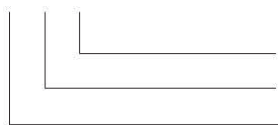


Model Instruction

AWI 2 - 4



Number of pump stages

Rated flow rate (m³/h)

New stainless steel horizontal multistage centrifugal pump

Overview Of The Product

AWI series new light stainless steel horizontal multistage centrifugal pump is a multi-purpose non-self-priming horizontal multistage centrifugal pump. This series of products has the characteristics of high efficiency, low noise and stable operation. The whole is compact, easy to install, easy to use and maintain. The overflow part is made of high-quality 304 stainless steel stamping and welding.

Application Limits

- ⊙ Thin, clean, non-combustible, and non-explosive liquid containing no solid particle or fiber
- ⊙ Applicable to deliver tap water, alkaline mineral water, softened water or mildly-corrosive medium
- ⊙ The use of a large-power motor must be considered when the density or viscosity of the medium delivered is higher than that of water.
- ⊙ Medium temperature: 0°C -68°C for normal temperature type; 0°C -120°C for hot water type
- ⊙ Ambient temperature: -15°C -+40°C ; maximum operating pressure: 1.0MPa

Applications Fields

- ⊙ Air conditioning system
- ⊙ Filling machinery
- ⊙ Environmental engineering
- ⊙ Water supply and pressurization system
- ⊙ Fertilization and metering system
- ⊙ Cooling system
- ⊙ Industrial cleaning
- ⊙ Aquaculture
- ⊙ Water treatment system application
- ⊙ Supporting use of chiller

Certificate

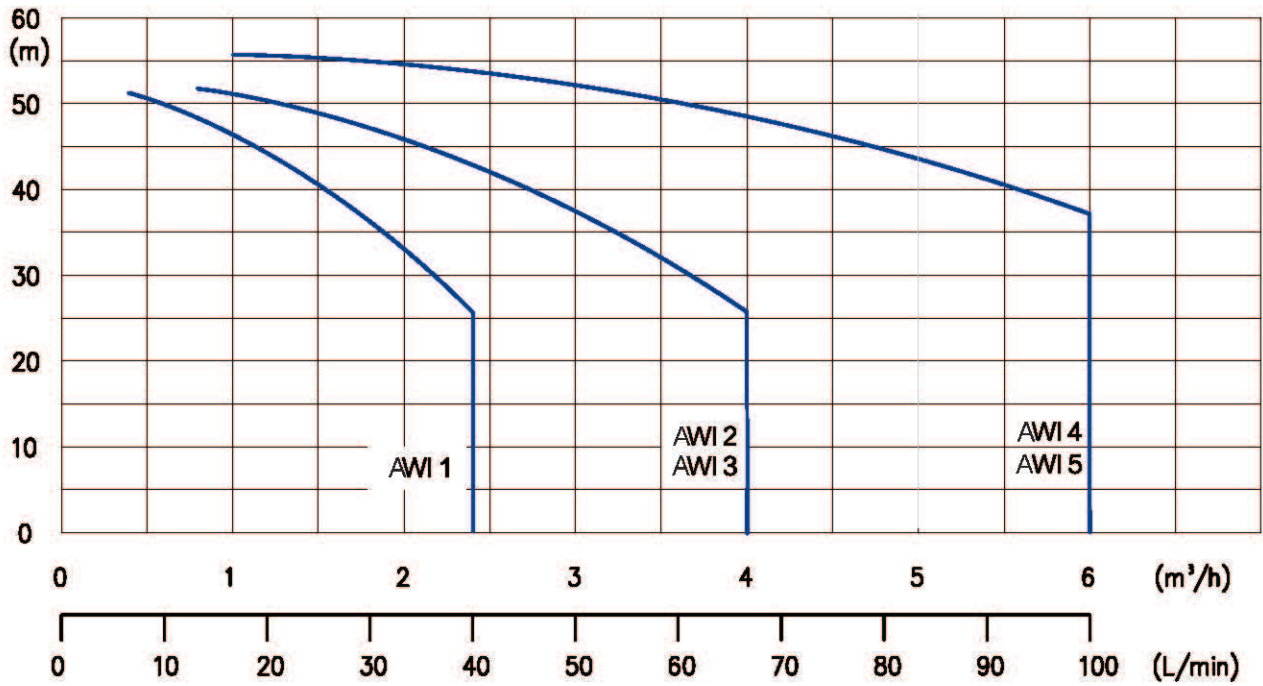


Optional Available On Request

Fully enclosed secondary air-cooled special shaft motor (extended shaft), NSK bearing/domestic brand bearing, 50W800 cold-rolled silicon steel sheet

