



# OPTIMA

## SUBMERSIBLE ELECTRIC PUMPS

in AISI 304 stainless steel



Submersible electric pumps for clear water with hydraulic equipment in AISI 304 stainless steel.

### APPLICATIONS

- Draining wells, garages, cellars or other flooded enclosed areas
- Irrigation for gardens and vegetable gardens
- Handling infiltration water or drainage of unloaded water

### TECHNICAL FEATURES

- Mechanical seal as standard supply
- Reliable, corrosion resistant
- Highly versatile
- Suited to fixed and mobile installations
- Equipped with 5 m power cable (H05 RN-F) for use indoors (10 m for outdoors applications), with/without float switch

### TECHNICAL DATA

- Maximum submersion: 5 m
- Maximum fluid temperature: 50°C
- Maximum solid dimensions: 10 mm
- 2 pole asynchronous motor
- Insulation class F
- Protection rating IP68
- Single phase voltage 230V ±10% 50 Hz,
- Delivery connection G1¼

### MATERIALS

- Pump body, suction grille, gasket disk and motor casing in AISI 304 stainless steel
- Impeller in PPE + PS reinforced with glass fibre
- Shaft made of AISI 303 stainless steel
- Standard mechanical seal (Carbon/ceramic/NBR)

### SPECIAL VERSIONS

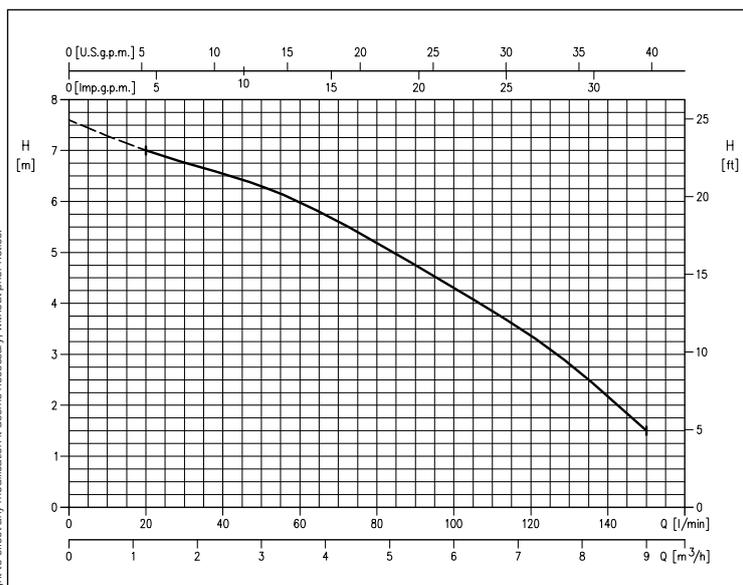
- MS version with MS vertical magnetic float switch (Magnetic Switch) and reduced footprint for clean water
- MA version with float switch

### ACCESSORIES (on request)

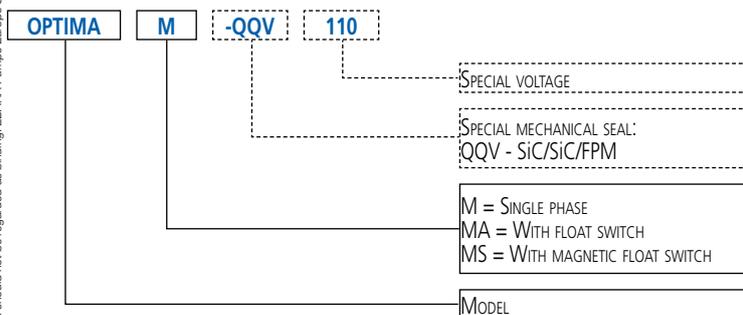
- Hose connection 1"¼ with hose clamp
- Minimum suction device to 3 mm

