

Multi VS Surface Vertical



Vertical multistage pumps in stainless Steel AISI 304 (316 for N models)

Specifications

ESPA introduces a new range of pumps, the Multi VS range which is manufactured completely in stainless steel AISI 304 (version F). AISI 316 (version N) is available on request.

The Multi VS has been developed by ESPA to offer the market a range of vertical multistage pumps coupled to standard motors which are ready to operate with variable speed controllers such as ESPA Speedrive. All standard motors comply with the IE3 efficiency standards as well as regulations EC640/2009 and 04/2014. The new Multi VS range uses a new hydraulic design which provides a wide range of performances to satisfy the demands of every installation. The Espa Multi VS range utilises the latest technologies in stainless steel production. With this new range ESPA has focused on reaching the highest levels of efficiency in hydraulic performance and pump reliability in any working requirement.

Applications

Water supply in building and services, clear water transfer in industrial processes, civil construction and irrigation systems. Water boosting in multi pump sets or single pumps uses, automatic and manual irrigations systems. Cleaning installations, demineralized water transfer, cold and hot water circulation for industrial process or water exchange heating systems.

Operation limits

Liquid temperature: from -20 to 120 °C.
Maximum working pressure: 25 bar for version F.
Flow range:
Multi VS 4 from 7 to 108 l/min. BEP: 67 l/min.
Multi VS 6 from 10 to 150 l/min. BEP: 100 l/min.
Multi VS 10 from 18 to 220 l/min. BEP: 167 l/min.
Multi VS 15 from 27 to 375 l/min. BEP: 250 l/min.
Multi VS 25 from 43 to 583 l/min. BEP: 417 l/min.

Motor

Protection IP55 class F.
Efficiency rate IE3 (for all three-phase motors).
Voltage: 230/400V 50HZ up to 3 kW
400/690V 50HZ for power above 3 kW.

Material

Multi VS F all wetted components in stainless steel AISI 304
Multi VS N all wetted components in stainless steel AISI 316
Multi VS C all wet parts in AISI 304 and foot in cast iron.

