

|              |                 |
|--------------|-----------------|
| Customer     | Date 24.02.2020 |
| Contact      | Project         |
| Phone number | Project no.     |
| Email        |                 |

# 3ST1G4F4

## Operating data

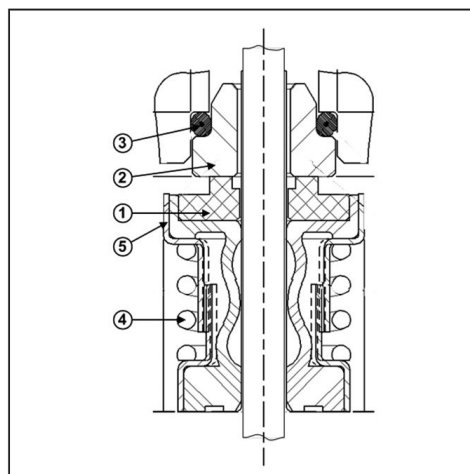
|                           |                   |                           |                |
|---------------------------|-------------------|---------------------------|----------------|
| Pump type                 | End Suction Pumps | Fluid                     | Water          |
| No. of pumps / 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 Water Technology | Nominal          | US g.p.m. ( )      |
| Speed                 | rpm 3500                | Flow             | Max- US g.p.m. 132 |
| No. of stages         | 1                       |                  | Min- US g.p.m.     |
| Max. casing pressure  | psi                     |                  | Nominal ft         |
| Max. working pressure | psi 27.8                | Head             | at Qmax ft 35.8    |
| Head H(Q=0)           | ft 64                   |                  | at Qmin ft 64.1    |
| Weight                | lb On demand            | Shaft power      | hp ( )             |
|                       | Max. inch 5 1/8         | Max. shaft power | hp 2.2             |
| Impeller R            | designed inch 4         | Efficiency       | %                  |
|                       | Min. inch 3 5/8         | NPSH 3%          | ft                 |

## Shaft Seal

|                      |                 |
|----------------------|-----------------|
| Type 21 NPE          | John Crane      |
| NPE Mechanical Seal  |                 |
| 1 - Rotating Face    | Carbon          |
| 2 - Stationary Face  | Silicon Carbide |
| 3 - Elastomers       | Viton           |
| 4 - Metal Components | AlSI 316 SS     |



## Motor data

|                 |              |                      |          |            |          |                  |          |
|-----------------|--------------|----------------------|----------|------------|----------|------------------|----------|
| Manufacturer    | Bluffton     | Electric voltage     | 115-230V | Speed      | 3500 rpm | Insulation class | B        |
| Specific design | 1ph ODP      |                      |          | Frame size | 56J      | Colour           | RAL 5010 |
| Type            | E10A12D1EB1G | Electric current     | 0 A      |            |          |                  |          |
| Rated power     | 2 hp         | Degree of protection | IP 55    |            |          |                  |          |

## Remarks:

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## Pump Materials

|                                    |              |
|------------------------------------|--------------|
| 100-Casing                         | AISI 316L SS |
| 101-Impeller                       | AISI 316L SS |
| 108-Motor adapter                  | AISI 316L SS |
| 108A-Motor adapter seal vent/flush | AISI 316L SS |
| 123-Deflector                      | BUNA-N       |
| 184-Seal housing                   | AISI 316L SS |
| 184 A-Seal housing seal vent/flush | AISI 316L SS |
| 347-Guide vane                     | AISI 316L SS |
| 349-Seal ring, guide vane          | Viton        |
| 370-Socket head screws, casing     | AISI 410 SS  |
| 371-Bolts, motor                   | Plated Steel |
| 408-Drain and vent plug, casing    | AISI 316L SS |
| 412B-O-ring, drain and vent plug   | Viton        |
| 513-O-ring, casing                 | Viton        |
| Motor-NEMA standard, 56J flange    | -            |

