



### Limits of use

- Ambient temperature up to +55°C
- Liquid temperature up to +60°C
- PH value of liquid between 6.5-8.5
- Power: 50hz, single-phase 220v, three-phase 380v, fluctuated up and down 10%

### Features

- This self-priming pump with build-in check valve, can be used without charging water again after first water injection.
- Due to adopt the inlet and outlet flanges with screw thread, this pump can be easily installed with the pipe through flanges and screw thread connection.
- Due to adopt the impeller cover, the end-user can clean the pump casing easily through disassembling the impeller cover
- to prevent the impeller from jam.
  
- High head with steep drop H/Q characteristic curve
- With the increase of viscosity of the liquid delivery, a sharp decline in the efficiency of the pump, and thus not suitable for delivery of high viscosity liquids;
- Due to the performance ensured by the small gap between the impeller and the pump casing therefore can not be used to delivery liquid containing solid particles;
  
- This pump designed with the pressure switch and tank to control the pump automatically.

### Application

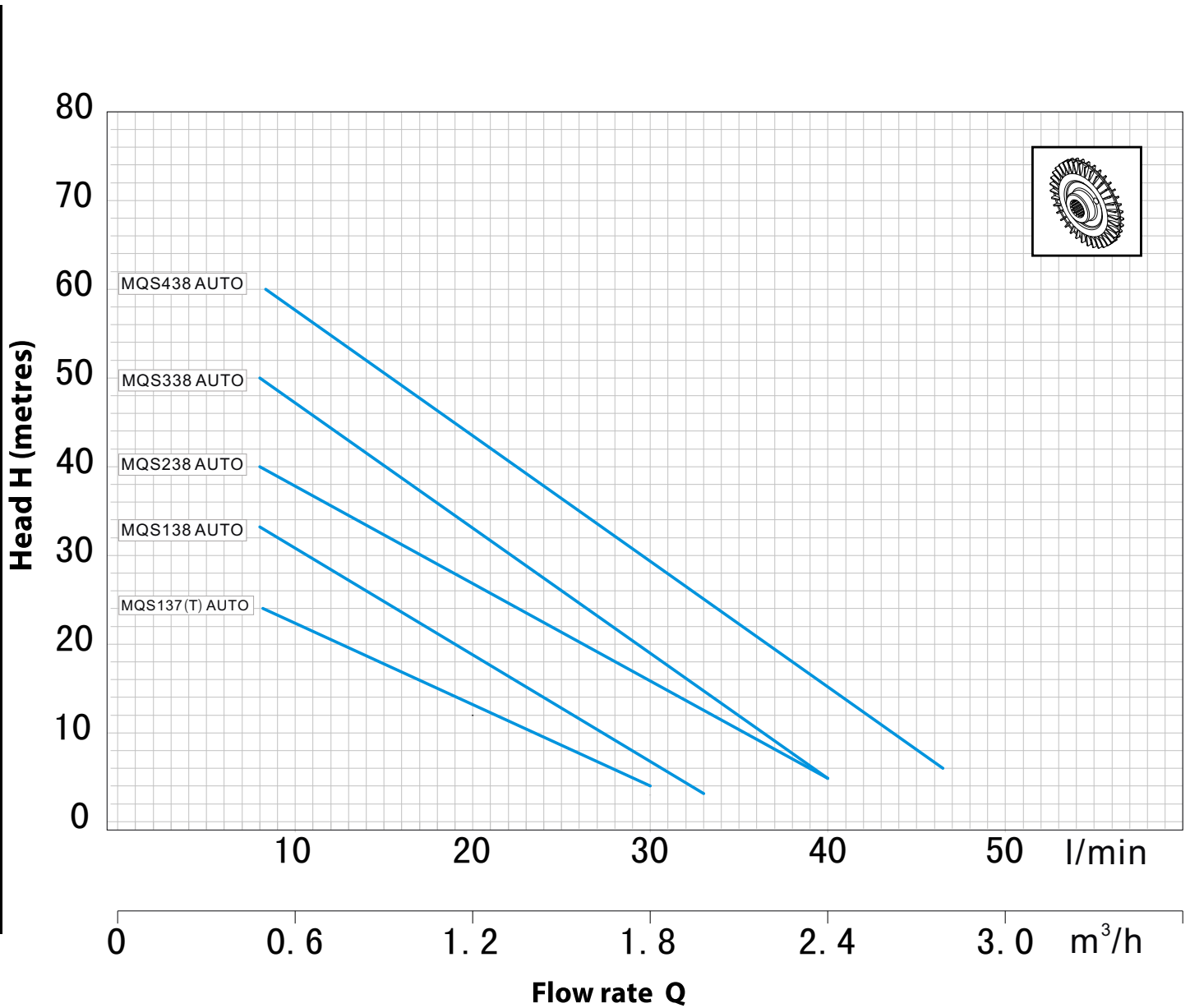
- Be used to delivery the clean water without the abrasive particles
- Be used to clean or cool the machine tools with high pressure
- Be used to pump the water for the industrial or house use from the well
- Be used to boost the water in pressurization system