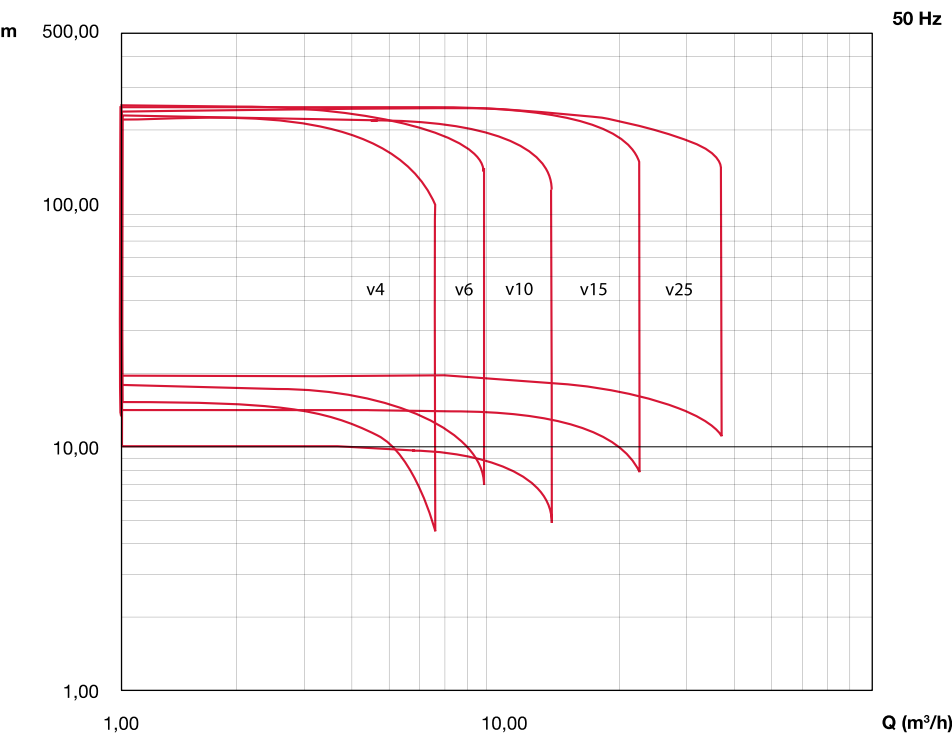
LENNTECH
WATER TREATMENT SOLUTIONS

WATER SUPPLY SURFACE
HORIZONTAL & VERTICAL

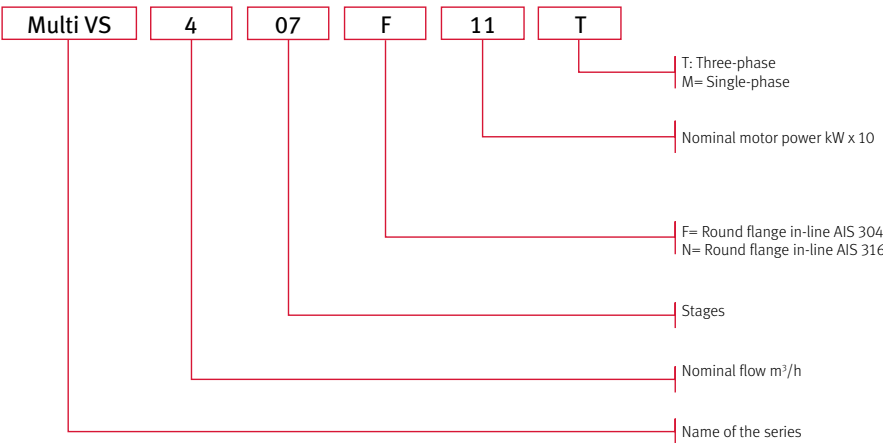
WRAS
APPROVED
PRODUCT



Field of application

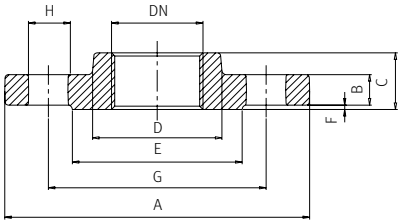


Acronyms identification Multi VS 4, 6, 10, 15 and 25



Flange DIN 2566 dimensions

Flange	DN	PN	A	B	C	D	E	F	G	H	No. Drills	Metric
DN 32	Rp 1 1/4"	25 bar	140	16	26	60	78	2	100	18	4	M16
DN 40	Rp 1 1/2"	25 bar	150	16	26	70	88	3	110	18	4	M16
DN 50	Rp 2"	25 bar	165	18	28	85	102	3	125	18	4	M16



Hydraulic performance table and prices

Multi VS4

Model	I [A]		P1 [kW]	P2		l/min	0	22	45	65	83	108	3~ F version
	3~ 230 V	3~ 400 V	3~	[kW]	[HP]	m³/h	0	1.3	2.7	3.9	5.0	6.5	Code
MULTI VS4 05	3.1	1.8	1	0.75	1.0	mwc	45.1	43.5	41.2	37.2	31.3	19.3	200123
MULTI VS4 07	4.2	2.4	1.3	1.1	1.5		63.1	60.9	57.7	52.1	43.8	27.1	200124
MULTI VS4 10	5.7	3.3	1.8	1.5	2.0		90.2	86.9	82.4	74.4	62.6	38.7	200125
MULTI VS4 14	8.2	4.7	2.6	2.2	3.0		126.3	121.7	115.4	104.2	87.6	54.1	200126
MULTI VS4 20	10.2	6.2	3.6	3.0	4.0		180.4	173.9	164.9	148.8	125.1	77.3	200127

Multi VS6

Model	I [A]		P1 [kW]	P2		l/min	0	36	70	98	125	150	3~ F version
	3~ 230 V	3~ 400 V	3~	[kW]	[HP]	m³/h	0	2.2	4.2	5.9	7.5	9.0	Code
MULTI VS6 03	3.1	1.8	1	0.75	1.0	mwc	29.5	28.1	26.3	23.9	20.3	15.2	200128
MULTI VS6 05	4.2	2.4	1.3	1.1	1.5		49.2	46.8	43.8	39.8	33.8	25.3	200129
MULTI VS6 07	5.7	3.3	1.8	1.5	2.0		68.8	65.5	61.4	55.7	47.3	35.5	200130
MULTI VS6 10	8.2	4.7	2.6	2.2	3.0		98.3	93.6	87.7	79.6	67.5	50.7	200131
MULTI VS6 14	10.2	6.2	3.6	3.0	4.0		137.6	131.0	122.8	111.4	94.5	71.0	200132
MULTI VS6 18	13.4	7.7	4.6	4.0	5.5		176.9	168.5	157.8	143.3	121.5	91.2	200133
MULTI VS6 22	17.5	10.1	6.3	5.5	7.5		216.3	205.9	192.9	175.1	148.6	111.5	200134

