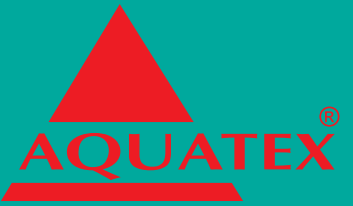


Pumps you can rely on

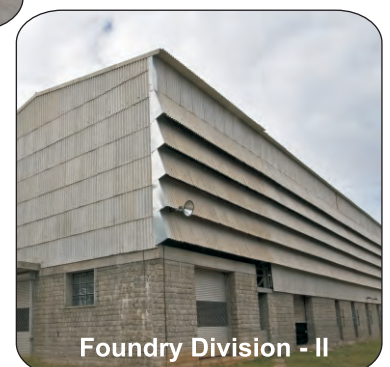
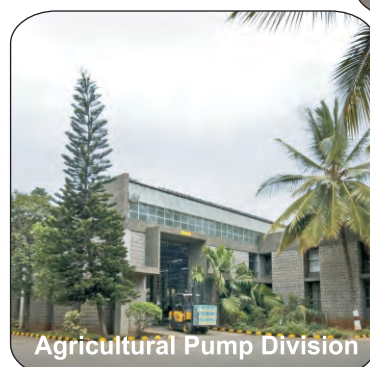
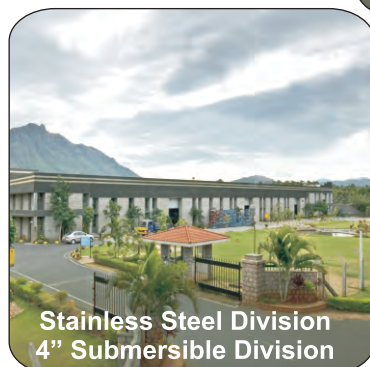
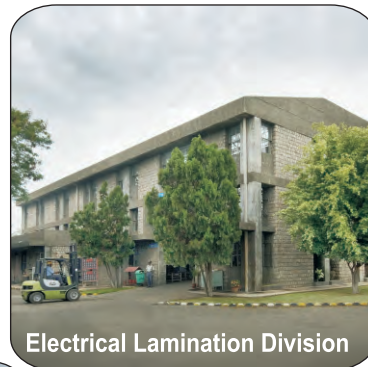
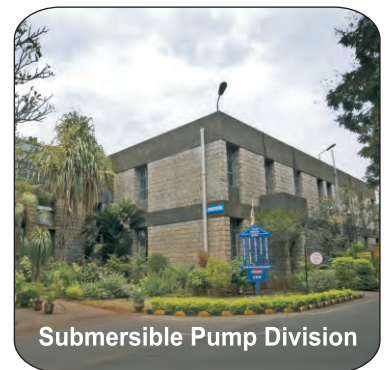
AQUA GROUP



Vertical Multistage In-line Pumps AVS, AVSI, AVSN Series



AQUASUB ENGINEERING
Coimbatore - 641 034, India





AQUASUB ENGINEERING the flagship company of **AQUAGROUP**, with more than 50 years of experience in the pump industry, has earned the unique reputation of being synonymous with **Quality** and **Reliability**. **AQUA GROUP** manufacturing an entire range of water pumps for use across diverse sectors such as Building services, Industry, Agriculture etc.

MANUFACTURING EXCELLENCE: AQUA GROUP has a manufacturing Capacity of over 3000 pumps a day with 8 manufacturing units at 3 locations in Coimbatore. This includes 2 Captive Automated Foundries for Ferrous and Non Ferrous castings, an electrical motor lamination unit with high speed, high accuracy press lines, and an enameled copper wire unit ensuring stringent quality control by manufacturing all critical input materials within the factory premises.

AQUASUB ENGINEERING is committed to sustained R & D activities with 3D CAD systems, Fluid dynamic software and 3D prototype machines for the design & development of new pumps and continuously strives to improve the performance of its existing product range.

AQUASUB ENGINEERING has **21 branches and over 1000 exclusive Dealers** across the country for sales and service of the pumps.

