



|              |             |            |
|--------------|-------------|------------|
| Customer     | Date        | 04.11.2020 |
| Contact      | Project     |            |
| Phone number | Project no. |            |
| Email        |             |            |

## 1HM04N05T6PBQE

### Operating data

|                           |                  |                           |                             |
|---------------------------|------------------|---------------------------|-----------------------------|
| Pump type                 | Single head pump | Fluid                     | Water                       |
| No. of pumps / Reserve    | 1 / 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/ft <sup>3</sup> 62.4     |
| Static head               | ft 0             | Kin. viscosity at t A     | ft <sup>2</sup> /s 1.689E-5 |
| Inlet pressure            | psi 0            | Vapor pressure at t A     | psi 14.5                    |
| Environmental temperature | °F 68            | Solids                    | 0                           |
| Available system NPSH     | ft 0             | Altitude                  | ft 0                        |

### Pump data

|                       |          |                  |                     |
|-----------------------|----------|------------------|---------------------|
| Make                  | Goulds   | Nominal          | US g.p.m. ( )       |
| Speed                 | rpm 3500 | Flow             | Max- US g.p.m. 12.3 |
| No. of stages         | 4        |                  | Min- US g.p.m.      |
| Max. casing pressure  | psi      | Nominal          | ft                  |
| Max. working pressure | psi 47.5 | Head             | at Qmax ft 53.5     |
| Head H(Q=0)           | ft 110   |                  | at Qmin ft 109.5    |
| Weight                | lb 20    | Shaft power      | hp ( )              |
|                       |          | Max. shaft power | hp .4               |
|                       |          | Efficiency       | %                   |
|                       |          | NPSH 3%          | ft                  |

### Pump Materials

|                    |                     |
|--------------------|---------------------|
| Adapter            | Aluminium           |
| Bolts and screws   | Stainless steel     |
| Diffuser           | Stainless steel     |
| Fill / drain plugs | Stainless steel     |
| Impeller           | Stainless steel 316 |
| Pump Body          | Stainless steel     |
| Seal Housing       | Stainless steel     |
| Shaft              | Stainless steel     |
| Wear Ring          | Technopolymer (PPS) |

### Shaft Seal

|                  |                           |
|------------------|---------------------------|
| Rotating Part    | Silicon Carbide           |
| Stationary Part  | Carbon, resin-impregnated |
| Elastomers       | EPDM                      |
| Springs          | AISI 316                  |
| Other Components | AISI 316                  |

### Motor data

|                 |                               |                      |         |
|-----------------|-------------------------------|----------------------|---------|
| Specific design | IE3 Three phase surface motor |                      |         |
| Type            | SM71HM..A/UL305               |                      |         |
| Rated power     | 0.75 hp                       | Electric voltage     | 208 V   |
| Speed           | 3455 rpm                      | Electric current     | 2.64 A  |
| Frame size      | 56                            | Degree of protection | 55      |
| Colour          | RAL 5010                      | Insulation class     | 155 (F) |