Multi VS10

Model	I [A]		P1 [kW]	P2		l/min	0	67	101	135	184	220	3~ F version
	3~ 230 V	3~ 400 V	3~	[kW]	[HP]	m³/h	0	4.0	6.0	8.1	11.0	13.2	Code
MULTI VS10 03	3.1	1.8	1	1.1	1.5	mwc	34.2	32.6	31.0	28.9	24.2	18.9	200135
MULTI VS10 04	4.2	2.4	1.3	1.5	2.0		45.6	43.5	41.4	38.5	32.2	25.3	200136
MULTI VS10 06	5.7	3.3	1.8	2.2	3.0		68.4	65.2	62.0	57.8	48.4	37.9	200137
MULTI VS10 08	8.2	4.7	2.6	3.0	4.0		91.2	86.9	82.7	77.1	64.5	50.5	200138
MULTI VS10 09	10.2	6.2	3.6	4.0	5.5		102.6	97.8	93.1	86.7	72.5	56.8	200139
MULTI VS10 11	13.4	7.7	4.6	4.0	5.5		125.5	119.5	113.8	106.0	88.7	69.5	200140
MULTI VS10 15	17.5	10.1	6.3	5.5	7.5		171.1	163.0	155.1	144.5	120.9	94.7	200141
MULTI VS10 17	22.9	13.2	8.4	7.5	10.0		193.9	184.7	175.8	163.8	137.0	107.3	200142
MULTI VS10 21	22.9	13.2	8.4	7.5	10.0		239.5	228.2	217.2	202.3	169.3	132.6	200143

Multi VS15

Model	I [A]		P1 [kW]	P2		l/min	0	67	133	200	267	375	3~ F version
	3~ 230 V	3~ 400 V	3~	[kW]	[HP]	m³/h	0	4.0	8.0	12.0	16.0	22.5	Code
MULTI VS15 02	5.7	3.3	1.8	2.2	3.0	mwc	29.2	28.3	27.5	26.1	24.1	18.4	200144
MULTI VS15 03	8.2	4.7	2.6	3.0	4.0		43.9	42.4	41.2	39.2	36.1	27.6	200145
MULTI VS15 04	10.2	6.2	3.6	4.0	5.5		58.5	56.6	55.0	52.2	48.1	36.7	200146
MULTI VS15 06	17.5	10.1	6.3	5.5	7.5		87.7	84.9	82.4	78.3	72.2	55.1	200147
MULTI VS15 08	22.9	13.2	8.4	7.5	10.0		116.9	113.2	109.9	104.4	96.3	73.5	200148
MULTI VS15 11	36.5	21	12.2	11.0	15.0		160.8	155.6	151.2	143.6	132.3	101.1	200149
MULTI VS15 17	49	28.2	16.6	15.0	20.0		248.5	240.5	233.6	221.9	204.5	156.2	200150

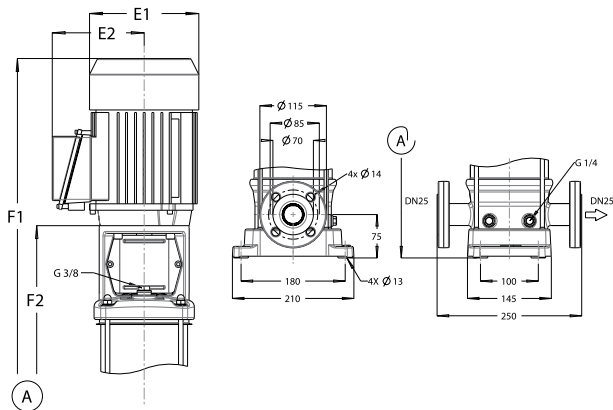
Multi VS25

Model	I [A]		P1 [kW]	P2		l/min	0	150	283	417	500	583	3~ F version
	3~ 230 V	3~ 400 V	3~	[kW]	[HP]	m³/h	0	9.0	17.0	25.0	30.0	35.0	Code
MULTI VS25 01	5.7	3.3	1.8	2.2	3.0	mwc	20.7	20.0	18.8	17.8	14.8	12.3	200151
MULTI VS25 02	10.2	6.2	3.6	4.0	5.5		41.4	39.9	37.5	35.6	29.7	24.6	200152
MULTI VS25 03	17.5	10.1	6.3	5.5	7.5		62.1	59.9	56.3	53.4	44.5	36.9	200153
MULTI VS25 04	22.9	13.2	8.4	7.5	10.0		82.8	79.8	75.0	71.2	59.4	49.2	200154
MULTI VS25 06	36.5	21	12.2	11.0	15.0		124.2	119.7	112.5	106.7	89.0	73.8	200155
MULTI VS25 08	49	28.2	16.6	15.0	20.0		165.6	159.6	150.0	142.3	118.7	98.4	200156

