

# AMOE SERIES

## Self-priming Peripheral Inverter Pump



Under the philosophy of innovation and people orientation, IRCEM provides AMOE series self-priming peripheral inverter pump, characterized by energy saving, constant pressure, intelligent, low noise, short suction time, and higher head.

Consistent with international standards and market requirements, All IRCEM self-priming pumps are produced by automatic assembly line. Severe online testing equipments ensure quality, high efficiency performance and durability.

### ■ APPLICATION

- ◆ Domestic household
- ◆ Animal feeding
- ◆ Garden irrigation

### ■ WORKING CONDITIONS

- ◆ Single-phase: 0,75kW, 220V 50Hz
- ◆ Solid content of pumped liquid on volume:  $\leq 0,1\%$
- ◆ Pumped liquid PH: 6,5~8,5
- ◆ Pumped liquid temperature:  $\leq 40^{\circ}\text{C}$

### ■ CONSTRUCTION & CHARACTERISTICS

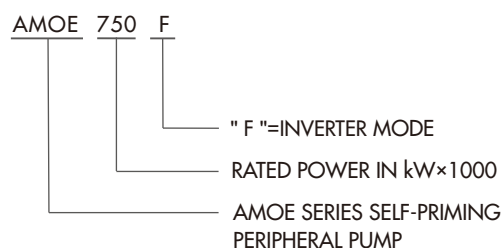
- ◆ Non-magnetic electronic pressure sensor ensures rapid reaction and long service life
- ◆ Specified inverter for pump, touch control, guarantees full protection
- ◆ Durable brass impeller and stainless steel rotor
- ◆ Fixed impeller
- ◆ Direct connection between pump and motor
- ◆ Aluminum alloy motor casing
- ◆ Anti-rust electrophoresis processed pump body

### ■ SPECIFIC FUNCTION

- ◆ Water lack protection: In case of no water, pump is designed to run for 3 minutes, then stop for protection
- ◆ Leakage protection: Pump is designed to still run in the event of leakage, with status LED on
- ◆ Stuck protection: Pump is designed for timing start in case of long period stopping to prevent impeller from getting stuck
- ◆ Over voltage protection: Pump is designed to stop under voltage higher than 280V, auto restart till voltage back to 260V
- ◆ Under voltage protection: Pump is designed to stop under voltage lower than 130V, auto restart till voltage back to 180V
- ◆ Over load protection: Pump is designed to stop against over load(temperature higher than  $125^{\circ}\text{C}$ )
- ◆ Rotor locked protection: Pump is designed to stop against failure such as impeller stuck
- ◆ Phase loss protection: Pump is designed to stop in case of phase loss
- ◆ Lightning protection: Pump can be protected against lightning due to anti-lighting voltage dependent resistor

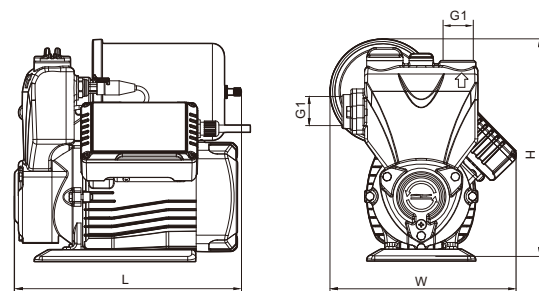


### ■ IDENTIFICATION CODE



Example: AMOE750F

AMOE series self-priming peripheral inverter pump, rated power 0,75kW.