Applications

• WATER TREATMENT

Water softeners and de-mineralization
Reverse Osmosis systems
Distillation systems
Filtration
Ultra-filtration systems

• WATER SUPPLY AND PRESSURE BOOSTING

Pressure boosting in buildings, hotels, residential complexes
Pressure booster stations, supply of water networks
Pressure boosting for industrial water supply

• LIGHT INDUSTRY

Washing and cleaning systems
Car Washing facilities
Fire fighting systems
Process water systems
Machine tools (cooling lubricants)

• HEATING, VENTILATION AND AIR-CONDITIONING

Boilers
Induction heating
Heat exchangers
Cooling towers and systems
Temperature control systems

• IRRIGATION AND AGRICULTURE

Greenhouses
Sprinkler irrigations
Field irrigation (flooding)

Identification Code

AVS 2 / 15

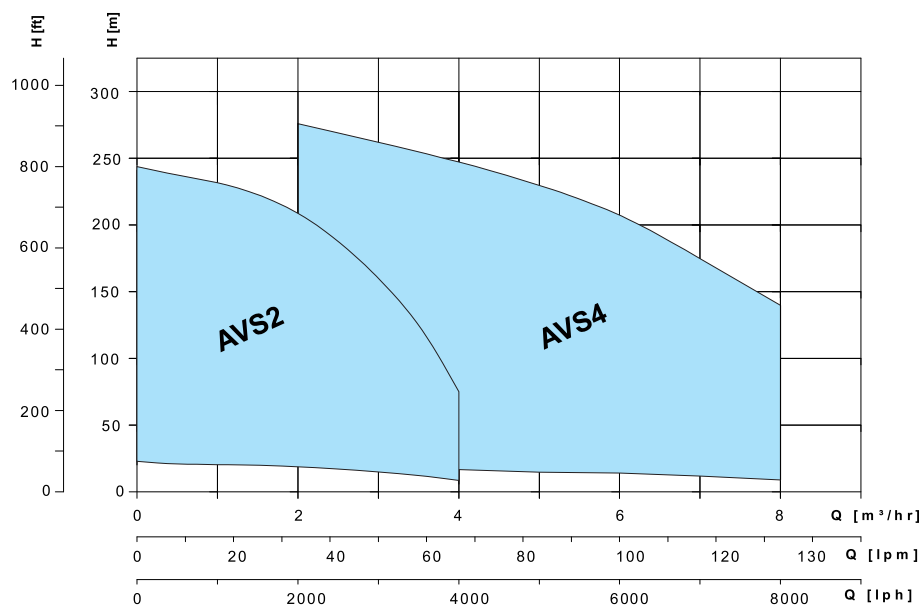
Number of stages
Flow rate in m³/hr
Type Range

AVS (CI Inline Casing + SS304 Hydraulics)

AVSI (SS 304 Inline Casing + SS 304 Hydraulics)

AVSN (SS 316 Inline Casing + SS 316L Hydraulics)

Performance range



Easy Motor Assembly

Split Coupling provided with the pump. This eliminates the risk of damage caused by shifting of the pump shaft during transportation. The motor is simply inserted in the split coupling and fastened to the flange without the necessity for adapting the axial position of the pump shaft.

Easy Installation with system

In-line connections to simplify the piping layout with the possibility of inserting the pump in straight pipe-lines. Disassembly, inspection or cleaning of internal parts without removal of piping.