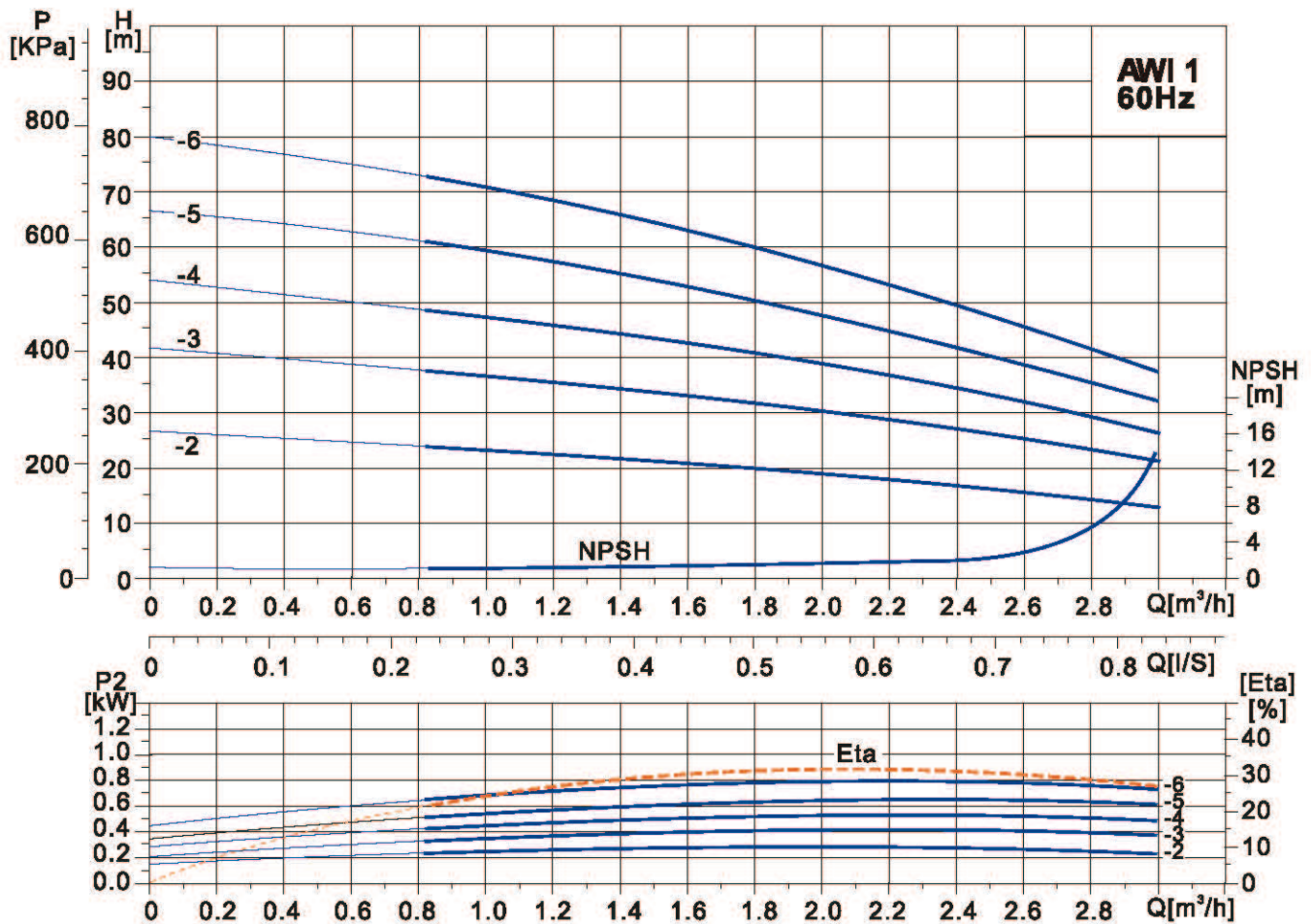
- ⊙ Protection level: IP55
- ⊙ Insulation class: Class F
- ⊙ Working method: S1
- ⊙ Voltage level: 220V/380V/60Hz

