



WATER SUPPLY SURFACE
HORIZONTAL & VERTICAL



Quiet-running vertical multi-stage centrifugal pumps, supplied with flanges

Applications

Spray irrigation systems,
hydropneumatic sets
and industrial installations.

Materials

Pump body and impellers in stainless steel AISI 304.
Diffusers in technopolymer.
Mechanical seal in graphite and alumine.
Motor housing in aluminium L-2521.
Flanges, suction and discharge connections in cast iron.
Motor shaft in stainless steel AISI 420.
Multi35N 8 and 10 / Multi55N 6 and 7: in stainless steel AISI 303.

Motor

Asynchronous, two poles.
IP 44 protection.
Class F insulation.
Continuous operation.
Efficiency IE3.

Multi25: Single-phase version up to 1.5 HP built-in thermal protection.

Multi35N: Single-phase version up to 1 HP built-in thermal protection.
Energy Index MEI $\geq$ 0,4 for Multi 25/35.
Energy Index MEI $\geq$ 0,4 for Multi 55.

LENNTECH
WATER TREATMENT SOLUTIONS



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Limitations

Maximum temperature of liquid: 40 °C

Equipment

Supplied with oval counter flanges
DIN 2558.

ErP READY

Hydraulic performance table

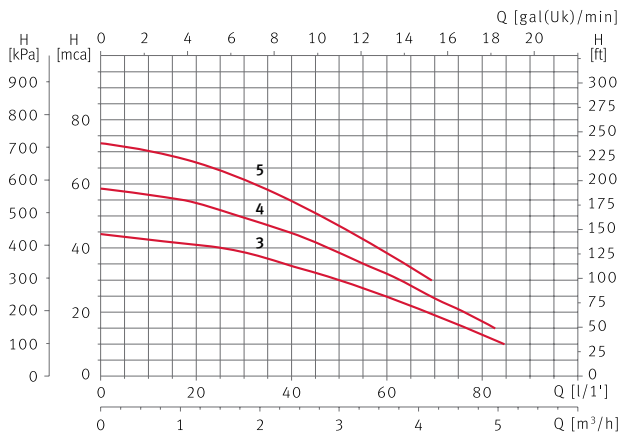
Model	I [A]			P1 [kW]		P2		c [μF]	l/min m³/h	8	17	25	33	42	58	75	92	1~230 V (model M)	3~400 V (model T)
	1~230 V	3~230 V	3~400 V	1~230 V	3~400 V	[kW]	[HP]			0.5	1.0	1.5	2.0	2.5	3.5	4.5	5.5	Code	Code
MULTI 25.3M	4.5	3.2	1.9	1.0	0.9	0.55	0.75	6	mwc	38.2	38	35.7	33.5	31	25	17	7.2	134926	134929
MULTI 25.4M	5.8	3.9	2.3	1.2	1.1	0.75	1	16		52.7	51	48.2	45.8	42	33	22	9	134927	134930
MULTI 25.5M	6.4	4.2	2.5	1.4	1.3	0.9	1.25	16		66.5	64	61.2	57.5	52.5	41	27	12	134928	134931

Model	I [A]			P1 [kW]		P2		c [μF]	l/min m³/h	17	33	50	75	100	125	150	175	1~230 V (Model M)	3~400 V (Model T)
	1~230 V	3~230 V	3~400 V	1~230 V	3~400 V	[kW]	[HP]			1.0	2.0	3.0	4.5	6.0	7.5	9.0	10.5	Code	Code
MULTI 35.3MN	6.7			1.5		0.75	1	25	mwc	39	37.5	35.5	31.5	27	21	15	7	129334	129338
MULTI 35.4MN	8.4	5.3	3.1	1.8	1.8	1.1	1.5	25		54	51	48	44	37	29.5	21	11.8	129335	129339
MULTI 35.5MN	10.2	6.9	4	2.3	2.2	1.5	2	30		65.4	63.5	60	54.5	46	36	26.2	15	129336	129340
MULTI 35.6N		8.3	4.8		2.7	2.2	3			82	79.5	76	69	61	49	36.7	23		129341
MULTI 35.8N		11.9	6.5		3.6	3	4			108	105	101	93	85	70	53	35		129342
MULTI 35.10N		15.4	8.9		4.9	4	5.5			134	130	125	117	105	90	70	47		129337

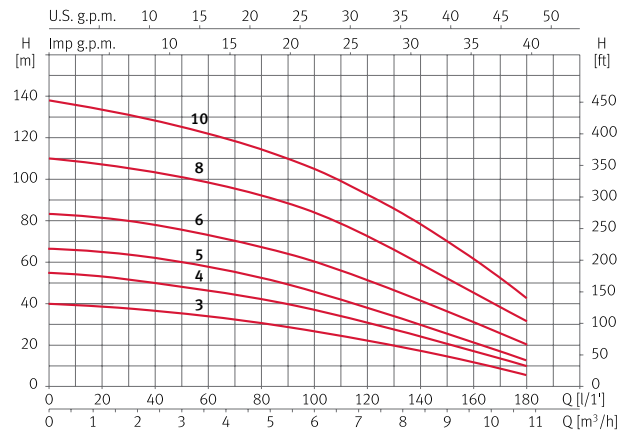
Model	I [A]		P1 [kW]	P2		l/min m³/h	20	50	75	100	150	200	250	300	1~230 V (Model M)	3~400 V (model T)
	3~230 V	3~400 V	3~400 V	[kW]	[HP]		1.2	3.0	4.5	6.0	9.0	12	15	18	Code	Code
MULTI 55.3MN	6.6	3.8	2.1	1.5	2	mwc	37	35	33	31	28	24	18	10	131483	131484
MULTI 55.4N	8.3	4.8	2.8	2.2	3		50	47	45	43	39	33	26	16		131485
MULTI 55.6N	12.1	7	4.2	3	4		77	73	70	66	60	52	43	29		131486
MULTI 55.7N	15.6	9	4.9	4	5.5		90	86	82	78	70	60	50	35		131487

Performance curves at 2900 rpm

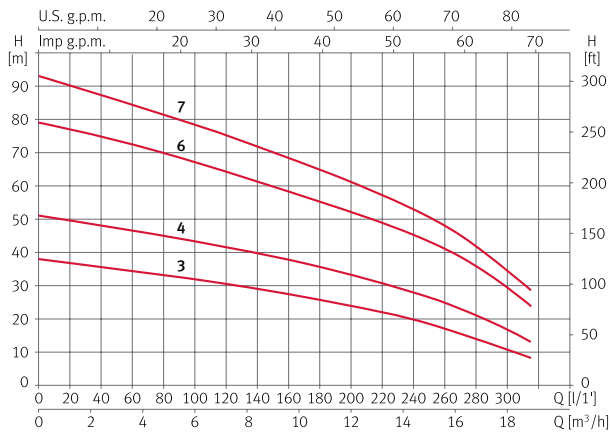
Multi25



Multi35 N



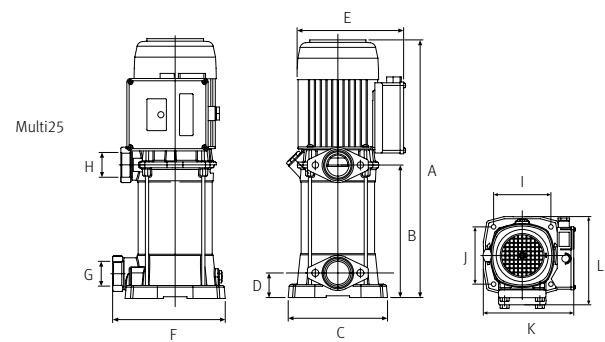
Multi55 N



Dimensions and weights

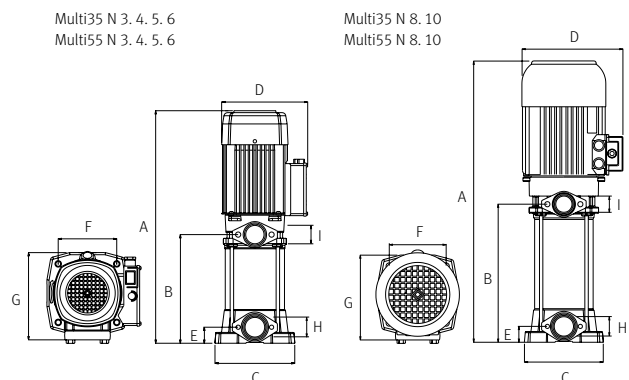
Multi25

Model	A	B	C	D	E	F	G	H	I	J	K	L	Kg
MULTI 25.3M	398	194	170	42	182	191	1 1/4"	1 1/4"	125	197	193	125	16.2
MULTI 25.4M	422	205	170	42	182	191	1 1/4"	1 1/4"	125	197	193	125	17.3
MULTI 25.5M	441	226	170	42	182	191	1 1/4"	1 1/4"	125	197	193	125	17.9



