

|              |             |            |
|--------------|-------------|------------|
| Customer     | Date        | 29.04.2020 |
| Contact      | Project     |            |
| Phone number | Project no. |            |
| Email        |             |            |



## 2ED51D4CA

### Operating data

|                           |             |                           |                |
|---------------------------|-------------|---------------------------|----------------|
| Pump type                 | Effluent    | 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. 93.7 |
| No. of stages         | 1                       |                  | Min- US g.p.m.      |
| Max. casing pressure  | psi                     |                  | Nominal ft          |
| Max. working pressure | psi 28.8                | Head             | at Qmax ft 9.9      |
| Head H(Q=0)           | ft 67                   |                  | at Qmin ft 66.5     |
| Weight                | lb On demand            | Shaft power      | hp ( )              |
|                       | Max. inch 5 1/2         | Max. shaft power | hp 1                |
| Impeller R            | designed inch 4 1/16    | Efficiency       | %                   |
|                       | Min. inch 3 9/16        | NPSH 3%          | ft                  |

### Shaft Seal

|                              |                 |
|------------------------------|-----------------|
| 2ED                          | Effluent        |
| 2ED Mechanical Seal          |                 |
| 1 - Rotating (Upper)         | Carbon          |
| 2 - Stationary (Upper)       | Ceramic         |
| 3 - Elastomers (Upper)       | BUNA            |
| 4 - Metal Components (Upper) | Stainless Steel |
| 5 - Rotating (Lower)         | Silicon Carbide |
| 6 - Stationary (Lower)       | Silicon Carbide |
| 7 - Elastomers (Lower)       | BUNA            |
| 8 - Metal Components (Lower) | Stainless Steel |

### Motor data

|                 |                             |                      |       |            |          |                  |          |
|-----------------|-----------------------------|----------------------|-------|------------|----------|------------------|----------|
| Manufacturer    | Regal Beloit                | Electric voltage     | 460 V | Speed      | 3500 rpm | Insulation class | B        |
| Specific design | 3ph                         | Electric current     | 2.7 A | Frame size | 48       | Colour           | RAL 5010 |
| Type            | 119-49 43 (0.75HP/230/460V) |                      |       |            |          |                  |          |
| Rated power     | 0.75 hp                     | Degree of protection | IP 55 |            |          |                  |          |

### Remarks:

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## Pump Materials

|                                          |                       |
|------------------------------------------|-----------------------|
| 100 - Casing                             | Cast Iron             |
| 101 - Impeller                           | Cast Iron             |
| 112A - Lower Ball Bearing                | Steel                 |
| 112B - Upper Ball Bearing                | Steel                 |
| 184 - Seal Housing                       | Cast Iron             |
| 218 - Insulating Oil                     | Turbine Oil - ASTM150 |
| 246 - Seal Sensor – Plug and Rod         | Nylon/Brass           |
| 304 - Impeller Locknut - All             | AISI 300 SS           |
| 338 - Motor                              | Stainless Steel Shaft |
| 340 - Bearing Housing                    | Cast Iron             |
| 341 - Motor Cover                        | Cast Iron             |
| 351 - Casing Gasket                      | Composite             |
| 358 - Plug – Seal Housing 1/4" NPT       | AISI 300 SS           |
| 358E - Plug – Motor Cover 3/8" NPT       | AISI 300 SS           |
| 361 - Retaining Ring                     | AISI 300 SS           |
| 361D - Seal Retainer                     | AISI 300 SS           |
| 372D - Hex Cap Screw – Housing to Casing | AISI 300 SS           |
| 376 - Capacitor (1 Phase Only) – Start   | –                     |
| 412M - O-ring – Motor Cover              | BUNA-N, AS 568A-166   |
| 412P - O-ring – Seal/Bearing Housing     | BUNA-N, AS 568A-163   |
| 457 - Wire Nut                           | Special Nylon Housing |

