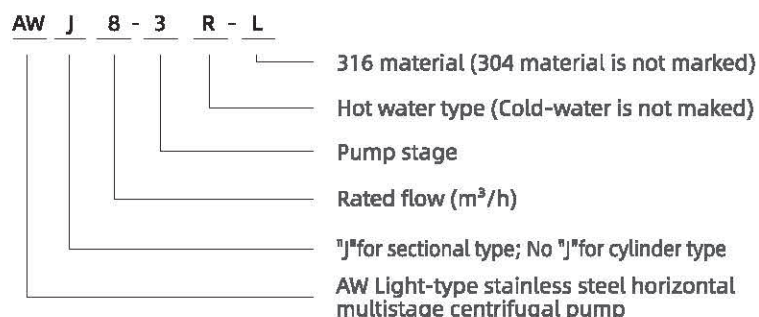


Model Instruction



Overview Of The Product

AW, AWJ stainless steel horizontal multistage centrifugal pumps are non-self priming pumps absorbing the advanced technology from home and abroad. They are classified into two kinds: cylinder type and sectional type. They adopt horizontal motor and alloy mechanical seal, which makes the replacement more convenient. The overflowing part of the pump is made of stainless steel 304, applicable for light-corrosion medium. Relying on the high efficiency, energy saving performance, reliable quality, wide usable range, our products receive the great popularity after being launched.

Application Limits

- © Temperature range of medium: Normal type 0 ~ +68°C , hot water type +68°C ~ +120°C
- © Maximum ambient temperature: +40 °C
- © Maximum system pressure: 1Mpa
- © When the density or viscosity of the transmission medium exceeds that of water, it is necessary to select a driving motor of high-power.
- © pH: 5 to 9

Applications Fields

- Air conditioner system
- Aquaculture
- Cooling System
- Industrial cleansing
- Environmental application
- Water processing(Water purification)
- Fertilization/measuring system
- Other special applications

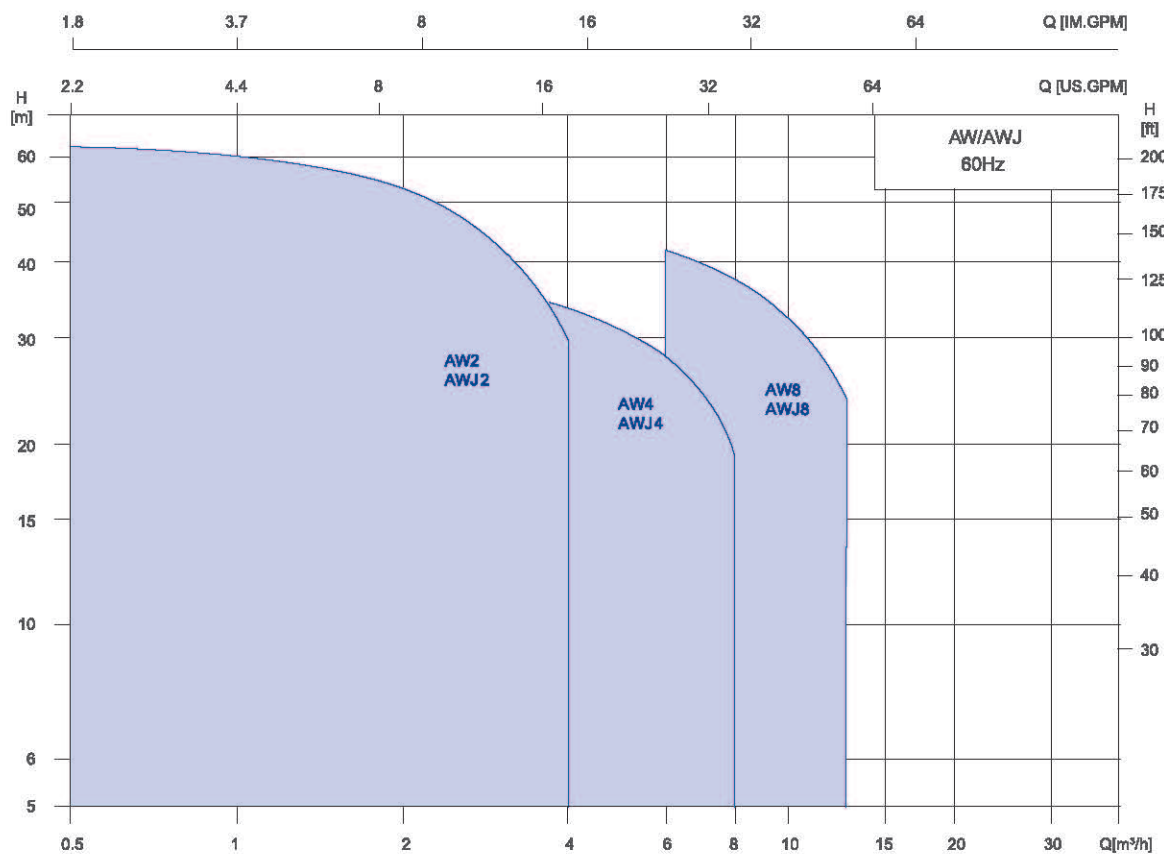
Certificate



Optional Available On Request

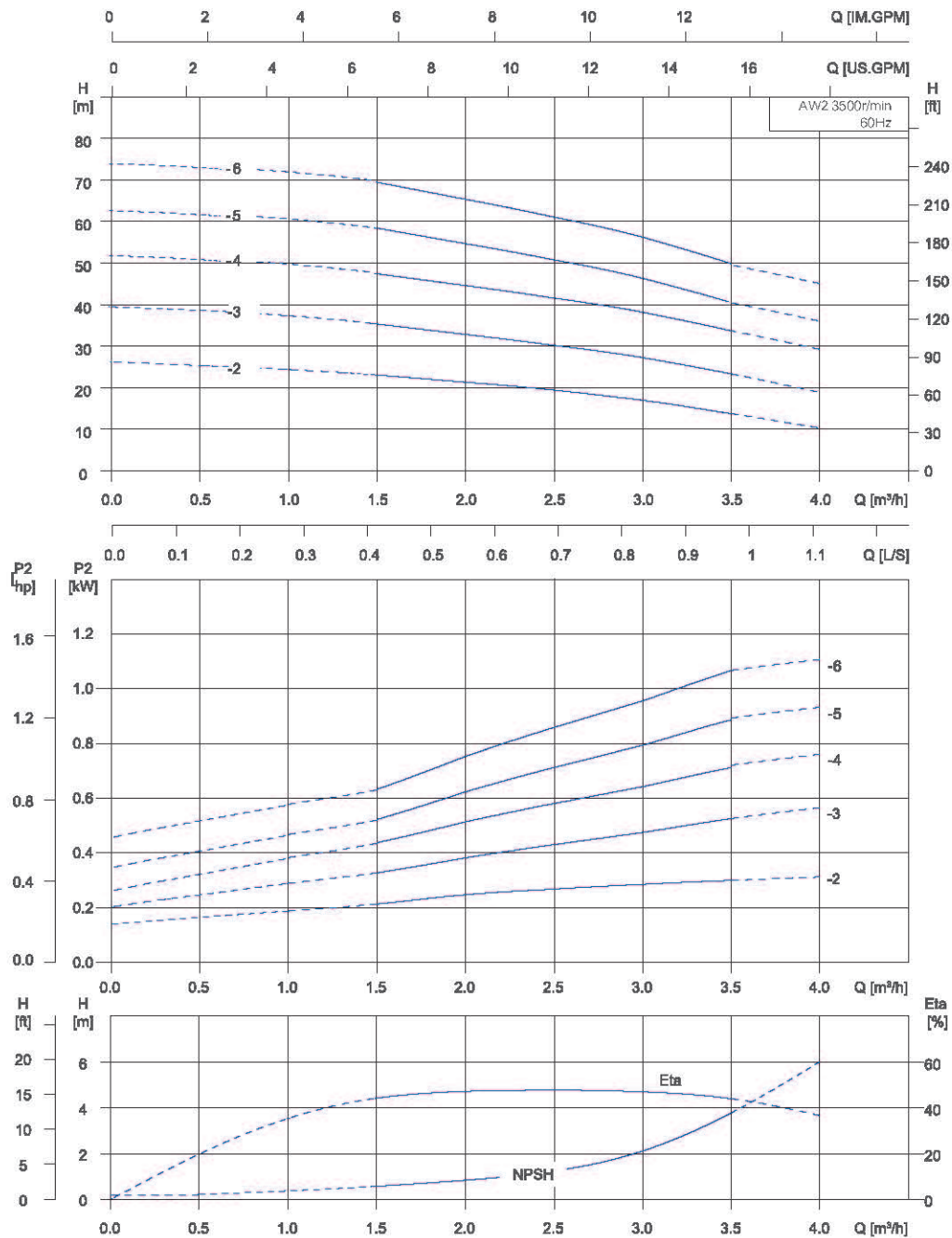
- © Full-enclosed and ventilating two-pole standard motor
- © Protection class: IP55
- © Insulation class: F
- © Standard voltage (60Hz): Single phase 220V Three phase:380V or 220V