Multi35 N / Multi55 N

Model	A	B	C	D	E	F	G	H	I	Kg
MULTI 35.3MN	487	201.5	184	203	37	133	201	1 1/2"	1 1/4"	20.2/20
MULTI 35.4MN	511.5	226	184	203	37	133	201	1 1/2"	1 1/4"	22.4/20.4
MULTI 35.5MN	536	250.5	184	203	37	133	201	1 1/2"	1 1/4"	25.1/22.7
MULTI 35.6N	561	275	184	203	37	133	201	1 1/2"	1 1/4"	25.7
MULTI 35.8N	657.5	323	184	233	37	133	201	1 1/2"	1 1/4"	32.6
MULTI 35.10N	707.5	373	184	233	37	133	201	1 1/2"	1 1/4"	39.4
MULTI 55.3MN	531	245	184	203	37	133	201	1 1/2"	1 1/4"	25.7/23.3
MULTI 55.4N	571	285	184	203	37	133	201	1 1/2"	1 1/4"	26.6
MULTI 55.6N	696	362	184	203	37	133	201	1 1/2"	1 1/4"	35.4
MULTI 55.7N	736	402	184	203	37	133	201	1 1/2"	1 1/4"	39.7



*Service kits are available on request

Multi ESD Surface Vertical



Pump with integrated inverter

Applications

Constant water supply in dripping irrigation installations.
Industrial applications where constant pressure is required.

Materials and motor

As per the pump and Speedrive pages.
Efficiency IE3.
Energy Index MEI $\geq$ 0,4 for Multi 25/35.
Energy Index MEI $\geq$ 0,4 for Multi 55.

Equipment

Pumps supplied with VDF integrated.
Pressure transducer must be ordered separately.

Voltage range

Low voltage: disconnect at 180 V (M2)
310 V (T2/T3).
Automatic reset: 195 V (M2) 335 V (T2/T3).
High voltage: disconnect at 270 V (M2)
485 V (T2/T3).
Automatic reset: 250 V (M2) 475 V (T2/T3).

Operation principle

The VFD increase and decrease the speed of the motor according to the installation demand supplying constant pressure.
The input signal comes from a pressure transducer installed on the discharge pipe.
Speedrive are manufactured with all the protections in order to protect the pump, from dry running, temperature, over intensity, etc.



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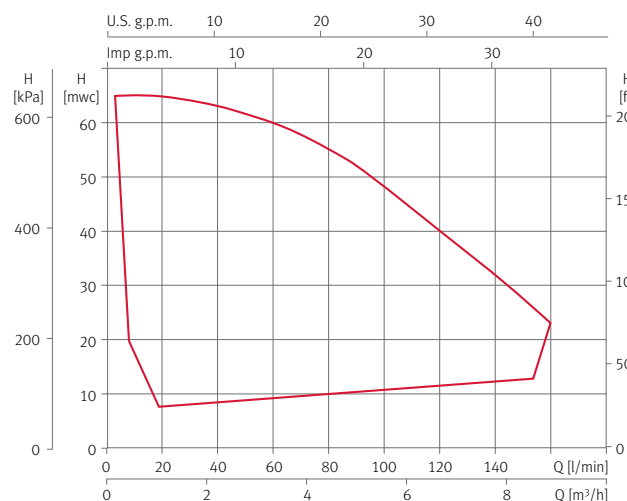
ErP READY

Hydraulic performance table

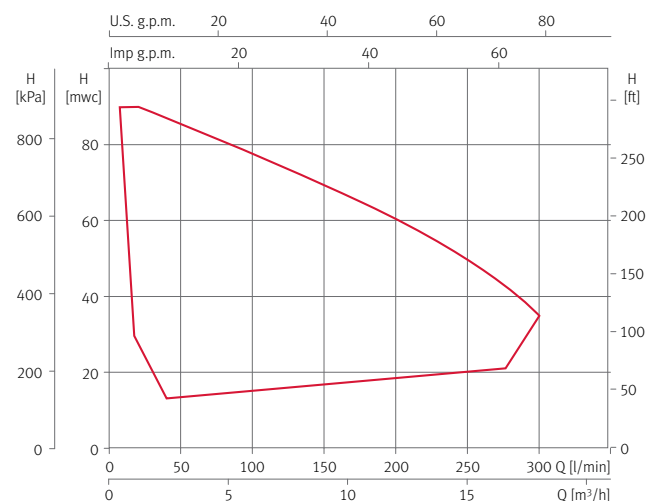
Model	Pump	Unit	P2	Vfd	Pump		1~230 V (Model M)	3~400 V (model T)
			[kW]		Suction	Discharge	Code	Code
MULTI 25.4 MESD	Multi 25 4	1	0.75	M2/T2	1 1/2"	1 1/4"	174102	174192
MULTI 25.5 MESD	Multi 25 5	1	0.92	M2/T2	1 1/2"	1 1/4"	174195	174194
MULTI 35.4 MNESD	Multi 35 4	1	1.1	M2/T2	1 1/2"	1 1/4"	174103	174191
MULTI 35.5 MNESD	Multi 35 5	1	1.5	M2/T2	1 1/2"	1 1/4"	174108	169761
MULTI 35.6 NESD	Multi 35 6	1	2.2	T2	1 1/2"	1 1/4"		169984
MULTI 35.8 NESD	Multi 35 8	1	3	T3	1 1/2"	1 1/4"		174101
MULTI 55.3 MNESD	Multi 55 3	1	1.5	T2	1 1/2"	1 1/4"	176600	176283
MULTI 55.4 NESD	Multi 55 4	1	2.2	T2	1 1/2"	1 1/4"		175488
MULTI 55.6 NESD	Multi 55 6	1	3	T3	1 1/2"	1 1/4"		175489
MULTI 55.7 NESD	Multi 55 7	1	4	T3	1 1/2"	1 1/4"		174100

Pressure transducer 4-20 mA (10 bar)

Performance area Multi ESDM at 2900 rpm



Performance area Multi ESD at 2900 rpm



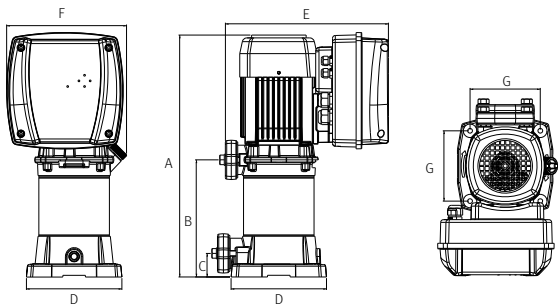
Multi ESD Surface Vertical



Dimensions and weights

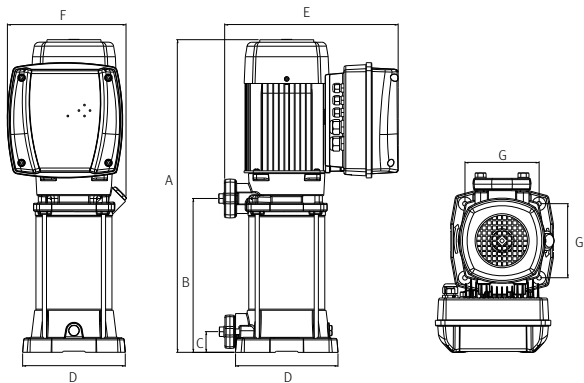
Multi ESD 25

Model	A	B	C	D	E	F	G	Suction	Discharge	Kg
Multi ESD 25 4M	420	205	42	170	290	213	125	1 1/4"	1 1/4"	20.3
Multi ESD 25 4T	420	205	42	170	290	213	125	1 1/4"	1 1/4"	20
Multi ESD 25 5M	442	226	42	170	290	213	125	1 1/4"	1 1/4"	21.1
Multi ESD 25 5T	442	226	42	170	290	213	125	1 1/4"	1 1/4"	20.9



