153.5	143.5	134.5	127.5	122	117.5	116.5	113.5	108.5	102.5	84

16" 990 M³/H - DIMENSIONS

Model	Dimensions (mm)			DN	E	F	y	Wt. (kg)	
	A	B	C					Pump	Motor
990FC16-1E-510130	*	1260	*	10"	381	286	10000	220	*
990FC16-1D-510150	*	1260	*	10"	381	286	10000	220	*
990FC16-1C-510170	*	1260	*	10"	381	286	10000	220	*
990FC16-1B-510185	*	1260	*	10"	381	286	10000	220	*
990FC16-1A-512220	*	1260	*	10"	381	286	10000	220	*
990FC16-2D-512250	*	1545	*	10"	381	286	10000	300	*
990FC16-2C-512300	*	1545	*	10"	381	286	10000	300	*
990FC16-2B-512350	*	1545	*	10"	381	286	10000	300	*
990FC16-2A-512400	*	1545	*	10"	381	286	10000	300	*



16" 990 M³/H - PERFORMANCE CURVE



NOTES:

- η % = Pump efficiency, NPSH (meters), Y = Non return valve loss
- Curves established for liquid density 1000 kg/m³, viscosity 1 mm²/s, temperature 20°C

**ASEAN, TAIWAN, BANGLADESH,
SRI LANKA, PAKISTAN**

Franklin Electric (SEA) Pte. Ltd.
17 Changi Business Park Central 1
06-05, Honeywell Building
Singapore 486 073

Phone: +65.6789.6865
Fax: +65.6789.0155
Email: fesea@fele.com

LATIN AMERICA

Motores Franklin S.A. de C.V.
Avenida Churubusco #1600
(Bodega #16)
Col. Francisco I. Madero
Monterrey, N.L.
Mexico C.P. 64560

Phone: +52.81.8000.1000
Fax: +52.818.864.8445

AUSTRALIA / NEW ZEALAND

Franklin Electric (Australia) Pty. Ltd.
106 - 110 Micro Circuit
Dandenong South, Victoria 3175
Australia

Phone: +61.3.9799.5000
Fax: +61.3.9799.5050
Hotline: 1.300 FRANKLIN (1.300.372.655)

KOREA

Franklin Electric B.V. Korea
Room 502
(BangBaeDong, BangBae The O Superium#1)
3-4 SeoCho-Daero
SeoCho-Gu, Seoul 137-974
Republic of Korea

Phone: +82.2.3473.3353
Fax: +82.2.3473.3352

CHINA

Franklin Electric (Shanghai) Co. Ltd.
Unit 1002-03, Shanghai Central Plaza
No. 227, Huang Pi Bei Road
Shanghai 200003, China

Phone: +86.21.6327.0909
Fax: +86.21.6327.0910

UNITED STATES

Franklin Electric Co., Inc.
9255 Coverdale Road
Fort Wayne, Indiana 46809
USA

Phone: +1.260.824.2900
Fax: +1.260.824.2909

JAPAN

Franklin Electric International, Inc.
Aoba Bldg. 4F
1-14-7, Sugamo
Toshima-Ku, Tokyo 170-0002, Japan

Phone: +81.3.5319.1251
Fax: +81.3.5319.1252

