

|              |             |          |
|--------------|-------------|----------|
| Customer     | Date        | 2/6/2019 |
| Contact      | Project     |          |
| Phone number | Project no. |          |
| Email        |             |          |

# 1ST1D7E4

## Operating data

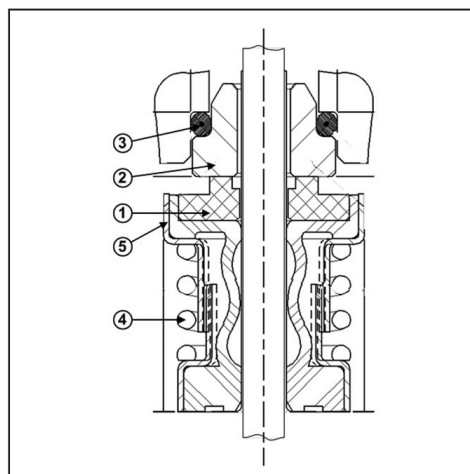
|                           |                   |                           |               |
|---------------------------|-------------------|---------------------------|---------------|
| Pump type                 | End Suction Pumps | Fluid                     | Water         |
| No. of pumps / Reserve    | 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 1.69E-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. 40.1 |
| Number of stages      | 1                       |                  | Min- US g.p.m.      |
| Max. casing pressure  | psi                     |                  | Nominal ft          |
| Max. working pressure | psi 32.9                | Head             | at Qmax ft 35.8     |
| Head H(Q=0)           | ft 76                   |                  | at Qmin ft 75.9     |
| Weight                | lb On demand            | Shaft power      | hp ( )              |
|                       | Max. inch 6 1/8         | Max. shaft power | hp .8               |
| Impeller R            | designed inch 4 7/16    | Efficiency       | %                   |
|                       | Min. inch 4 1/16        | 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     | 230 V | Speed      | 3500 rpm | Insulation class | B        |
| Specific design | 3ph XP   |                      |       | Frame size | 56J      | Colour           | RAL 5010 |
| Type            | BBC05875 | Electric current     | 2.3 A |            |          |                  |          |
| Rated power     | 0.75 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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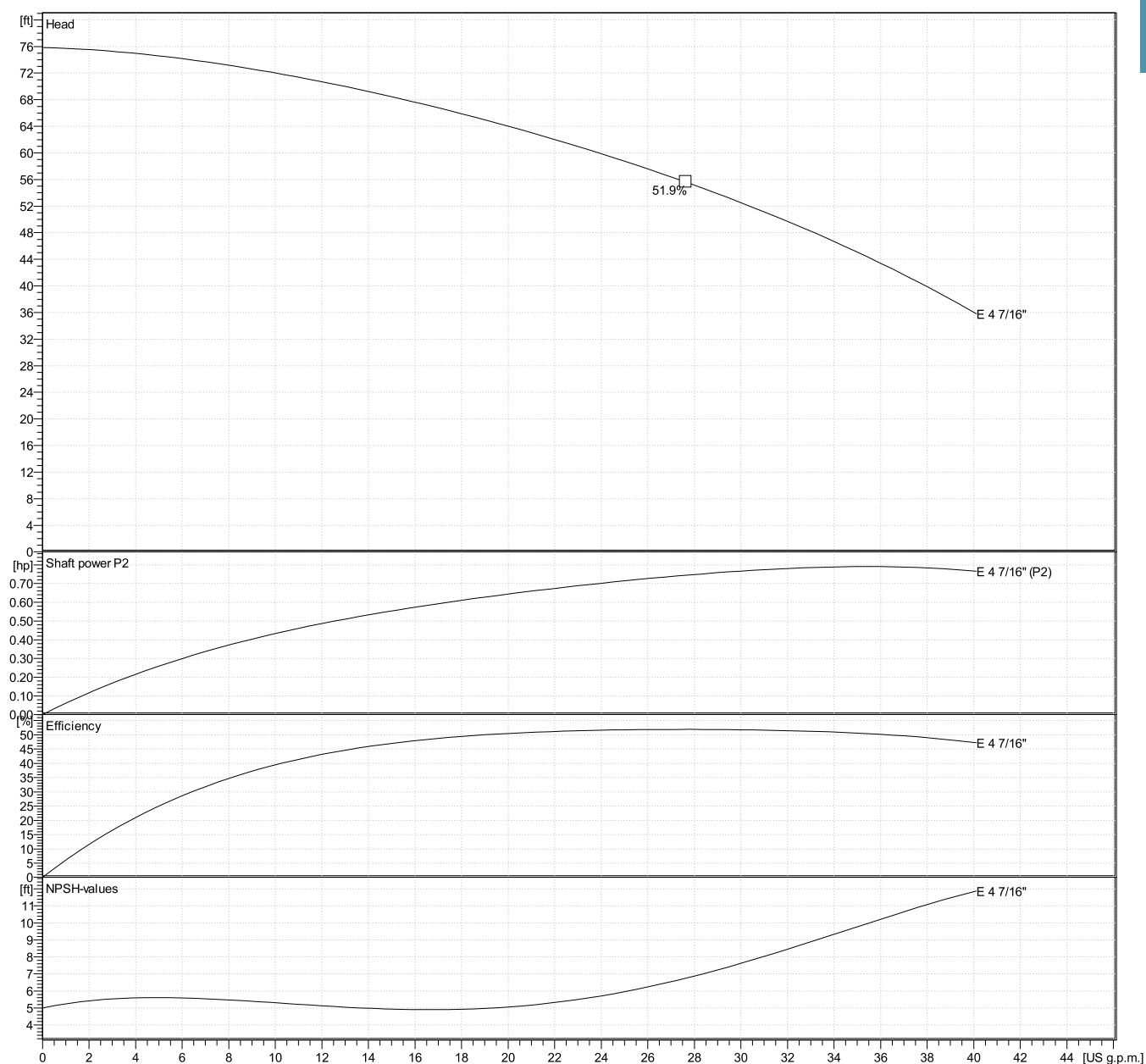
## Hydraulic Data