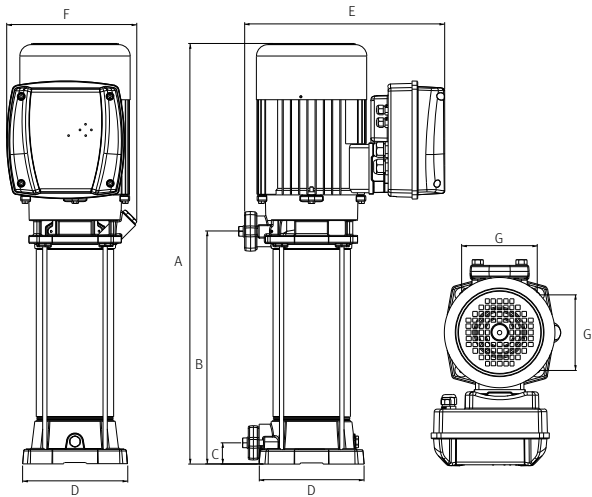
Multi ESD 35

Model	A	B	C	D	E	F	G	Suction	Discharge	Kg
Multi ESD 35 4M	511.5	226	37	184	312	213	133	1 1/2"	1 1/4"	25.4
Multi ESD 35 4T	511.5	226	37	184	312	213	133	1 1/2"	1 1/4"	23.4
Multi ESD 35 5M	536	250.5	37	184	312	213	133	1 1/2"	1 1/4"	28.1
Multi ESD 35 5T	536	250.5	37	184	312	213	133	1 1/2"	1 1/4"	25.7
Multi ESD 35 6T	561	275	37	184	312	213	133	1 1/2"	1 1/4"	28.7
Multi ESD 35 8T	657.5	323	37	184	312	213	133	1 1/2"	1 1/4"	35.6
Multi ESD 35 10T	707.5	373	37	184	312	213	133	1 1/2"	1 1/4"	42.4



Multi ESD 55

Model	A	B	C	D	E	F	G	Suction	Discharge	Kg
Multi ESD 55 3M	531	245	37	184	352	228	133	1 1/2"	1 1/4"	26.3
Multi ESD 55 3T	531	245	37	184	352	228	133	1 1/2"	1 1/4"	28.7
Multi ESD 55 4T	571	285	37	184	352	228	133	1 1/2"	1 1/4"	29.6
Multi ESD 55 6T	696	362	37	184	352	228	133	1 1/2"	1 1/4"	38.4
Multi ESD 55 7T	736	402	37	184	352	228	133	1 1/2"	1 1/4"	42.7



Quiet-running vertical IN-LINE multi-stage centrifugal pumps

Applications

Spray irrigation systems
and hydropneumatic sets.

Materials

Pump shaft, impellers, pump body
and protection grid in stainless steel
AISI 304.
Suction body, discharge body
and motor-pump coupling in cast iron.
Diffusers in technopolymer.
Motor housing in aluminium.
Rods F 212 Zn.
Pump motor coupling system V18.
EnergyIndex MEI $\geq$ 0, 4.

Motor

Asynchronous, two poles.
IP 54 protection.
Class F insulation.
Continuous operation.
Efficiency IE2.

Limitations

Maximum temperature of liquid: 40 °C.

Equipment

Supplied with counter flanges
and gaskets.

ErP READY



Multi VE94

Multi VE121N

WATER SUPPLY SURFACE
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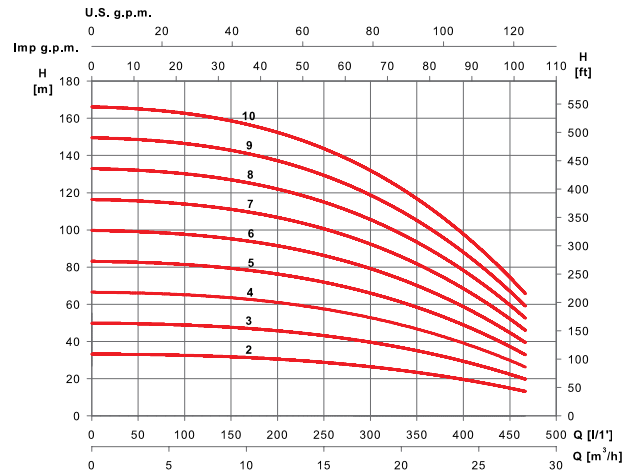
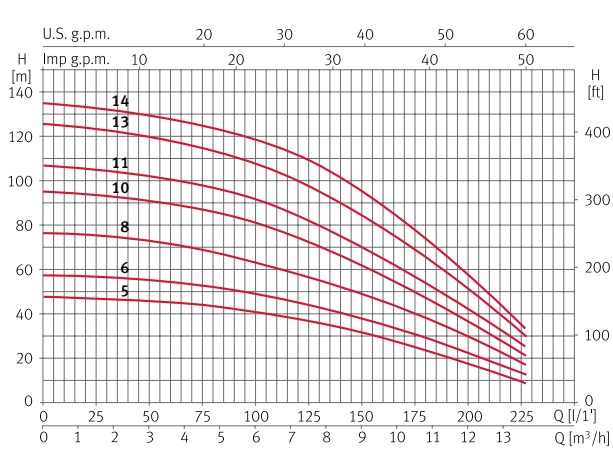
Hydraulic performance table

Model	I [A]			P1 [kW]	P2		l/min m³/h	25	50	100	125	150	175	200	225	1~230 V (Model M)	3~400 V (Model T)
	3~230 V	3~400 V	3~692 V	3~400 V	[kW]	[HP]		1.5	3.0	6.0	7.5	9.0	10.5	12	13.5	Code	Code
Multi VE94.5	6	3.5		2	1.5	2	mwc	47	46	41	37	32	25	18	9	97743	97740
Multi VE94.6	6.7	3.9		2.3	1.5	2		56	55	49	44	38	31	22	13	97750	97746
Multi VE94.8	8.9	5.2		3	2.2	3		75	73	63	56	49	40	30	18		97759
Multi VE94.10	11.7	6.8		3.9	3	4		93	91	81	72	62	50	36	22		97710
Multi VE94.11	12.4	7.2		4.4	3	4		105	102	91	82	70	56	42	26		97717
Multi VE94.11T		8.6	5	5	4	5.5		123	120	107	97	85	68	51	32		97717
Multi VE94.12T		9.7	5.4	5.5	5.5	7.5		132	129	118	109	95	77	57	35		97723
Multi VE94.13T		8.6	5	5	4	5.5		123	120	107	97	85	68	51	32		97726
Multi VE94.14T		9.7	5.4	5.5	5.5	7.5		132	129	118	109	95	77	57	35		97729