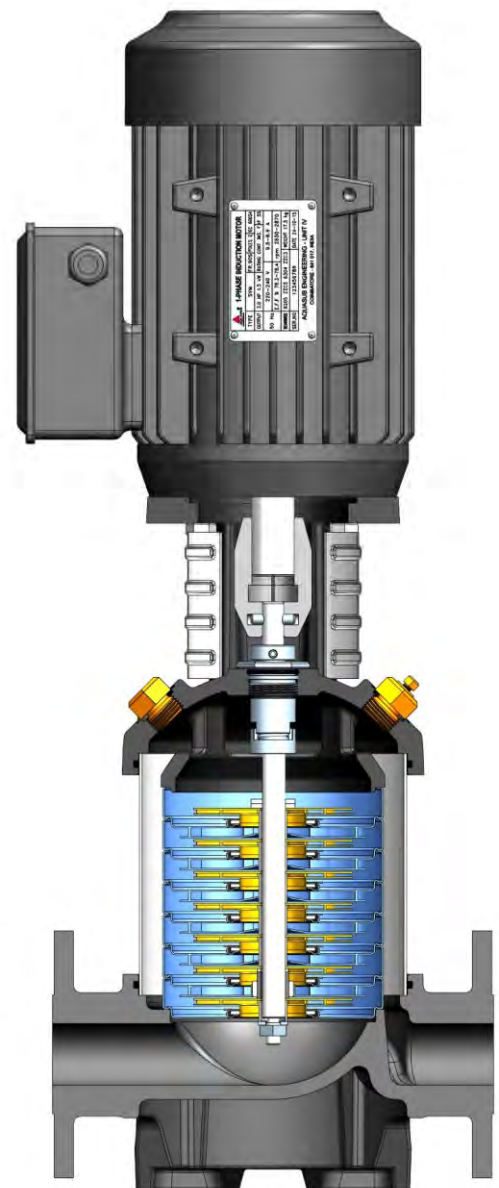
Robust and Reliable Construction

Single PN 25 construction for all pump sizes. The suction and discharge ports arranged in-line absorb the forces of the piping on the pump without the creation of distorting loads causing local friction and early wears.