### Warranty

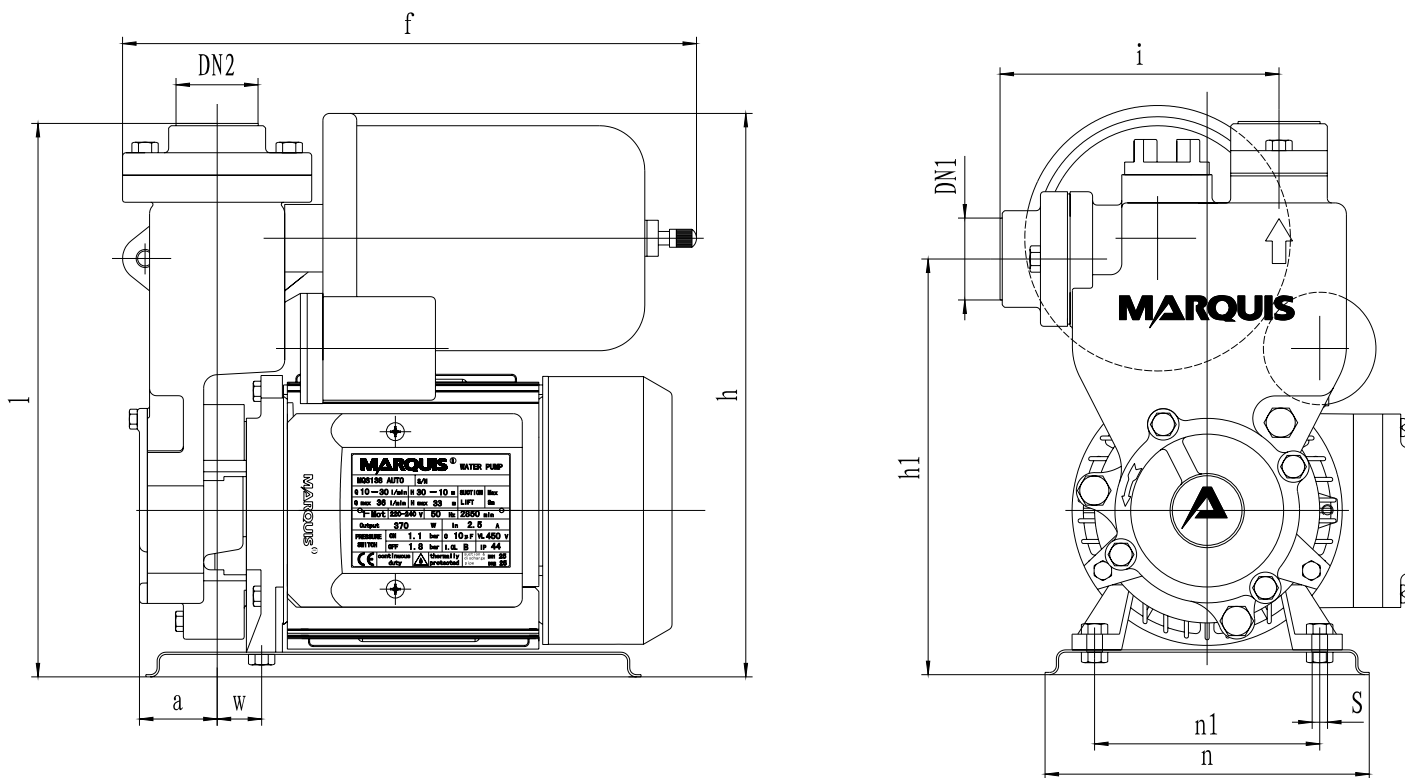
- 2 years subject to terms and conditions