Model	I [A]			P1 [kW]	P2		l/min m³/h	0	65	130	195	260	325	390	455	3~400 V (Model T)
	3~230 V	3~400 V	3~692 V	3~400 V	[kW]	[HP]		0.0	3.9	7.8	11.7	15.6	19.5	23.4	27.3	Code
Multi VE121 2 N	10.4	6		3.4	3	4	mwc	33	33	32	31	28	25	20	14	203425
Multi VE121 3 N		8.3	4.8	4.8	4	5.5		50	49	48	46	42	37	31	21	203427
Multi VE121 4 N		11	6.3	6.5	5.5	7.5		66	66	64	61	57	50	41	29	203429
Multi VE121 5 N		13.6	7.8	8.2	5.5	7.5		83	82	80	77	71	62	51	36	203431
Multi VE121 6 N		15.8	9.1	9.7	7.5	10		100	99	96	92	85	75	61	43	203433
Multi VE121 7 N		18.5	10.7	11.3	9.2	12.5		116	115	112	107	99	87	71	50	203434
Multi VE121 8 N		23.1	13.3	13.8	11	15		133	132	128	123	113	100	81	57	203435
Multi VE121 9 N		23.5	13.5	14.3	15	20		150	148	145	138	127	112	92	64	203436
Multi VE121 10 N		24	13.9	15	15	20		166	165	161	153	141	125	102	71	203437

* VE94 5 to VE94 11 optional 230 1ph motors

Performance curves at 2900 rpm

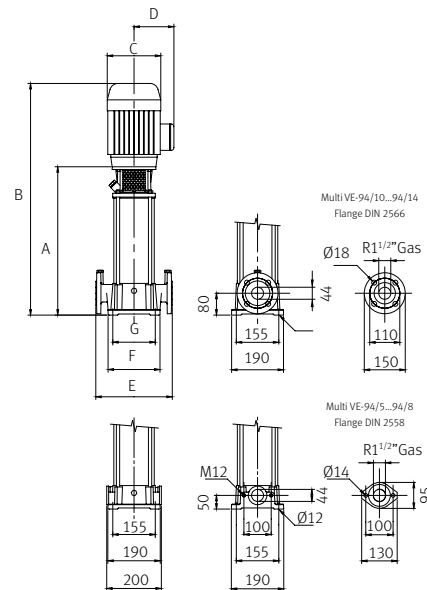


Dimensions and weights

Multi VE 94

Model	A	B	C	D	E	F	G	KgB
Multi VE94 5	450	700	176	127	280	190	155	34
Multi VE94 6	486	738	176	127	280	190	155	35
Multi VE94 8	563	838	176	127	280	190	155	38
Multi VE94 10	666	974	194	138	280	190	155	51
Multi VE94 11	703	1010	194	138	280	190	155	52
Multi VE94 13	780	1086	194	138	280	190	155	57
Multi VE94 14	816	1134	220	146	280	190	155	66

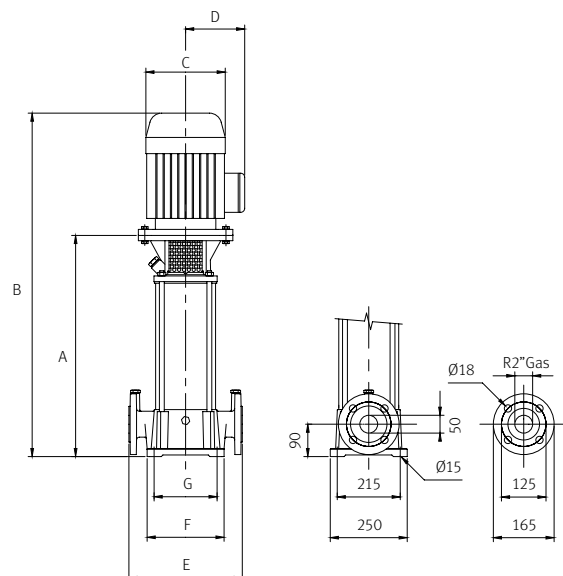
KgB: Hydraulic + motor.



Multi VE121

Model	A	B	C	D	E	F	G	KgB	KgA
Multi VE121 2	470	776	195	140	300	210	130	58.4	37.8
Multi VE121 3	522	847	195	140	300	210	130	64.9	39.2
Multi VE121 4	574	943	220	182	300	210	130	81.7	42.6
Multi VE121 5	626	995	220	182	300	210	130	83.4	44.3
Multi VE121 6	678	1085	220	182	300	210	130	85.5	45.8
Multi VE121 7	730	1137	220	182	300	210	130	94.2	47.3
Multi VE121 8	782	1189	220	182	300	210	130	95.8	48.9
Multi VE121 9	834	1241	220	182	300	210	130	102.7	50.4
Multi VE121 10	886	1293	220	182	300	210	130	104.2	51.9

KgA: Hydraulic. **KgB:** Hydraulic + motor.



*Service kits are available on request

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

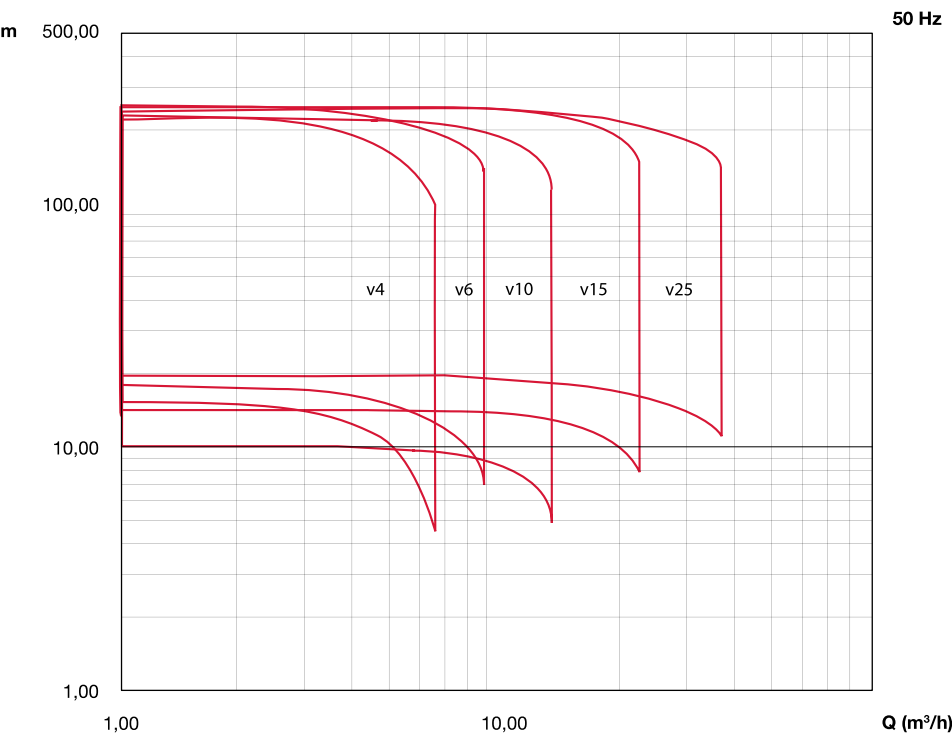
Protection IP55 class F.
Efficiency rate IE3 (for all three-phase motors).
Voltage: 230/400V 50HZ up to 3 kW
400/690V 50HZ for power above 3 kW.

Material

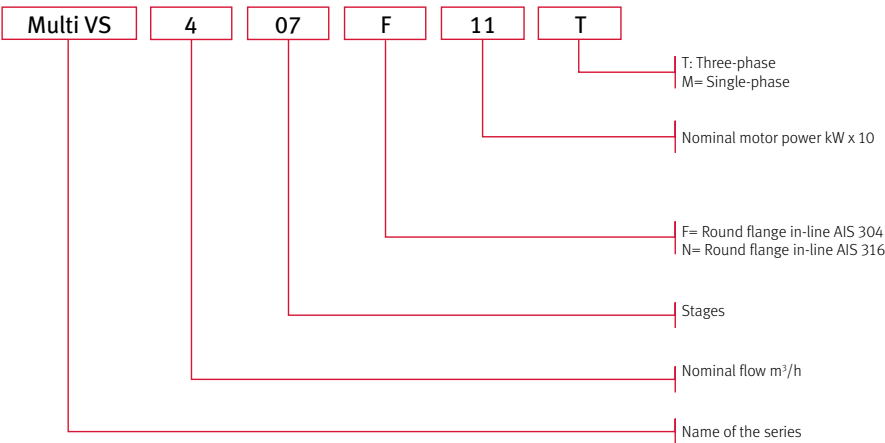
Multi VS F all wetted components in stainless steel AISI 304
Multi VS N all wetted components in stainless steel AISI 316
Multi VS C all wet parts in AISI 304 and foot in cast iron.



