

HMV Series

Water Supply & Pressure Pumps
VSD Vertical Multistage Pumps



 Made in Italy by Pentax Pumps

Overview

The HMV Series are variable speed drive Stainless steel multistage vertical pumps. Designed for pumping clean non-loaded fluids for pressurising systems: irrigation, drinking and glycol water, water treatment, heating and air conditioning, and washing systems.

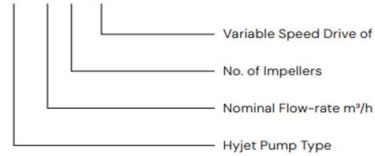
The HMV Series are at the pinnacle of quality and innovation. Driven by the E1 – E318 Variable Speed Drives, they are efficient to run and all manufactured in Italy.

Features

- Pump Body: Stainless Steel AISI304
- Impeller: Stainless Steel AISI304
- Mechanical Seal:
 - Ceramic / Graphite < 6
 - Impellers Graphite / Silicone Carbide < 7 Impellers
- Liquid Temperature: -15 to 110C
- Max Operating Pressure:
 - 8.5 bar < 6 impellers
 - 14 bar < 7 impellers
- Motor: 2 Pole Induction with Thermal Protection
- Insulation: Class F
- Protection: IP44

Identification Codes

HM 5-7-E1



Commercial Plumbing & Fire Supplies

Site Address

6A Kelly Court,
Springvale, VIC 3171

Postal Address

6A Kelly Court,
Springvale, VIC 3171

Contact Details

P: 03 9791 7500
E: sale@cpfs.net.au

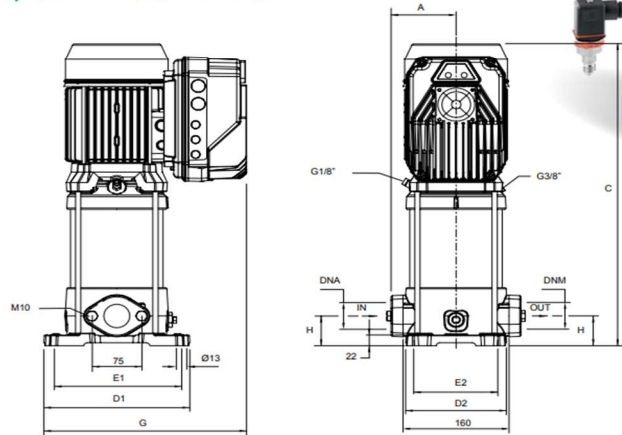


HMV Series

Water Supply & Pressure Pumps
VSD Vertical Multistage Pumps



Made in Italy by Pentax Pumps



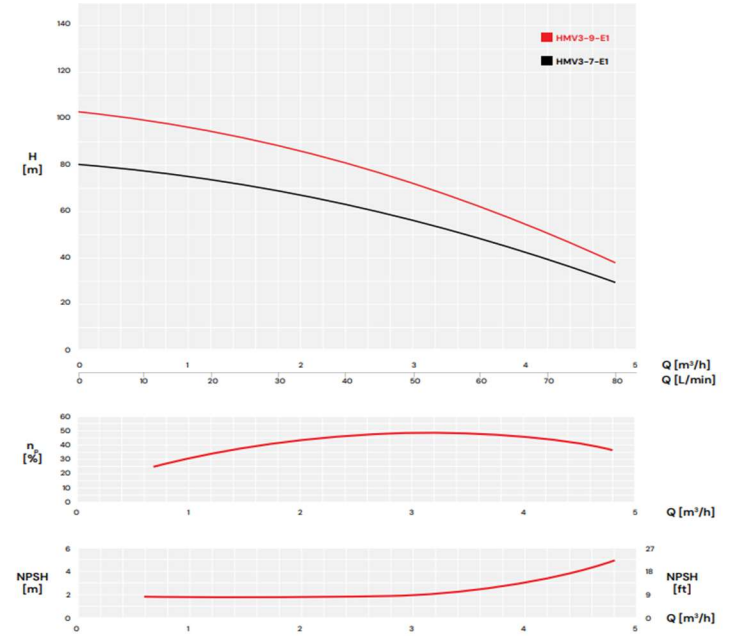
Dimensions

Model	Dimensions (mm)								DNA	DNM	Kg
	A	C	D1	D2	E1	E2	G	H			
HMV3-7-E1	98	537	220	150	180	100	228	50	32mm	32mm	23.0
HMV3-9-E1	98	585	220	150	180	100	228	50	1½"	1½"	25.0