Performance Range



Model	AW2	AW4	AW8	AWJ2	AWJ4	AWJ8
Rated Flow (m³/h)	2	4	8	2	4	8
Flow Range (m³/h)	1~3.5	2~7	6~12	1~3.5	2~7	6~12
Max. Pressure (bar)	4	3	4.5	6.5	4	4.5
Motor Power (kW)	0.55~1.1	0.75~1.5	1.5~2.2	0.55~1.1	0.75~1.5	1.5~2.2
Max. Efficiency (%)	46	57	62	46	57	62
Inlet	G1	G1¼	G2	G1	G1¼	G1½
Outlet	G1	G1	G2	G1	G1	G1¼

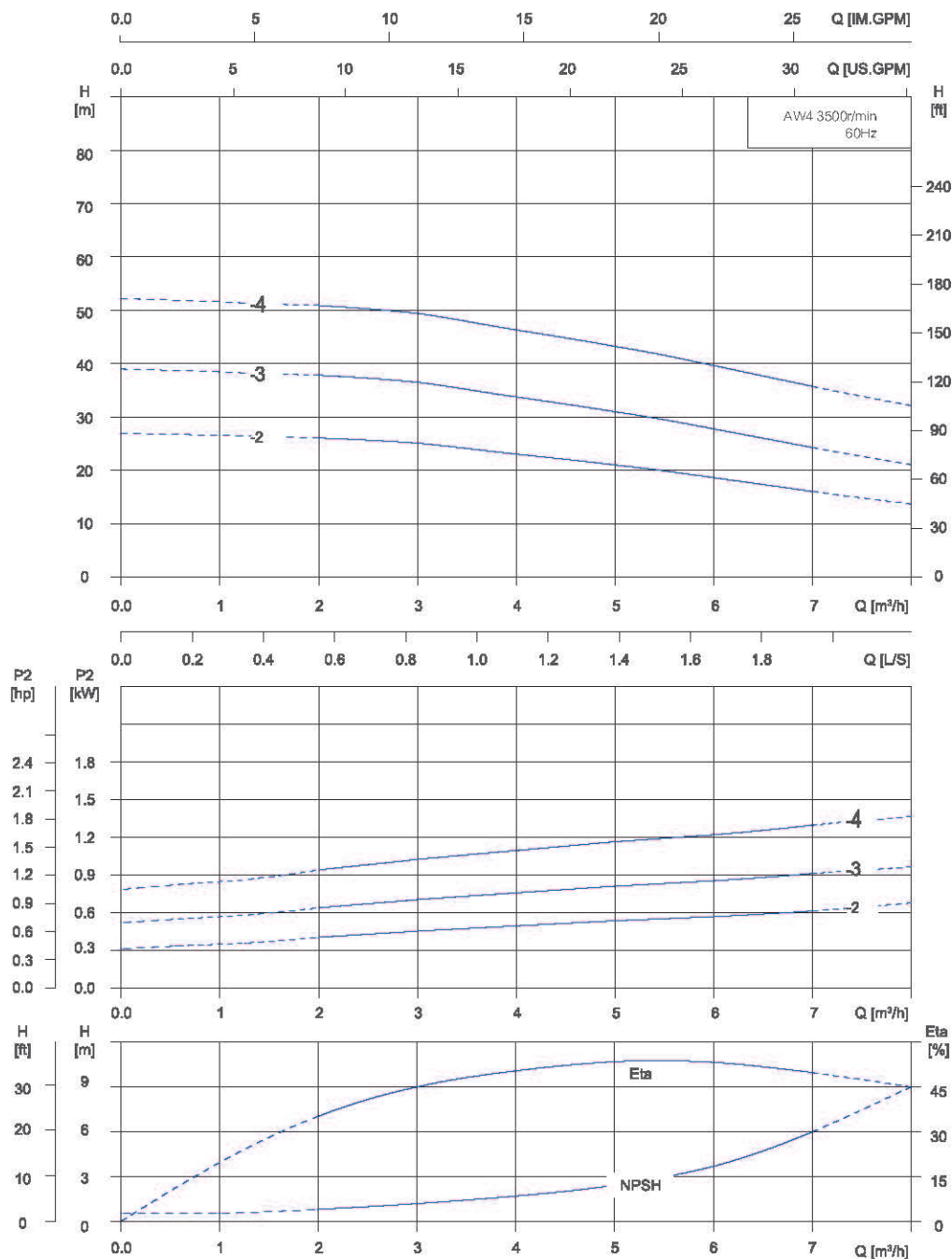
Performance Details-AW2



It is recommended to be used within lift range.

Model	Power		Q (m³/h)	1	1.5	2	2.5	3	3.5	Head Range (m)
	kW	HP								
AW2-2	0.55	0.75	H(m)	24.5	24	21.5	21	19	14	14~24.5
AW2-3	0.75	1		37.5	36	33	31	27	23.5	23.5~37.5
AW2-4	1.1	1.5		50	48	45.5	42	37.5	32	32~50
AW2-5	1.1	1.5		61.5	58.5	55	51	46	40	40~61.5
AW2-6	1.1	1.5		73.5	70.5	66	61.5	56	49	49~73.5