Field of application

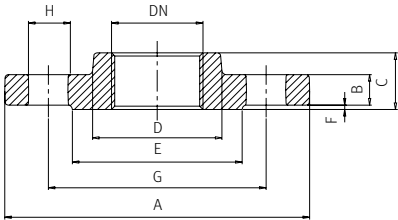


Acronyms identification Multi VS 4, 6, 10, 15 and 25



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

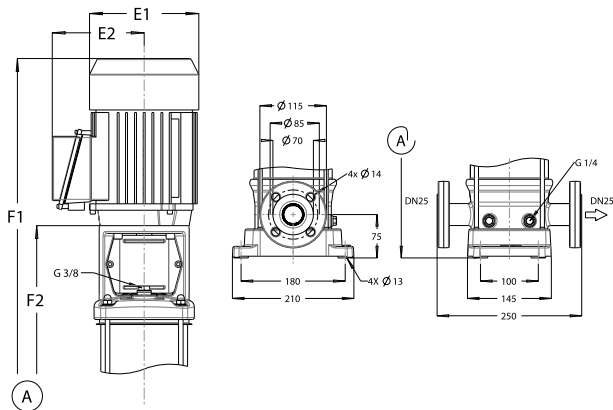
Multi VS25

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

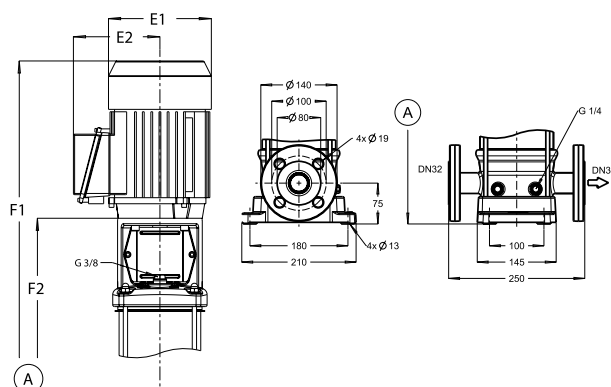
Multi VS4

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



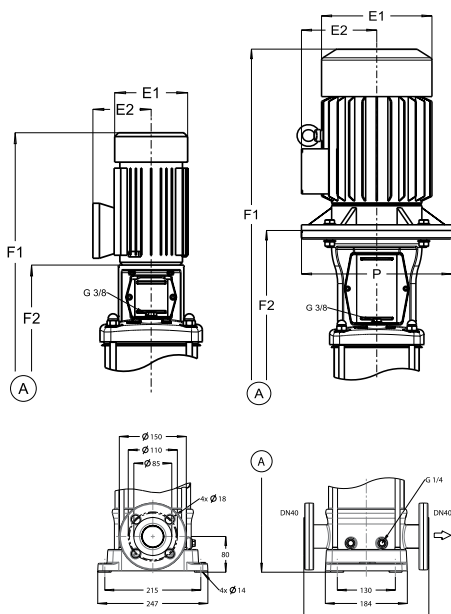
Multi VS6

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



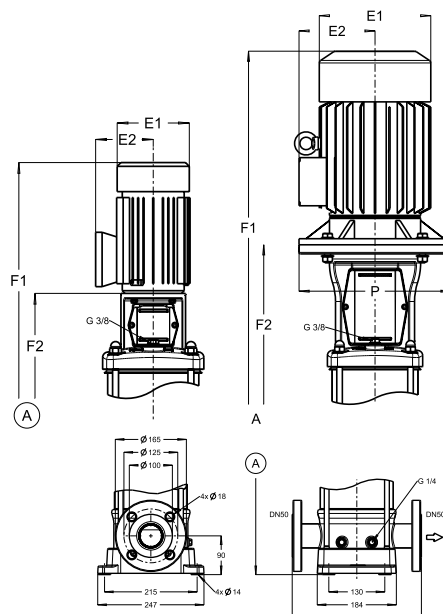
Multi VS10

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



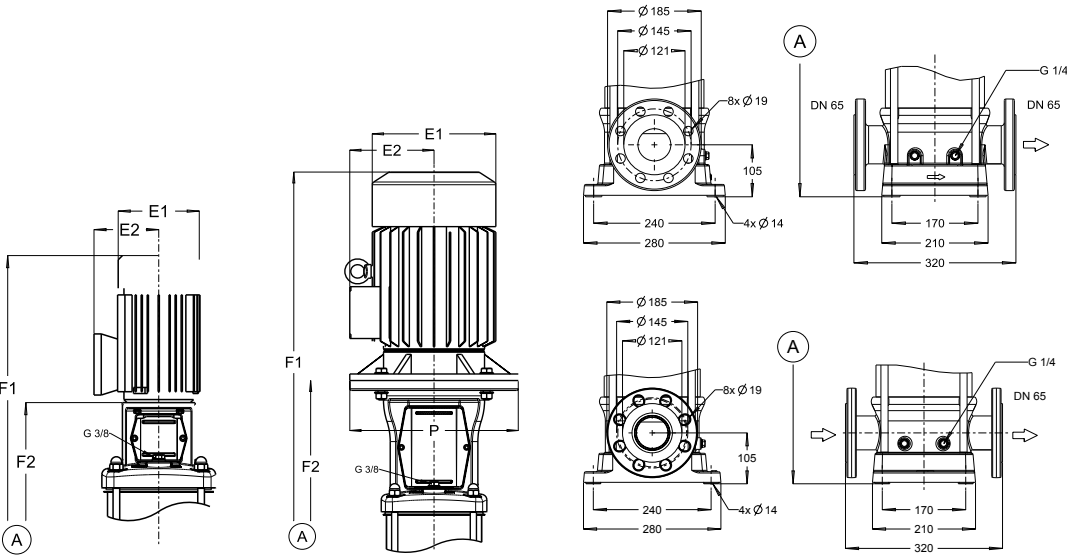
Multi VS Surface Vertical



Dimension and weight

Multi VS25

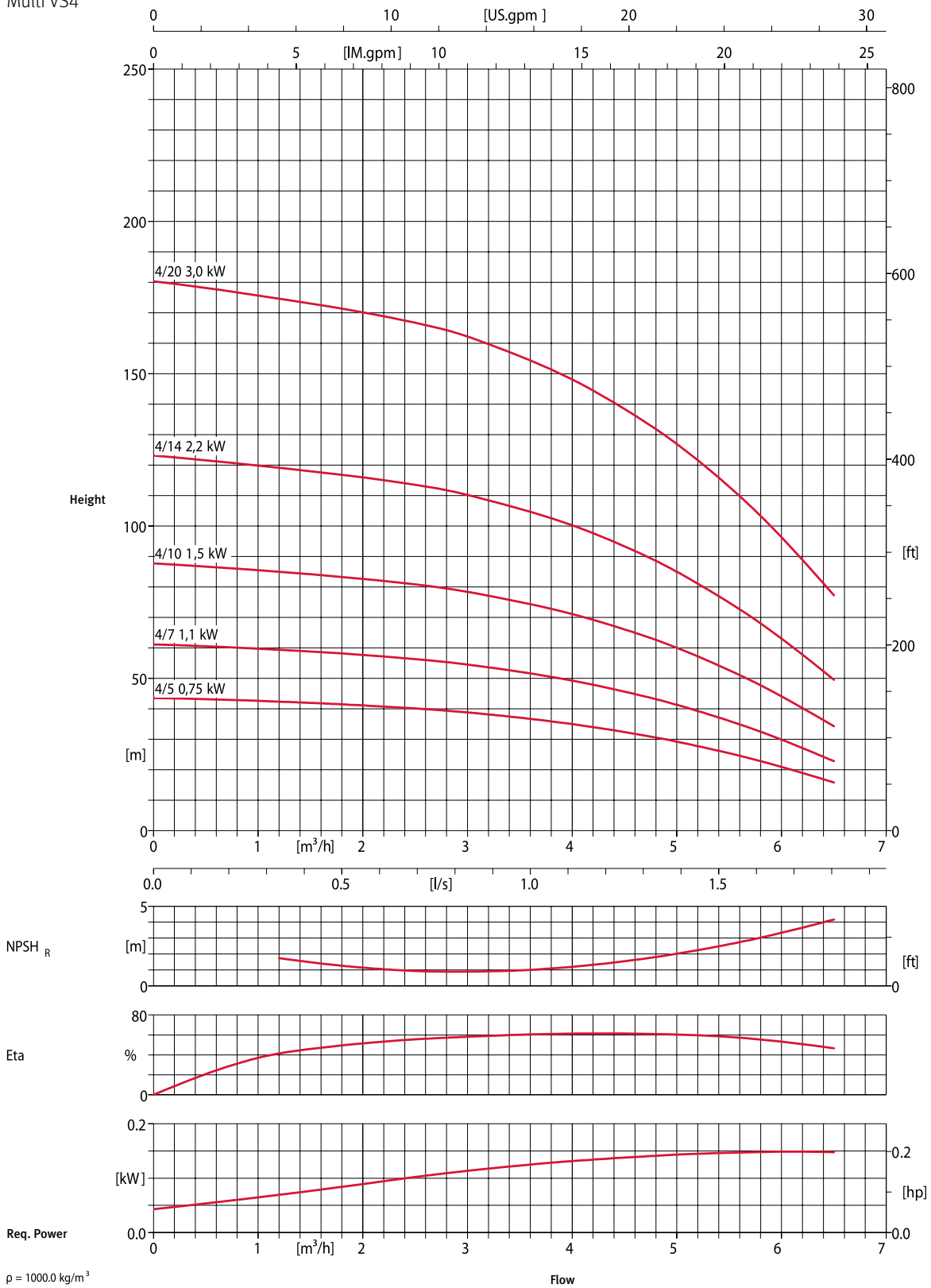
Model	Motor dimensions			Multi VS (C/S) F		
	E1	E2	P	F1	F2	Kg
Multi VS25/1	176	141		693	408	70
Multi VS25/2	223	167		818	478	85
Multi VS25/3	266	178	300	999	634	114
Multi VS25/4	266	178	300	1.064	699	121
Multi VS25/6	315	204	350	1.357	859	206
Multi VS25/8	315	204	350	1.487	989	231