HMV3



Performance



Technical Data

Type	P2		Amps	Q (m³/h - l/min)							
				H (m)							
			(HP)	(kW)	0	0.6	1.2	1.8	2.4	3.6	4.8
1-	1x230V 50 Hz		1-	0	0.6	1.2	1.8	2.4	3.6	4.8	
				0	10	20	30	40	60	80	
HMV3-7-E1	1.5	1.1	6.4	80.1	77.7	74.2	69.1	63.3	48.8	30	
HMV3-9-E1	2	1.5	7.7	103	99.9	95.4	88.8	81.4	62.7	38.6	

Commercial Plumbing & Fire Supplies

Site Address

6A Kelly Court,
Springvale, VIC 3171

Postal Address

6A Kelly Court,
Springvale, VIC 3171

Contact Details

P: 03 9791 7500
E: sale@cpfs.net.au

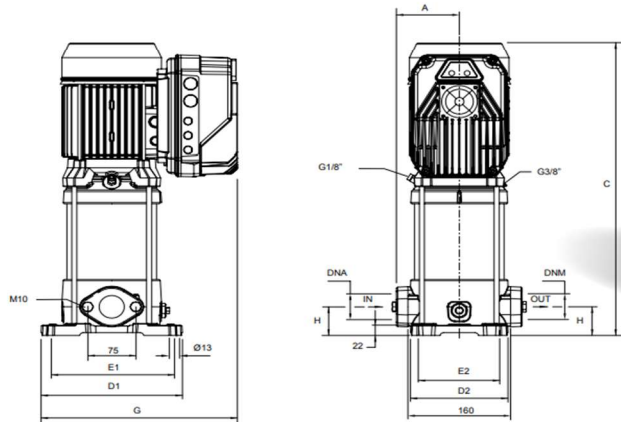


HMV Series

Water Supply & Pressure Pumps
VSD Vertical Multistage Pumps

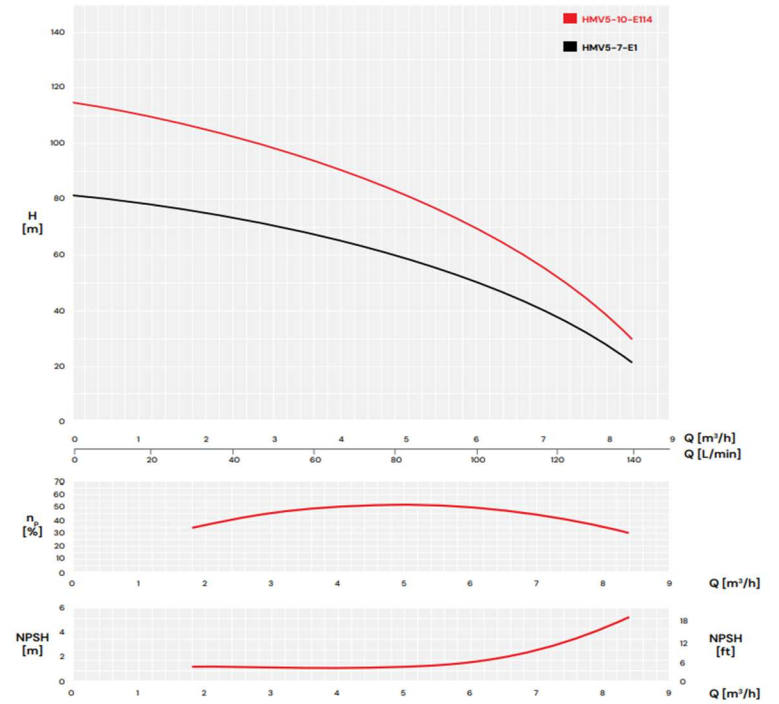


Made in Italy by Pentax Pumps



HMV5

Performance



Dimensions

Model	Dimensions (mm)									DNA	DNM
	A	A1	C	D1	D2	E1	E2	G	H		
HMV5-7-E1	98	90	537	220	150	180	100	228	50	32mm	32mm
HMV5-10-E114	98	90	664	220	150	180	100	236	50	32mm	32mm

