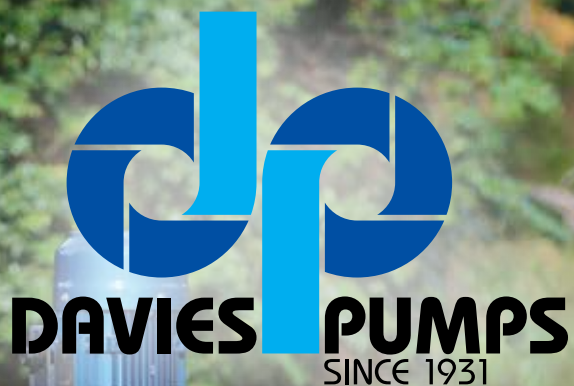




MVI SERIES STAINLESS STEEL VERTICAL MULTISTAGE PUMPS

When reliability and efficiency is not an option the MVI series vertical multistage tops the list - all stainless steel wet end components, Silicon Carbide cartridge seals and Tungsten carbide shaft bearings ensure you have a pump that can be relied on.

Features:

- 304 Stainless steel impellers and Diffusers
- Long Life silicon carbide cartridge seal
- EPDM outer casing O Rings
- DIN flange connections
- B14 or B5 IEC motor flange connection



MVI SERIES

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Applications and details

Typical Applications:

- Water supply from storage tanks
- Pressure boosting in High rise buildings
- Water treatment plants
- Steam Boiler feed
- Industrial Circulation
- Industrial washing and rinsing

Pump Type:

Vertical non self-priming multistage centrifugal pump for pumping clean, thin (viscosity no higher than of water) , non-explosive, non-flammable, free of solid particles, sand and fibers.

Motor Type:

- Totally enclosed, fan cooled standard PSC type Single phase motor or Three phase motor
- Rated speed: 2850 RPM - 50Hz
- Single phase voltage range: 220-240V
- Three phase voltage range: 220-240/380-415
- Insulation: Class F
- Protection: IP54 or IP55(depending on manufacturer)
- Single phase versions are fitted with manual reset overload
- Three phase version require user supplied overload to be fitted in the installation to protect the motor

Operation limitations:

Maximum ambient temperature: +40°C

Liquid temperature range: -15°C to + 120°C

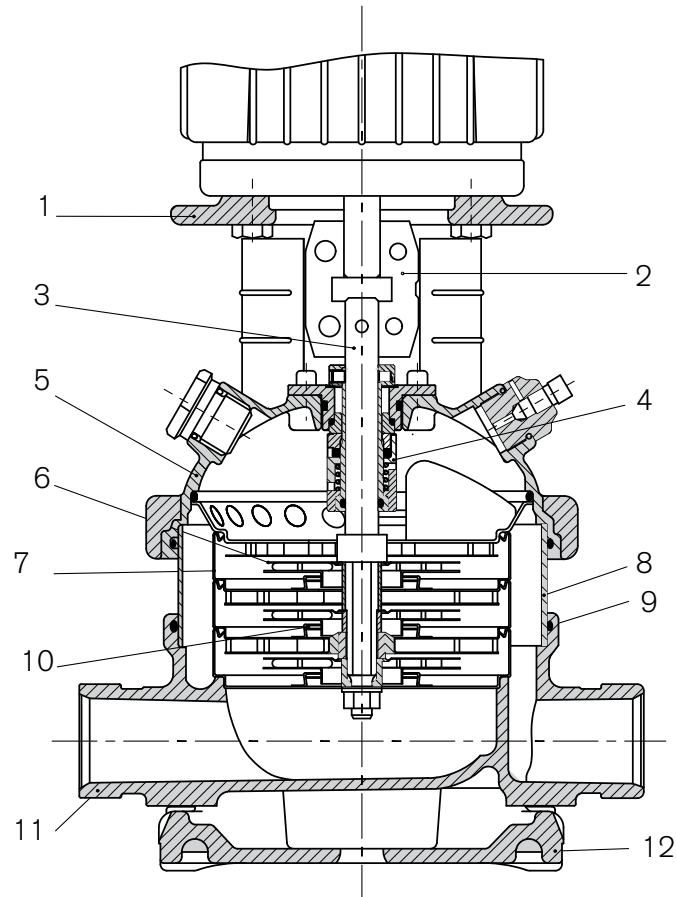
MAXIMUM OPERATING AND INLET PRESSURES		
Model	Maximum operating pressure	Maximum inlet pressure
MVI 1 series – All models	25Bar	10Bar
MVI 3 series – 11-29 stages – 36 stage	25Bar 25Bar	10Bar 15Bar
MVI 4 series – All models	25Bar	10Bar
MVI 5 series – 8-15 stage – 18-29 stage	25Bar 25Bar	10Bar 15Bar
MVI 10 series – All models	16Bar	8Bar
MVI 15 series – All models	16Bar	8Bar