Dimension and weight

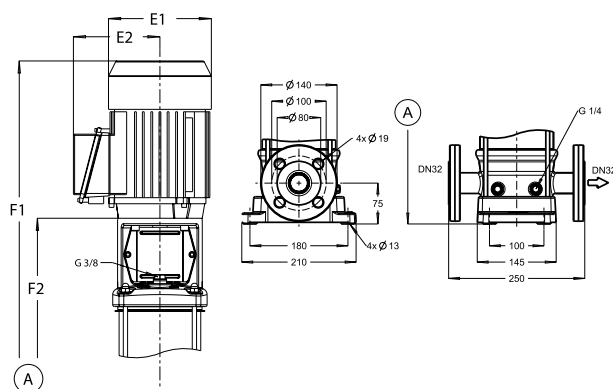
Multi VS4

Model	Motor dimensions		Multi VS(S)(-E) V/T (E-CASING PN16)			Multi VS (C/S) F		
	E1	E2	F1	F2	Kg	F1	F2	Kg
Multi VS4/5	150	115	590	333	23	615	358	30
Multi VS4/6	150	115	612	355	26	637	380	30
Multi VS4/10	176	141	704	451	33	729	476	38
Multi VS4/14	176	141	819	537	36	844	562	41
Multi VS4/20	195	145	990	676	53	1015	701	53



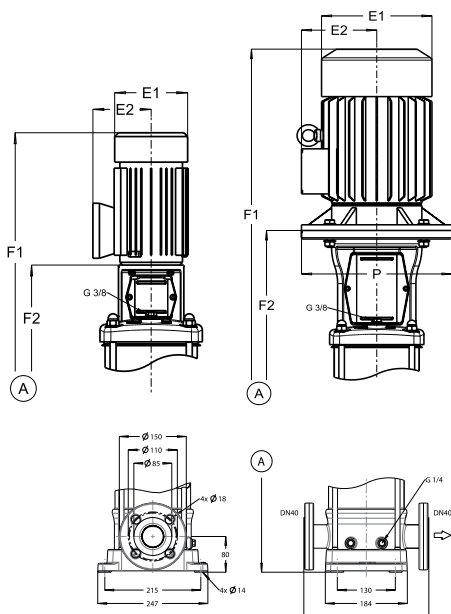
Multi VS6

Model	Motor dimensions		Multi VS(S)(-E) V/T (E-CASING PN16)			Multi VS (C/S) F		
	E1	E2	F1	F2	Kg	F1	F2	Kg
Multi VS6/3	150	115	558	301	25	583	326	31
Multi VS6/5	150	115	608	351	26	633	376	32
Multi VS6/7	176	141	664	411	32	689	436	38
Multi VS6/10	176	141	768	486	35	793	511	41
Multi VS6/14	195	145	910	596	47	935	621	53
Multi VS6/18	223	167	1.016	696	61	1.044	721	62



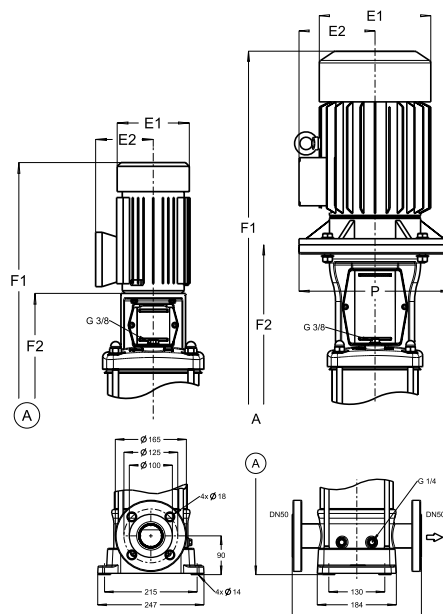
Multi VS10

Model	Motor dimensions			Multi VS(S)(-E) V/T (E-CASING PN16)			Multi VS (C/S) F		
	E1	E2	P	F1	F2	Kg	F1	F2	Kg
Multi VS10/3	150	115		647	372	36	647	372	39
Multi VS10/4	176	141		679	409	41	679	409	45
Multi VS10/6	176	141		747	462	45	747	462	49
Multi VS10/8	195	145		855	525	55	855	525	59
Multi VS10/9	223	167		891	551	62	891	551	65
Multi VS10/11	223	167		944	604	64	944	604	67
Multi VS10/15	266	178	300	1.155	790	108	1.155	790	112
Multi VS10/17	266	178	300	1.208	843	116	1.208	843	118
Multi VS10/21	266	178	300	1.314	949	120	1.314	949	122



Multi VS15

Model	Motor dimensions			Multi VS(S)(-E) V/T (E-CASING PN16)			Multi VS (C/S) F		
	E1	E2	P	F1	F2	Kg	F1	F2	Kg
Multi VS15/2	176	141		641	356	41	651	366	47
Multi VS15/3	195	145		722	392	50	732	402	56
Multi VS15/4	223	167		759	419	56	769	429	62
Multi VS15/6	266	178	300	916	551	96	926	561	102
Multi VS15/8	266	178	300	969	604	103	979	614	109
Multi VS15/11	315	204	350				1.222	724	188
Multi VS15/17	315	204	350				1.381	883	207