The upper cover design prevents entrapment of air around the mechanical seal (Cartridge Seal).

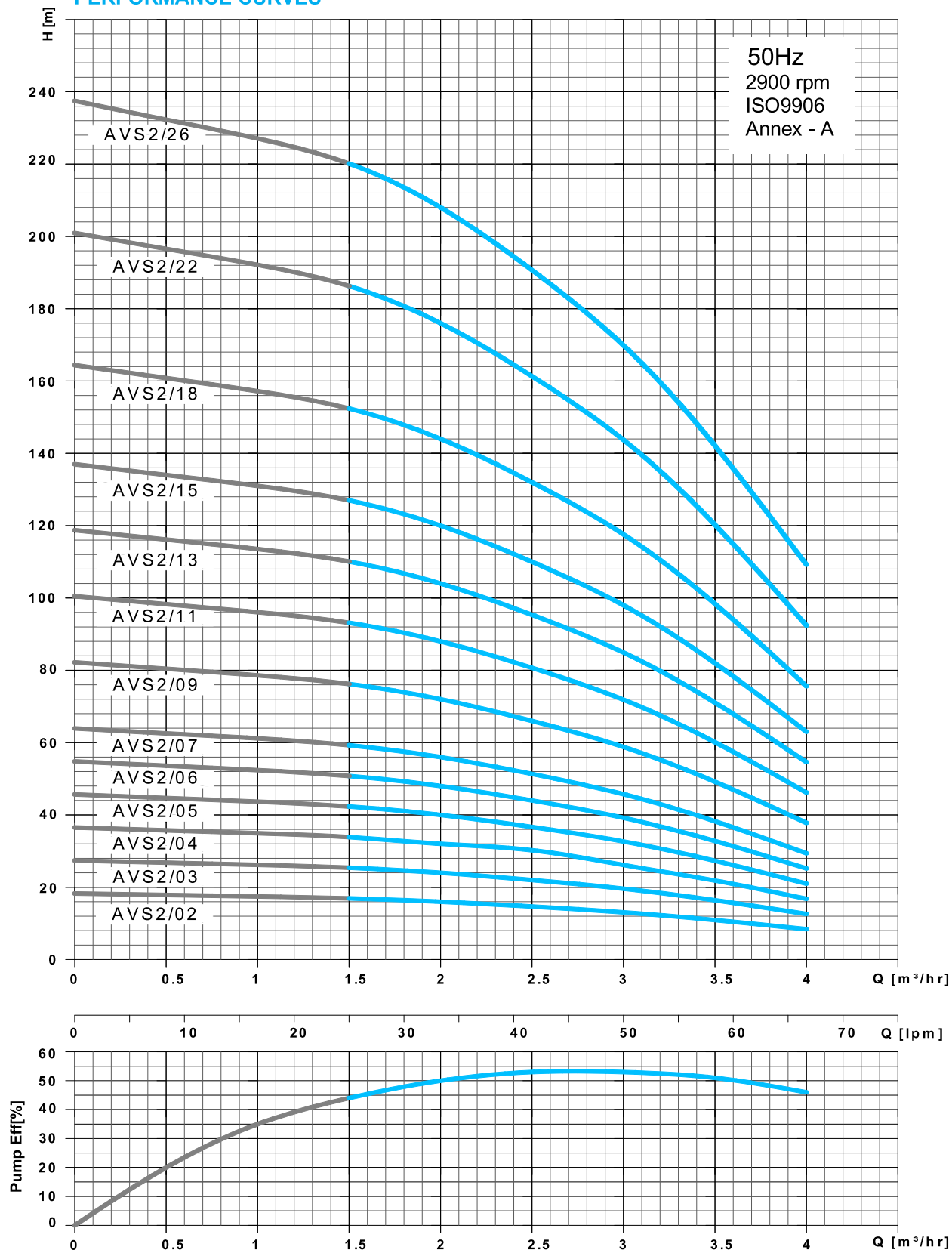
The water filled shroud around the stages and thick external walls, work together for low-noise operation.