Technical Data

Type	P2		Amps	Q (L/min)							
	(HP)	(kW)		0	1.8	2.4	3.6	4.8	6.0	7.2	8.4
			1x230V	H (m)							
HMV5-7-E1	2	1.5	8.7	81	75.5	73	67.4	60.3	51	38.6	21
HMV5-10-E114	3	2.2	11.9	114.2	106.4	102.9	95.2	85.2	72.0	53.3	30

Commercial Plumbing & Fire Supplies

Site Address

6A Kelly Court,
Springvale, VIC 3171

Postal Address

6A Kelly Court,
Springvale, VIC 3171

Contact Details

P: 03 9791 7500
E: sale@cpfs.net.au

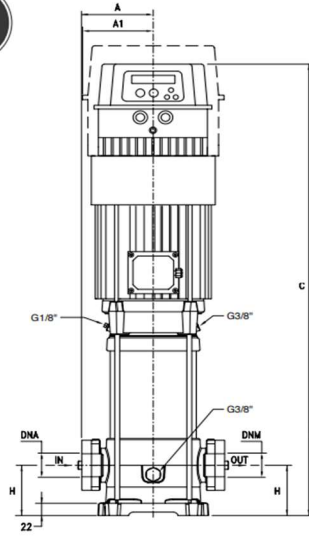
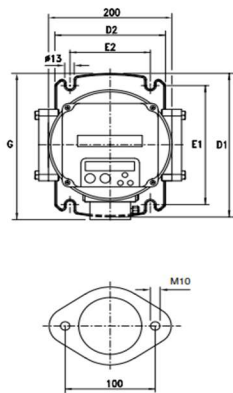


HMV Series

Water Supply & Pressure Pumps
VSD Vertical Multistage Pumps

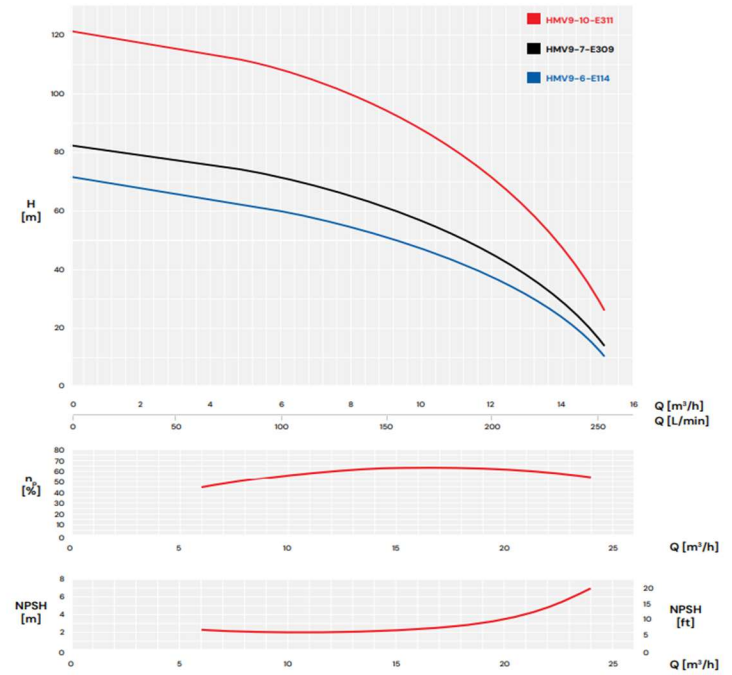


Made in Italy by Pentax Pumps



HMV9

Performance



Dimensions

Model	Dimensions (mm)									DNA	DNM
	A	A1	C	D1	D2	E1	E2	G	H		
HMV9-6-E114	118	90	821	260	180	215	130	256	80	40mm	40mm
HMV9-7-E309	118	90	856	260	180	215	130	261	80	40mm	40mm
HMV9-10-E311	118	90	976	260	180	215	130	271	80	40mm	40mm