*Service kits are available on request

Performance curves at 2900 rpm

Multi VS4

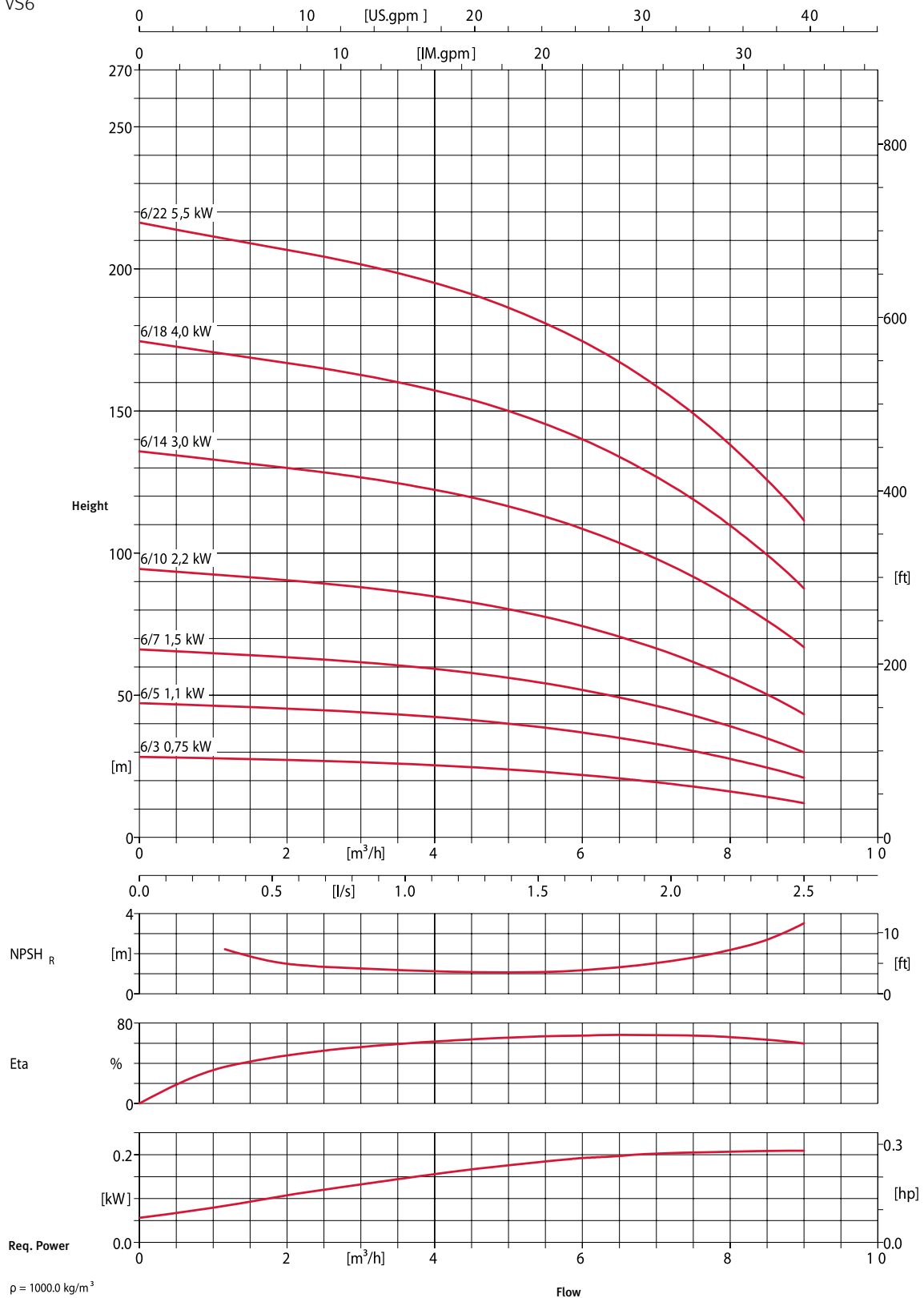


Multi VS Surface Vertical



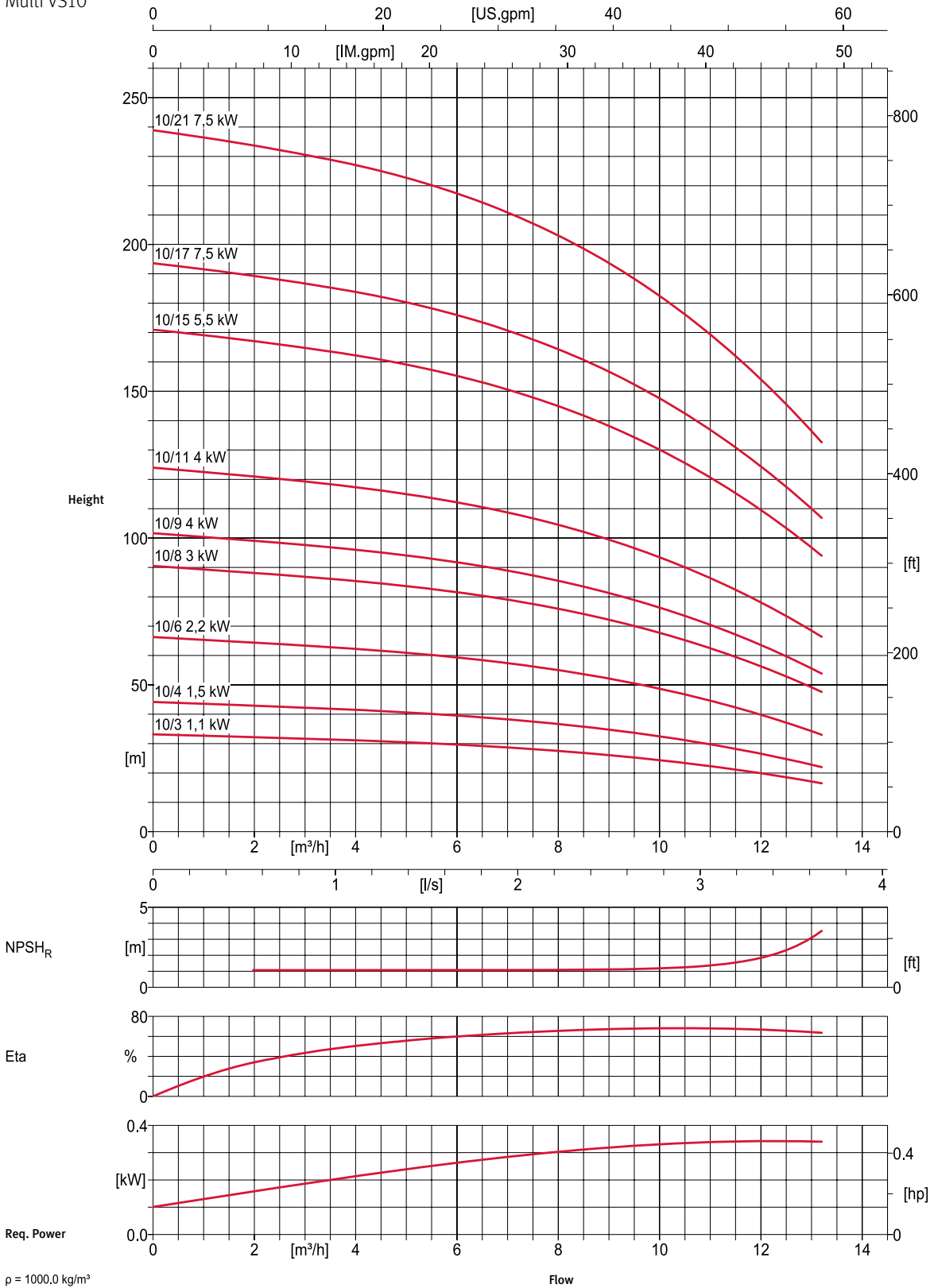
Performance curves at 2900 rpm

Multi VS6



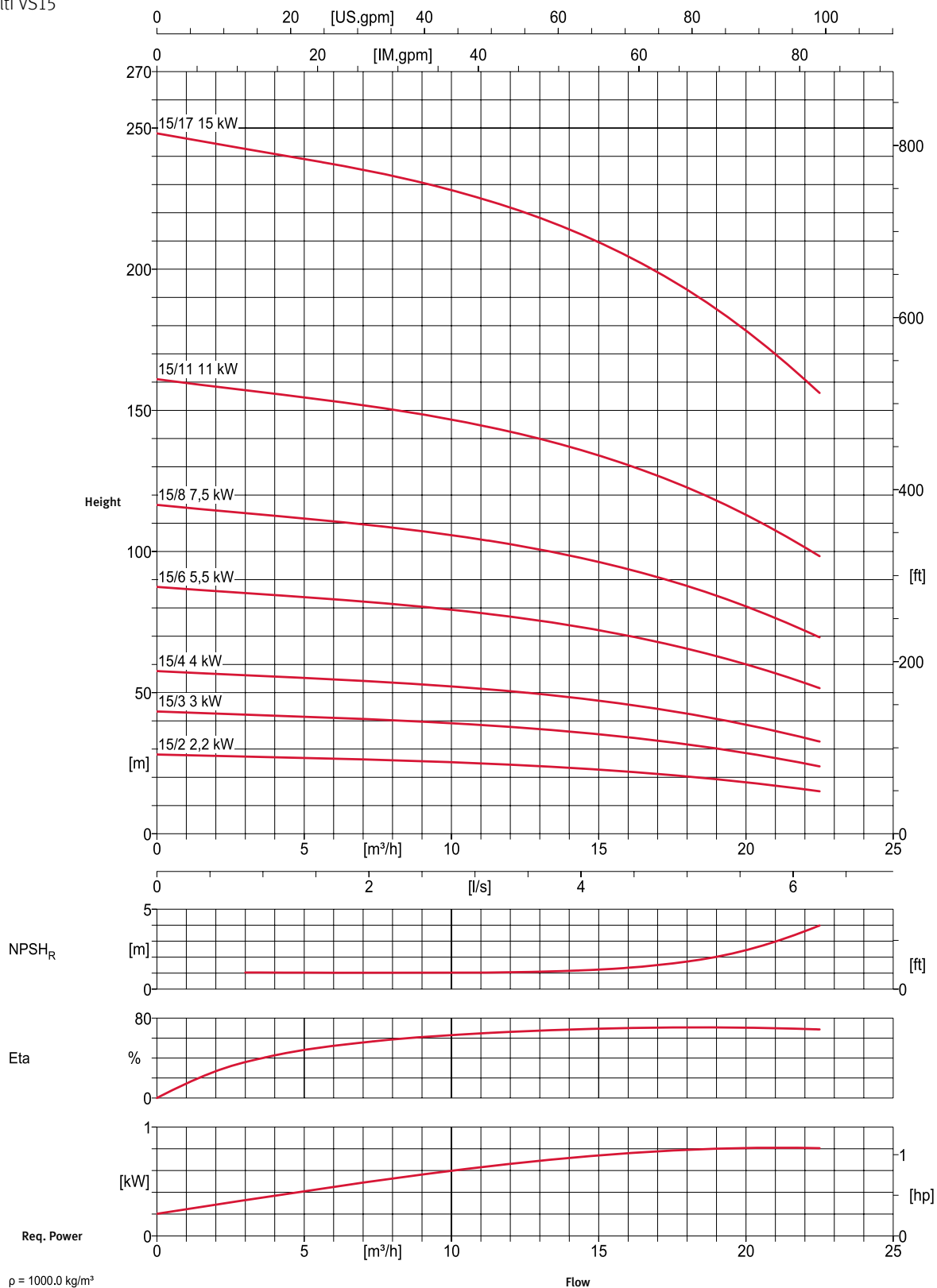
Performance curves at 2900 rpm

Multi VS10



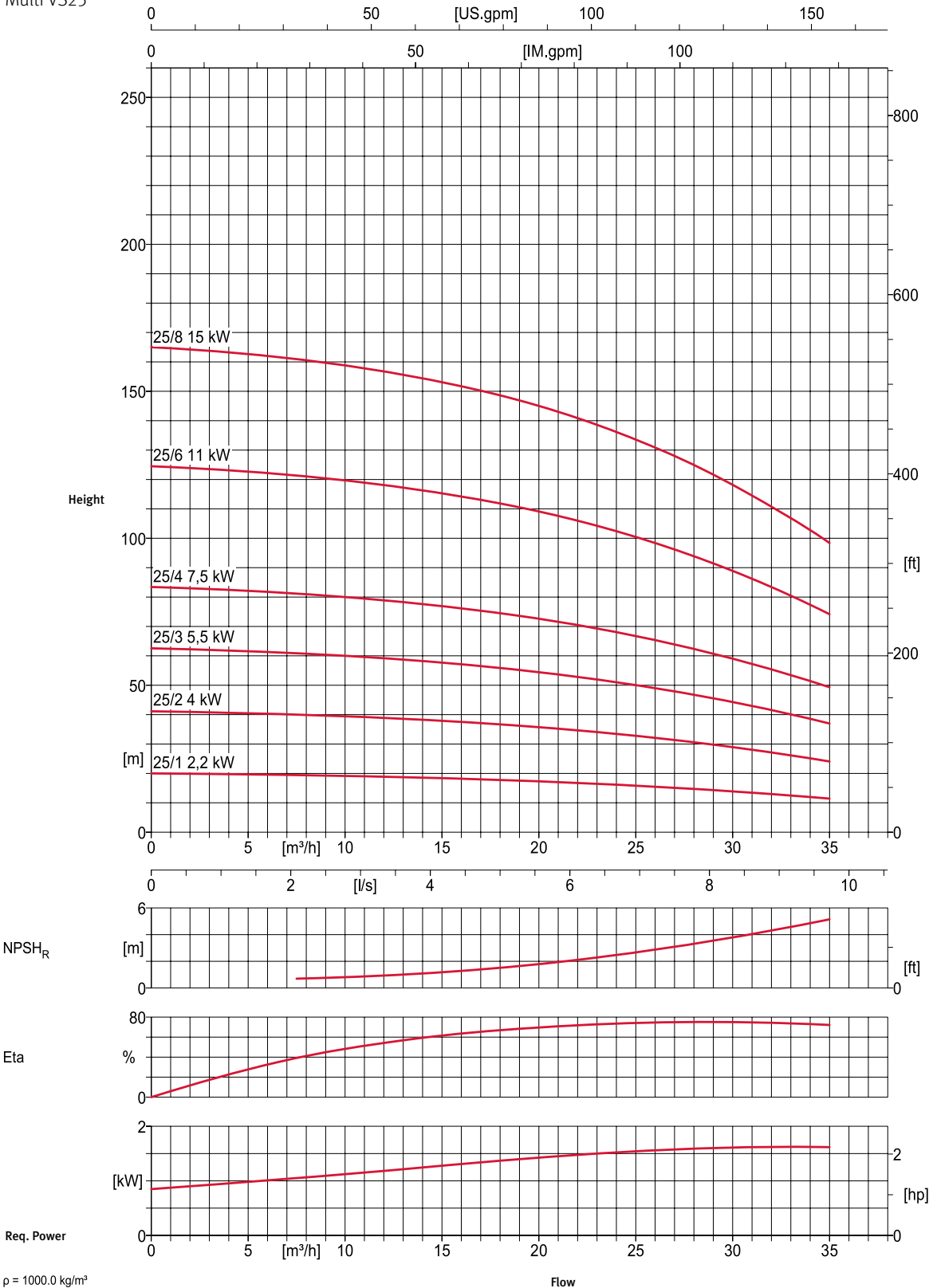
Performance curves at 2900 rpm

Multi VS15



Performance curves at 2900 rpm

Multi VS25



Multi VS-ESD Surface vertical variable speed



Pump with integrated inverter

The ESPA Speedrive (ESD) variable-frequency controller can be integrated with the following **ESPA** pumps: **MULTI-ESD**, **PRISMA-ESD** and **Multi VS-ESD**. Combining the pump with the ESD extends the hydraulic range for each model. This guarantees the most efficient operation at various duty points by working beyond the restrictions of a fixed speed pump curve.

The **ESD module can be adapted to the three-phase** motors of both new ESPA pumps and units **in existing installations**.

Using ESPA ESD improves the service quality of the system and extends the unit's life span.

A further advantage of ESD is that the large accumulation vessel used in fixed speed systems can be replaced by a far smaller unit.

The variable-speed system **delivers constant pressure in varying demand systems**.

Applications

