



### Limits of use

- Ambient temperature: Up to +40°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

- The special design on this pump casing and impeller to assure relatively high flow.
- Little adjustment on the motor and impeller to make more choice and economy for the end-user .
- Widely voltage range 180-240V design to be suitable for irrigation specially.
- Equipped with flanges with screw thread to make the connection very easily .

### Application

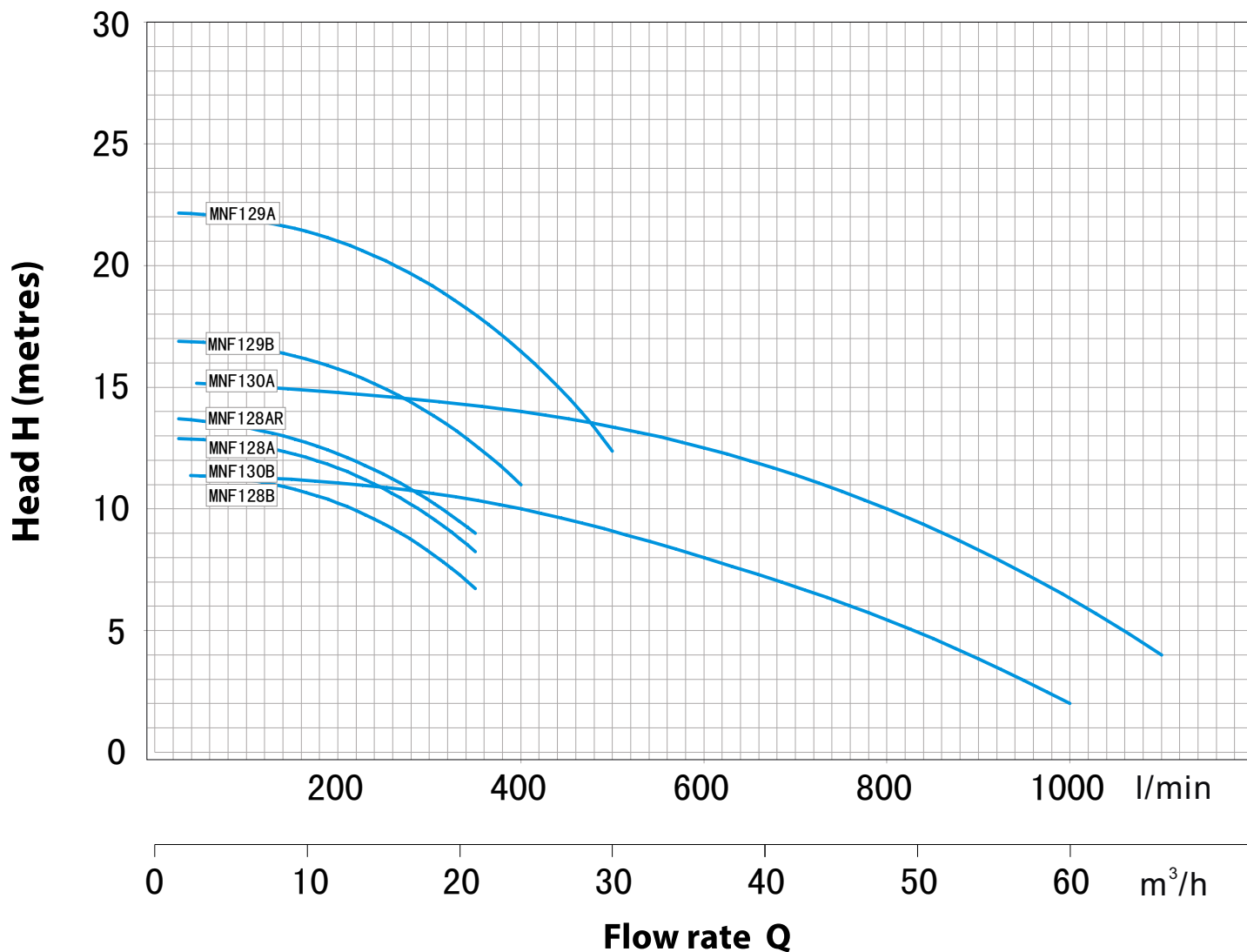
- Be used to delivery the clean water without the abrasive particles
- Be used to clean or cool the machine tools with high pressure
- Be used to pump the water for the industrial or house use from the well
- Be used to boost the water in pressurization system
  
- The high flow centrifugal pump is widely used for cold/hot water circulating and pressure boosting in many fields (chemical industry, petrochemical industry, military industry, pharmaceutical industry, nuclear power industry, ship building industry, textile industry, etc.) and systems (HVAC, firefighting system, urban water supply and drainage system, irrigation system for gardens, water boosting system in high-rise buildings, etc.). From this point of view, it is also known as firefighting pump, irrigation pump or water circulation pump.

