

1P-HMV Series

Water Supply & Pressure Pumps

Variable Speed Vertical Multistage Booster Sets


 Made in Italy by Pentax Pumps

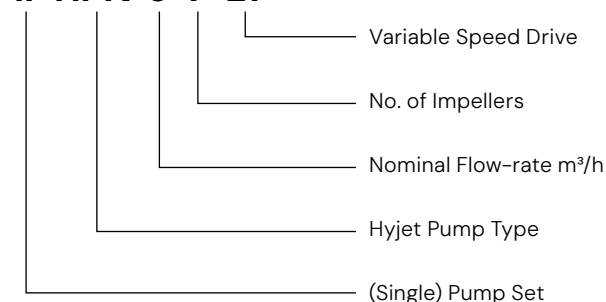
VSD Controller and Connection

1 x VSD directly mounted on board of the pumps with pre-set parameters in accordance to the connected pump;
available solution with E1 VSD (for pumps up to 2kW with single phase input voltage) or with E109 – E385 VSD (single phase input voltage up to 3 kW and with three phase input voltage up to 45 kW.

(See VSD Controllers on pages 121-123)

Identification Codes

1P HMV 5-7-E1



1P-HMV3 Technical Data

Type	P2		Amps	Q (m³/h - l/min)						
1~			1~	0	0.6	1.2	1.8	2.4	3.6	4.8
				0	10	20	30	40	60	80
	(HP)	(kW)	1x230V 50 Hz	H (m)						
1P-HMV3-7-E1	1.5	1.1	7.1	75.5	71.3	66.6	61.2	54.8	41.1	24.9
1P-HMV3-9-E1	2	1.5	8.4	95.8	92.2	86.3	78.9	70.7	52.7	30.8

1P-HMV



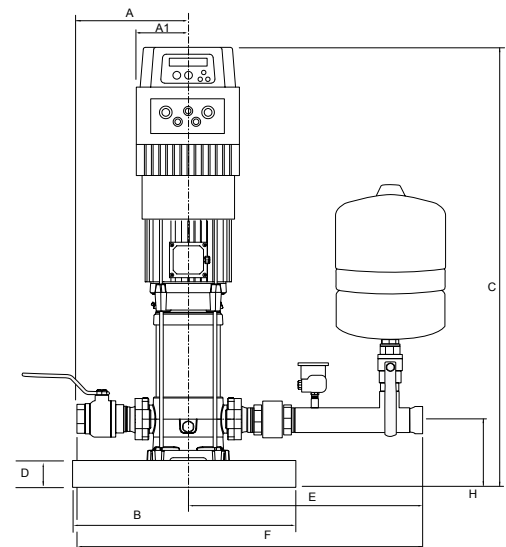
Construction and Features

- 1 x HMV Series vertical multistage electric pump.
- Stainless steel delivery manifold, fitted with single check valve and outlet connections for pressure sensors and pressure tank.
- Unit base and support for control panel in galvanised steel.
- Check valve installed on delivery side of pump.
- Ball valves fitted to suction side and pressure tank outlet.
- Pressure gauge with radial connection.
- 1 x E Series VSD with set parameters in accordance to the connected pump.
- Pressure sensor connected on the outlet manifold and electrically connected to VSD.
- On request: Pressure tanks 8 litre – 100 litre



Dimensions

Model	Dimensions (mm)								DNA	DNM
	A	A1	B	C	D	E	F	H		
1P-HMV3-7-E1	135	90	400	521	50	418	620	100	32mm	32mm
1P-HMV3-9-E1	208	90	400	833	50	418	620	100	32mm	32mm
1P-HMV5-7-E1	208	90	400	785	50	418	620	100	32mm	32mm
1P-HMV5-10-E114	208	90	400	902	50	418	620	100	32mm	32mm
1P-HMV9-6-E114	228	90	400	871	50	438	640	130	40mm	40mm
1P-HMV9-7-E309	228	90	400	871	50	438	640	130	40mm	40mm
1P-HMV9-10-E311	228	90	400	1026	50	438	640	130	40mm	40mm
1P-HMV18-4-E114	228	90	400	853	50	438	640	140	50mm	50mm
1P-HMV18-6-E311	228	90	400	961	50	438	640	140	50mm	50mm
1P-HMV18-9-E318	228	90	400	1120	50	438	640	140	50mm	50mm