Technical Data

Type	P2		Amps		Q (L/min)											
	(HP)	(kW)	230V	415V	0	60	80	100	120	140	160	180	200	220	240	260
	H (m)															
HMV9-6-E114	3	2.2	12.5		71.8	64.9	63	59.9	57	53.7	49.7	44.3	37	29.5	20.8	11.1
HMV9-7-E309	4	3		5.8	83.3	76.7	74.9	71.8	68.3	64.6	59.9	53.5	44.8	35.9	25.7	14.3
HMV9-10-E311	5.5	4		8.3	122	112.8	110.5	106.5	102.2	97.3	91.6	82.8	70.7	57.1	42.3	26.5

Commercial Plumbing & Fire Supplies

Site Address

6A Kelly Court,
Springvale, VIC 3171

Postal Address

6A Kelly Court,
Springvale, VIC 3171

Contact Details

P: 03 9791 7500
E: sale@cpfs.net.au

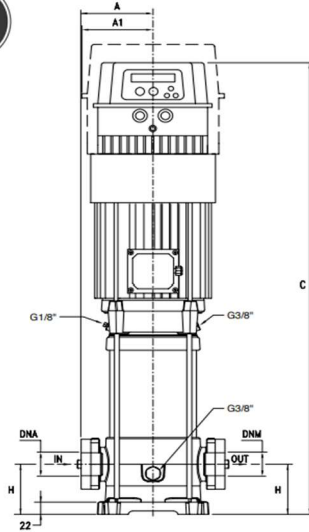
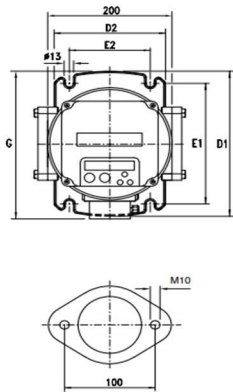


HMV Series

Water Supply & Pressure Pumps
VSD Vertical Multistage Pumps

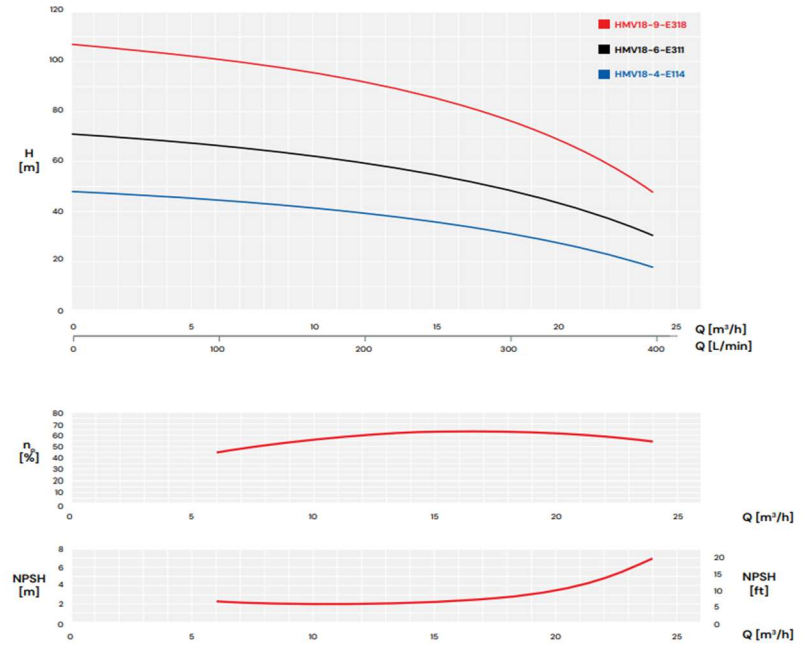


Made in Italy by Pentax Pumps



HMV18

Performance



Dimensions

Model	Dimensions (mm)								DNA	DNM
	A	C	D1	D2	E1	E2	G	H		
HMV18-4-E114	118	603	260	180	215	130	257	90	50mm	50mm
HMV18-6-E311	118	718	260	180	215	130	251	90	50mm	50mm
HMV18-9-E318	118	893	260	180	215	130	280	90	50mm	50mm