MVI SERIES

Performance Table

Quick Selection Performance Table																						
Model	Kw	L/M	0	16	33	50	66	83	100	116	133	150	166	200	233	266	300	333	366	400	433	
		M3/H	0	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	22	24	26	
MVI 1-15	0.75		90	84	60																	
MVI 1-19	1.1		112	108	75																	
MVI 1-23	1.1		138	129	90																	
MVI 1-30	1.5		181	172	122																	
MVI 1-36	2.2		218	210	150																	
MVI 3-11	1.1		70	67	60	50	35															
MVI 3-15	1.1		95	91	82	66	45															
MVI 3-19	1.5		122	119	108	90	62															
MVI 3-25	2.2		162	157	145	120	83															
MVI 3-29	2.2		190	182	165	132	95															
MVI 3-36	3.0		238	228	209	175	122															
MVI 4-06	1.1		60		55	51	45	42	35	28												
MVI 4-08	1.5		80		74	68	63	56	48	38												
MVI 4-10	2.2		100		93	87	80	74	63	50												
MVI 4-12	2.2		120		110	103	95	86	74	60												
MVI 4-16	3.0		161		148	140	129	115	100	80												
MVI 5-8	1.1		51			47	44	38	34	28	22											
MVI 5-10	1.5		65			60	55	51	45	40	32											
MVI 5-12	2.2		80			75	70	64	56	50	40											
MVI 5-15	2.2		98			93	86	79	70	62	50											
MVI 5-18	3.0		120			112	106	98	88	75	63											
MVI 5-22	4.0		148			139	130	120	110	95	78											
MVI 5-29	4.0		195			185	175	162	148	128	105											
MVI 10-6	2.2		59					58	57	56	53	50	45	36								
MVI 10-8	3.0		80					78	77	75	72	68	62	50								
MVI 10-12	4.0		120					120	118	114	109	102	95	76								
MVI 10-16	5.5		161					160	156	151	145	138	128	105								
MVI 15-4	4.0		53									52	50	48	46	44	40	36	32			
MVI 15-6	5.5		82									78	77	75	72	67	62	56	50			
MVI 15-9	7.5		122									118	117	114	108	102	95	85	75			
MVI 15-12	11.0		166									160	158	153	147	139	128	116	104			