**CHARACTERISTIC CURVES AND PERFORMANCE DATA**

**50 Hz n=2850 rpm Hs=0 m**



Model		Power		Q	H										
Single-phase	Three-phase	KW	HP		m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
				l/min	0	5	10	15	20	25	30	35	40	45	
MQS137 AUTO	-	0.25	0.33	H m	24	20	15	10	6	3	2				
MQS137T AUTO		0.25	0.33		24	20	15	10	6	3	2				
MQS138 AUTO	-	0.37	0.50		33	26	22	17	12	7	4	2			
MQS238 AUTO	-	0.45	0.60		40	37	33	28	22	18	13	9	5		
MQS338 AUTO	-	0.55	0.75		50	44	39	33	29	22	16	11	5		
MQS438 AUTO	-	0.75	1		60	53	46	39	33	26	20	15	10	6	

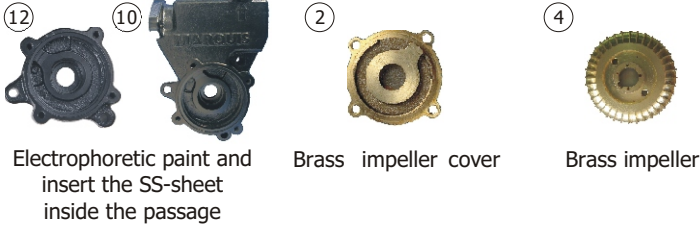


Model		Openings		Dimensions(mm)									
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	i	l	n	n1	w	s
MQS137 AUTO	-	1"	1"	35	255	251	183	124	245	144	108	38	7
MQS137T AUTO		1"	1"	35	255	251	183	124	245	144	108	38	7
MQS138 AUTO	-	1"	1"	35	255	251	183	124	245	144	108	38	7
MQS238 AUTO	-	1"	1"	42.5	273	272	200	145	263	144	110	60.5	7
MQS338 AUTO	-	1"	1"	42.5	273	272	189	145	263	144	110	60.5	7
MQS438AUTO	-	1"	1"	45	275	272	189	145	263	144	110	60.5	7

Model	Piece	GW(kg)	NW(kg)	Volume(m <sup>3</sup> )	L(cm)	W(cm)	H(cm)
MQS137 AUTO	1	9	8.6	0.016	28.0	20.5	28.0
MQS137T AUTO	1	9	8.6	0.016	28.0	20.5	28.0
MQS138 AUTO	1	9.3	8.9	0.020	28.0	25.0	28.0
MQS238 AUTO	1	12.3	11.8	0.020	30.0	23.0	29.0
MQS338 AUTO	1	13.3	12.8	0.020	30.0	23.0	29.0
MQS438AUTO	1	14.8	14.3	0.023	30.00	23.00	33.00

**POS. COMPONENT**

**ADVANTAGE**



Electrophoretic paint and insert the SS-sheet inside the passage

Brass impeller cover

Brass impeller

- Anti-rust system
- a. Use electrophoretic paint to prevent rust or jam
- b. To provide cleaner water
- c. To ensure long using-life



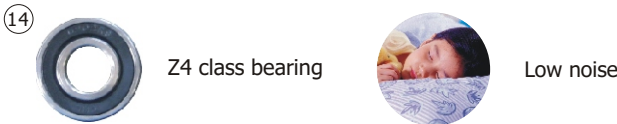
Thermostability Capacitor

- Thermostability system
- a. Capacitor with 85°C high temperature film
- b. Can be used under sun exposure
- c. Can be used under high temperature environment



Rotor with shaft (Stainless steel shaft)

- Powerful motor system
- a. To ensure the high power and lowest temperature rise
- b. Using thermal protection device to protect the motor
- c. Big flow and long using-life
- d. Wide voltage rang design motor can be used under 170 - 250 V



Z4 class bearing

Low noise

- Low noise system
- a. Using Z4 class bearing to ensure lowest noise
- b. To ensure long using-life