### Warranty

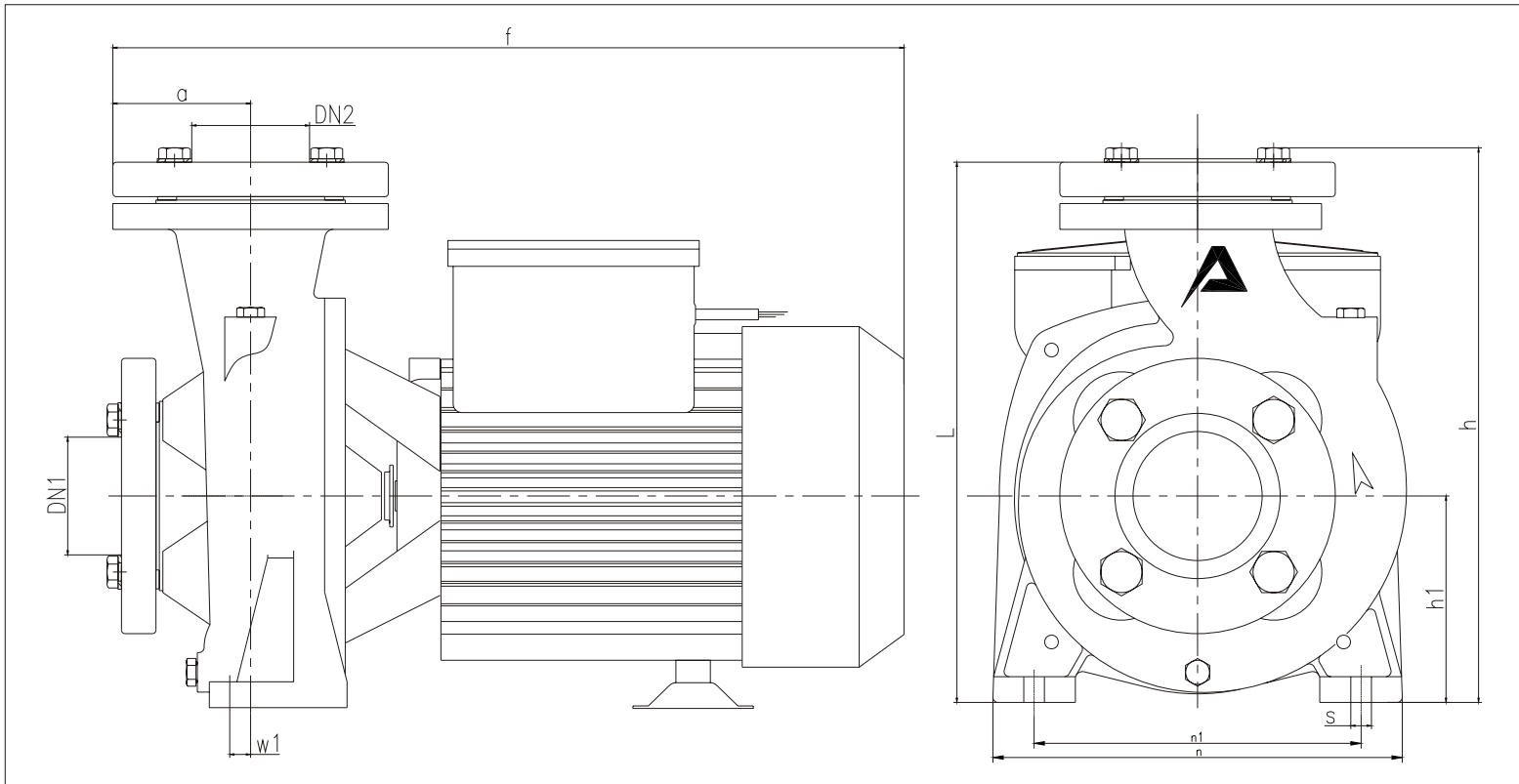
- 2 years subject to terms and conditions