For accessories and electrical enclosures, see page 151 onwards

### PERFORMANCE CURVE (per ISO 9906 Annex A)



### IDENTIFICATION CODE



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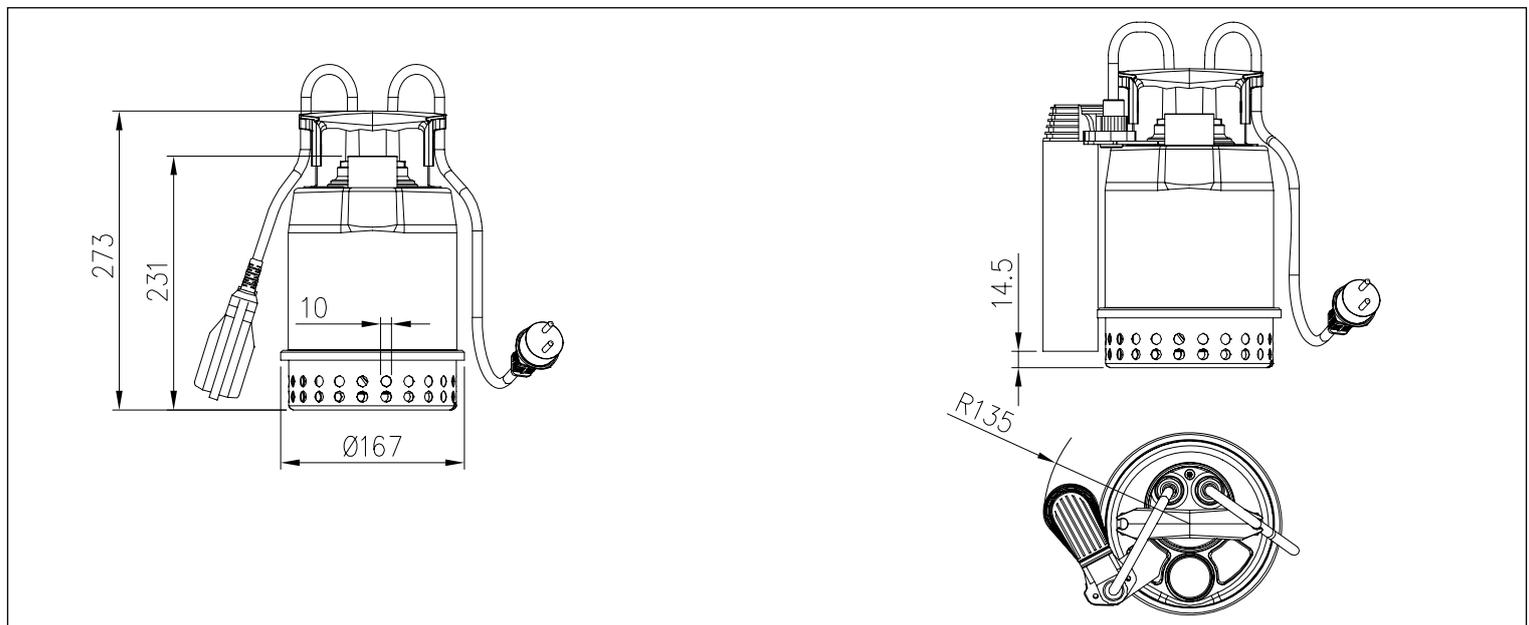
### PERFORMANCE TABLE

Model	P.		Capacitor		Abs. Curr. [A]	Q=Flow rate						Weight [kg]
	[HP]	[kW]	$\mu$ F	Vc		l/min m <sup>3</sup> /h	20 1.2	50 3	75 4.5	100 6	125 7.5	
OPTIMA M	0.33	0.25	8	450	1.9	7.0	6.3	5.4	4.3	3.1	1.5	4.2
OPTIMA MA	0.33	0.25	8	450	1.9	7.0	6.3	5.4	4.3	3.1	1.5	4.4
OPTIMA MS	0.33	0.25	8	450	1.9	7.0	6.3	5.4	4.3	3.1	1.5	4.6