All parts that come into contact with the liquid, including wet end covers, are in chrome-nickel stainless steel AISI304.



P.No	Component	Material
56	Top casing	Cast iron / CF8
57	Mechanical seal	SiC+SiC
12	Diffuser Assembly	SS AISI 304
37	Shaft	
18	Impeller	
82	O-ring for Outer Tube	Viton \ NBR
59	Inline casing	Cast Iron / CF8
48	Outer Tube	SS AISI 304
24	Neck Ring	PTFE
44	Coupling	SS AISI 304

PERFORMANCE CURVES

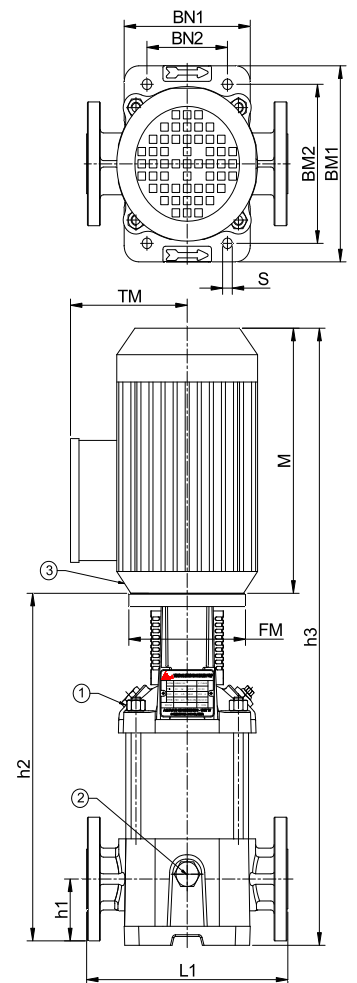


PERFORMANCE CHART

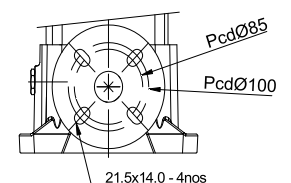
Pump type	Motor Power		Q	m ³ / h	0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
				l / min	0	8	17	25	33	42	50	58	67
	kW	HP		LPH	0	500	1000	1500	2000	2500	3000	3500	4000
AVS2 / 02	0.37	0.5	HEAD (m)	18.5	18	17.5	17	16	15	13	11	8	
AVS2 / 03	0.37	0.5		27.5	27	26	25	24	22	20	16	13	
AVS2 / 04	0.55	0.75		36.5	36	35	34	32	29	26	22	17	
AVS2 / 05	0.55	0.75		46	45	44	42	40	37	33	27	21	
AVS2 / 06	0.75	1.0		55	54	52	51	48	44	39	33	25	
AVS2 / 07	0.75	1.0		64	63	61	59	56	51	46	38	29	
AVS2 / 09	1.1	1.5		82	80	79	76	72	66	59	49	38	
AVS2 / 11	1.1	1.5		100	98	96	93	88	81	72	60	46	
AVS2 / 13	1.5	2.0		119	116	114	110	104	95	85	71	55	
AVS2 / 15	1.5	2.0		137	134	131	127	120	110	98	82	63	
AVS2 / 18	2.2	3.0		164	161	157	152	144	132	118	98	76	