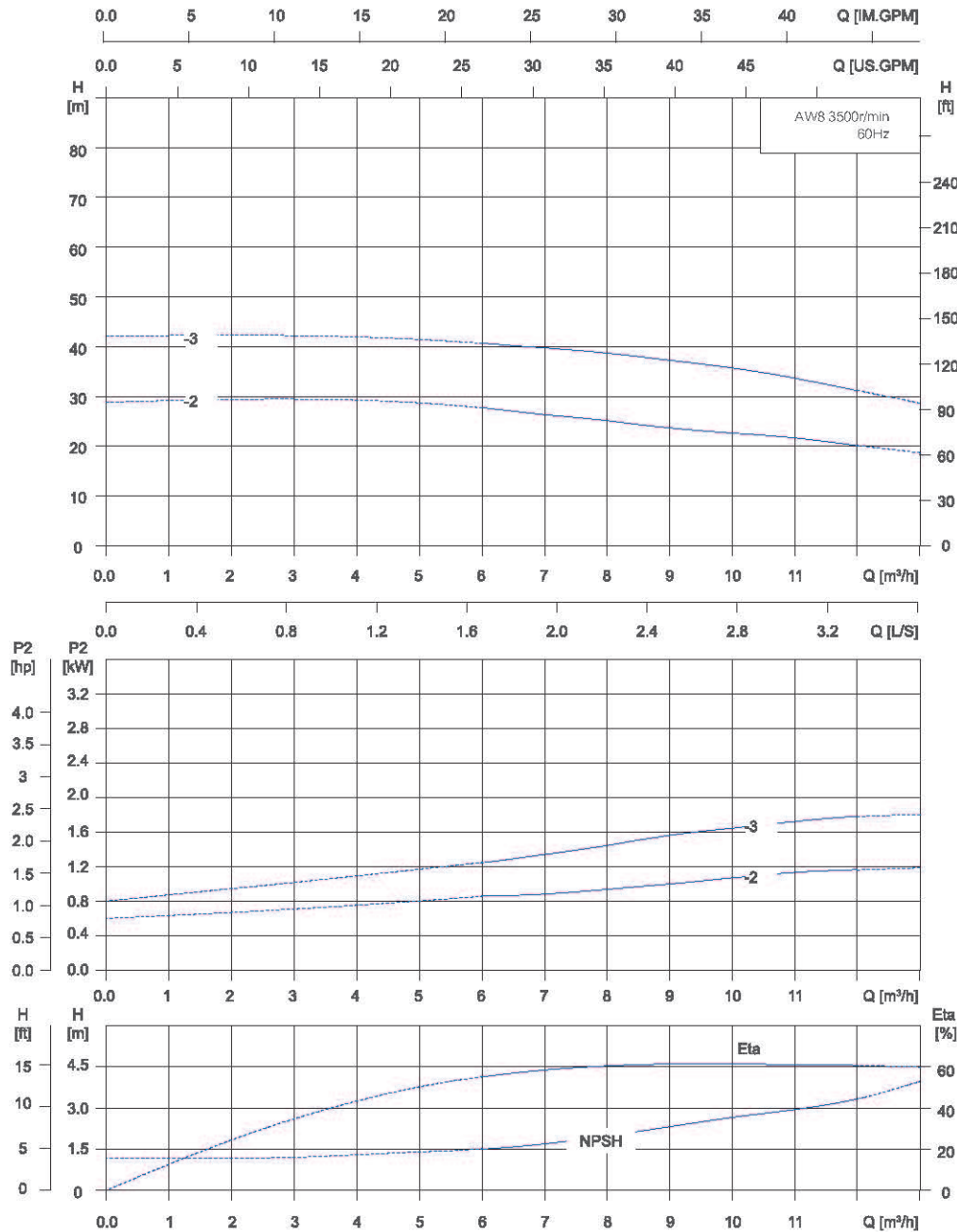
Performance Details-AW4



It is recommended to be used within lift range.

Model	Power		Q (m³/h)	2	3	4	5	6	7	Head Range (m)
	kW	HP								
AW4-2	0.75	1	H(m)	26	25	23	21	19	16	16~26
AW4-3	1.1	1.5		39.5	37.5	36	31.5	28.5	24.5	24.5~39.5
AW4-4	1.5	2		52.5	50	47	43	39	35	35~52.5

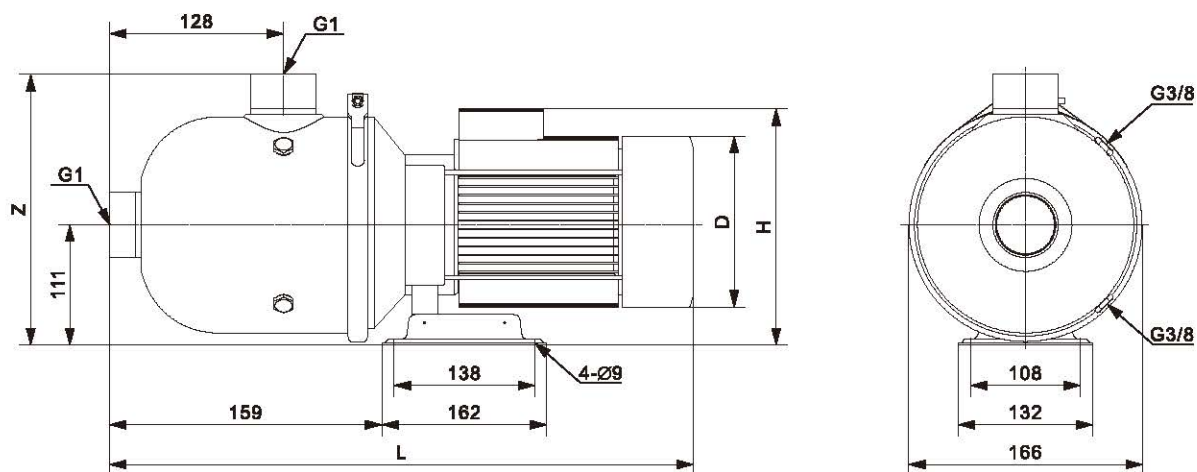
Performance Details-AW8



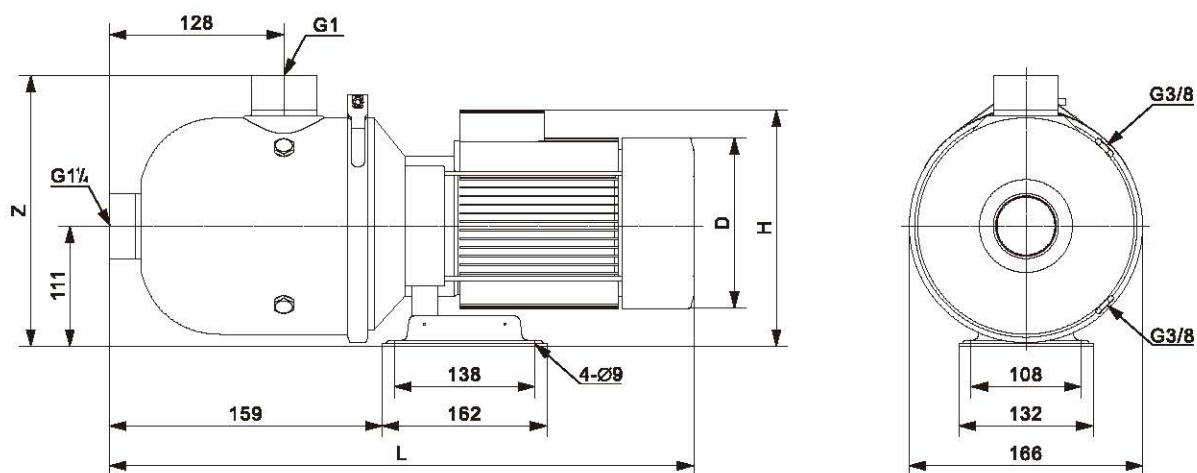
It is recommended to be used within lift range.