Water supply and pressure boosting for residential, commercial or services buildings.

Clean water transfer, water treatment, irrigation, etc.

Materials

Hydraulic completely in stainless steel AISI 304 or AISI 316 (version N). Mechanical seal in silicon/carbon/EPDM.

Motor

Voltage range for the ESPA inverter Speedrive

M2-M3:

Low voltage disconnect at 180 V, automatic reset at 195V

High voltage disconnect at 270V, automatic reset at 250V

T2-T3 T4:

Low voltage disconnect at 310 V, automatic reset at 335V

High voltage disconnect at 485V, automatic reset at 475V

Equipment

Supplied with a standard pressure transducer 10, 16 or 25 bar.

Counter flanges (optional extra)



WATER SUPPLY SURFACE
HORIZONTAL & VERTICAL



Hydraulic performance table

Model	I [A]		P1 [kW]	P2		ESD	1~230 V (model M)	3~400 V (model T)
	3~230 V	3~400 V	3~400 V	[kW]	[HP]		Code	Code
MULTI VS-ESD 4 05F	3.1	1.8	1	0.75	1	M2/T2	206803	206732
MULTI VS-ESD 4 07F	4.2	2.4	1.3	1.1	1.5	M2/T2	202181	202182
MULTI VS-ESD 4 10F	5.7	3.3	1.8	1.5	2	M2/T2	205502	205111
MULTI VS-ESD 4 14F	8.2	4.7	2.6	2.2	3	M3/T3	205259	205099
MULTI VS-ESD 4 20F	10.2	6.2	3.6	3	4	T3		205667

Model	I [A]		P1 [kW]	P2		ESD	1~230 V (model M)	3~400 V (model T)
	3~230 V	3~400 V	3~400 V	[kW]	[HP]		Code	Code
MULTI VS-ESD 6 03F	3.1	1.8	1	0.75	1	M2/T2	203112	203113
MULTI VS-ESD 6 05F	4.2	2.4	1.3	1.1	1.5	M2/T2	203480	203481