AVS2 / 22	2.2	3.0		201	197	192	186	176	161	144	120	92	
AVS2 / 26	3.0	4.0		237	232	227	220	208	191	170	142	109	

DIMENSION AND WEIGHT DETAILS

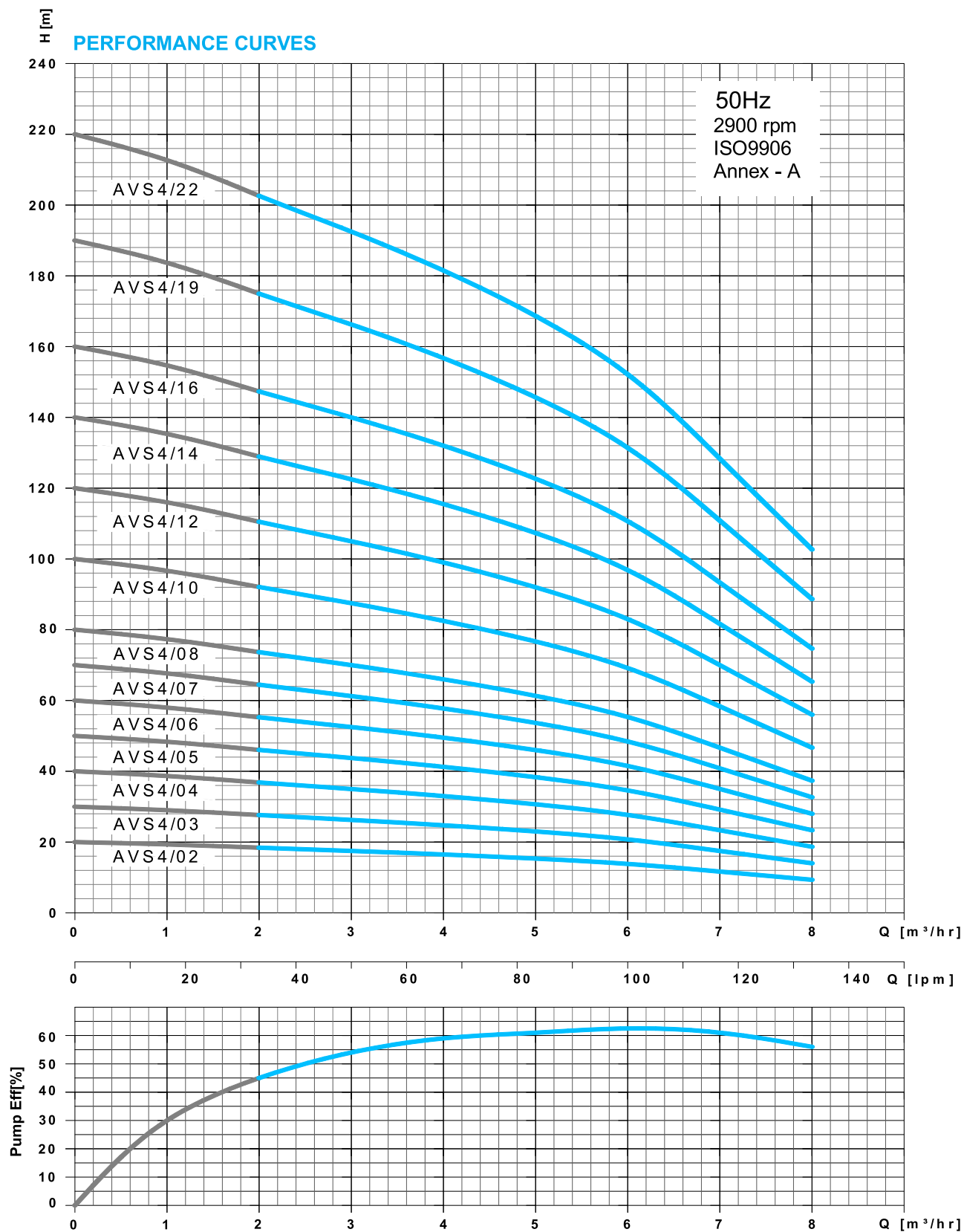
Pump type	Motor			All Dimensions are in mm											
	kW	HP	Frame	L1	h1	h2	M	h3	FM	TM	BM1	BM2	BN1	BN2	S
AVS2 / 02	0.37	0.5	71	215	75	283.5	195	478.5	ø120	115	221	180	156	100	12.5
AVS2 / 03	0.37	0.5	71	215	75	301.5	195	496.5	ø120	115	221	180	156	100	12.5
AVS2 / 04	0.55	0.75	71	215	75	319.5	195	514.5	ø120	115	221	180	156	100	12.5
AVS2 / 05	0.55	0.75	71	215	75	337.5	195	532.5	ø120	115	221	180	156	100	12.5
AVS2 / 06	0.75	1.0	80	215	75	355.5	235	590.5	ø120	115	221	180	156	100	12.5
AVS2 / 07	0.75	1.0	80	215	75	373.5	235	608.5	ø120	115	221	180	156	100	12.5
AVS2 / 09	1.1	1.5	80	215	75	409.5	235	644.5	ø120	115	221	180	156	100	12.5
AVS2 / 11	1.1	1.5	80	215	75	445.5	235	680.5	ø120	115	221	180	156	100	12.5
AVS2 / 13	1.5	2.0	90L	215	75	499.5	291	790.5	ø145	141	221	180	156	100	12.5
AVS2 / 15	1.5	2.0	90L	215	75	535.5	291	826.5	ø145	141	221	180	156	100	12.5
AVS2 / 18	2.2	3.0	90L	215	75	589.5	291	889.5	ø145	141	221	180	156	100	12.5
AVS2 / 22	2.2	3.0	90L	215	75	661.5	291	952.5	ø145	141	221	180	156	100	12.5
AVS2 / 26	3.0	4.0	100L	215	75	733.5	316	1049.5	ø160	147	221	180	156	100	12.5