Model	Power		Q (m³/h)	6	7	8	9	10	11	12	Head Range (m)
	kW	HP									
AW8-2	1.5	2	H(m)	29	27	26	25	24	23	21.5	21.5~29
AW8-3	2.2	3		42	41	40	38	37	35	33	33~42

Dimensions & Weight

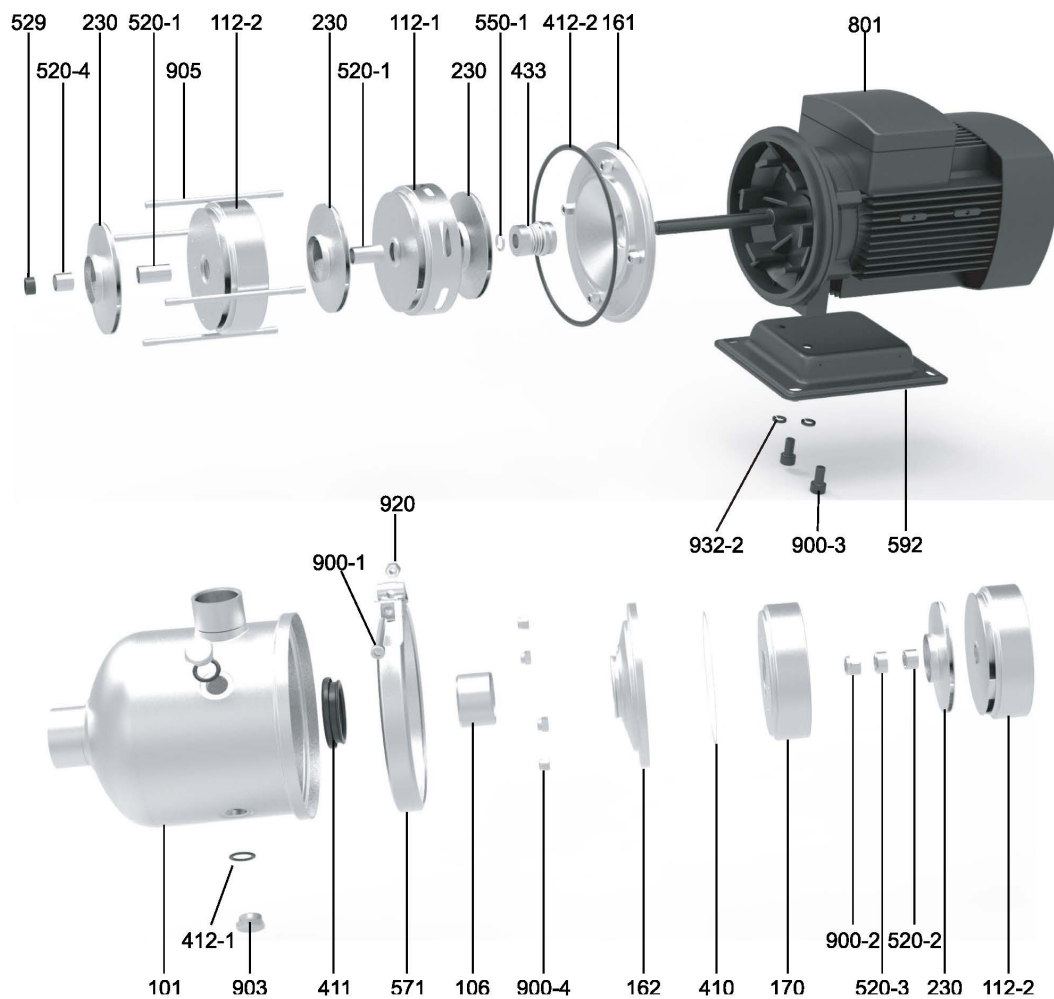


Model	Dim.(mm)			
	L	Z	H	D
AW2-2	403	214	215	140
AW2-3	424	214	224	158
AW2-4	424	214	224	158
AW2-5	424	214	224	158
AW2-6	424	215	224	158



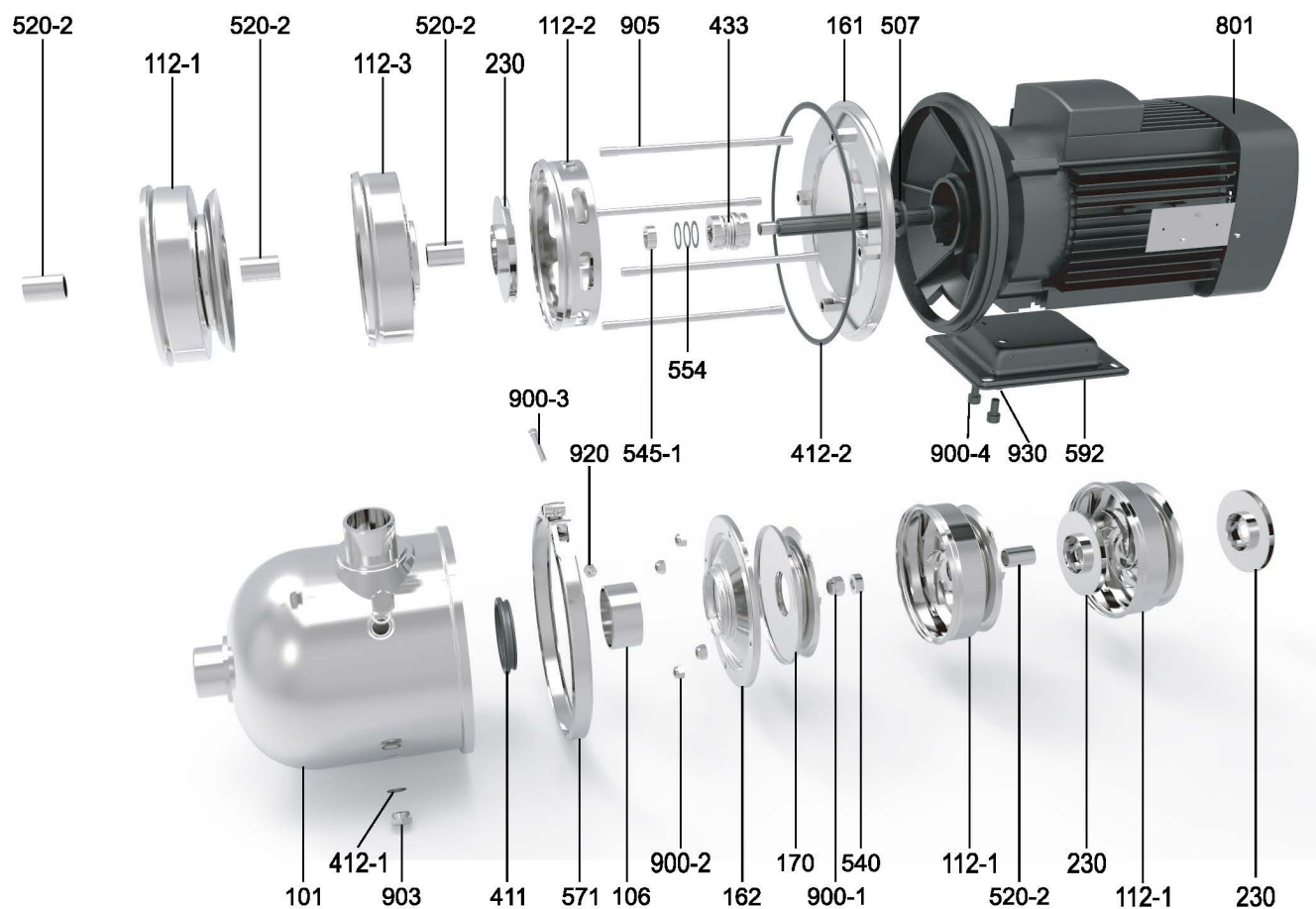
Model	Dim.(mm)			
	L	Z	H	D
AW4-2	424	214	224	158
AW4-3	424	214	224	158
AW4-4	462	215	232	168

Exploded View



No.	Part Name	No.	Part Name	No.	Part Name
101	Pressure-proof cylinder component	412-1	O-ring	801	Motor
106	Connecting pipe	412-2	O-ring	900-1	Hexagon socket head cap scr ew
112-1	Deflector	433	Mechanical sea	900-2	Type 1 non-metallic insert hex lock nuts
112-2	Outlet deflector	520-1	Long round sleeve	900-3	Hexagon socket head cap screw
112-3	Final stage deflector	520-2	Short round sleeve	900-4	Type 1 non-metallic insert hex lock nuts
161	Front cover component	520-3	Stop sleeve	903	Air relief cock
162	Hold-down plate component	520-4	Short round sleeve -i	905	Tie rod
170	Inlet deflector	529	Bearing inner ring	920	Hexagon thick nuts
230	Impeller	550-1	Adjusting washer	930-2	Spr ing washer
410	Gasket	571	Hoop components		
411	Special-shaped sealingring	592	Base		