| Operating Data Specification |             | Hydraulic data (duty point) |  | Impeller design |          |
|------------------------------|-------------|-----------------------------|--|-----------------|----------|
| Flow                         | 0 US g.p.m. | Flow                        |  | Impeller R      | 4 7/16"  |
| Head                         | 0 ft        | Head                        |  | Frequency       | 60 Hz    |
| Static head                  | 0 ft        |                             |  | Speed           | 3500 rpm |

### Power datas referred to:

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

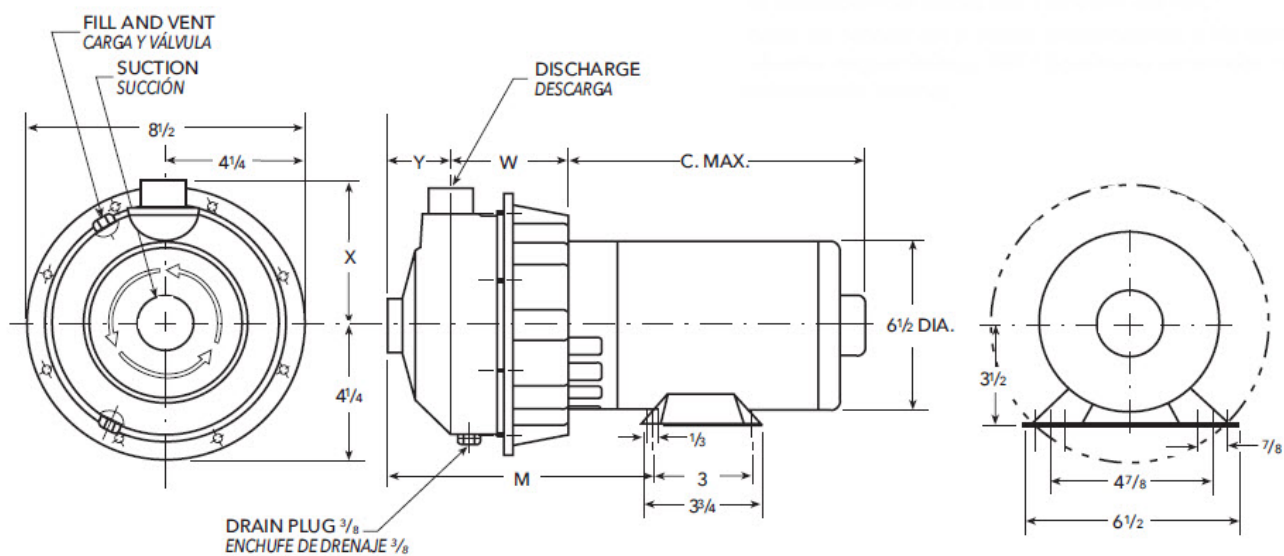
Performance according to ISO 9906 - Annex A



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## Drawing



## Dimensions inch

|           |                  |  |  |  |  |                     |
|-----------|------------------|--|--|--|--|---------------------|
| C. Max    | $10\frac{7}{16}$ |  |  |  |  | Weight<br>On demand |
| Discharge | 1                |  |  |  |  |                     |
| M         | $7\frac{5}{16}$  |  |  |  |  |                     |
| Suction   | $1\frac{1}{4}$   |  |  |  |  |                     |
| W         | $3\frac{5}{16}$  |  |  |  |  |                     |
| X         | $4\frac{3}{8}$   |  |  |  |  |                     |
| Y         | 2                |  |  |  |  |                     |