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## 1HM04N05T6PBQE

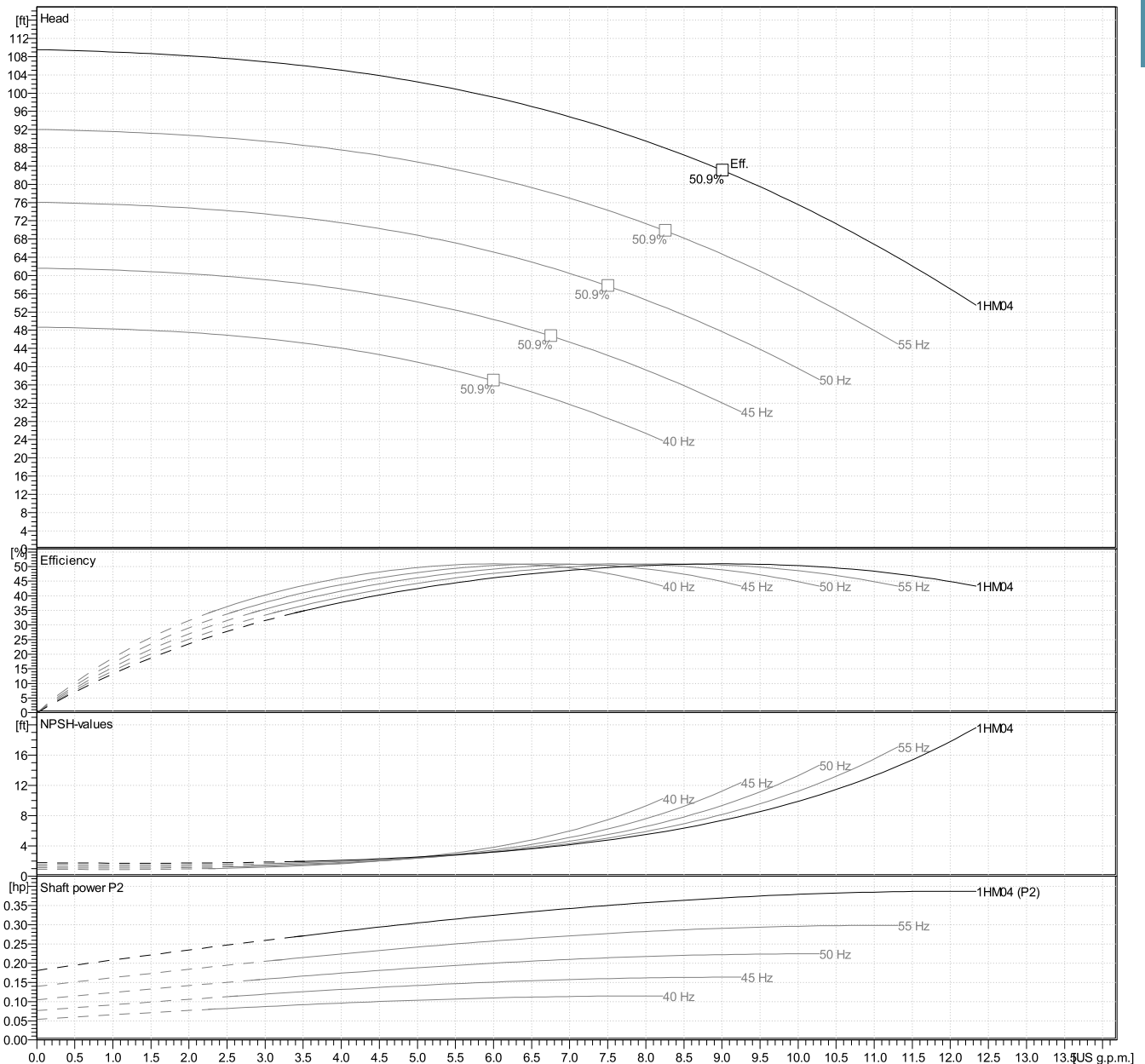
### Hydraulic Data

| Operating Data Specification |             | Hydraulic data (duty point) |  | Impeller design |                                 |
|------------------------------|-------------|-----------------------------|--|-----------------|---------------------------------|
| Flow                         | 0 US g.p.m. | Flow                        |  | Impeller R      | 2 <sup>7</sup> / <sub>8</sub> " |
| Head                         | 0 ft        | Head                        |  | Frequency       | 60 Hz                           |
| Static head                  | 0 ft        |                             |  | Speed           | 3500 rpm                        |