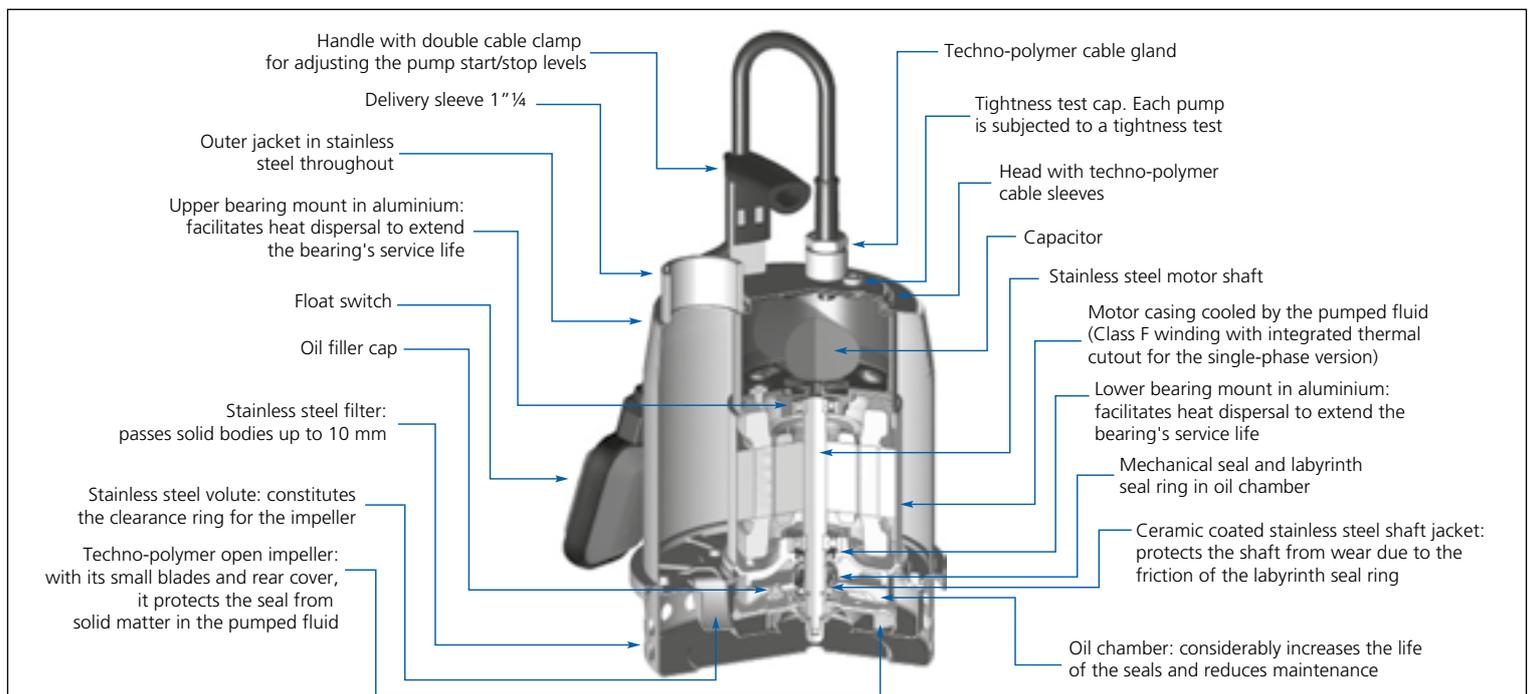
### DIMENSIONS

OPTIMA MA

OPTIMA MS



### SECTIONAL VIEW



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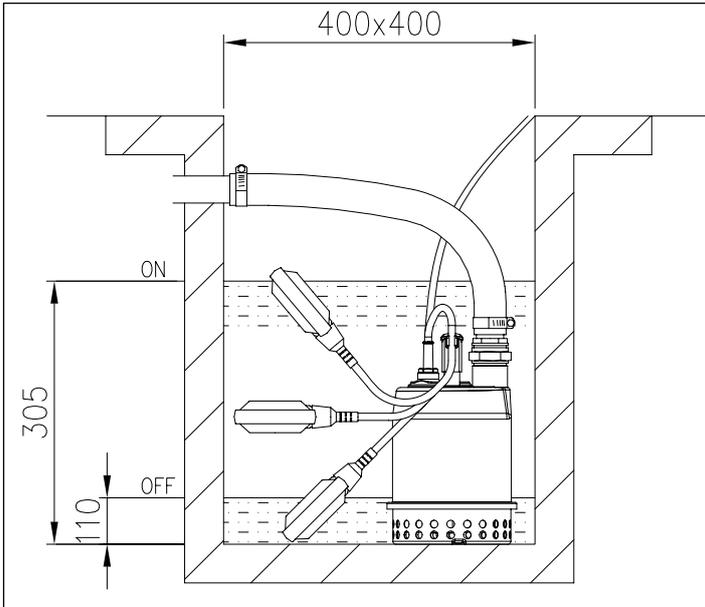
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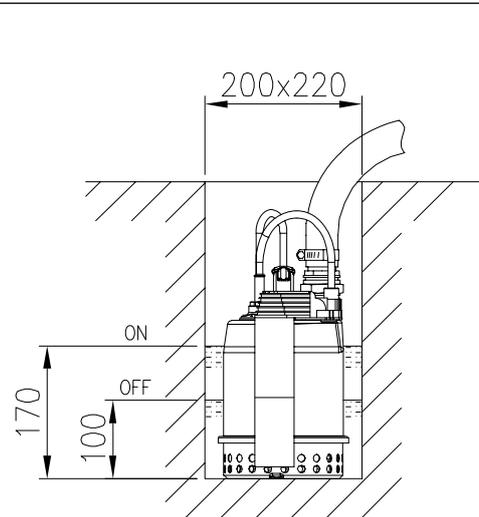
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### INSTALLATION

OPTIMA MA



OPTIMA MS



### OPTIONAL

#### MINIMUM SUCTION DEVICE



The minimum suction device draws the fluid up by as much as 3 mm from the ground (starting from at least 10 mm).

It pressure mounts to the OPTIMA.  
The automatic operation of the pump with float switch prevents it from drawing the fluid up to 3 mm.