

Multi VE Surface Vertical



LENNTECH
WATER TREATMENT SOLUTIONS

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

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WATER SUPPLY SURFACE
HORIZONTAL & VERTICAL

Hydraulic performance table

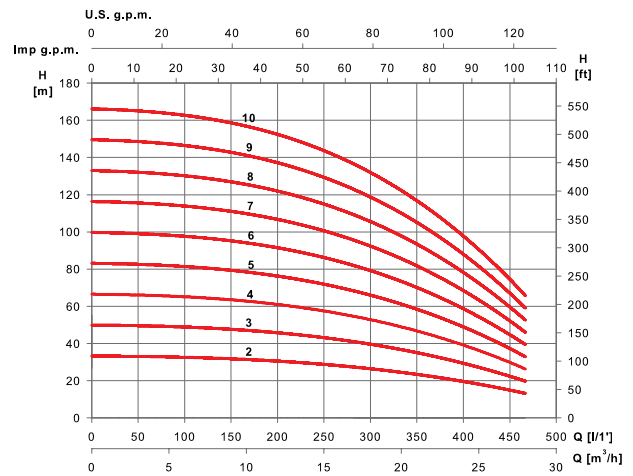
Model	I [A]			P1 [kW]	P2		l/min									1~230 V (Model M)	3~400 V (Model T)
	3~230 V	3~400 V	3~692 V	3~400 V	[kW]	[HP]		25	50	100	125	150	175	200	225	Code	Code
Multi VE94.5	6	3.5		2	1.5	2	mwc	47	46	41	37	32	25	18	9	97743	97740
Multi VE94.6	6.7	3.9		2.3	1.5	2		56	55	49	44	38	31	22	13	97750	97746
Multi 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									3~400 V (Model T)
	3~230 V	3~400 V	3~692 V	3~400 V	[kW]	[HP]		0	65	130	195	260	325	390	455	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

Figure 10 is a performance curve graph for the 1000 Series centrifugal pumps. The vertical axis (Y-axis) represents Head (H) in meters (m) and feet (ft). The horizontal axis (X-axis) represents Flow Rate (Q) in cubic meters per hour (m³/h) and US gallons per minute (US g.p.m.). The graph shows seven performance curves for different pump models: 5, 6, 8, 10, 11, 13, and 14. The curves indicate that the head decreases as the flow rate increases. The 1000 Series pumps are designed for a maximum head of 140 meters (460 feet) at zero flow.

Flow Rate (m³/h)	Flow Rate (US g.p.m.)	Model 5 H (m)	Model 6 H (m)	Model 8 H (m)	Model 10 H (m)	Model 11 H (m)	Model 13 H (m)	Model 14 H (m)
0	0	48	55	75	95	108	125	138
25	10	45	52	72	92	105	122	135
50	20	42	49	69	89	102	119	132
75	30	39	46	66	86	99	116	129
100	40	36	43	63	83	96	113	126
125	50	33	40	60	80	93	110	123
150	60	30	37	57	77	90	107	120
175	70	27	34	54	74	87	104	117
200	80	24	31	51	71	84	101	114
225	90	21	28	48	68	81	98	111



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

Multi VE-94/10...94/14
Flange DIN 2556

Ø18 R1 1/2" Gas

Multi VE-94/5...94/8
Flange DIN 2558

R1 1/2" Gas

M12

Ø14

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

[illegible]