

|              |             |            |
|--------------|-------------|------------|
| Customer     | Date        | 05.02.2021 |
| Contact      | Project     |            |
| Phone number | Project no. |            |
| Email        |             |            |



## 5HM07N22T6PBQE

### Operating data

|                           |                  |                           |                |
|---------------------------|------------------|---------------------------|----------------|
| Pumpe 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/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              |
| Available system NPSH     | ft 0             | Altitude                  | ft 0           |

### Pump data

|                       |           |                  |           |       |
|-----------------------|-----------|------------------|-----------|-------|
| Make                  | Goulds    | Nominal          | US g.p.m. | ( )   |
| Speed                 | rpm 3500  | Max-             | US g.p.m. | 44.9  |
| No. of stages         | 7         | Min-             | US g.p.m. |       |
| Max. casing pressure  | psi       | Nominal          | ft        |       |
| Max. working pressure | psi 109.4 | Head at Qmax     | ft        | 121.5 |
| Head H(Q=0)           | ft 250    | Head at Qmin     | ft        | 252.3 |
| Weight                | lb 49     | Shaft power      | hp        | ( )   |
|                       |           | Max. shaft power | hp        | 2.5   |
|                       |           | Efficiency       | %         |       |
|                       |           | NPSH 3%          | ft        |       |

### Pump Materials

|                          |                     |
|--------------------------|---------------------|
| Adapter                  | Aluminium           |
| Diffuser                 | Stainless steel     |
| Fill / drain plugs       | Stainless steel     |
| Head                     | Stainless steel     |
| Impeller                 | Stainless steel 316 |
| Outer sleeve             | Stainless steel     |
| Ring with foot           | Aluminium           |
| Seal Housing             | Stainless steel     |
| Shaft                    | Stainless steel     |
| Shaft sleeve and bushing | Tungsten carbide    |
| Tie rods                 | 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            | PLM90HM..A/UL322 E3           |                      |         |
| Rated power     | 3 hp                          | Electric voltage     | 208 V   |
| Speed           | 3505 rpm                      | Electric current     | 8.23 A  |
| Frame size      | 56                            | Degree of protection | 55      |
| Colour          | RAL 5010                      | Insulation class     | 155 (F) |



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## 5HM07N22T6PBQE

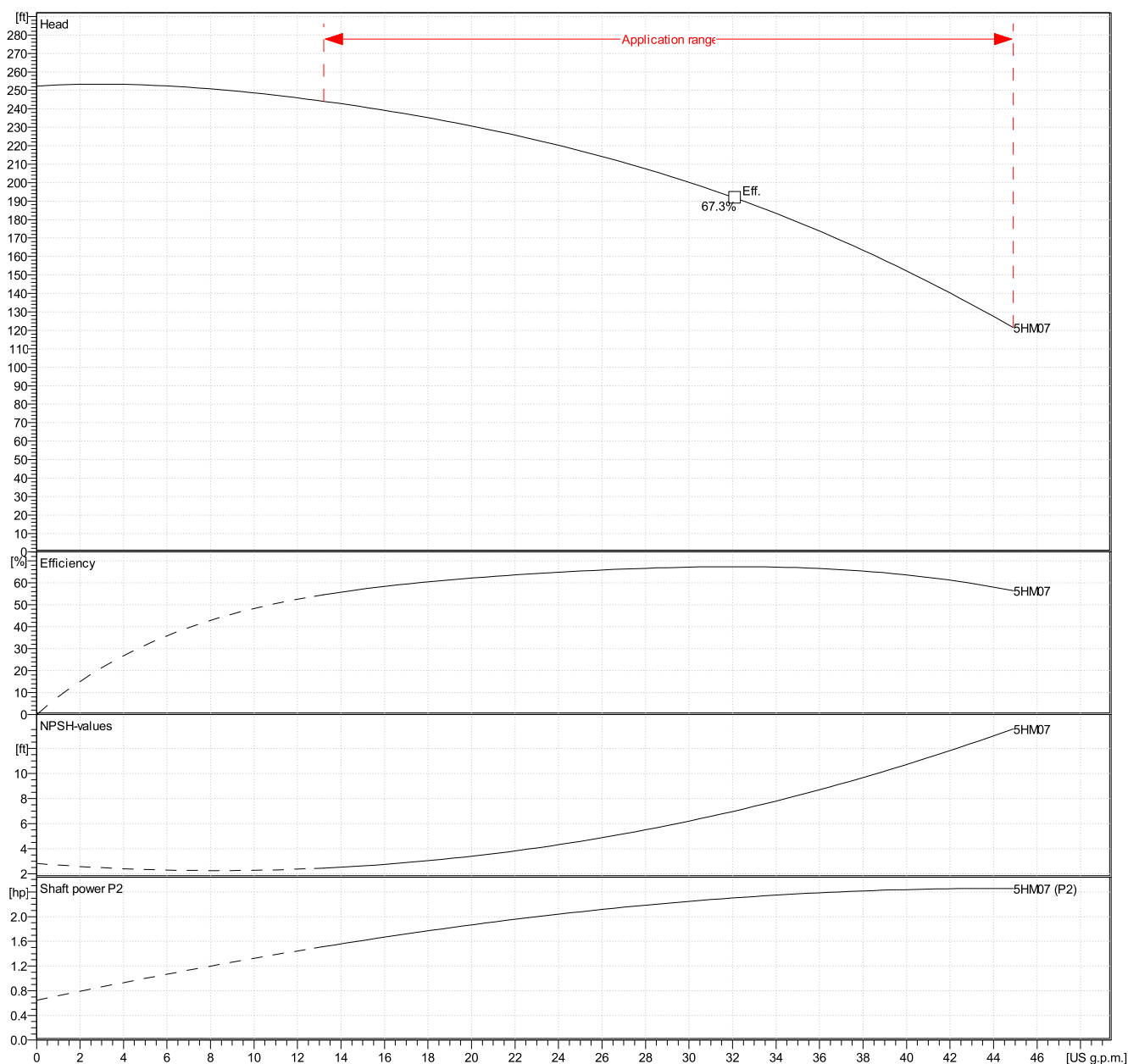
### Hydraulic Data

| Operating Data Specification |             | Hydraulic data (duty point) |  | Impeller design |          |
|------------------------------|-------------|-----------------------------|--|-----------------|----------|
| Flow                         | 0 US g.p.m. | Flow                        |  | Impeller R      | 3 inch   |
| 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/ft³; 1.69E-5ft²/s