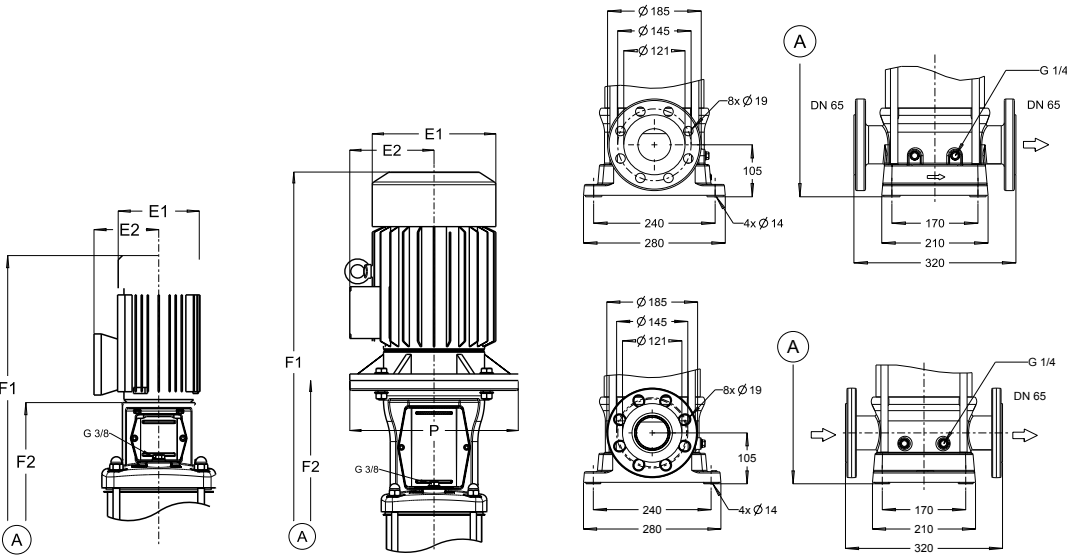
Multi VS Surface Vertical



Dimension and weight

Multi VS25

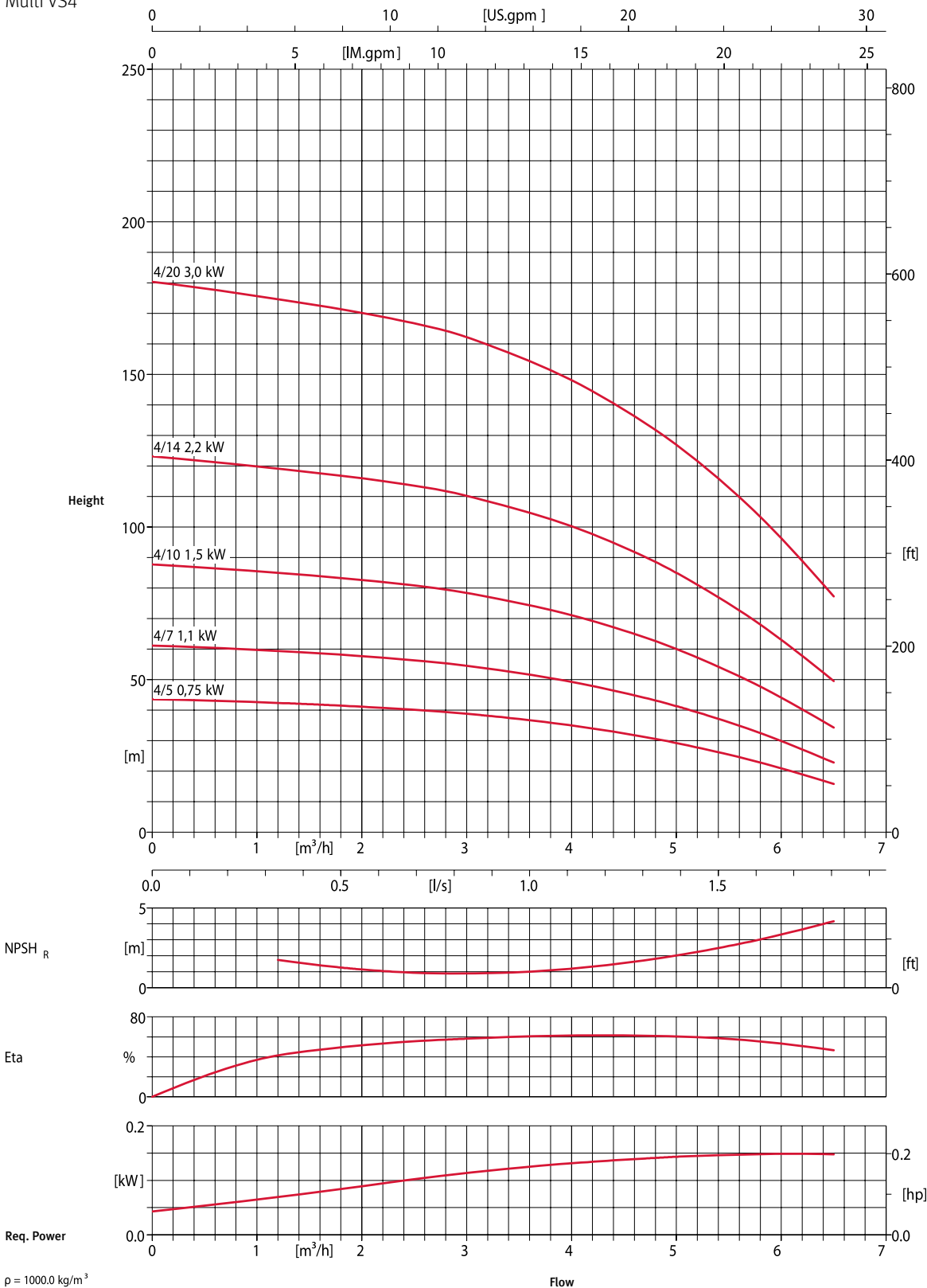
Model	Motor dimensions			Multi VS (C/S) F		
	E1	E2	P	F1	F2	Kg
Multi VS25/1	176	141		693	408	70
Multi VS25/2	223	167		818	478	85
Multi VS25/3	266	178	300	999	634	114
Multi VS25/4	266	178	300	1.064	699	121
Multi VS25/6	315	204	350	1.357	859	206
Multi VS25/8	315	204	350	1.487	989	231