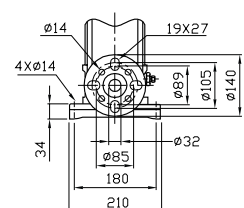
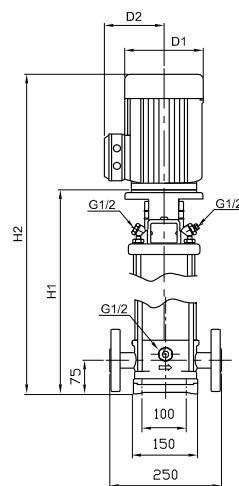
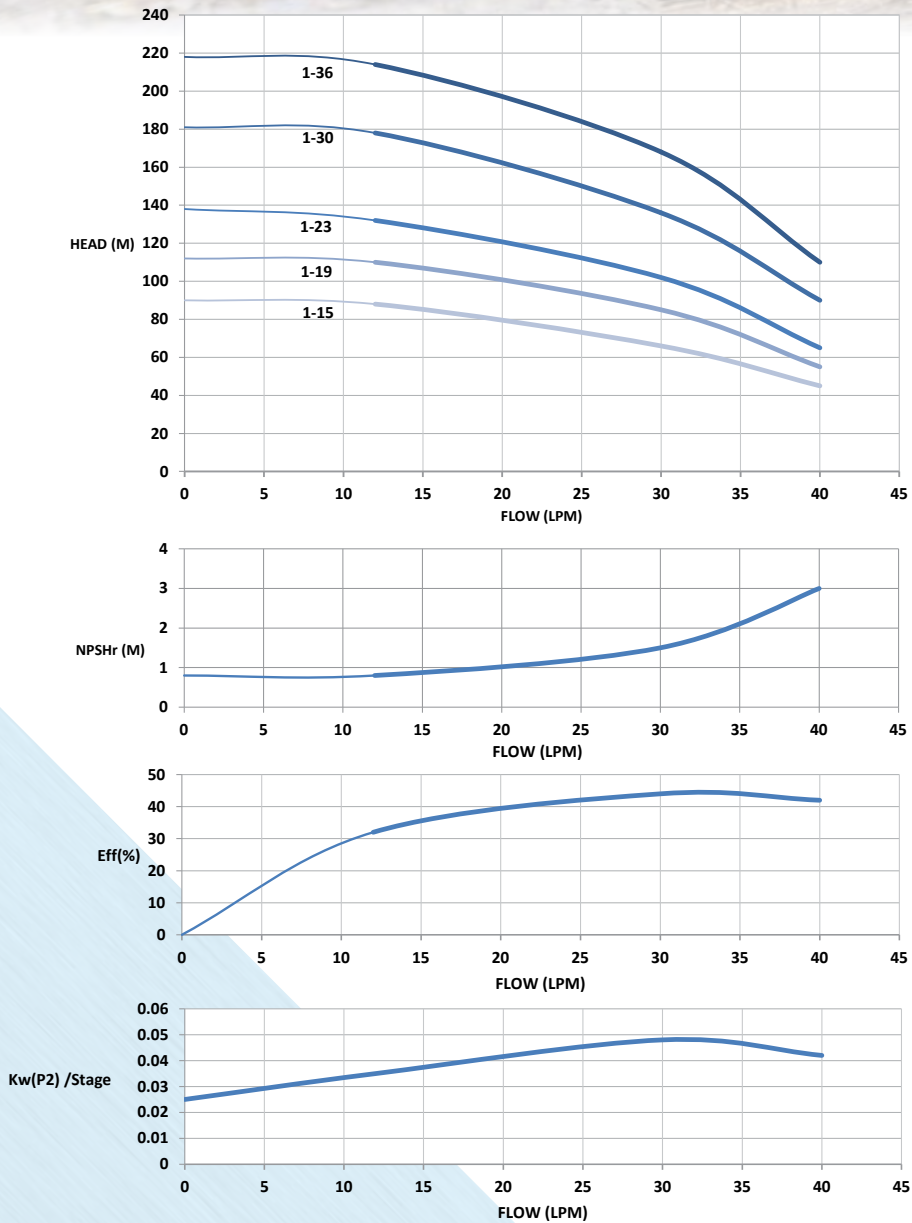
Construction details



Item No.	Item	Material
1	Pump Head Bracket	Cast Iron
2	Motor to Pump coupling	Alloy Fe-Cu-C
3	Pump Shaft	AISI 304 Stainless steel
4	Mechanical seal	SQQE -Cartridge type, Silicon carbide, EPDM
5	Pump Head cover	AISI 304 Stainless steel
6	Impeller	AISI 304 Stainless steel
7	Chamber	AISI 304 Stainless steel
8	Outer pump casing	AISI 304 Stainless steel
9	O Ring	EPDM
10	Neck Ring	PTFE
11	Suction/Delivery housing	AISI 304 Stainless steel
12	Base Plate	Cast Iron

