

1HME05S03M02VBE

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

| | | | |
|---------------------------|---------------------|---------------------------|--------------------------|
| Pumpe type | Single head pump | Fluid | Water, pure |
| No. of pumps / Reserve | 1 / 0 | Operating temperature t A | °C 4 |
| Nominal flow | m ³ /h 0 | pH-value at t A | 7 |
| Nominal head | m 0 | Density at t A | kg/m ³ 1000 |
| Static head | m 0 | Kin. viscosity at t A | mm ² /s 1.569 |
| Inlet pressure | kPa 0 | Vapor pressure at t A | kPa 100 |
| Environmental temperature | °C 20 | Solids | 0 |
| Available system NPSH | m 0 | Altitude | m 0 |

Pump data

| | | | |
|-----------------------|----------------|------------------------------------|----------------------------|
| Make | Lowara | Nominal | m ³ /h () |
| Speed | rpm 2900 | Flow | Max- m ³ /h 2.8 |
| Number of stages | 5 | | Min- m ³ /h .8 |
| Max. casing pressure | kPa | Nominal | m |
| Max. working pressure | kPa 441.5 | Head | at Qmax m 19 |
| Head H(Q=0) | m 45 | | at Qmin m 45.4 |
| Weight | kg 10 | Shaft power | kW () |
| | Max. mm 73 | Max. shaft power | kW .4 |
| Impeller R | designed mm 73 | Efficiency (Hydraulic+Motor+Drive) | % |
| | Min. mm 73 | NPSH 3% | m |

Pump Materials

| | |
|--------------------|---------------------|
| Adapter | Aluminium |
| Bolts and screws | Stainless steel |
| Diffuser | Stainless steel |
| Fill / drain plugs | Stainless steel |
| Impeller | Stainless steel 304 |
| Pump body | Stainless steel |
| SEAL HOUSING | Stainless steel |
| Shaft | Stainless steel |
| Wear ring | Technopolymer |

Shaft Seal

| | |
|-------------------|----------------------------|
| Mechanical Seal | Roten |
| HM - uniten | |
| Rotating Assembly | V-Ceramic |
| Fixed Assembly | B-Resin impregnated carbon |
| Elastomers | E - EPDM |
| Springs | G-AISI 316 |
| Other Components | G-AISI 316 |

Motor data

| | | | | | | | |
|-----------------|-------------------------|----------------------|--------|------------|----------|------------------|----------|
| Manufacturer | Lowara | Electric voltage | 208 V | Speed | 3600 rpm | Insulation class | F |
| Specific design | Single phase e-SM motor | | | Frame size | 80 | Colour | RAL 5010 |
| Type | ESM80/103 HM | Electric current | 2.28 A | | | | |
| Rated power | 0.37 kW | Degree of protection | IP 55 | | | | |

Remarks:

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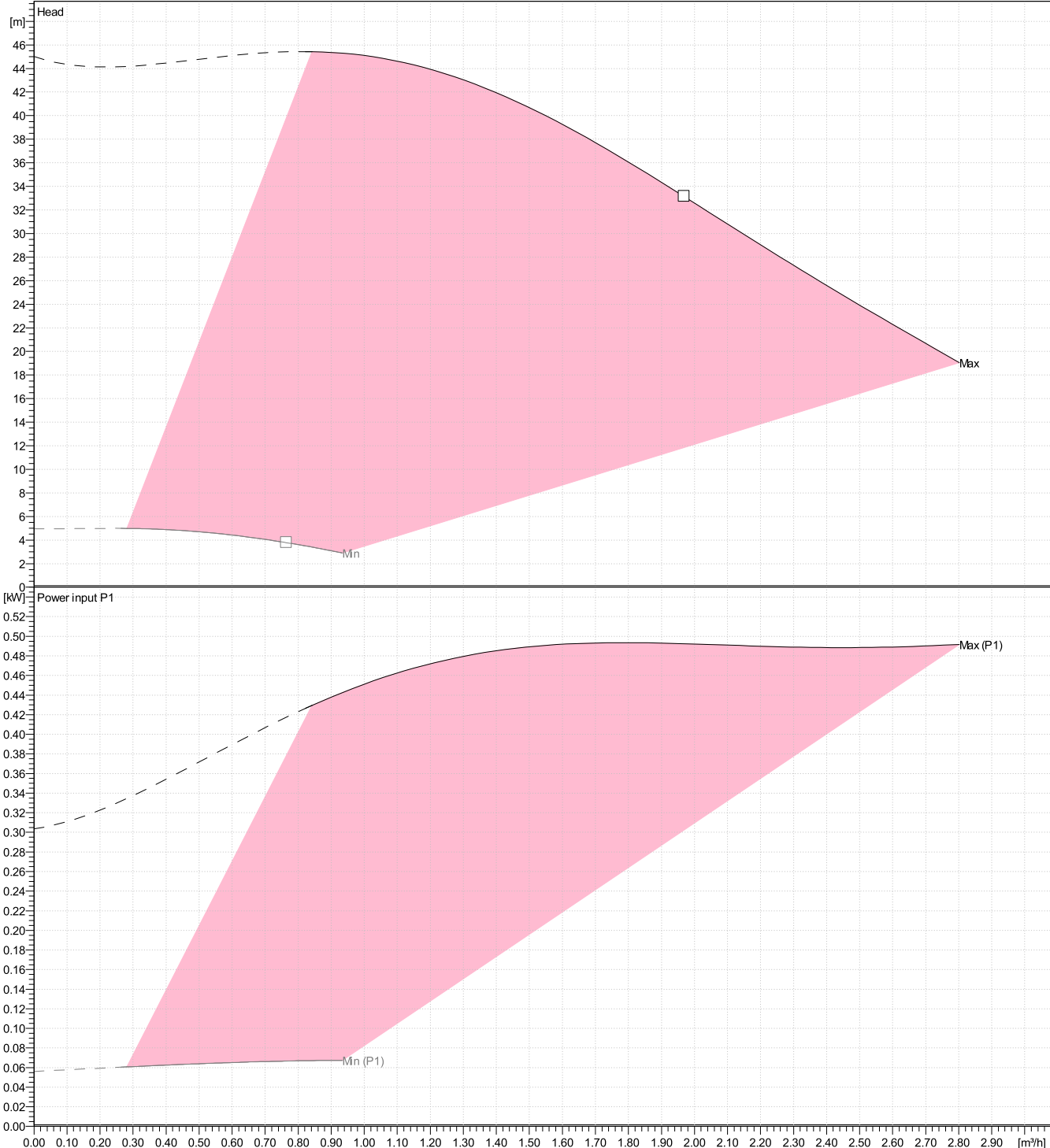
Performance curve