Exploded View



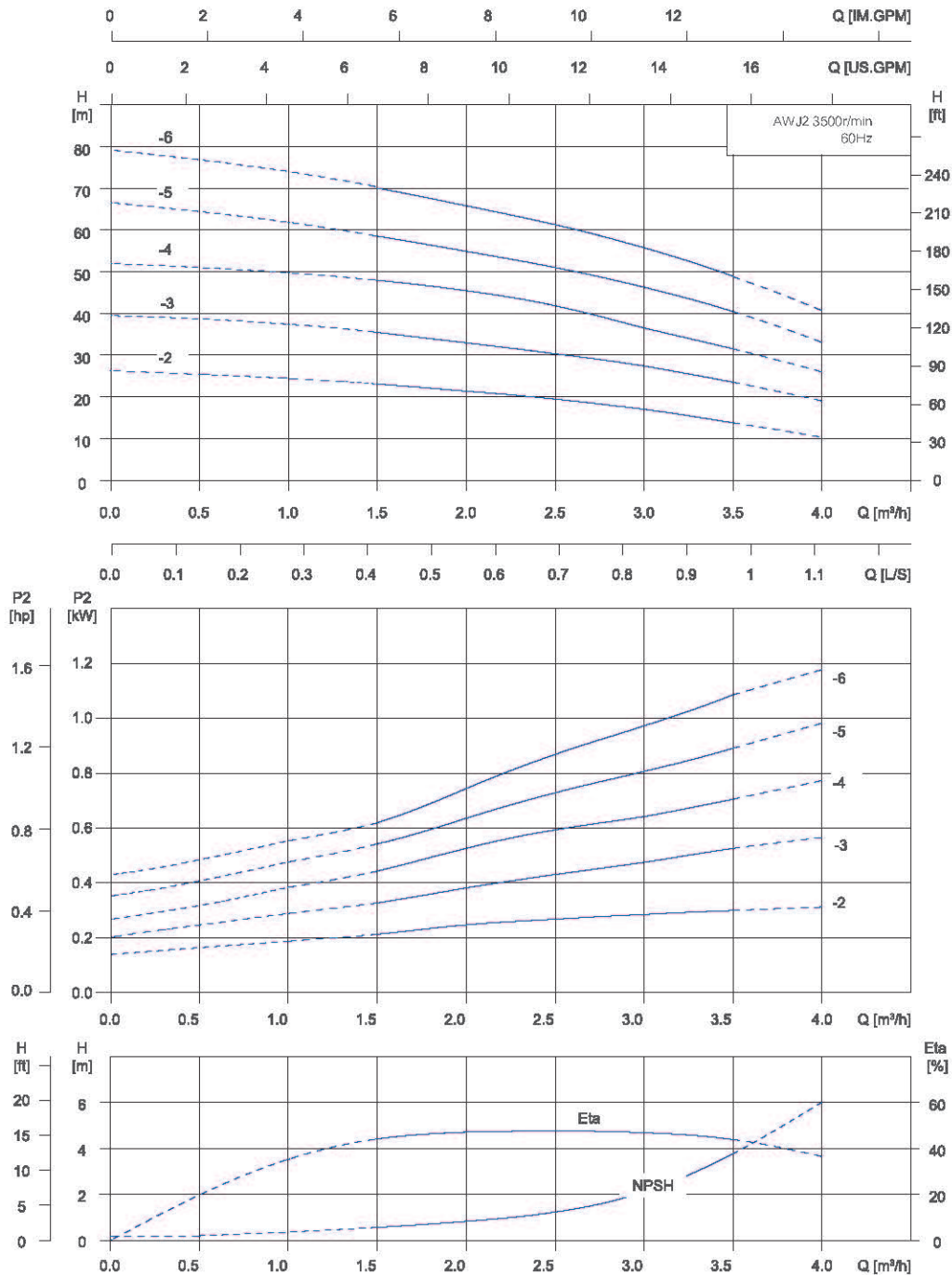
No.	Part Name	No.	Part Name	No.	Part Name
101	Pressure cylinder assembly	412-1	O-ring	801	Motor
106	Connecting pipe	412-2	O-ring	900-1	Type 1 non-metallic insert hex lock nut
112-1	Deflector	433	Mechanical seal	900-2	Type 1 non-metallic insert hex lock nut
112-2	Outlet deflector	507	Water stop ring	900-3	Hexagon socket head cap screw
112-3	Last-stage deflector	520-2	Long round sleeve	900-4	Hexagon socket head cap screw
161	Front cover assembly	540	Bushing	903	Air release plug
162	Platen assembly	545-1	Adjusting washer	905	Tie rod
170	Inlet deflector	554	Adjusting washer	920	Hexagon thick nut
230	Impeller	571	Hoop assembly	930	Spring washer
411	Special-shaped sealing ring	592	Base		

Packing Sizes & Weight

AW					
Model	Dim.(mm)			Weight	
	L	W	H	N.W.(kg)	G.W.(kg)
AW2-2	450	228	305	11	12
AW2-3	450	228	305	14	15
AW2-4	450	228	305	15	16
AW2-5	450	228	305	15	16
AW2-6	450	228	305	15	16
AW4-2	450	228	305	14	15
AW4-3	450	228	305	15	16
AW4-4	450	228	305	18	19
AW8-2	635	265	330	18	19
AW8-3	635	265	330	24	26