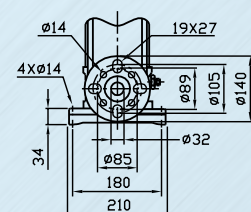
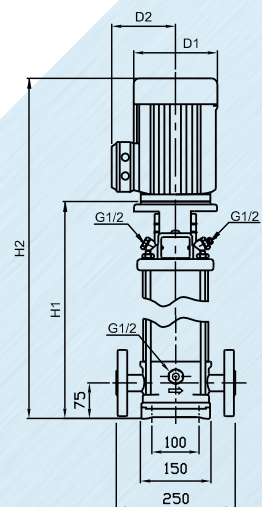
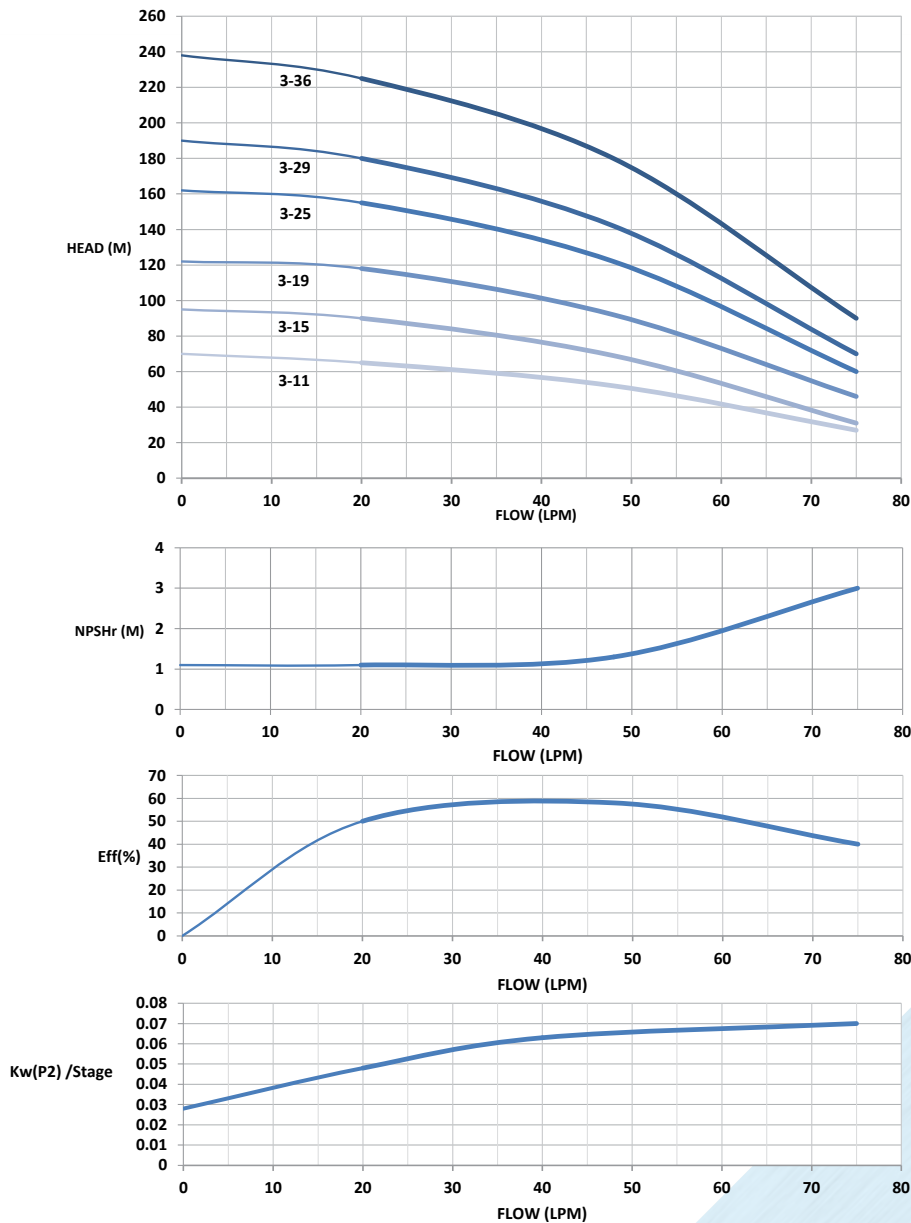
MVI SERIES

MVI 1 Performance & Dimensions



Dimensions and Weights (3 Phase Units)						
Pump Type	Motor P2 (kW)	Dimension mm				Net Weight
		H1	H2	D1	D2	
MVI 1-15	0.75	504	764	160	155	28.0
MVI 1-19	1.1	576	836	160	155	32.0
MVI 1-23	1.1	648	908	160	155	34.0
MVI 1-30	1.5	790	1095	175	165	42.9
MVI 1-36	2.2	898	1233	175	165	47.2