#### Power data referred to:

Water [100%] ; 39.2°F; 62.4lb/ft<sup>3</sup>; 1.69E-5ft<sup>2</sup>/s

Performance according to ANSI/HI 14.6 - Grade 2B

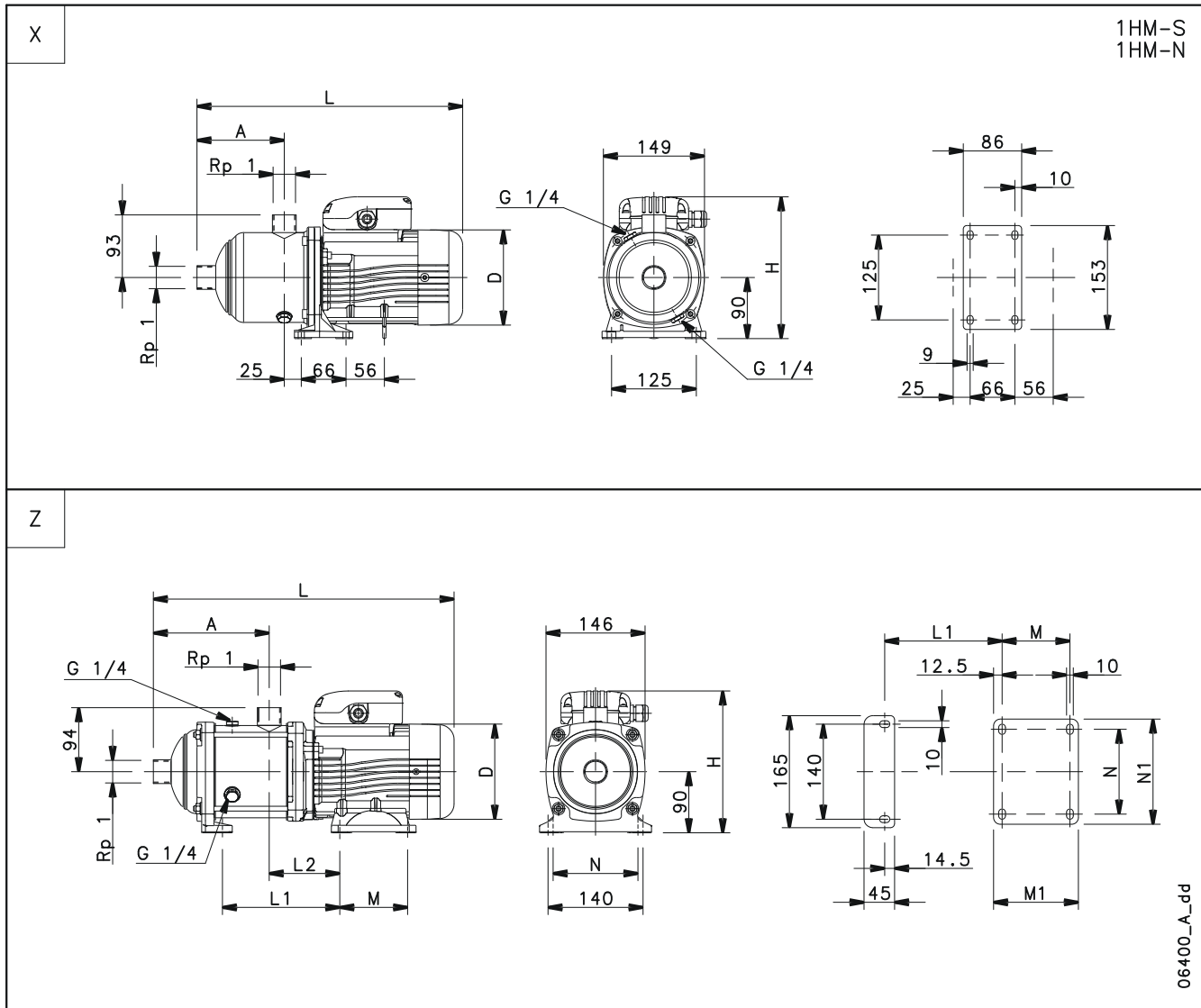




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## 1HM04N05T6PBQE

### Drawing



### Dimensions inch

|              |                                 |  |  |  |  |        |    |
|--------------|---------------------------------|--|--|--|--|--------|----|
| A            | 4 <sup>3</sup> / <sub>16</sub>  |  |  |  |  | Weight |    |
| D            | 5 <sup>1</sup> / <sub>2</sub>   |  |  |  |  | 19.841 | lb |
| H            | 8 <sup>7</sup> / <sub>8</sub>   |  |  |  |  |        |    |
| L            | 14 <sup>9</sup> / <sub>16</sub> |  |  |  |  |        |    |
| Ref. Drawing | X                               |  |  |  |  |        |    |