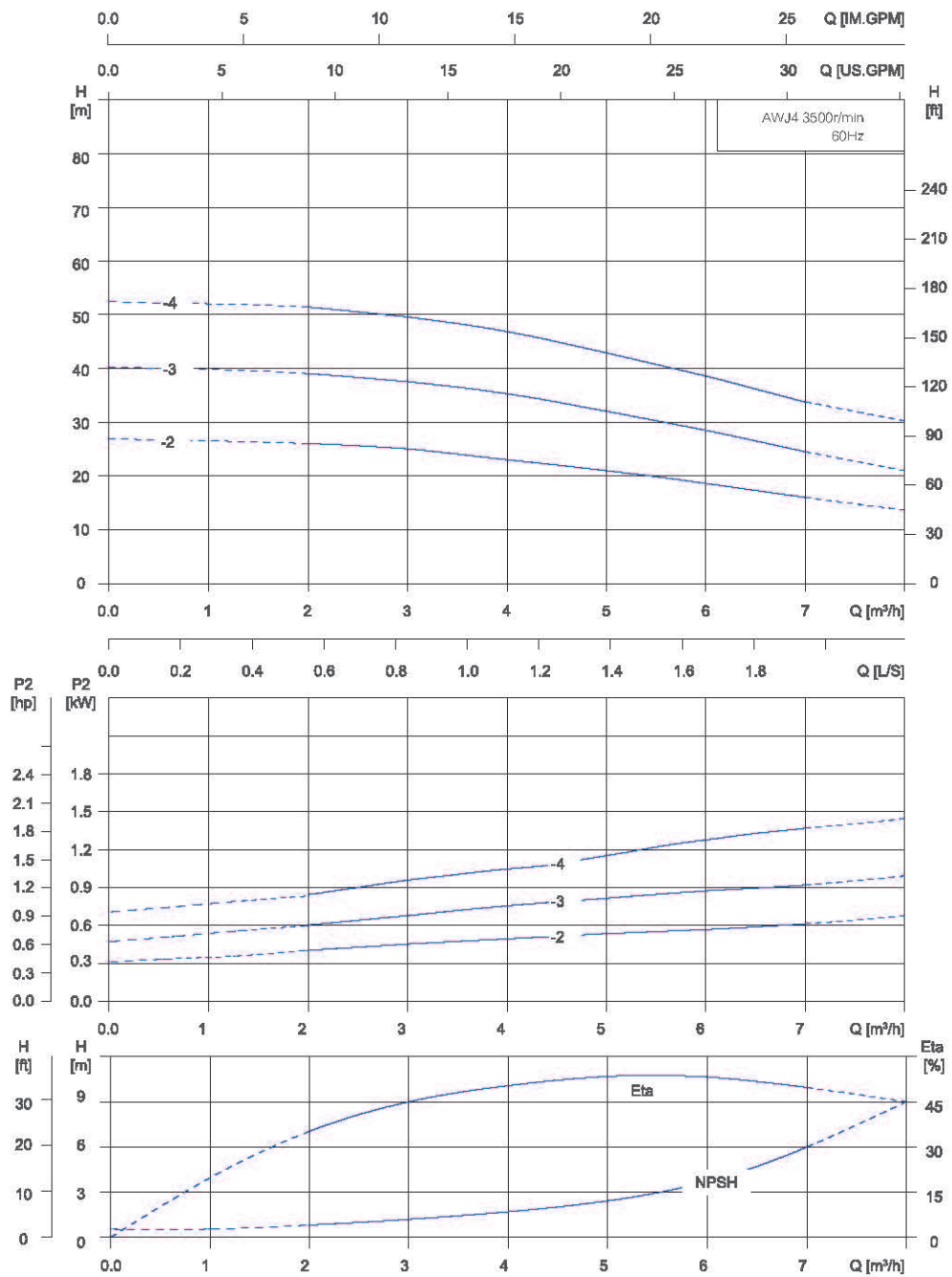
Performance Details-AWJ2



It is recommended to be used within lift range.

Model	Power		Q (m³/h)	1	1.5	2	2.5	3	3.5	Head Range (m)
	kW	HP								
AWJ2-2	0.55	0.75	H(m)	24.5	24	21.5	21	19	14	14~24.5
AWJ2-3	0.75	1		37.5	36	33	31	27	23.5	23.5~37.5
AWJ2-4	1.1	1.5		49.5	48	45.5	42	36	32	32~49.5
AWJ2-5	1.1	1.5		62	61	55	52	46	40.5	40.5~62
AWJ2-6	1.1	1.5		73.5	70	66	61.5	56	49	49~73.5

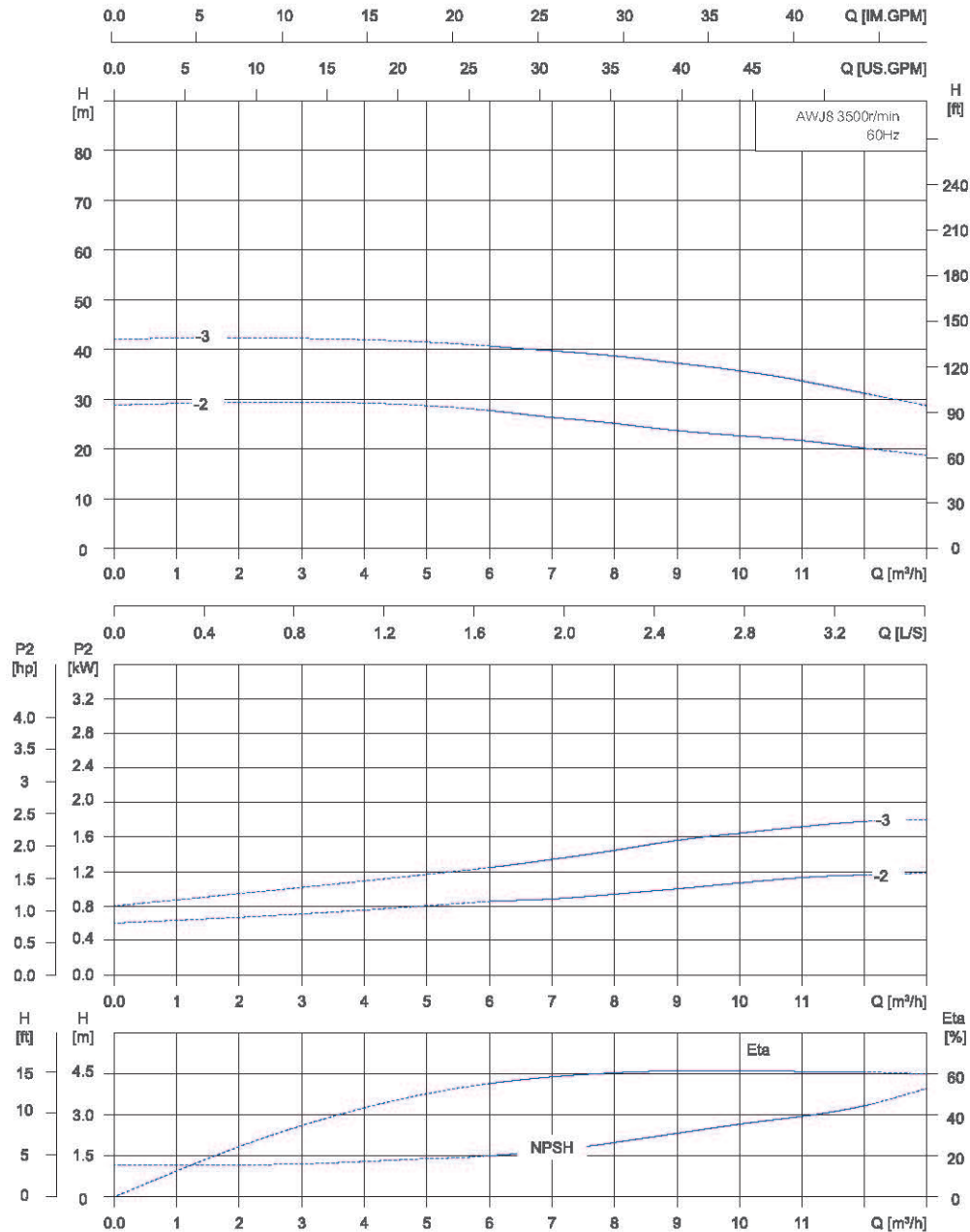
Performance Details-AWJ4



It is recommended to be used within lift range.

Model	Power		Q (m³/h)	2	3	4	5	6	7	Head Range (m)
	kW	HP								
AWJ4-2	0.75	1	H(m)	26	25	23	21	19	16	16~26
AWJ4-3	1.1	1.5		39	37.5	36	32	28	24	24~39
AWJ4-4	1.5	2		52	50	47	43	39	35	35~52

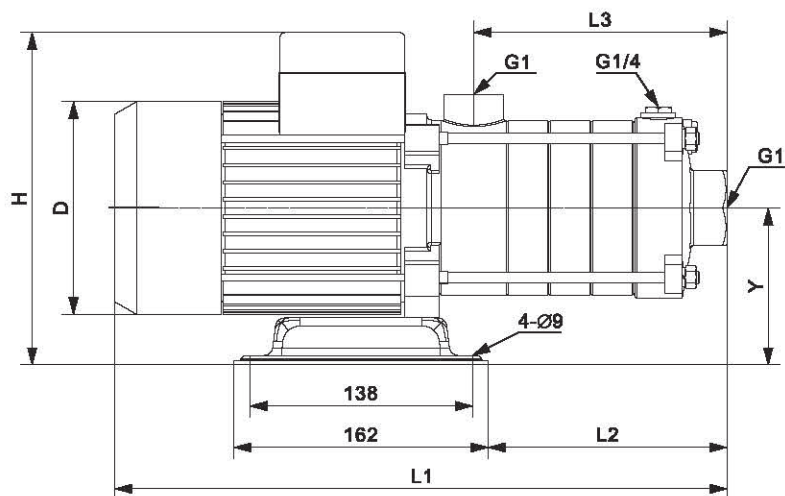
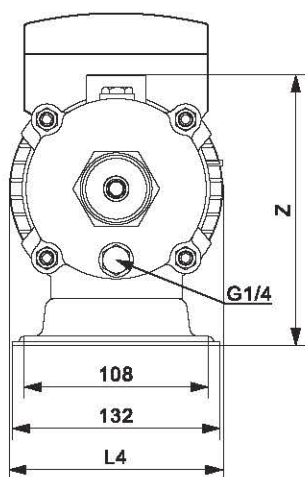
Performance Details-AWJ8