Technical Data

Type	P2		Amps	Q (l/min)										
	(HP)	(kW)		H (m)										
				0	6	7.2	9.6	12.0	14.4	16.6	19.2	21.6	24.0	
				0	100	120	160	200	240	280	320	360	400	
HMV18-4-E114	4	3	5	46.3	44.2	43.4	41.4	39.1	36.7	34.1	30.8	25.6	19.0	
HMV18-6-E311	5.5	4	4.7	70.1	66.4	66.3	63.4	60.0	60.5	52.4	47.6	39.6	29.9	
HMV18-9-E318	10	7.5	12.9	106.4	102.8	101.3	97.2	92.4	87.3	81.6	75.0	63.5	48.5	

Commercial Plumbing & Fire Supplies

Site Address

6A Kelly Court,
Springvale, VIC 3171

Postal Address

6A Kelly Court,
Springvale, VIC 3171

Contact Details

P: 03 9791 7500
E: sale@cpfs.net.au



1P-HMV Series

Water Supply & Pressure Pumps

Variable Speed Vertical Multistage Booster Sets



Made in Italy by Pentax Pumps

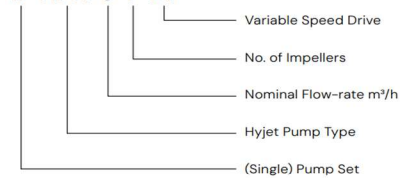
VSD Controller and Connection

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



Construction and Features

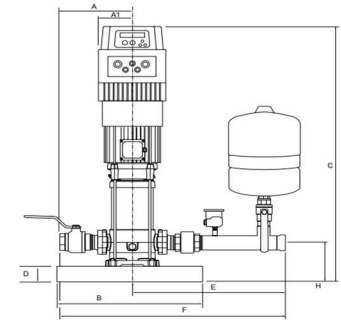
- 1 x HMV Series vertical multistage electric pump.
- Stainless steel delivery manifold, fitted with single check valve and outlet connections for pressure sensors and pressure tank.
- Unit base and support for control panel in galvanised steel.
- Check valve installed on delivery side of pump.
- Ball 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

1P-HMV3 Technical Data

Type	P2		Amps	Q (m³/h - l/min)									
				0	0.6	1.2	1.8	2.4	3.6	4.8			
1-			1-	0	10	20	30	40	60	80			
				H (m)									
	(HP)	(kW)	1x230V 50 Hz										
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			

Dimensions

Model	Dimensions (mm)								DNA	DNM
	A	AI	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	15.6
				0	60	80	120	160	200	220	240	260
	(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	17.0	9.0
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	21.6	24.0
				0	100	120	160	200	240	280	320	360	400
	(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	24.6	17.8
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	39.4	29.4
1P-HMV18-9-E318	10	7.5	8	108.5	106.9	107.0	105.3	101.7	96.8	88.6	75.9	62.6	47.8

Commercial Plumbing & Fire Supplies

Site Address

6A Kelly Court,
Springvale, VIC 3171

Postal Address

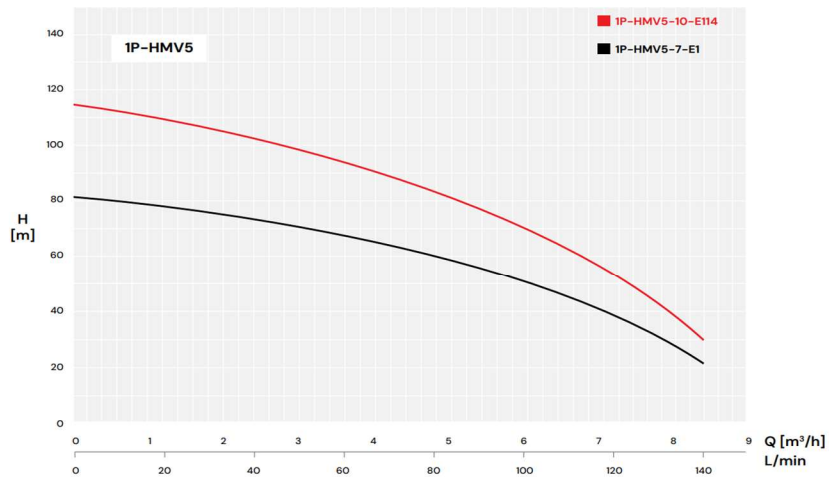
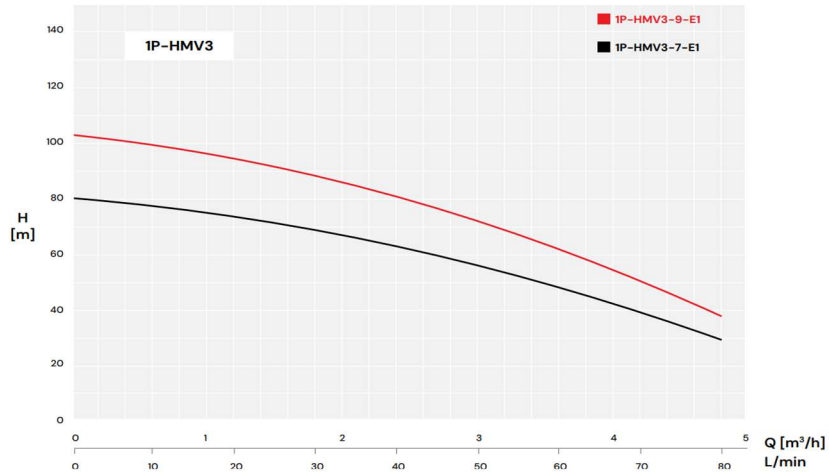
6A Kelly Court,
Springvale, VIC 3171