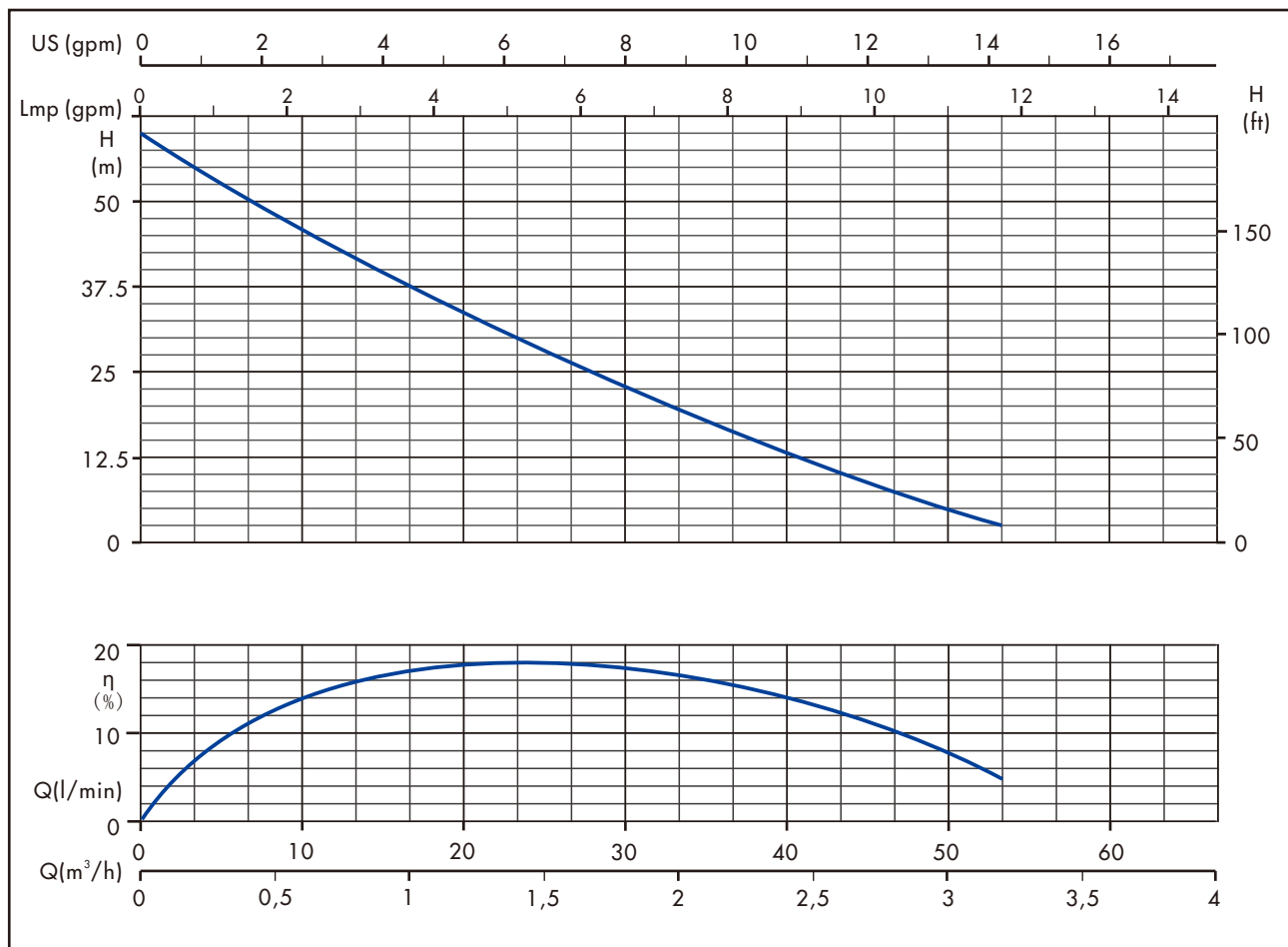


Model	Dimension(mm)		
	L	W	H
AMOE750F	278	230	268

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### ■ OPERATING CHARACTERISTICS AT 50Hz, 2850 r.p.m.



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Model	Power (kW)	Voltage (V)	Q											
			l/min 0	5	10	15	20	25	30	35	40	45	50	
			m³/h 0	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3	
H(m)														
AMOE750F	0,75	220	60	53	46	40	34	28	23	18	13	8	3	

### ■ PARAMETER AT 50Hz, 2850 r.p.m.

Model	Power (kW)	Voltage (V)	Current (A)	Max head (m)	Max suction head (m)	Max flow rate (m³/h)	Pipe dia (mm)	Net weight (kg)	Gross weight (kg)	Package dimension (mm)
AMOE750F	0,75	220	5,15	50	9	3,2	20	12,6	13,1	320×270×330