MULTI VS-ESD 6 07F	5.7	3.3	1.8	1.5	2	M2/T2	203999	203998
MULTI VS-ESD 6 10F	8.2	4.7	2.6	2.2	3	M3/T3	205260	203876
MULTI VS-ESD 6 14F	10.2	6.2	3.6	3	4	T3		203783
MULTI VS-ESD 6 18F	13.4	7.7	4.6	4	5.5	T4		203779
MULTI VS-ESD 6 22F	17.5	10.1	6.3	5.5	1.8	T4		203781

Hydraulic performance table

Model	I [A]		P1 [kW]	P2		ESD	1~230 V (model M)	3~400 V (model T)
	3~230 V	3~400 V	3~400 V	[kW]	[HP]		Code	Code
MULTI VS-ESD 10 03F	3.1	1.8	1	1.1	1.5	M2/T2	203196	203055
MULTI VS-ESD 10 04F	4.2	2.4	1.3	1.5	2	M2/T2	203198	203129
MULTI VS-ESD 10 06F	5.7	3.3	1.8	2.2	3	M3/T3	205261	205269
MULTI VS-ESD 10 08F	8.2	4.7	2.6	3	4	T3		203000
MULTI VS-ESD 10 09F	10.2	6.2	3.6	4	5.5	T4		203009
MULTI VS-ESD 10 11F	13.4	7.7	4.6	4	5.5	T4		202231
MULTI VS-ESD 10 15F	17.5	10.1	6.3	5.5	7.5	T4		202201

Model	I [A]		P1 [kW]	P2		ESD	1~230 V (model M)	3~400 V (model T)
	3~230 V	3~400 V	3~400 V	[kW]	[HP]		Code	Code
MULTI VS-ESD 15 02F	5.7	3.3	1.8	2.2	3	M3/T3	205262	202321
MULTI VS-ESD 15 03F	8.2	4.7	2.6	3	4	T3		202189
MULTI VS-ESD 15 04F	10.2	6.2	3.6	4	5.5	T4		204731
MULTI VS-ESD 15 06F	17.5	10.1	6.3	5.5	7.5	T4		205421

Model	I [A]		P1 [kW]	P2		ESD	1~230 V (model M)	3~400 V (model T)
	3~230 V	3~400 V	3~400 V	[kW]	[HP]		Code	Code
MULTI VS-ESD 25 01F	5.7	3.3	1.8	2.2	3	M3/T3	205263	213456
MULTI VS-ESD 25 02F	10.2	6.2	3.6	4	5.5	T4		205385
MULTI VS-ESD 25 03F	17.5	10.1	6.3	5.5	7.5	T4		202191