DIN
PN25 / DN25&32



(1) Filling (2) Draining (3) Motor

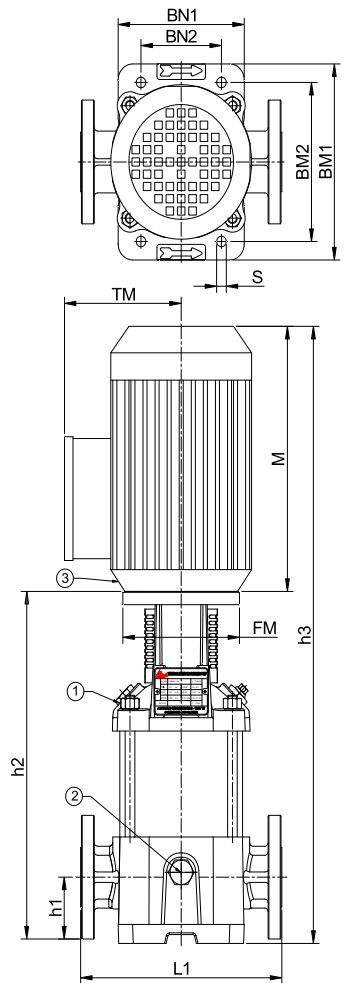


PERFORMANCE CHART

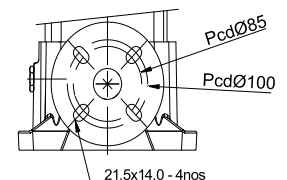
Pump type	Motor Power		Q	m ³ / h	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
				l / min	0	17	33	50	67	83	100	117	133
	kW	HP		LPH	0	1000	2000	3000	4000	5000	6000	7000	8000
AVS 4/02	0.37	0.5	HEAD (m)	20	19.5	18.5	17.5	16.5	15	14	12	9	
AVS 4/03	0.55	0.75		30	29	28	26	25	23	21	18	14	
AVS 4/04	0.75	1.0		40	39	37	35	33	31	28	23	19	
AVS 4/05	1.1	1.5		50	48	46	43	41	38	35	29	23	
AVS 4/06	1.1	1.5		60	58	55	52	50	46	42	35	28	
AVS 4/07	1.5	2.0		70	68	64	61	58	54	48	41	33	
AVS 4/08	1.5	2.0		80	77	74	69	66	61	55	47	37	
AVS 4/10	2.2	3.0		100	97	92	87	83	77	69	58	47	
AVS 4/12	2.2	3.0		120	116	111	104	99	92	83	70	56	
AVS 4/14	3.0	4.0		140	135	129	121	116	107	97	82	65	
AVS 4/16	3.0	4.0		160	155	147	139	132	123	111	93	75	
AVS 4/19	4.0	5.5		190	184	175	165	157	146	131	111	89	
AVS 4/22	4.0	5.5		220	213	203	191	182	169	152	128	103	

DIMENSION AND WEIGHT DETAILS

Pump type	Motor			All Dimensions are in mm											
	kW	HP	Frame	L1	h1	h2	M	h3	FM	TM	BM1	BM2	BN1	BN2	S
AVS4 / 02	0.37	0.5	71	215	75	289.5	195	484.5	ø120	115	221	180	156	100	12.5
AVS4 / 03	0.55	0.75	71	215	75	310.5	195	505.5	ø120	115	221	180	156	100	12.5
AVS4 / 04	0.75	1.0	80	215	75	331.5	235	566.5	ø120	115	221	180	156	100	12.5
AVS4 / 05	1.1	1.5	80	215	75	352.5	235	587.5	ø120	115	221	180	156	100	12.5
AVS4 / 06	1.1	1.5	80	215	75	373.5	235	608.5	ø120	115	221	180	156	100	12.5
AVS4 / 07	1.5	2.0	90L	215	75	412.5	291	703.5	ø120	141	221	180	156	100	12.5
AVS4 / 08	1.5	2.0	90L	215	75	433.5	291	724.5	ø120	141	221	180	156	100	12.5
AVS4 / 10	2.2	3.0	90L	215	75	475.5	291	766.5	ø120	141	221	180	156	100	12.5
AVS4 / 12	2.2	3.0	90L	215	75	517.5	291	808.5	ø145	141	221	180	156	100	12.5
AVS4 / 14	3.0	4.0	100	215	75	559.5	316	875.5	ø145	147	221	180	156	100	12.5
AVS4 / 16	3.0	4.0	100	215	75	601.5	316	917.5	ø145	147	221	180	156	100	12.5
AVS4 / 19	4.0	5.5	112	215	75	664.5	326	990.5	ø145	161	221	180	156	100	12.5
AVS4 / 22	4.0	5.5	112	215	75	727.5	326	1054	ø160	161	221	180	156	100	12.5