*Service kits are available on request

Performance curves at 2900 rpm

Multi VS4

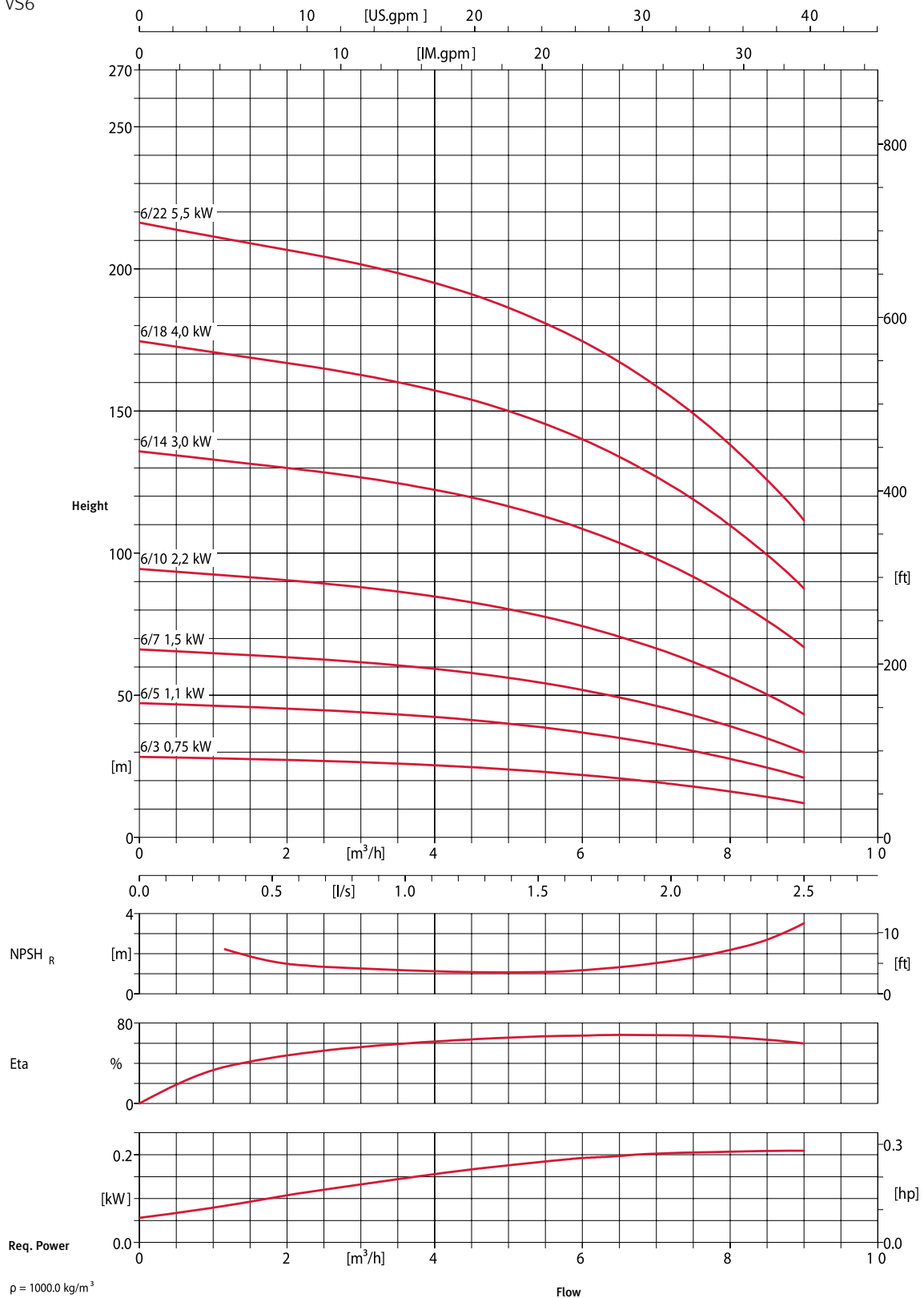