Performance Curve



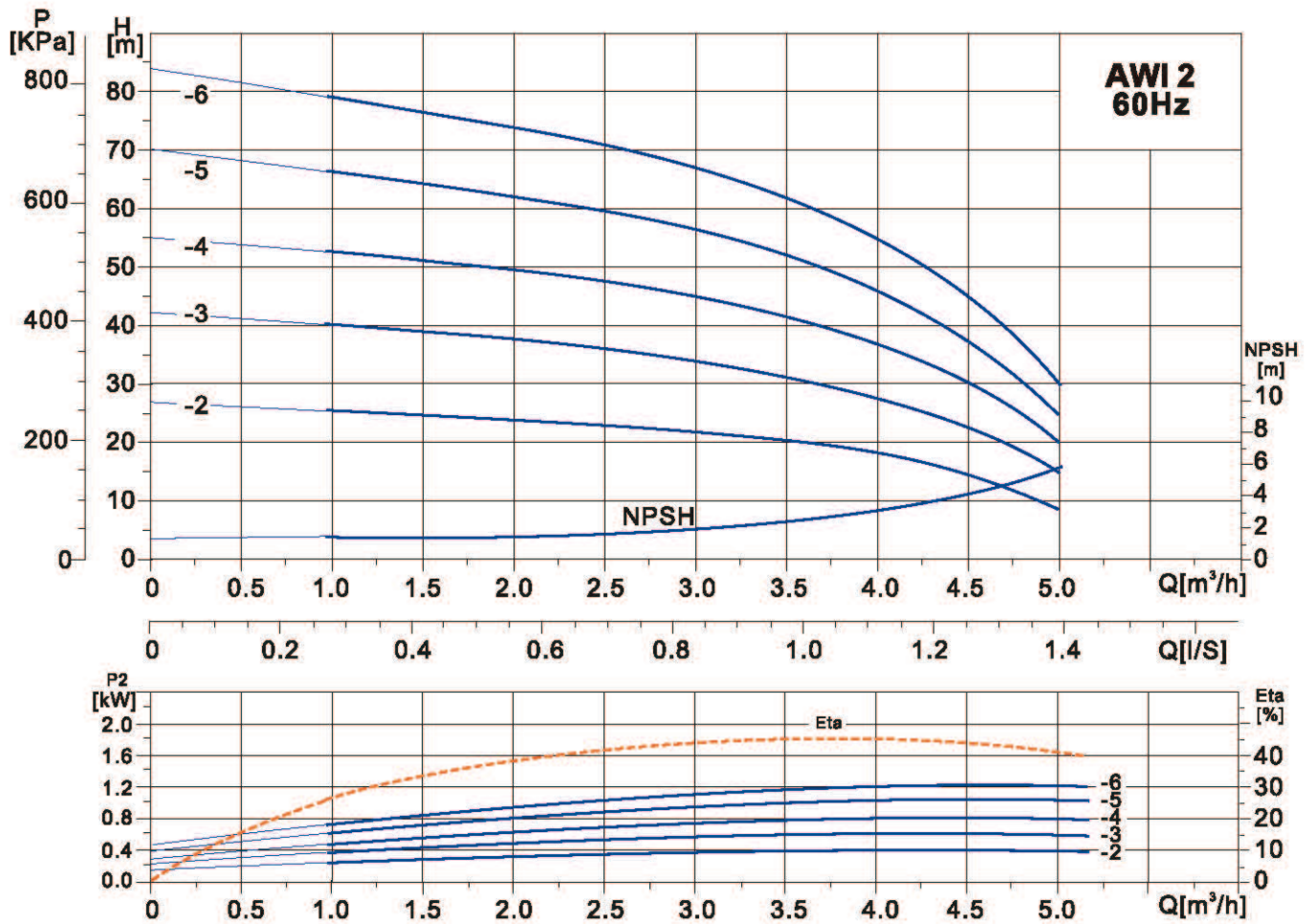
Model	Rated flow (m³/h)	Flow range (m³/h)	Maximum pressure (bar)	Motor power (kW)	Maximum efficiency (%)	Temperature range (°C)	Inlet	Outlet
AWI 1	1	0.4-2.4	5.1	0.25-0.37	28	0°C -68°C for normal temperature type; 0°C - 120°C for hot water type	G1	G1
AWI 2	2	0.8-4	5.6	0.25-0.75	39		G1	G1
AWI 3	3	0.8-4	5.6	0.25-0.75	49		G1	G1
AWI 4	4	1-6	5.6	0.37-1.3	52		G1 1/4	G1
AWI 5	5	1-6	5.6	0.37-1.3	56		G1 1/4	G1

