

# 1HM06S05T6PVBE

## Technical data

Company name  
Contact  
Phone number  
e-mail address

### Operating data

|                           |                  |                           |                |
|---------------------------|------------------|---------------------------|----------------|
| Pump type                 | Single head pump | Fluid                     | Water          |
| Available system NPSH     | ft 0             | Operating temperature t A | °F 39.2        |
| Nominal flow              | US g.p.m. 0      | pH-value at t A           | 7              |
| Nominal head              | ft 0             | Density at t A            | lb/ft³ 62.4    |
| Static head               | ft 0             | Kin. viscosity at t A     | ft²/s 1.689E-5 |
| Inlet pressure            | psi 0            | Vapor pressure at t A     | psi 14.5       |
| Environmental temperature | °F 68            | Solids                    | 0              |
|                           |                  | Altitude                  | ft 0           |

### Pump data

|                       |                     |                  |                |
|-----------------------|---------------------|------------------|----------------|
| Make                  | Lowara              | Nominal          | US g.p.m. ( )  |
| Speed                 | rpm 2900            | Max-             | US g.p.m. 12.3 |
| Number of stages      | 6                   | Min-             | US g.p.m.      |
| Max. casing pressure  | psi                 | Nominal          | ft             |
| Max. working pressure | psi 71.5            | Head at Qmax     | ft 80.2        |
| Head H(Q=0)           | ft 160              | Head at Qmin     | ft 164.9       |
| Weight                | lb 18               | Shaft power      | hp ( )         |
|                       | Max. inch 2 7/8     | Max. shaft power | hp .6          |
| Impeller R            | designed inch 2 7/8 | Efficiency       | %              |
|                       | Min. inch 2 7/8     | NPSH 3%          | ft             |

### Pump Materials

|                    |                            |
|--------------------|----------------------------|
| Pump body          | Stainless steel / AISI 304 |
| Impeller           | Stainless steel / AISI 304 |
| Diffuser           | Stainless steel / AISI 304 |
| Shaft              | Stainless steel / AISI 316 |
| Adapter            | Aluminium                  |
| SEAL HOUSING       | Stainless steel / AISI 304 |
| Fill / drain plugs | Stainless steel / AISI 316 |
| Wear ring          | Technopolymer              |
| Bolts and screws   | Stainless steel / AISI 304 |

### Shaft Seal

|                      |                           |
|----------------------|---------------------------|
| e-HM Mechanical seal | Roten                     |
| e-HM - Roten         |                           |
| 1 - Rotating part    | Aluminium oxide (Ceramic) |
| 2 - Stationary part  | Carbon, resin-impregnated |
| 3 - Elastomers       | EPDM                      |
| 4 - Springs          | AISI 316                  |
| 5 - Other components | AISI 316                  |

### Motor data

|                  |                      |                      |       |            |          |                  |          |
|------------------|----------------------|----------------------|-------|------------|----------|------------------|----------|
| Manufacturer     | Lowara               | Electric voltage     | 220 V | Speed      | 3220 rpm | Insulation class | F        |
| Specific design  | IE2 3ph Flange Motor |                      |       | Frame size | 63       | Colour           | RAL 5010 |
| Type             | SM63HM/305 E2        |                      |       |            |          |                  |          |
| Rated power      | 0.67051 hp           | Degree of protection | IP55  |            |          |                  |          |
| Electric current | 2.15 A               |                      |       |            |          |                  |          |