Contact Details

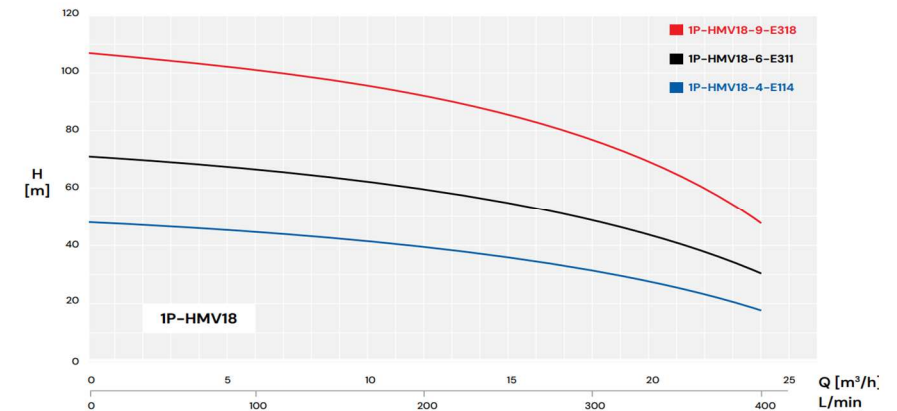
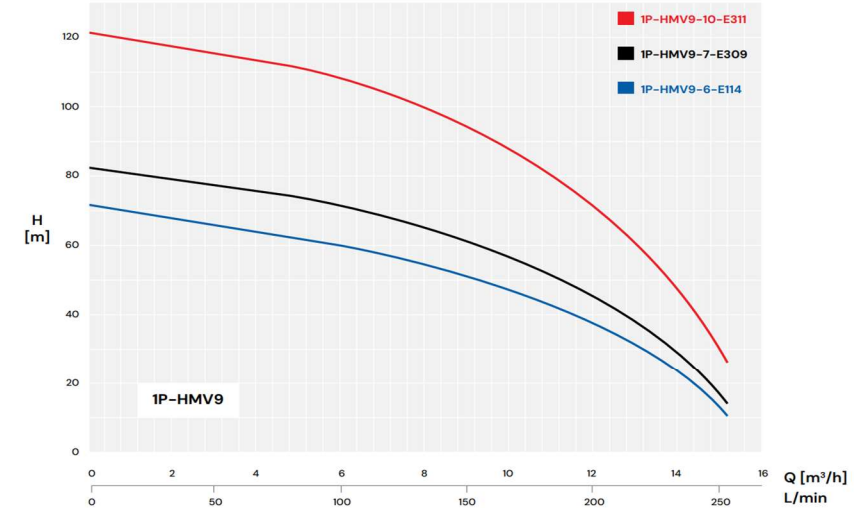
P: 03 9791 7500
E: sale@cpfs.net.au



Performance



Performance



Commercial Plumbing & Fire Supplies

Site Address

6A Kelly Court,
Springvale, VIC 3171

Postal Address

6A Kelly Court,
Springvale, VIC 3171

Contact Details

P: 03 9791 7500
E: sale@cpfs.net.au