AWI 1 Performance Curve



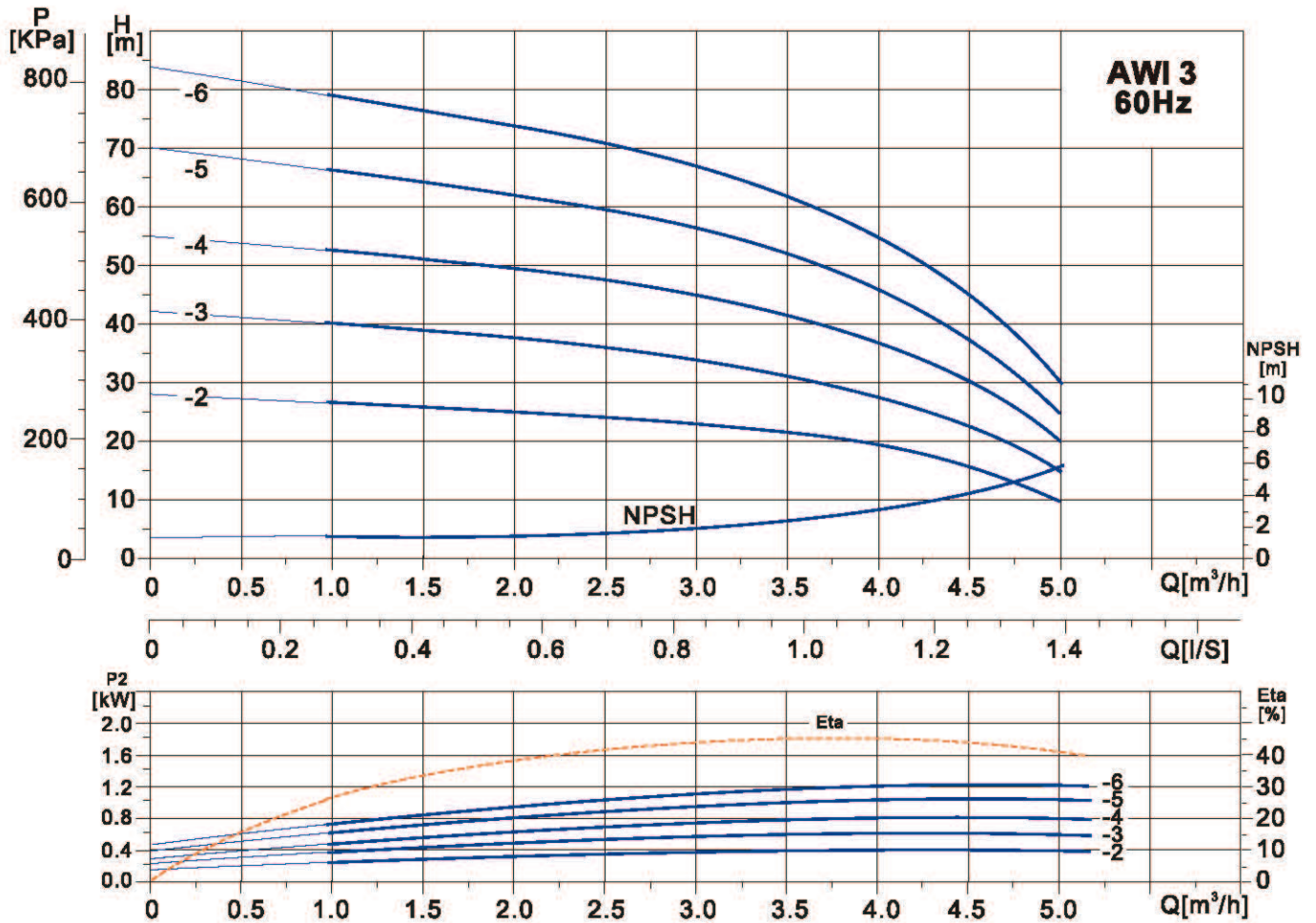
Model	Driving motor P2(kW)	Q (m³/h)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0
AWI 1-2	0.37	H(m)	24.5	24	23.5	23	23	22.5	22	21	20	19	18	17	16	15	14
AWI 1-3	0.55		38	37.5	37	36.5	36	35	34	33	32	31	30	28	27	25	23
AWI 1-4	0.55		53	51	50	49	48	46	44	43	41	38	36	34	32	29	26
AWI 1-5	0.75		65.5	64	63	62	60	57	55	53	51	47	45	43	39	37	32
AWI 1-6	0.75		79	77.5	76	74	72	69	66	64	61	57	54	51	47	44	38