Performance according to ANSI/HI 14.6 - Grade 2B

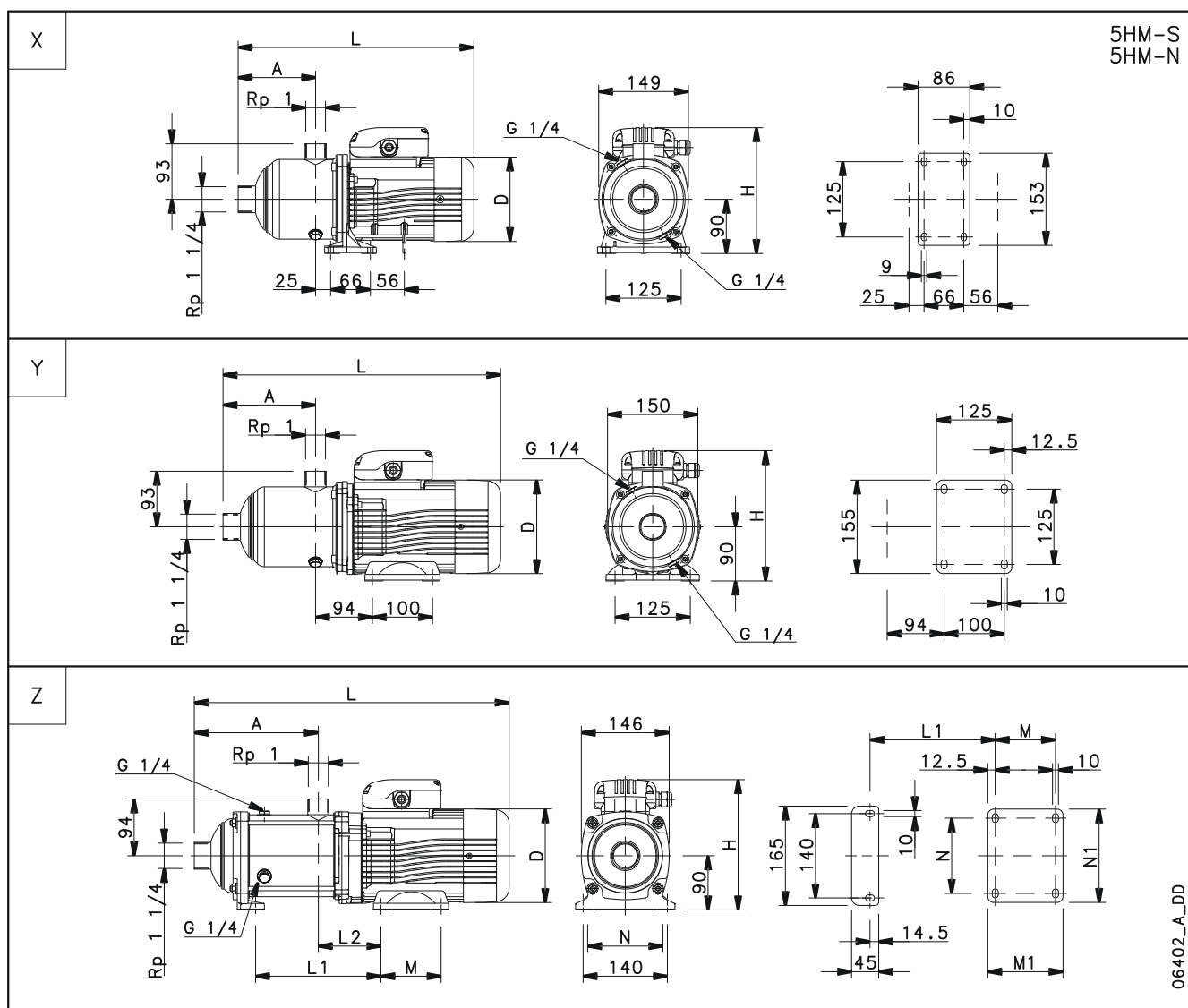




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### Drawing



### Dimensions inch

|    |                  |              |                 |  |  |           |
|----|------------------|--------------|-----------------|--|--|-----------|
| A  | $7\frac{3}{16}$  | N1           | $6\frac{7}{16}$ |  |  | Weight    |
| D  | $6\frac{7}{8}$   | Ref. Drawing | Z               |  |  | 48.501 lb |
| H  | $9\frac{7}{8}$   |              |                 |  |  |           |
| L  | $21\frac{7}{8}$  |              |                 |  |  |           |
| L1 | $8\frac{1}{8}$   |              |                 |  |  |           |
| L2 | 5                |              |                 |  |  |           |
| M  | $4\frac{15}{16}$ |              |                 |  |  |           |
| M1 | $5\frac{7}{8}$   |              |                 |  |  |           |
| N  | $5\frac{1}{2}$   |              |                 |  |  |           |