### Remarks:

## 1HM06S05T6PVBE

### Performance curve

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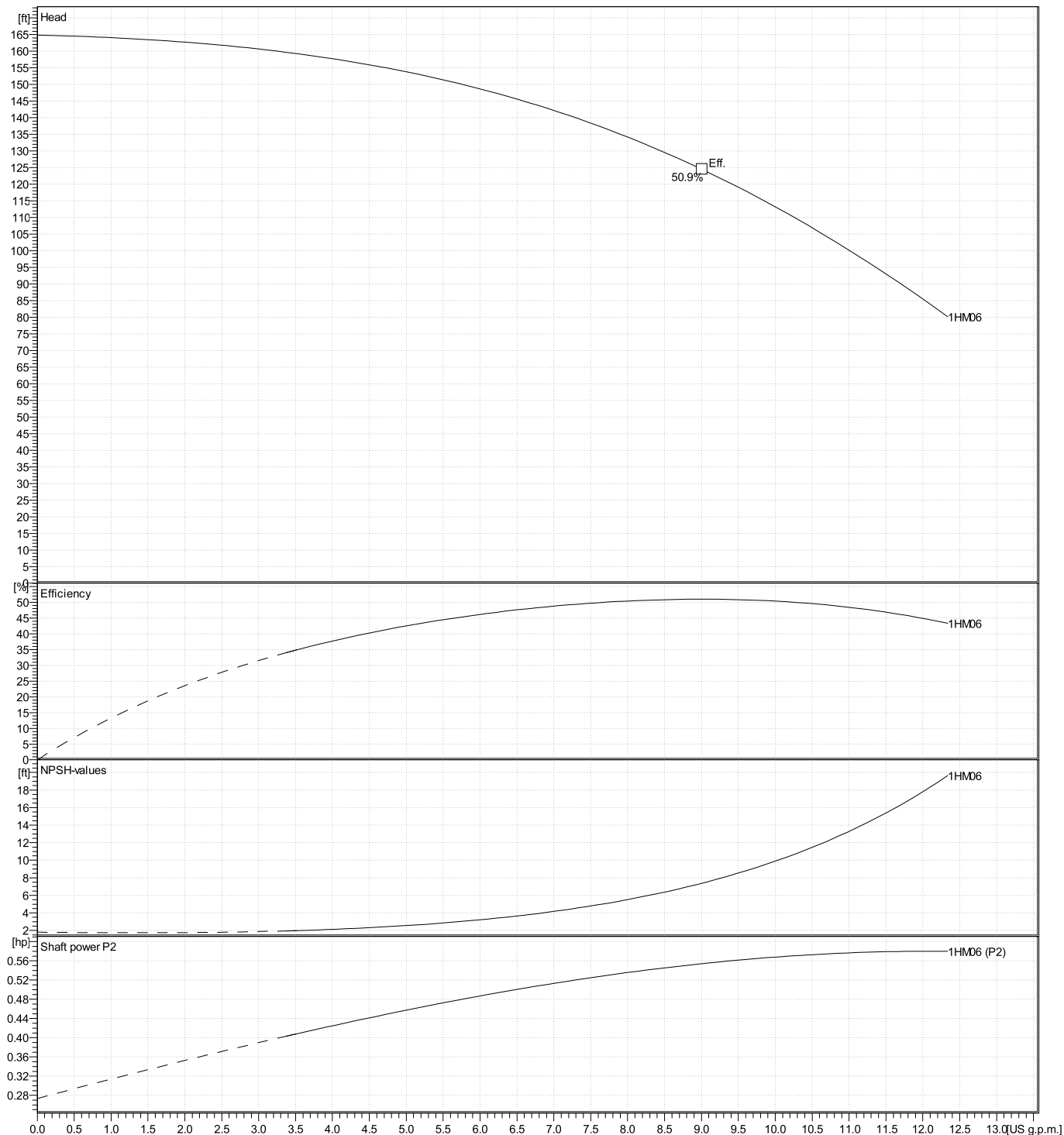
#### Hydraulic data

| Operating Data Specification |             | Hydraulic data (duty point) | Impeller design |            |
|------------------------------|-------------|-----------------------------|-----------------|------------|
| Flow                         | 0 US g.p.m. | Flow                        | Impeller R      | 2 7/8 inch |
| Head                         | 0 ft        | Head                        | Frequency       | 60 Hz      |
| Static head                  | 0 ft        |                             | Speed           | 2900 rpm   |

#### Power datas referred to:

Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

Performance according to ISO 9906:2012 – Grade 3B



**Project** Xylect-20071102  
**Block** 1HM06S05T6PVBE

**Created by**  
**Created on** 1/19/2025

**Last update** 1/19/2025

Page 2 / 3

Program version  
75.0 - 06/11/2024 (Build 274)