Multi VS Surface Vertical



Performance curves at 2900 rpm

Multi VS6

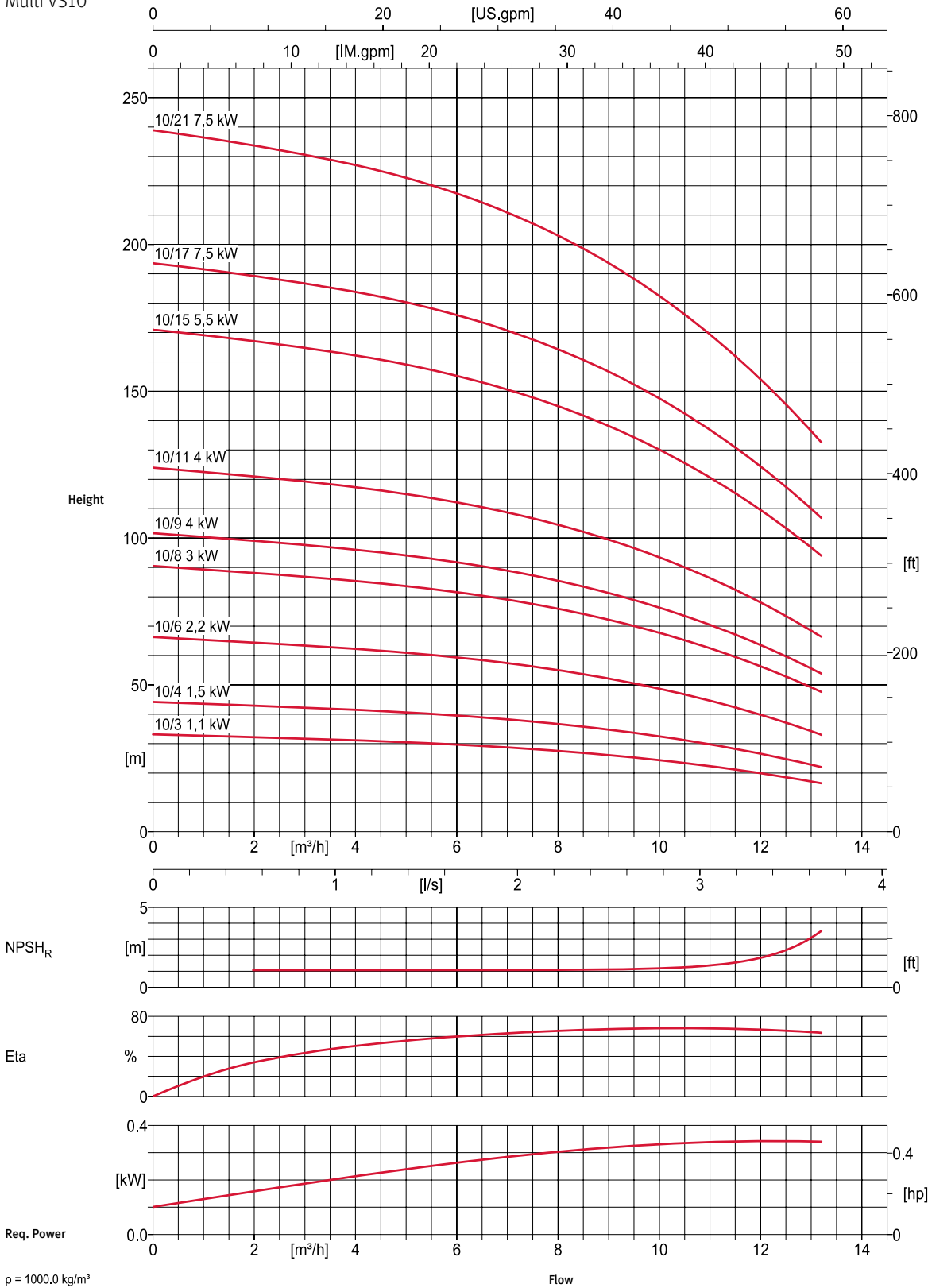


Multi VS Surface Vertical