1P-HMV5 Technical Data

Type	P2		Amps	Q (L/min)							
				0	1.8	2.4	3.6	4.8	6.0	7.2	8.4
				0	30	40	60	80	100	120	140
	(HP)	(kW)	1x230V	H (m)							
1P-HMV5-7-E1	2	1.5	9	80.3	73.6	71.0	64.5	56.1	46.0	33.4	12.5
1P-HMV5-10-E114	3	2.2	12.8	112.7	103.9	99.9	89.8	78.2	64.0	46.4	21.0

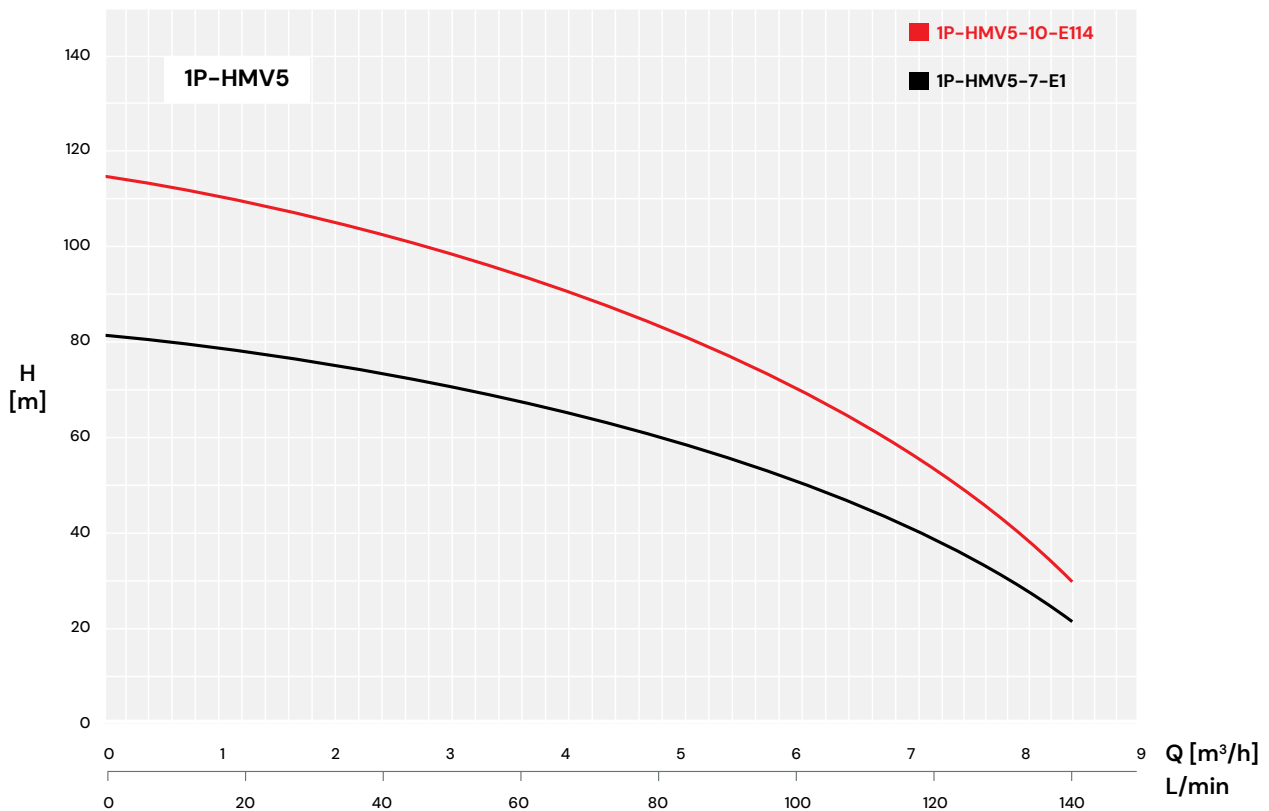
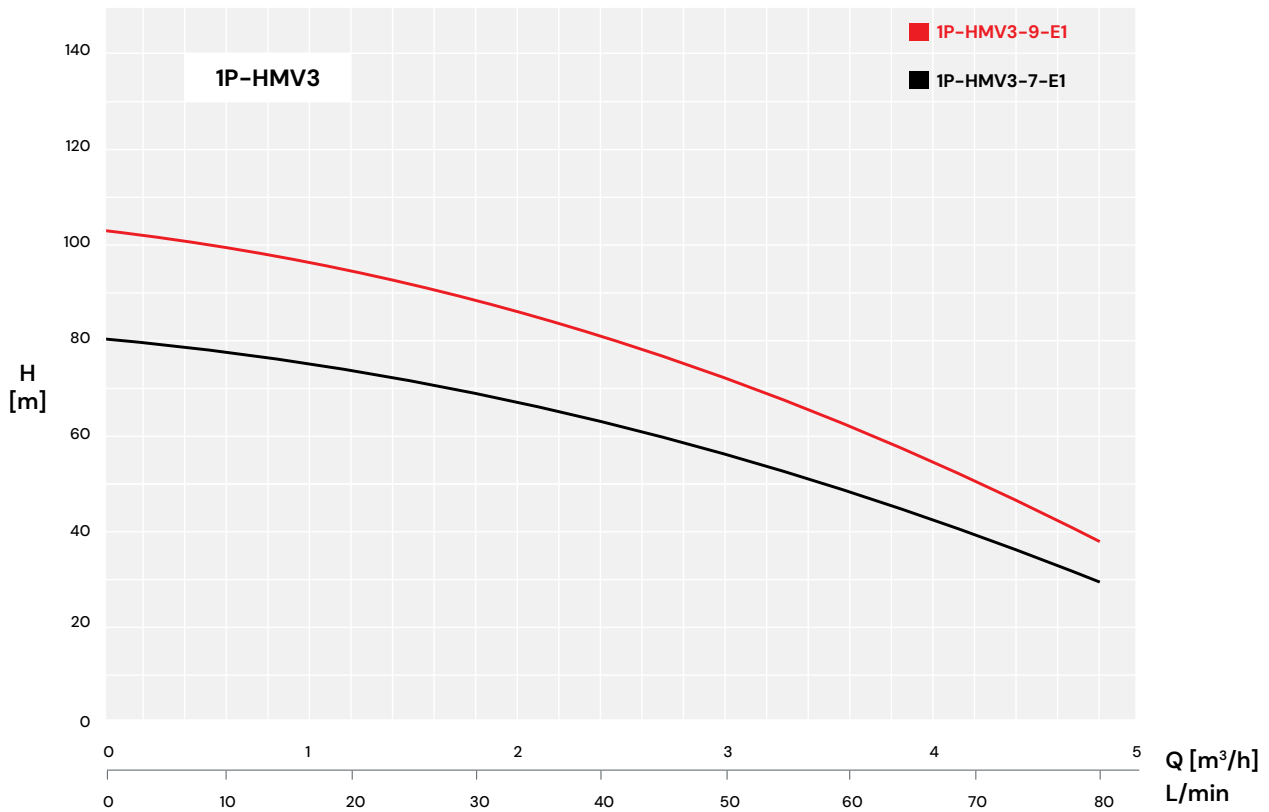
1P-HMV9 Technical Data

Type	P2		Amps	Q (L/min)							
				0	3.6	4.8	7.2	9.6	12.0	13.2	14.4
				0	60	80	120	160	200	220	240
	(HP)	(kW)	230V	415V	H (m)						
1P-HMV9-6-E114	3	2.2	12.2		69.4	63.7	61.4	55.6	46.5	33.5	25.4
1P-HMV9-7-E309	4	3		5.8	83.3	77.8	75.7	68.9	58.5	43.6	34.7
1P-HMV9-10-E311	5.5	4		8.1	119.5	111.6	108.2	99.3	84.6	63.5	51.2

1P-HMV18 Technical Data

Type	P2		Amps	Q (L/min)							
				0	6.0	7.2	9.6	12.0	14.4	16.8	19.2
				0	100	120	160	200	240	280	320
	(HP)	(kW)		H (m)							
1P-HMV18-4-E114	4	3	5.8	47.1	45.4	45.2	44.3	42.6	40.0	36.0	30.6
1P-HMV18-6-E311	5.5	4	8.4	71.4	69.7	69.6	68.2	65.7	62.2	56.3	48.0
1P-HMV18-9-E318	10	7.5	8	108.5	106.9	107.0	105.3	101.7	96.8	88.6	75.9

Performance



Performance