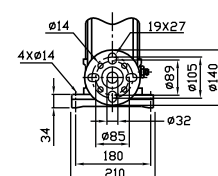
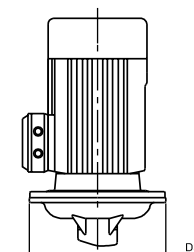
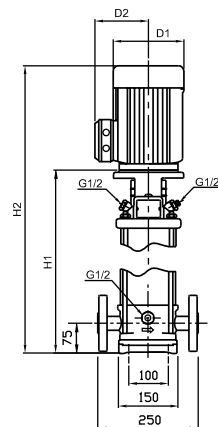
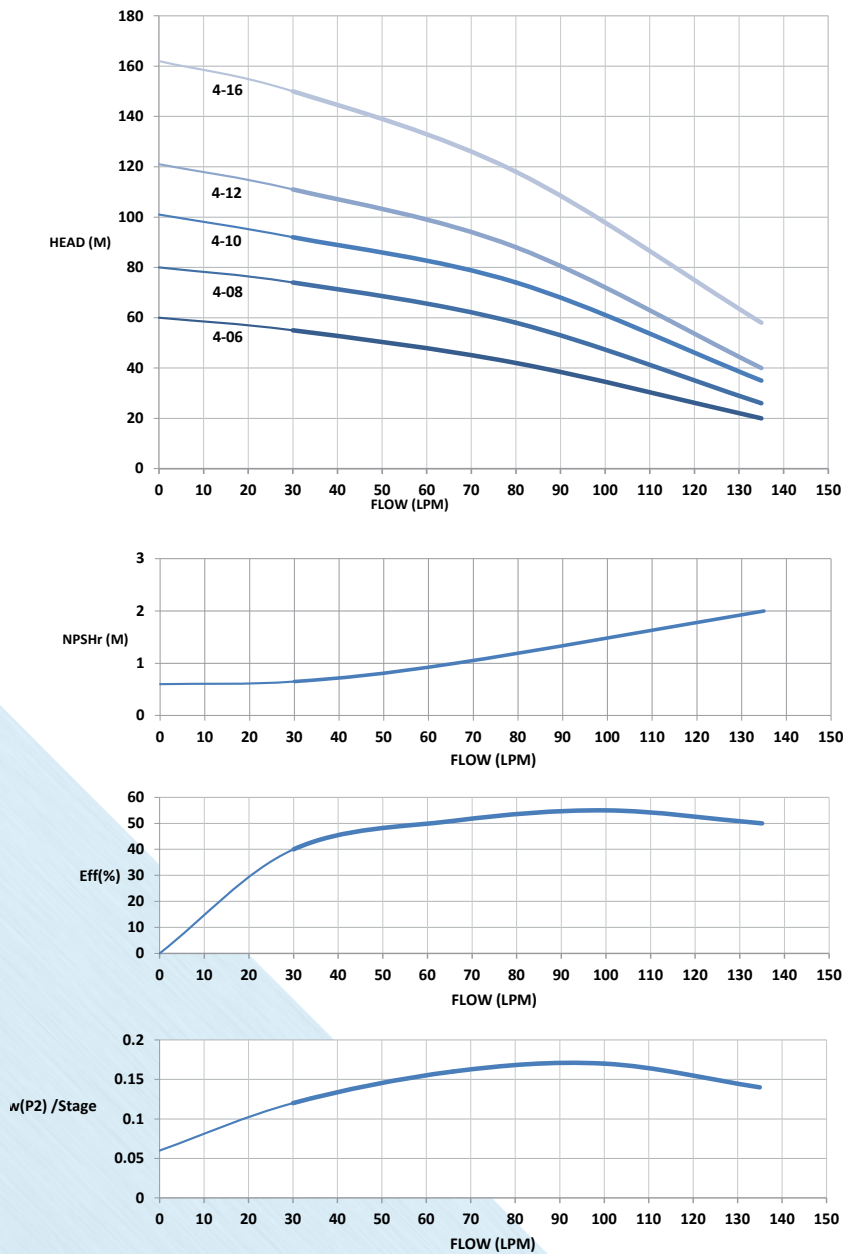
MVI 3 Performance & Dimensions



Dimensions and Weights (3 Phase Units)						
Pump Type	Motor P2 (kW)	Dimension mm				Net Weight
		H1	H2	D1	D2	
MVI 3-11	1.1	432	692	160	155	27.0
MVI 3-15	1.1	504	764	160	155	29.0
MVI 3-19	1.5	592	697	175	165	38.8
MVI 3-25	2.2	700	1035	175	165	43.1
MVI 3-29	2.2	772	1107	175	165	44.6
MVI 3-36	3.0	902	1242	200	170	54.7

