

# Vortex impeller



**POMA** 1-phase  
50Hz

## Specifications:

| Model | Colour code curve | Bore mm | Power output kW | Phases | r.p.m. | Head max. m | Capacity max. l/min | Starting method | Dry weight kg without cable | Impeller passage mm |
|-------|-------------------|---------|-----------------|--------|--------|-------------|---------------------|-----------------|-----------------------------|---------------------|
| POMA  | ● 1               | 50      | 0,15            | 1      | 2850   | 5,7         | 190                 | condensor       | 6,6                         | 35                  |



|                      |                             |                       |                                 |
|----------------------|-----------------------------|-----------------------|---------------------------------|
| ø Discharge bore mm  |                             | 50mm                  |                                 |
| Pumping Fluid        | Temperature                 | 0-40°C                |                                 |
|                      | Type of Fluid               | Domestic sewage       |                                 |
| Pump                 | Components                  | Impeller              | Vortex impeller                 |
|                      |                             | Shaft Seal            | Double mechanical seal          |
|                      |                             | Bearings              | Shielded ball bearings          |
|                      | Material                    | Impeller              | Glass fibre reinforced plastic  |
|                      |                             | Upper casing          | Glass fibre reinforced plastic  |
|                      |                             | Lower casing          | Plastic                         |
| Shaft Seal           | Silicon carbide in oil bath |                       |                                 |
| Motor                | Type, Poles                 |                       | Induction motor, 2 poles, IP68  |
|                      | Lubrication                 |                       | Turbine oil (ISO VG32)          |
|                      | Insulation                  |                       | Insulation class E              |
|                      | Motor Protector (built-in)  |                       | Circle thermal cut-out          |
|                      | Phase / Voltage             |                       | Single phase 230V / 110V / 50Hz |
|                      | Material                    | Casing                | Stainless steel EN-X5CrNi18-10  |
|                      |                             | Shaft                 | Stainless steel EN-X6Cr13       |
| Cable                |                             | Rubber, 10m H07RN-F   |                                 |
| Discharge Connection |                             | Inside thread, flange |                                 |