Data version  
18/01/2025 09:55

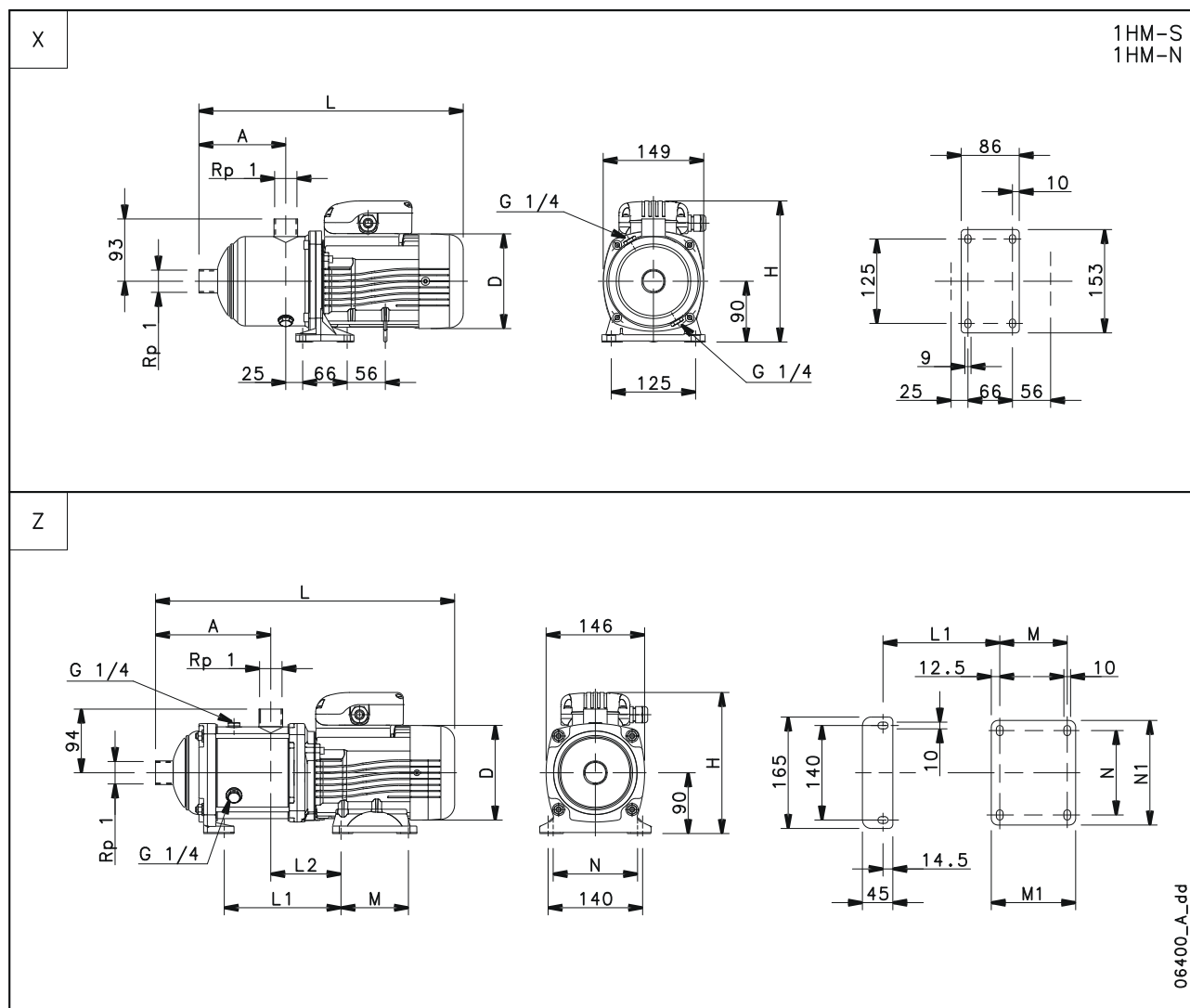
User group(s)  
Xylem: United Kingdom - EXT

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## Dimensions

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### Drawing



### Dimensions inch

|         |                                 |  |  |  |  |        |
|---------|---------------------------------|--|--|--|--|--------|
| A       | 5 <sup>13</sup> / <sub>16</sub> |  |  |  |  | Weight |
| D       | 4 <sup>3</sup> / <sub>4</sub>   |  |  |  |  | 20 lb  |
| Drawing | X                               |  |  |  |  |        |
| H       | 7 <sup>15</sup> / <sub>16</sub> |  |  |  |  |        |
| L       | 15 <sup>9</sup> / <sub>16</sub> |  |  |  |  |        |
| PN      | 3/ <sub>8</sub>                 |  |  |  |  |        |