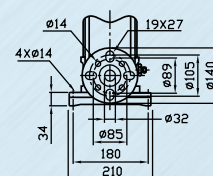
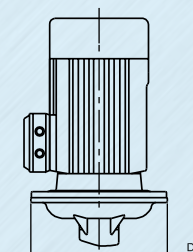
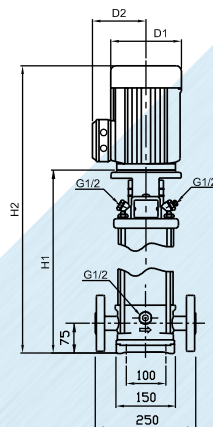
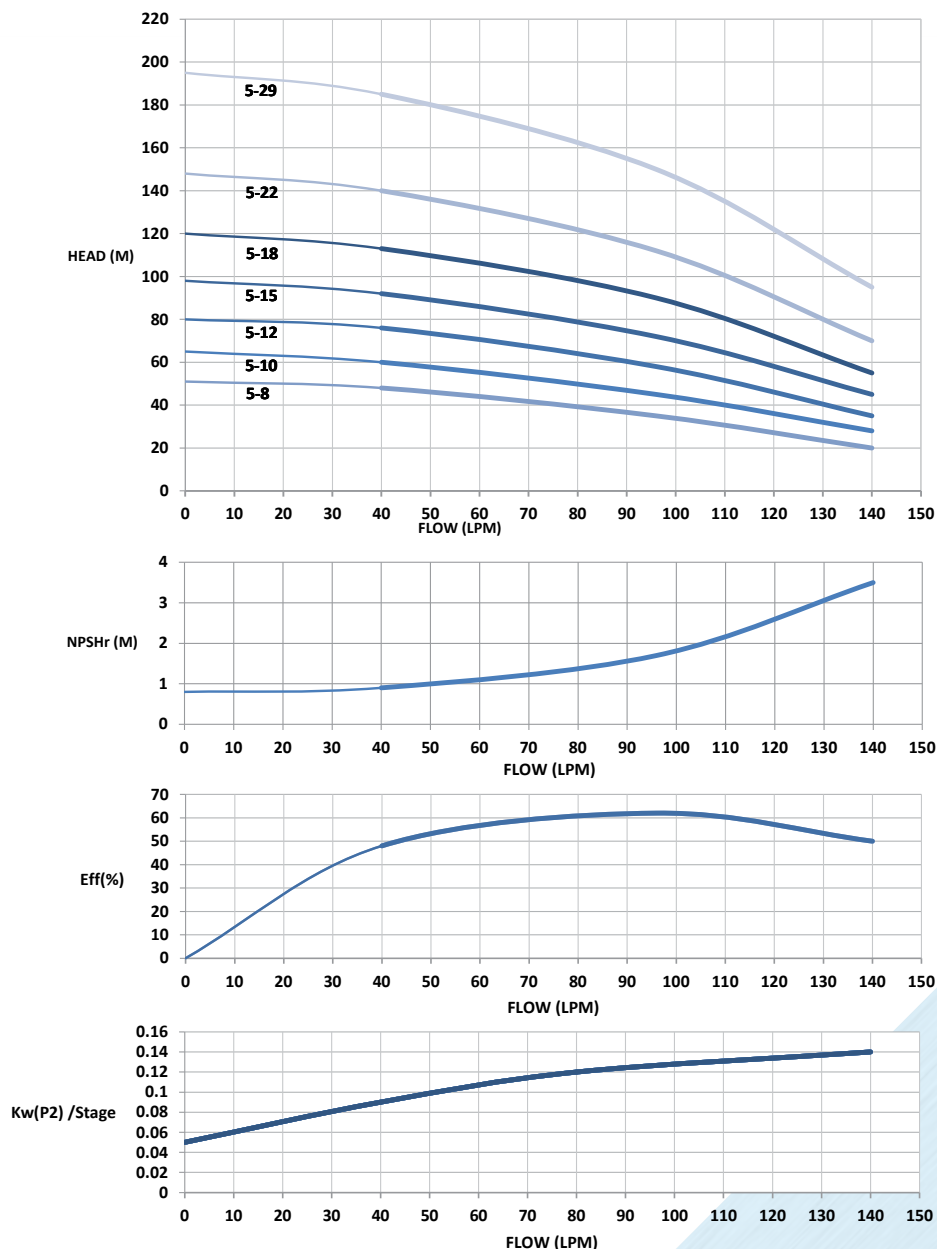
MVI SERIES

MVI 4 Performance & Dimensions



Dimensions and Weights (3 Phase Units)						
Pump Type	Motor P2 (kW)	Dimension mm				Net Weight
		H1	H2	D1	D2	
MVI 4-08	1.5	441	732	177	141	27.0
MVI 4-10	2.2	495	786	177	141	29.0
MVI 4-12	2.2	549	840	177	141	38.8
MVI 4-16	3.0	662	978	197	147	43.1