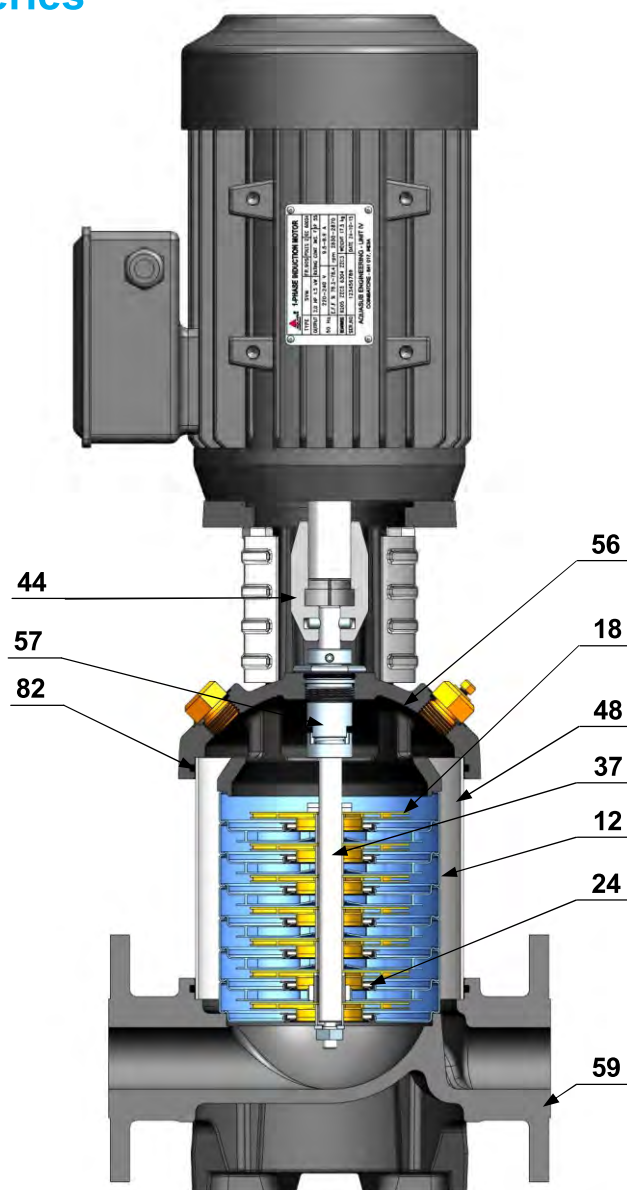


DIN
PN25 / DN25&32



(1) Filling (2) Draining (3) Motor

AVS2 & AVS4 Series



Part List:

- | | |
|----|-----------------------|
| 56 | TOP CASING |
| 57 | MECHANICAL SEAL |
| 12 | DIFFUSER ASSEMBLY |
| 37 | SHAFT |
| 18 | IMPELLER |
| 82 | O-RING FOR OUTER TUBE |
| 59 | INLINE CASING |
| 48 | OUTER TUBE |
| 44 | COUPLING |
| 24 | NECK RING |

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Chinna Chokkikulam,
MADURAI - 625 002
(0452)2530002

AQUASUB ENGINEERING

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260/1, Bye pass Road, Poonamallee,
CHENNAI - 600 056
(044)26493919

KERALA

AQUASUB ENGINEERING

KOKKENS BUILDINGS
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OLLUKARA POST
TRICHUR - 680 655
(0487) 2374004

KARNATAKA

AQUASUB ENGINEERING

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Rajaji Nagar,
BENGALURU – 560 010
(080)23381891

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Anand Ginning Factory Compound
Bankapur Chouk, P B Road,
HUBBALLI - 580 024
(0836)2355729

TELENGANA

AQUASUB ENGINEERING

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Survey No.14, Rasoolpura,
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Gandhi Nagaram,
VIJAYAWADA - 520 003
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(08572)226338

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MADHYA PRADESH

AQUASUB ENGINEERING

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Lasudia Mori, Dewas Naka
INDORE - 452 010.
(0731)4037630

CHATTISGARH

AQUASUB ENGINEERING

Varsha Complex
Near Telibandha Railway Crossing, Ravigram,
RAIPUR - 492 006
(0771)2443144

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N.H..No.8 AT&PO – ASHLALI
TA- DASKOI,
AHMEDABAD – 382 427
(02718)261179

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JAIPUR – 302 019
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KOLKATTA -700 002
(033)25463228

PUNJAB & HARIYANA

AQUASUB ENGINEERING

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PANCHKULA -134 113
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2013



2014



2015



2016

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