AWI 2 Performance Curve



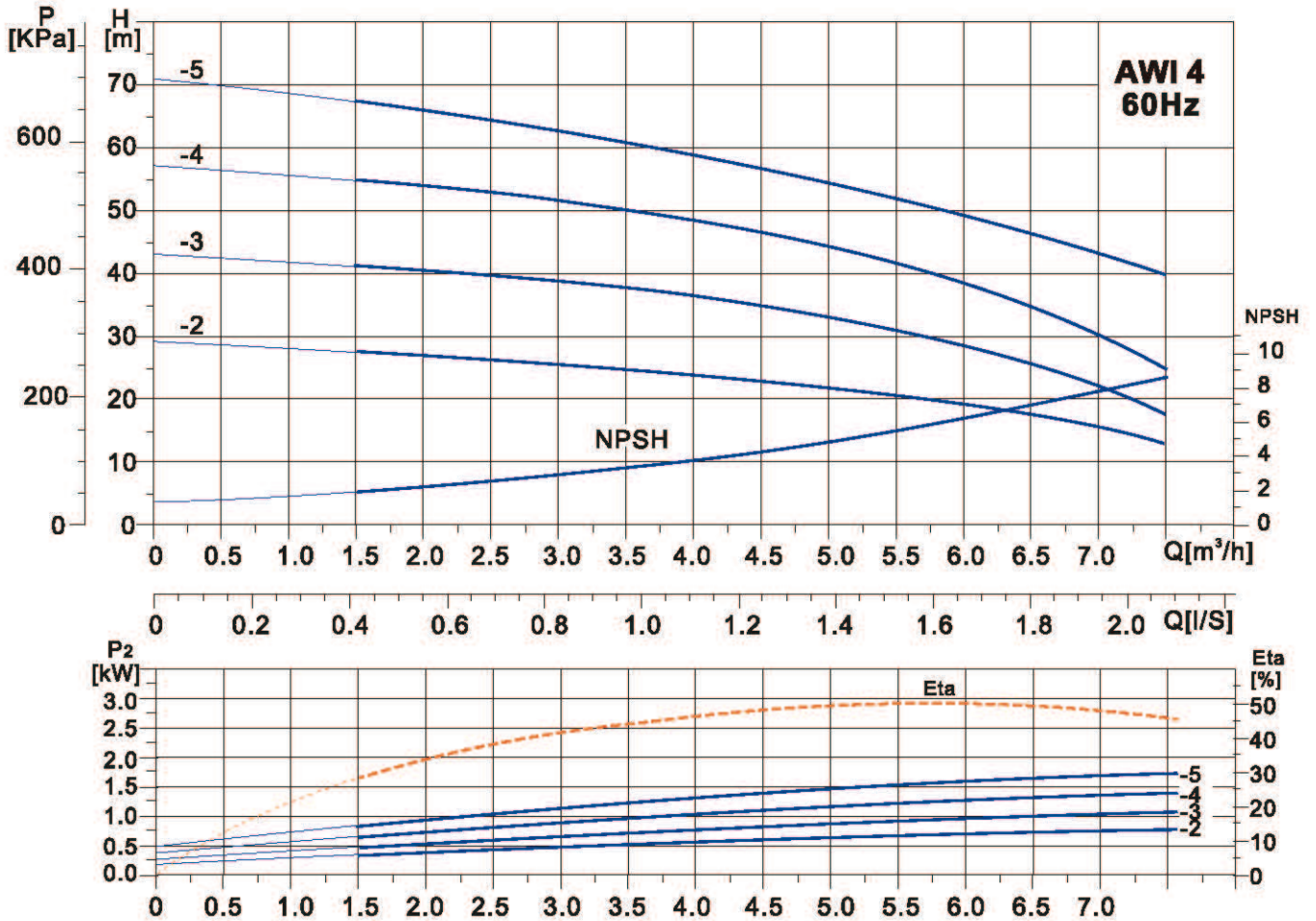
Model	Driving motor P2(kw)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
AWI 2-2	0.37	H(m)	26.5	26	24.5	24	22	21	19	17	13	8
AWI 2-3	0.55		41	40	38	37	36	34	31	28	23	15
AWI 2-4	0.75		55	53	51	50	48	45	42	37	30	20
AWI 2-5	1.0		68	66	64	62	60	57	52	46	38	25
AWI 2-6	1.3		82	79	76	74	72	68	62	55	45	30