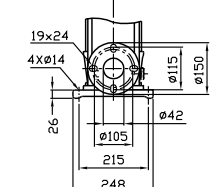
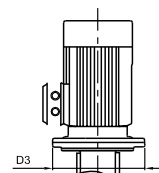
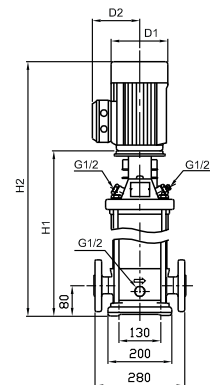
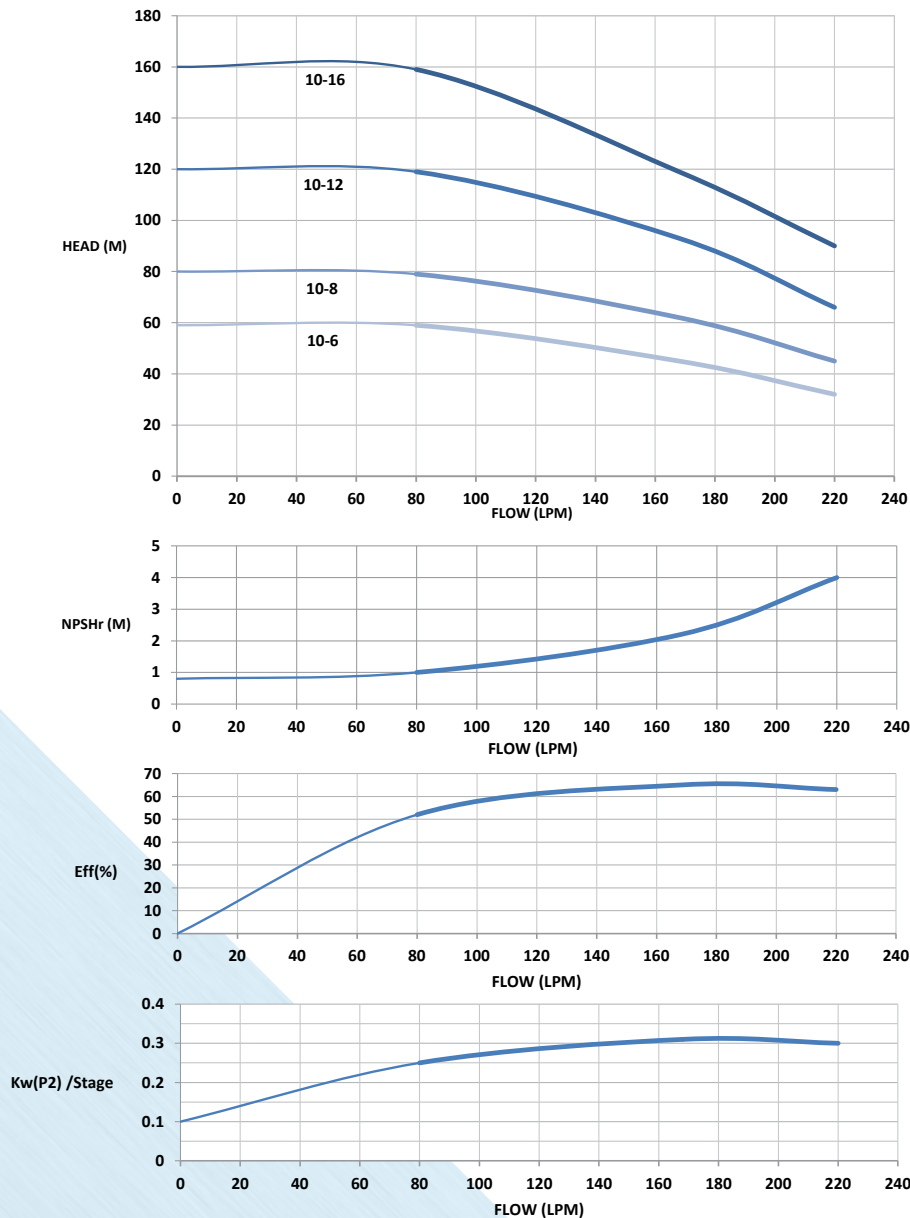
MVI 5 Performance & Dimensions



Dimensions and Weights (3 Phase Units)						
Pump Type	Motor P2 (kW)	Dimension mm				Net Weight
		H1	H2	D1	D2	
MVI 5-8	1.1	450	710	160	155	29.0
MVI 5-10	1.5	520	825	175	155	37.1
MVI 5-12	2.2	574	909	175	165	40.2
MVI 5-15	2.2	655	990	175	165	41.9
MVI 5-18	3.0	740	1080	200	170	51.1
MVI 5-22	4.0	848	1253	220	188	60.4
MVI 5-29	4.0	1037	1442	220	188	64.4