**CHARACTERISTIC CURVES AND PERFORMANCE DATA**

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

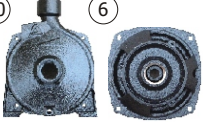







Model		Power		Q	Flow rate Q															
Single-phase	Three-phase	KW	HP		m³/h	0	6	9	12	15	18	21	24	30	36	42	48	54		
					l/min	0	100	150	200	250	300	350	400	500	600	700	800	900		
MNF128B	MN128B	0.6	0.85	H m	11.3	11.2	10.9	10.2	9.4	8.1	6.8									
MNF128A	MN128AR	0.75	1		12.9	12.8	12.2	11.8	10.9	9.8	8.2									
MNF128AR	MN128AR	1.1	1.5		13.8	13.3	12.9	12.2	11.4	10.3	9									
MNF129B	MN129B	1.1	1.5		16.9	16.7	16.2	15.8	15	13.9	12.5	11								
MNF129A	MN129A	1.5	2		22.1	21.9	21.5	21	20.2	19.2	18	16.5	12.4							
MNF130B	MN130B	1.5	2		11.3	11.3	11.2	11.1	10.9	10.8	10.3	10	9.1	8	6.8	5.5	3.9			
MNF130A	MN130A	2.2	3		15.2	15.1	14.9	14.8	14.6	14.5	14.2	14	13.4	12.5	11.4	10	8.2			



Model		Openings		Dimensions(mm)								
Single-phase	Three-phase	DN1	DN2	a	f	h	h1	l	n	n1	w	s
MNF128B	MN128B	2"	2"	65	330	250	92	242	192	152	16	10
MNF128A	MN128AR	2"	2"	65	330	250	92	242	192	152	16	10
MNF128AR	MN128AR	2"	2"	65	330	250	92	242	192	152	16	10
MNF129B	MN129B	2"	2"	56	374	276	110	263	206	160	14	12
MNF129A	MN129A	2"	2"	56	374	276	110	263	206	160	14	12
MNF130B	MN130B	3"	3"	80	460	322	123	317	238	190	12	12
MNF130A	MN130A	3"	3"	80	411	322	123	317	238	190	12	12

Model	Piece	GW(kg)	NW(kg)	Volume(m <sup>3</sup> )	L(cm)	W(cm)	H(cm)
MNF128B	1	22.8	19.8	0.027	40.2	22.8	29.8
MNF128A	1	21.3	18.3	0.027	40.2	22.8	29.8
MNF128AR	1	21.3	18.3	0.027	40.2	22.8	29.8
MNF129B	1	26.3	23.3	0.027	40.2	22.8	29.8
MNF129A	1	29.0	26	0.027	40.2	22.8	29.8
MNF130B	1	37.4	34.4	0.044	45.7	28.3	34.0
MNF130A	1	42.2	40.2	0.049	50.5	28.3	34.0

POS. COMPONENT	ADVANTAGE
<p>                        10      6                      Electrophoretic paint pump casing and support                 </p> <p>                        8                      Brass impeller                 </p> <p>                        Stainless steel shaft                 </p>	<ul style="list-style-type: none"> <li>• <u>Anti-rust system</u></li> <li>a. Use electrophoretic paint to prevent rust or jam</li> <li>b. To provide cleaner water</li> <li>c. To ensure long using-life</li> </ul>
<p>                        30                      Thermostability Capacitor                 </p>	<ul style="list-style-type: none"> <li>• <u>Thermostability system</u></li> <li>a. Capacitor with 85°C high temperature film</li> <li>b. Can be used under sun exposure</li> <li>c. Can be used under high temperature environment</li> </ul>
<p>                        14                      85mm Rotor with shaft (stainless steel shaft)                 </p>	<ul style="list-style-type: none"> <li>• <u>Powerful motor system</u></li> <li>a. To ensure the high power and lowest temperature rise</li> <li>b. Using thermal protection device to protect the motor</li> <li>c. Big flow and long using-life</li> <li>d. Wide voltage rang design motor can be used under 170 - 250 V</li> </ul>
<p>                        12                      Z4 class bearing                 </p>	<ul style="list-style-type: none"> <li>• <u>Low noise system</u></li> <li>a. Using Z4 class bearing to ensure lowest noise</li> <li>b. To ensure long using-life</li> </ul>

## MARQUIS Typical Water Supply System

*It is strongly recommended to use this pump together with MARQUIS EC to control your water supply easily.*