AWI 3 Performance Curve



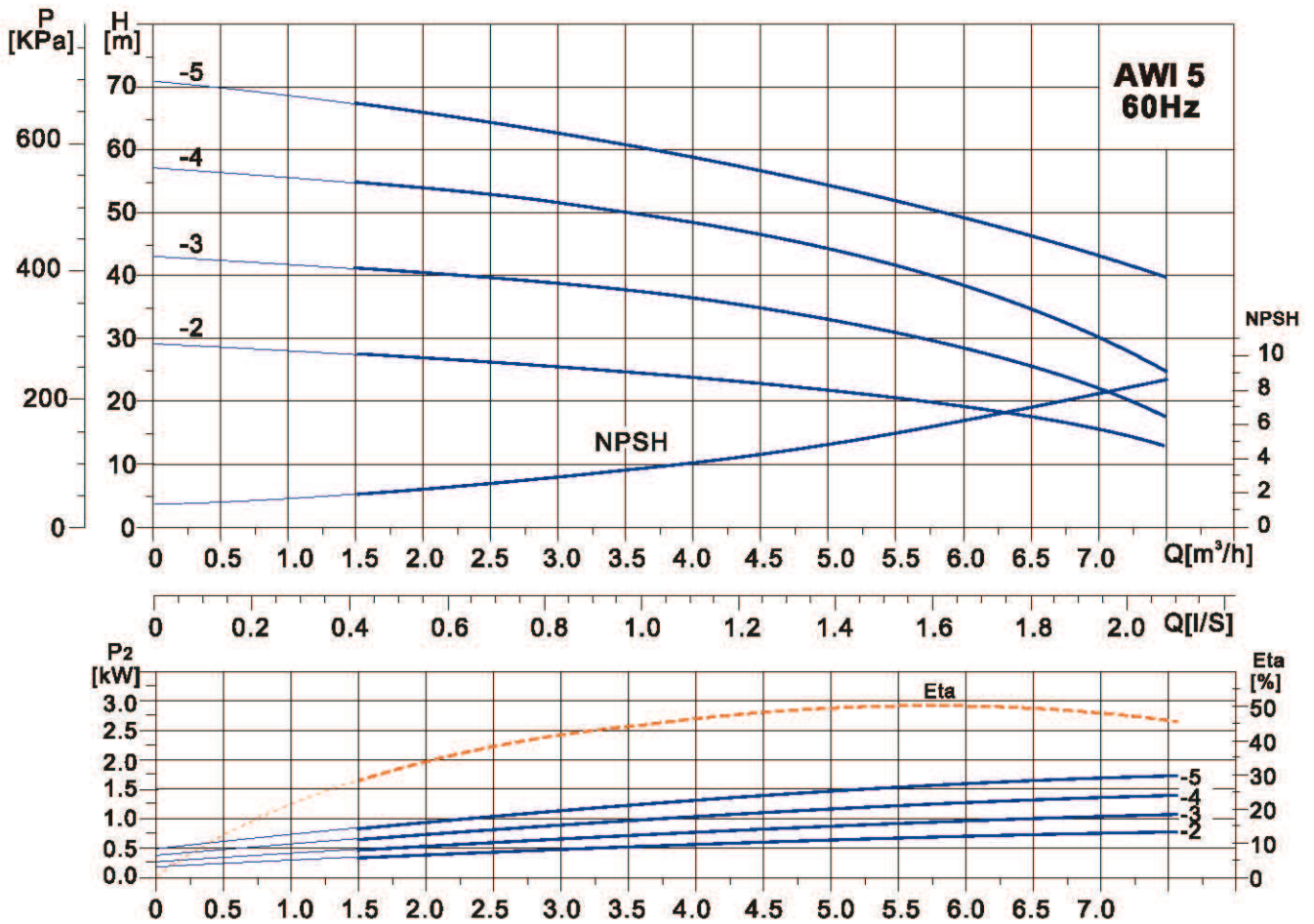
Model	Driving motor P2(kw)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
AWI 3-2	0.37	H(m)	26.5	26	24.5	24	23	21	19	17	13	8
AWI 3-3	0.55		41	40	38	37	36	34	31	28	23	15
AWI 3-4	0.75		55	53	51	50	48	45	42	37	30	20
AWI 3-5	1.0		68	66	64	62	60	57	52	46	38	25
AWI 3-6	1.3		82	79	76	74	72	68	62	55	45	30