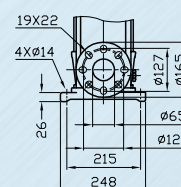
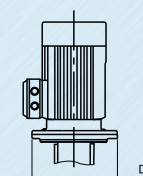
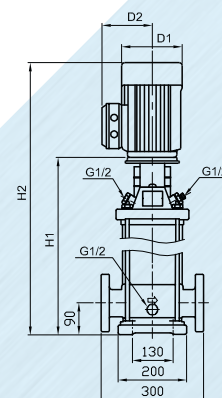
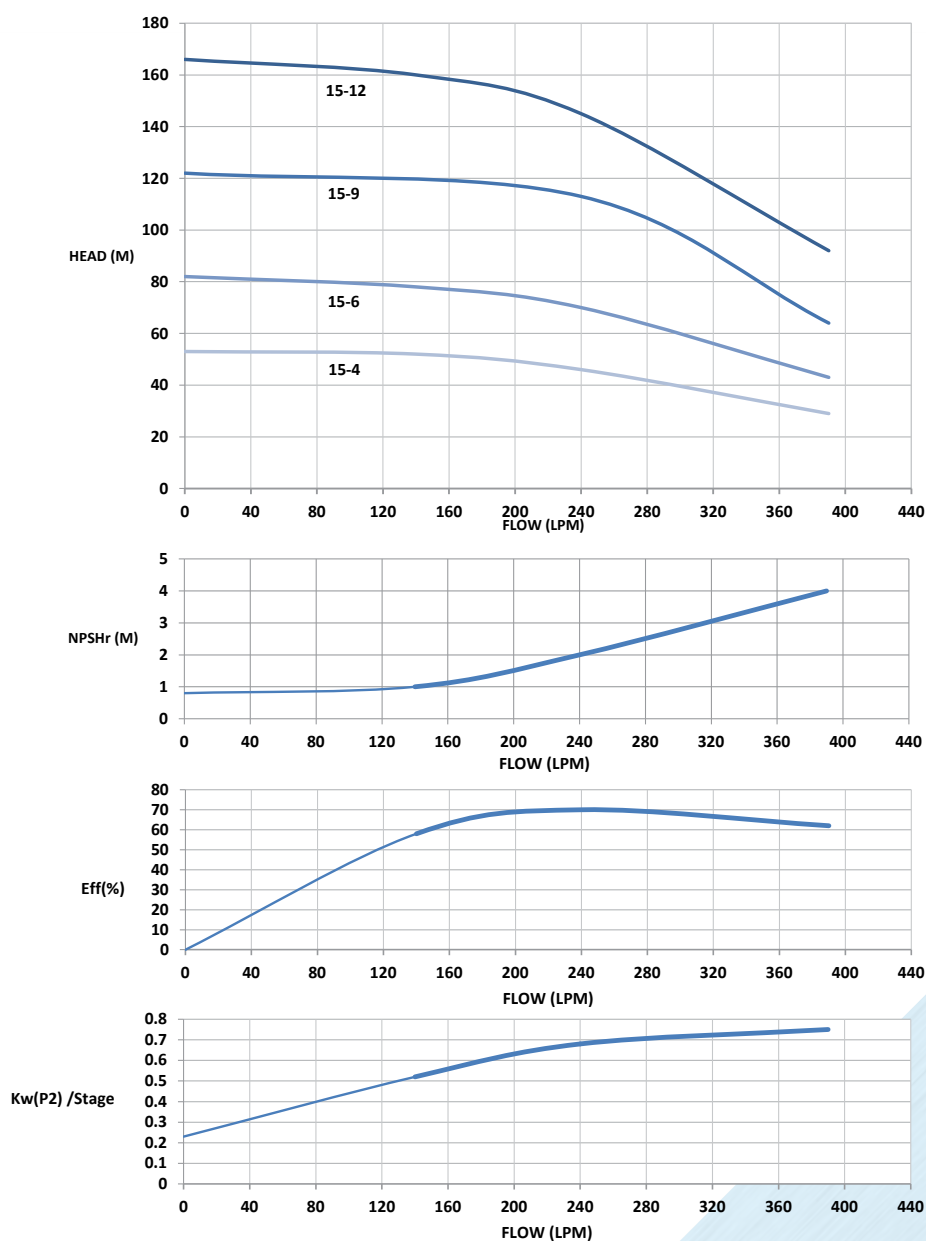
MVI SERIES

MVI 10 Performance & Dimensions



Dimensions and Weights (3 Phase Units)							
Pump Type	Motor P2 (kW)	Dimension mm					Net Weight
		H1	H2	D1	D2	D3	
MVI 10-6	2.2	493	828	175	165		51.1
MVI 10-8	3.0	558	898	200	175		60.0
MVI 10-12	4.0	678	1083	220	188		71.0
MVI 10-16	5.5	830	1260	275	213	300	41.9

MVI 15 Performance & Dimensions



Dimensions and Weights (3 Phase Units)							
Pump Type	Motor P2 (kW)	Dimension mm					Net Weight
		H1	H2	D1	D2	D#	
MVI 15-4	4.0	508	913	220	188		65.4
MVI 15-6	5.5	630	1060	275	213	300	91.6
MVI 15-12	7.5	765	1206	275	213	300	103.8
MVI 15-15	11.0	977	1482	314	260	350	183.7



For your nearest dealer please contact Argon Distributors: 0508 634 341

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