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Hydraulic data

| Operating Data Specification | | Hydraulic data (duty point) | | Impeller design | |
|------------------------------|---------------------|-----------------------------|--|-----------------|----------|
| Flow | 0 m ³ /h | Flow | | Impeller R | 73 mm |
| Head | 0 m | Head | | Frequency | 50 Hz |
| Static head | 0 m | | | Speed | 2900 rpm |

Power datas referred to:
Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s
Performance according to ISO 9906:2012 – Grade 3B

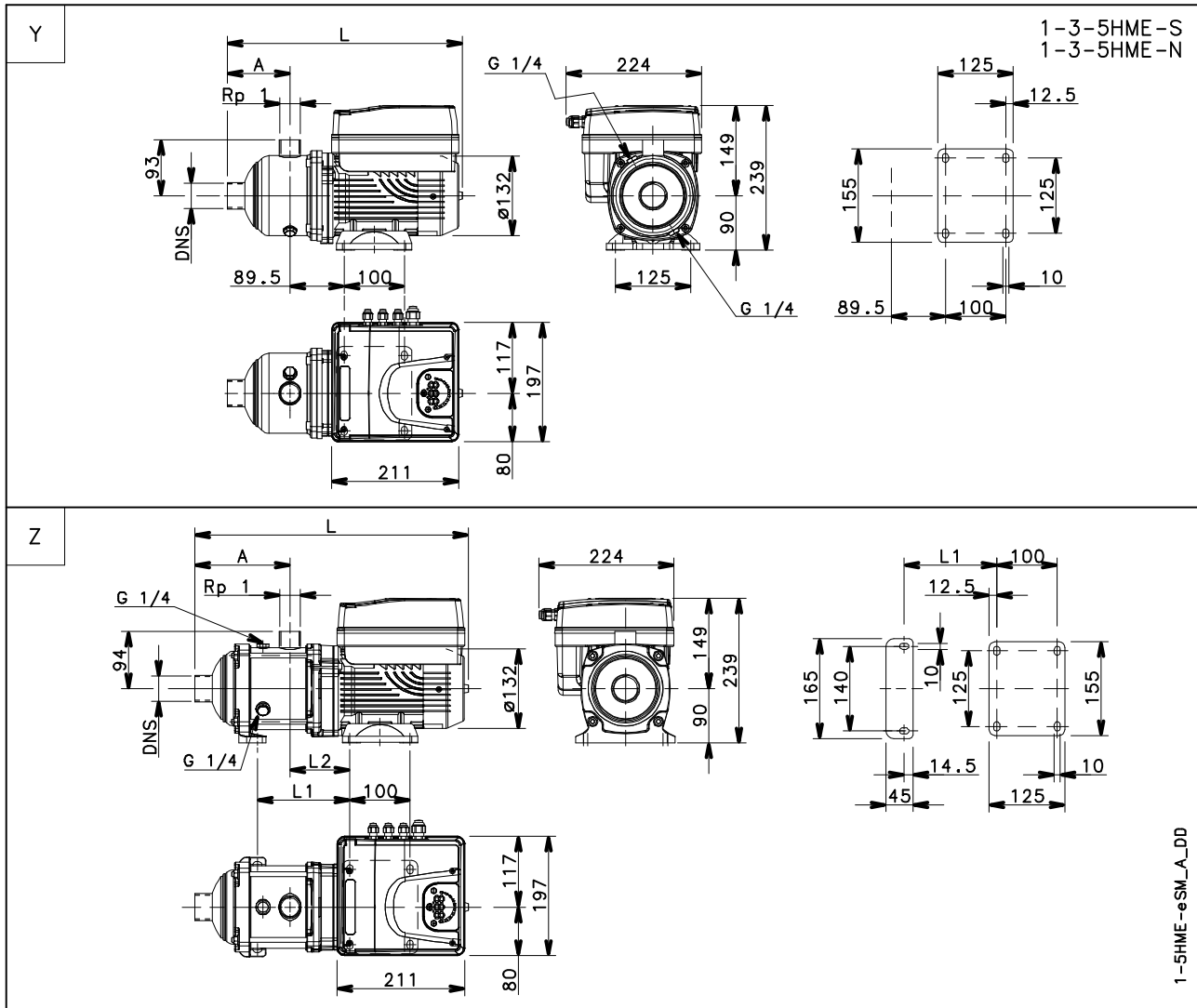


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Dimensions

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Drawing



Dimensions mm

| | | | | | | |
|---------|------|--|--|--|--|-----------------|
| A | 127 | | | | | Weight 10 kg |
| DNS | Rp 1 | | | | | |
| Drawing | Y | | | | | |
| L | 414 | | | | | |
| PN | 10 | | | | | |