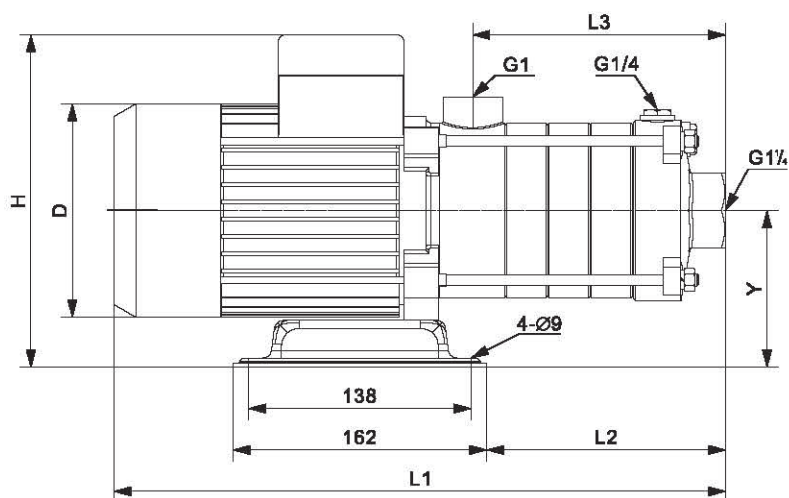
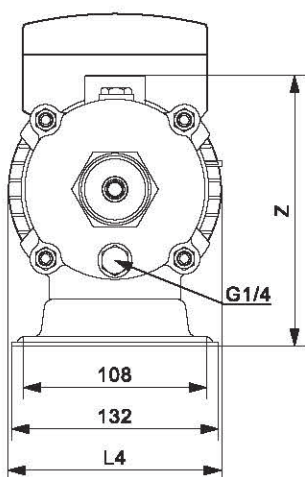
It is recommended to be used within lift range.

Model	Power		Q (m³/h)	6	7	8	9	10	11	12	Head Range (m)
	kW	HP									
AWJ8-2	1.5	2	H(m)	29	27	26	25	24	23	21.5	21.5~29
AWJ8-3	2.2	3		42	41	40	38	37	35	33	33~42

Dimensions & Weight

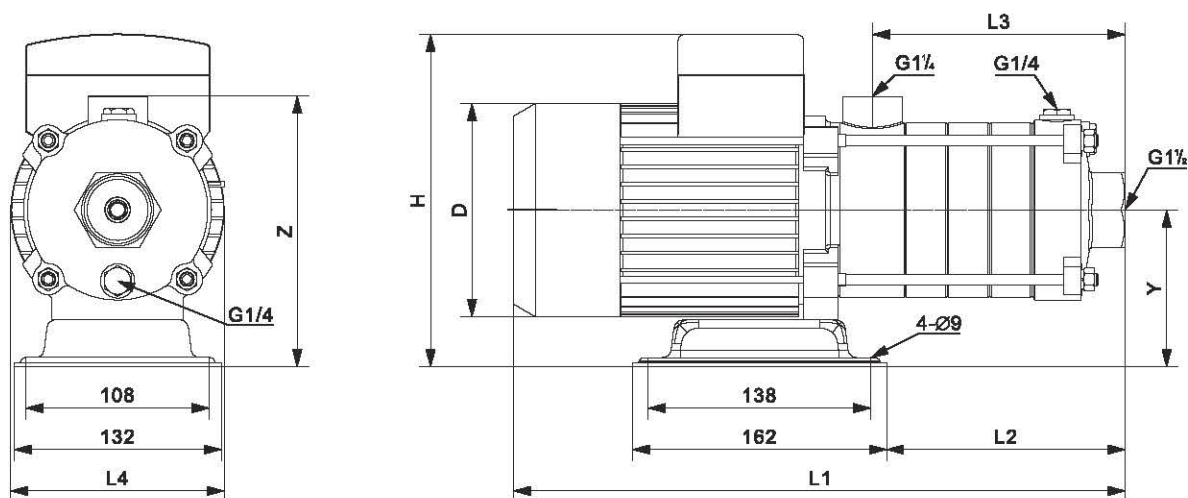


Model	Dim. (mm)							
	L1	L2	Z	Y	L3	H	D	L4
AWJ2-2	321	79	172.5	100	87	203	140	140
AWJ2-3	386	97	172.5	100	105	223	158	140
AWJ2-4	404	115	172.5	100	123	223	158	140
AWJ2-5	422	133	172.5	100	141	223	158	140
AWJ2-6	440	158	182.5	110	159	223	158	158



Model	Dim. (mm)							
	L1	L2	Z	Y	L3	H	D	L4
AWJ4-2	387	98	172.5	100	106	223	158	140
AWJ4-3	471	125	172.5	100	133	223	158	140
AWJ4-4	497	159	182.5	110	160	232	168	158

Dimensions & Weight



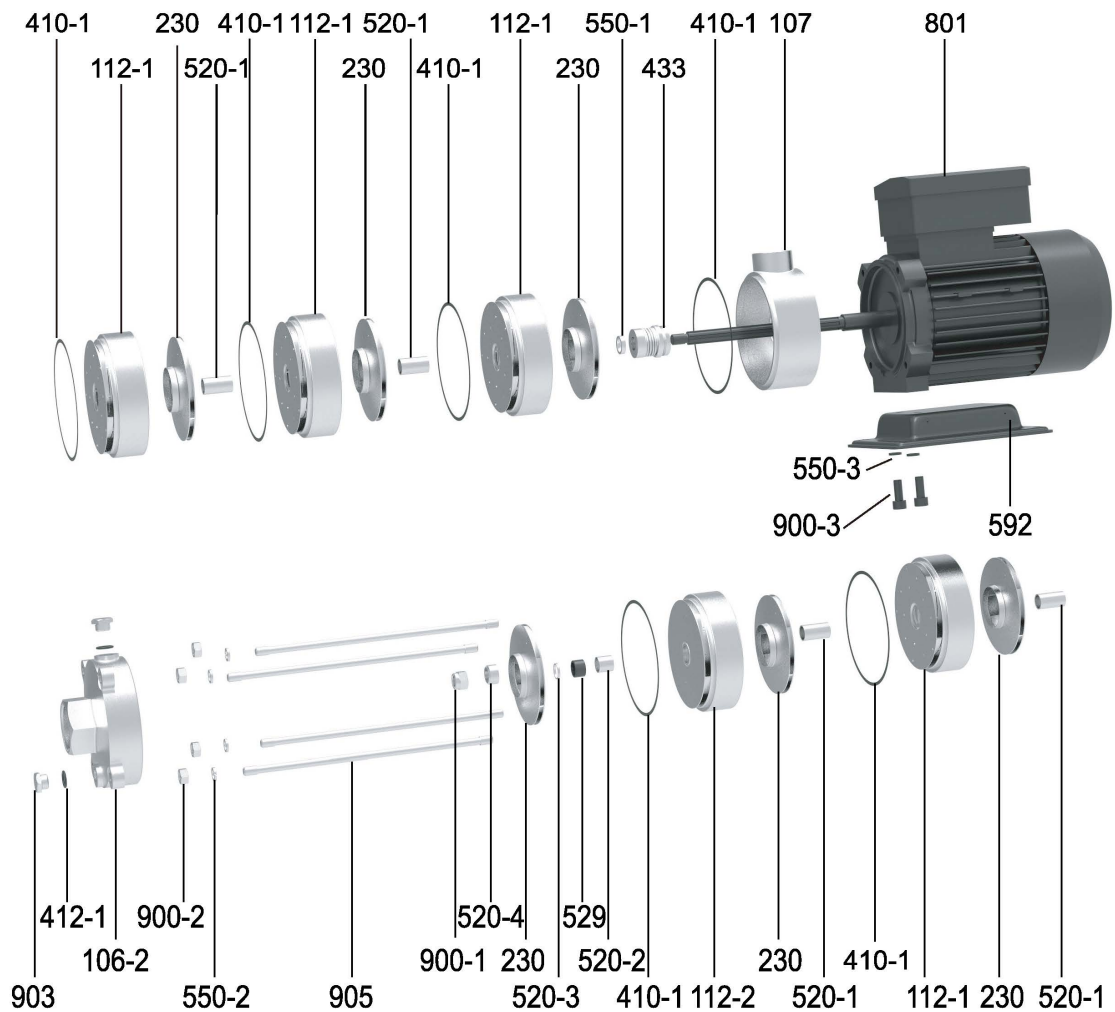
Model	Dim.(mm)							
	L1	L2	Z	Y	L3	H	D	L4
AWJ8-2	428	119.5	223	118	107.5	232	168	158
AWJ8-3	460	151.5	223	118	139.5	232	168	158