AWI 4 Performance Curve



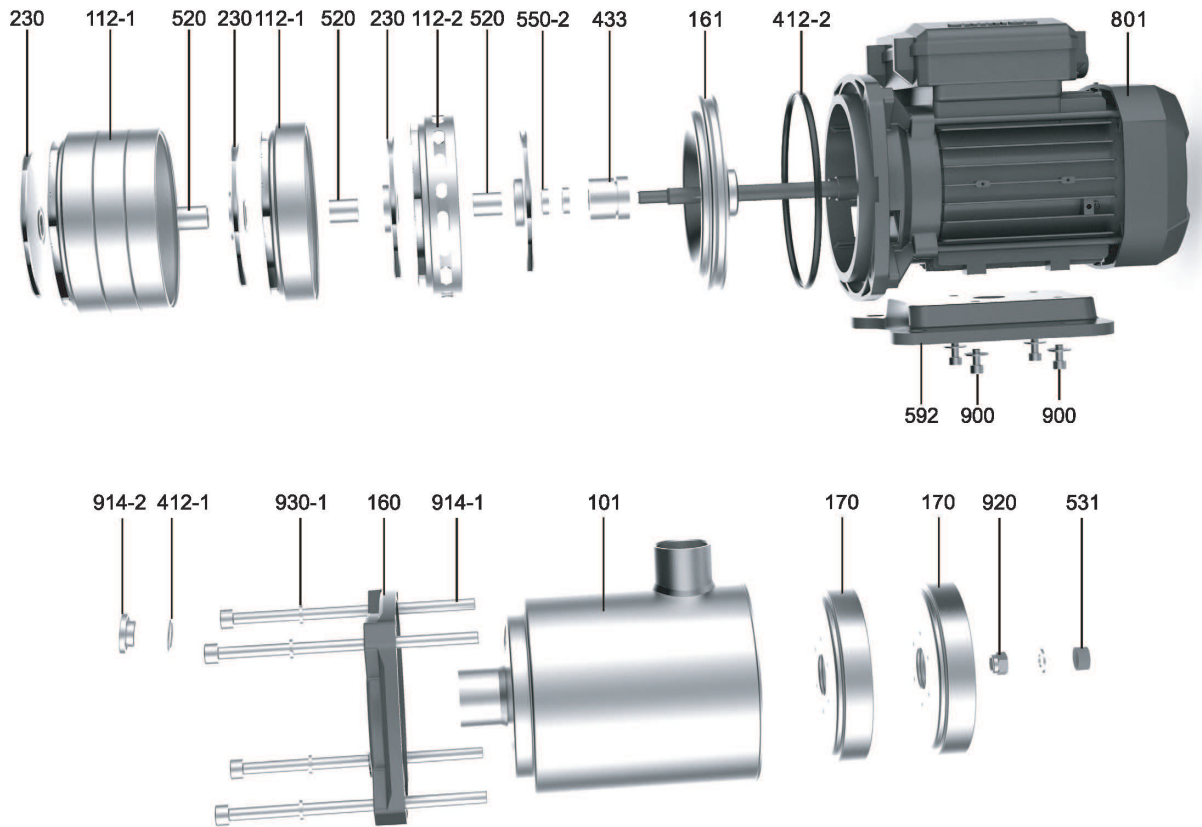
Model	Driving motor P2(kw)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5
AWI 4-2	0.75	H(m)	28	27.5	27	26	25.5	25	24.5	24	23	22	21.5	19	17	15	13
AWI 4-3	1.0		42	41	40	39	38.5	38	37	36	33.5	33	31.5	29	26	22	18
AWI 4-4	1.3		56	55	53.5	52.0	51.5	51	49.5	48	46	44	41	39	35	29	24
AWI 4-5	1.85		70	69	63	65.0	64	63	61.5	60	57	55	51	48	43	36	30