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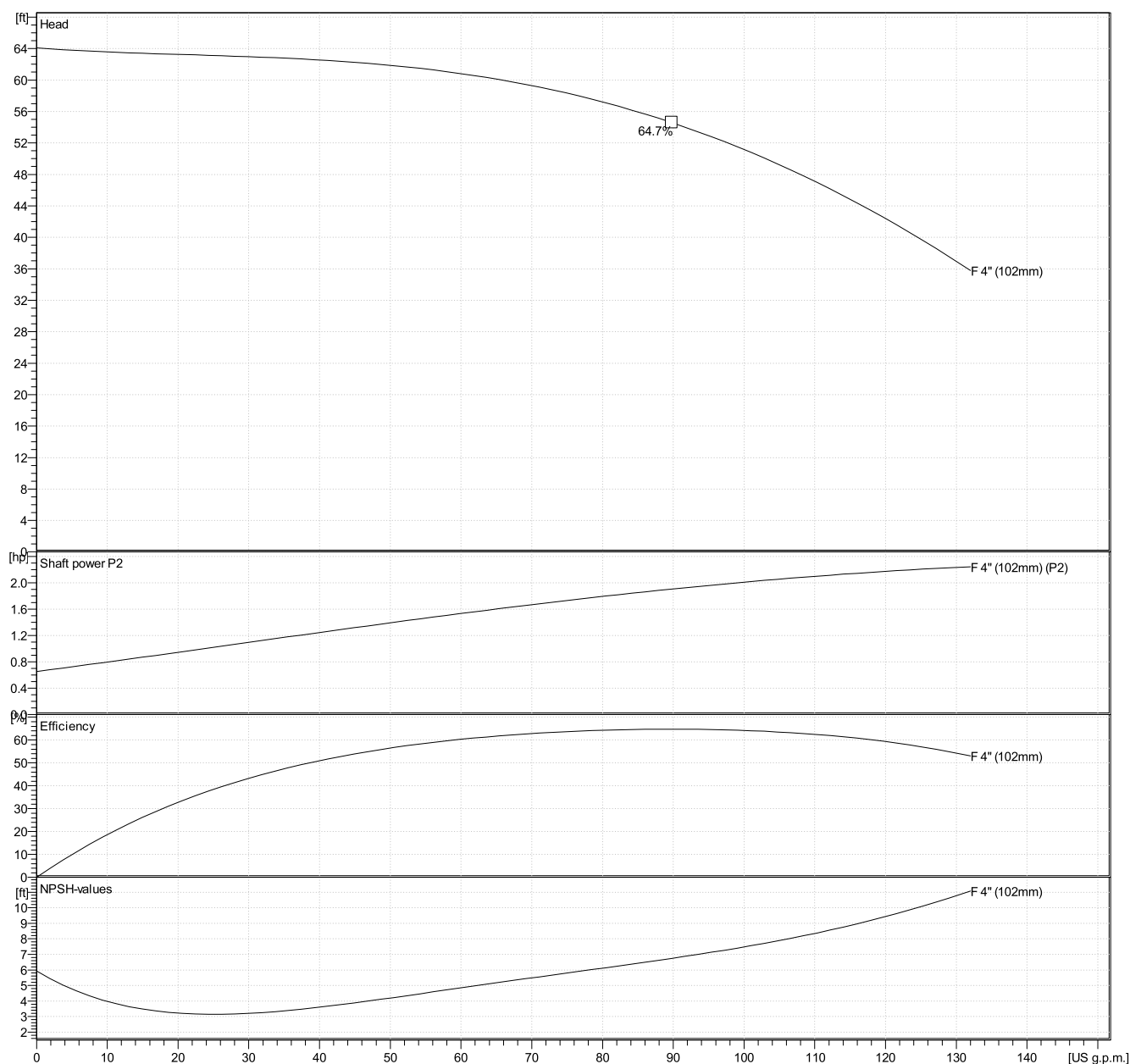
## Hydraulic Data

| Operating Data Specification | Hydraulic data (duty point) | Impeller design |
|------------------------------|-----------------------------|-----------------|
| Flow 0 US g.p.m.             | Flow                        | Impeller R 4"   |
| Head 0 ft                    | Head                        | Frequency 60 Hz |
| Static head 0 ft             |                             | Speed 3500 rpm  |

Power data referred to:

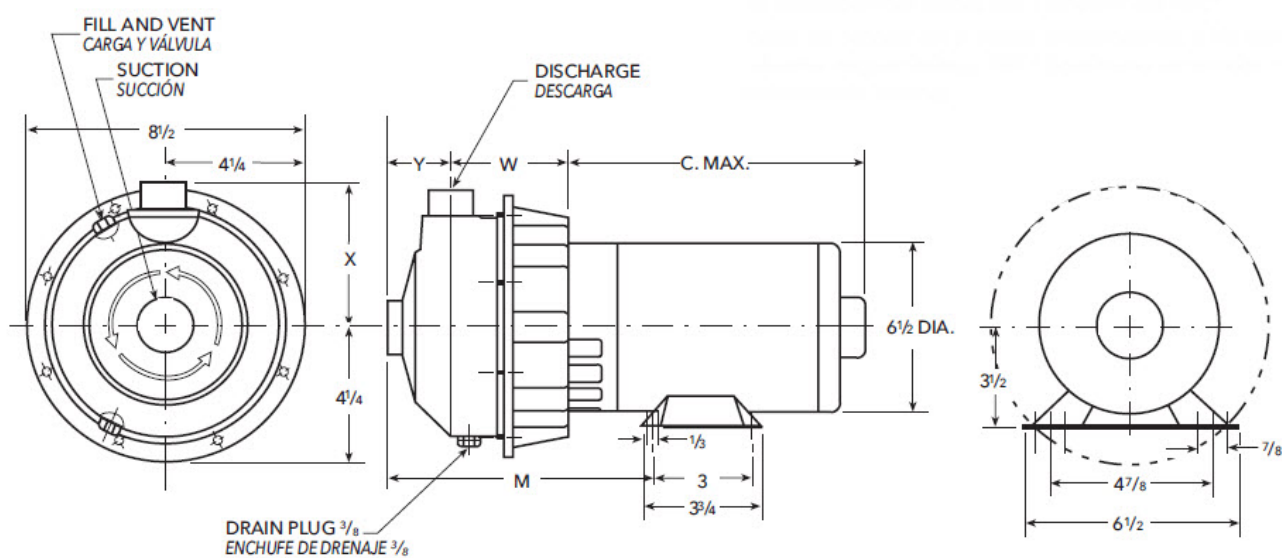
Water [100%] ; 39.2°F; 62.4lb/ft<sup>3</sup>; 1.69E-5ft<sup>2</sup>/s

Performance according to ISO 9906 - Annex A



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## Drawing



## Dimensions inch

|           |                                 |  |  |  |  |           |
|-----------|---------------------------------|--|--|--|--|-----------|
| C. Max    | 13 <sup>9</sup> / <sub>16</sub> |  |  |  |  | Weight    |
| Discharge | 1 <sup>1</sup> / <sub>2</sub>   |  |  |  |  | On demand |
| M         | 7 <sup>7</sup> / <sub>8</sub>   |  |  |  |  |           |
| Suction   | 2                               |  |  |  |  |           |
| W         | 3 <sup>3</sup> / <sub>4</sub>   |  |  |  |  |           |
| X         | 4 <sup>5</sup> / <sub>8</sub>   |  |  |  |  |           |
| Y         | 2 <sup>1</sup> / <sub>8</sub>   |  |  |  |  |           |