Packing Sizes & Weight

AWJ						
Model	Dim.(mm)			Weight		
	L	W	H	N.W.(kg)	G.W.(kg)	
AWJ2-2	390	288	305	12	13	
AWJ2-3	450	288	305	14	15	
AWJ2-4	450	288	305	16	18	
AWJ2-5	450	288	305	17	18	
AWJ2-6	550	288	305	17	18	
AWJ4-2	450	288	305	14	15	
AWJ4-3	450	288	305	17	18	
AWJ4-4	550	288	305	20	21	
AWJ8-2	635	265	330	23	24	
AWJ8-3	635	265	330	25	27	

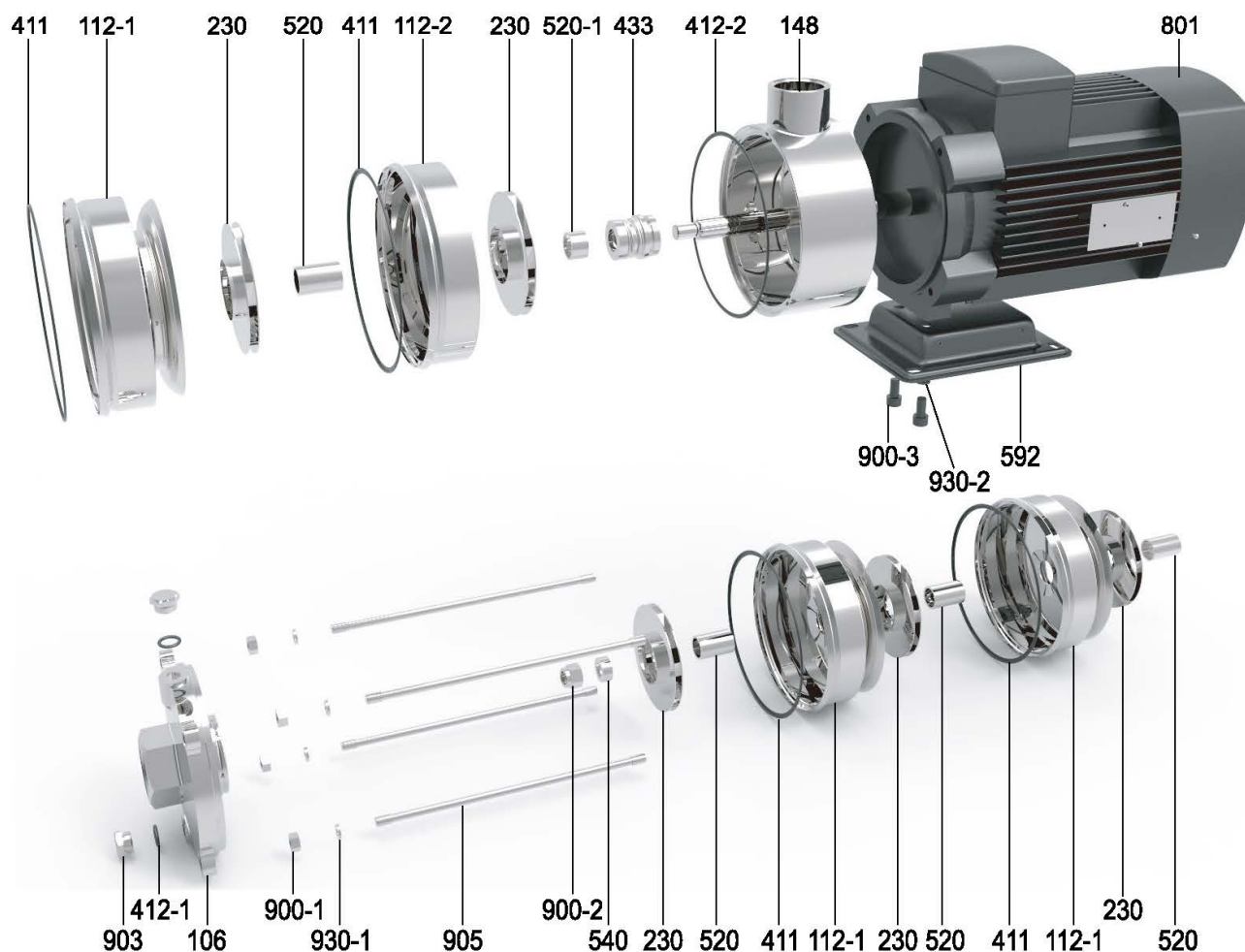


Exploded View



No.	Part Name	No.	Part Name	No.	Part Name
106-2	Water inlet housing assembly	520-1	Oblong sleeve	592	base
107	Water outlet shell	520-2	Short round sleeve I	801	electric machinery
112-1	Deflector	520-3	Short round sleeve II	900-1	Type 1 Non-metallic Insert Hexagon Lock Nut
112-2	With shaft deflector	520-4	Baffle sleeve	900-2	Type 1 hex nut
230	impeller	529	Bearing inner race	900-3	Hexagon socket head cap screw
410-1	Sealing washer	550-1	Adjusting washer	903	Plug assembly
412-1	O-ring	550-2	Standard spring washer	905	pull rod
433	Mechanical seal	550-3	Standard spring washer		
411	Special-shaped sealingring	592	Base		

Exploded View



No.	Part Name	No.	Part Name	No.	Part Name
106	Water inlet housing assembly	412-2	O-ring	900-1	Type 1 hex nut
112-1	Deflector	433	Mechanical seal	900-2	Type 1 Non-metallic Insert Hexagon Lock Nut
112-2	Last stage deflector	520	Oblong sleeve	900-3	Hexagon socket head cap screw
148	Water outlet shell	520-1	Short round sleeve	903	Bleed cock
230	impeller	540	bushing	905	pull rod
411	Sealing washer	592	base	930-1	Standard spring washer
412-1	O-ring	801	electric machinery	930-2	Standard spring washer