AWI 5 Performance Curve



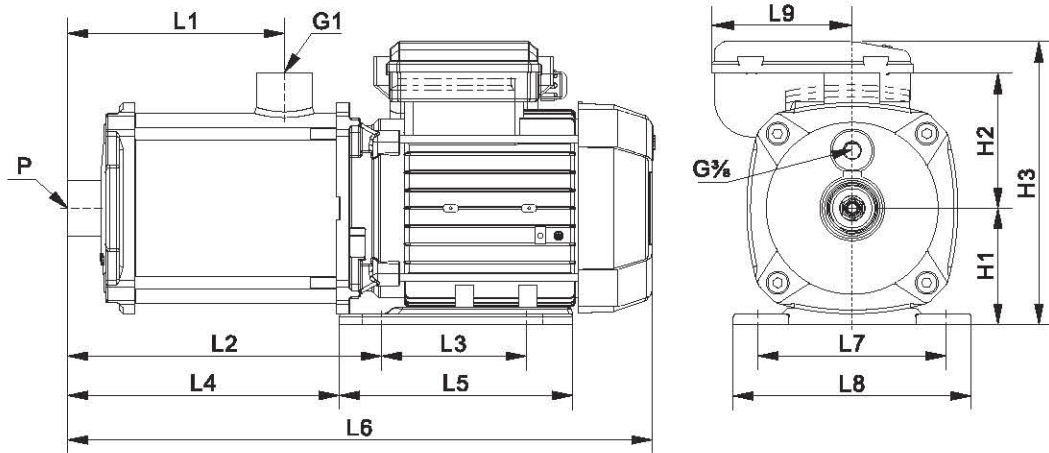
Model	Driving motor P2(kW)	Q (m³/h)	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5
AWI 5-2	0.75	H(m)	28	27.5	27	26	25.5	25	24.5	24	23	22	21.5	19	17	15	13
AWI 5-3	1.0		42	41	40	39	38.5	38	37	36	33.5	33	31.5	29	26	22	18
AWI 5-4	1.3		56	55	53.5	52	51.5	51	49.5	48	46	44	41	39	35	29	24
AWI 5-5	1.85		70	69	63	65	64	63	61.5	60	57	55	51	48	43	36	30

Components



No.	Component	No.	Component
101	Pressure cylinder	520	Oblong sleeve
112-1	Deflector	531	bushing
112-2	Outlet deflector	550-2	Adjusting washer
160	Platen	592	base
161	COVER AS-FRONT	801	electric machinery
170	Inlet deflector	900	Hexagon flange bolt
230	impeller	914-1	Hexagon socket head cap screw
412-1	O-ring seal	914-2	Hexagon socket plug
412-2	O-ring seal	920	Non-metallic insert hex lock nut
433	Mechanical seal	930-1	Standard spring washer

Packing Sizes & Weight



Model	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	L5 (mm)	L6 (mm)	L7 (mm)	L8 (mm)	L9 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	P
AWI 1-2	72	131	96	116	136	305	125	158	93.5	75	90	174	G1
AWI 1-3	72	136	96	1008	155	316	125	158	93.5	77	90	188	G1
AWI 1-4	90	154	96	126	155	334	125	158	93.5	77	90	188	G1
AWI 1-5	108	172	96	144	155	352	125	158	93.5	77	90	188	G1
AWI 1-6	144	208	96	180	155	388	125	158	93.5	77	90	188	G1
AWI 2-2	72	131	96	116	136	305	125	158	93.5	75	90	174	G1
AWI 2-3	72	136	96	108	155	316	125	158	93.5	77	90	188	G1
AWI 2-4	90	154	96	126	155	334	125	158	93.5	77	90	188	G1
AWI 2-5	108	175	125	153	175	396	140	178	102	90	90	215	G1
AWI 2-6	144	211	125	189	175	432	140	178	102	90	90	215	G1
AWI 3-2	72	131	96	116	136	305	125	158	93.5	75	90	174	G1
AWI 3-3	72	136	96	108	155	316	125	158	93.5	77	90	188	G1
AWI 3-4	90	154	96	126	155	334	125	158	93.5	77	90	188	G1
AWI 3-5	108	175	125	153	175	396	140	178	102	90	90	215	G1
AWI 3-6	144	211	125	189	175	432	140	178	102	90	90	215	G1
AWI 4-2	72	136	96	108	155	316	125	158	93.5	77	90	188	G1 1/4
AWI 4-3	72	139	125	117	175	360	140	178	102	90	90	215	G1 1/4
AWI 4-4	90	157	125	135	175	378	140	178	102	90	90	215	G1 1/4
AWI 4-5	108	175	125	153	175	396	140	178	102	90	90	215	G1 1/4
AWI 5-2	72	136	96	108	155	316	125	158	93.5	77	90	188	G1 1/4
AWI 5-3	72	139	125	117	175	360	140	178	102	90	90	215	G1 1/4
AWI 5-4	90	157	125	135	175	378	140	158	102	90	90	215	G1 1/4
AWI 5-5	108	175	125	153	175	396	140	178	102	90	90	215	G1 1/4