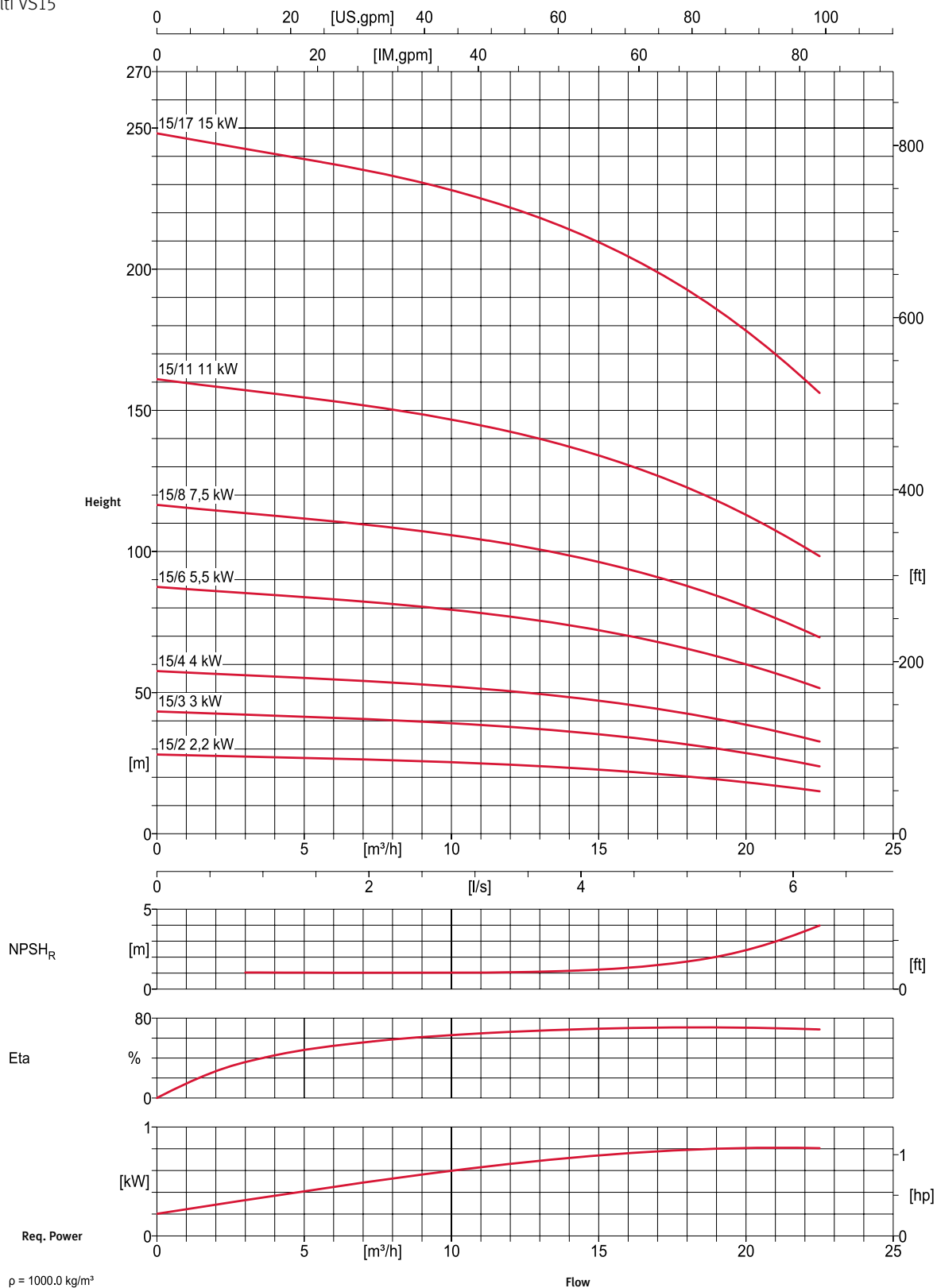
Performance curves at 2900 rpm

Multi VS10



Performance curves at 2900 rpm

Multi VS15



Multi VS25