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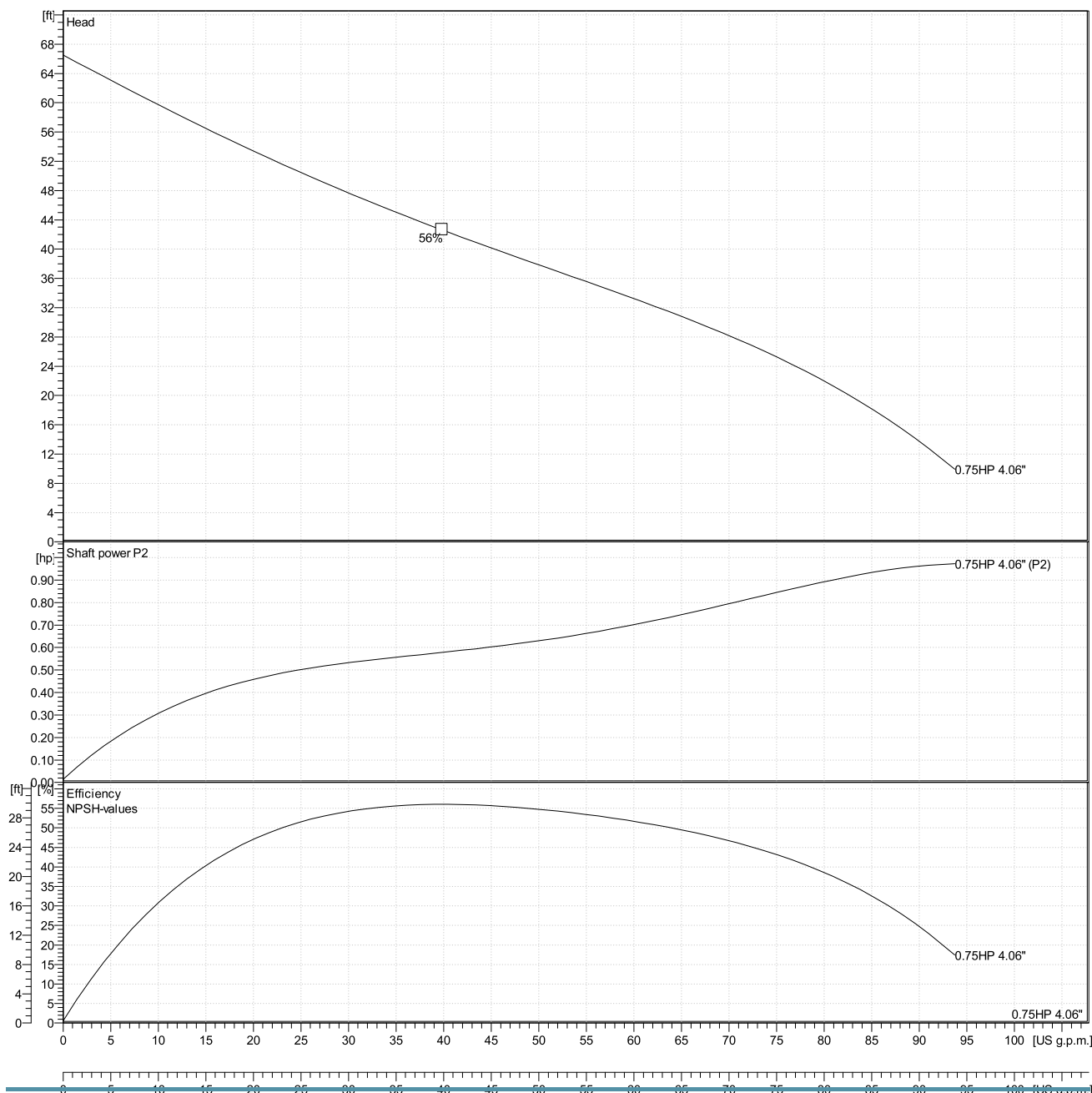
## Hydraulic Data

| Operating Data Specification | Hydraulic data (duty point) | Impeller design    |
|------------------------------|-----------------------------|--------------------|
| Flow 0 US g.p.m.             | Flow                        | Impeller R 4 1/16" |
| 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

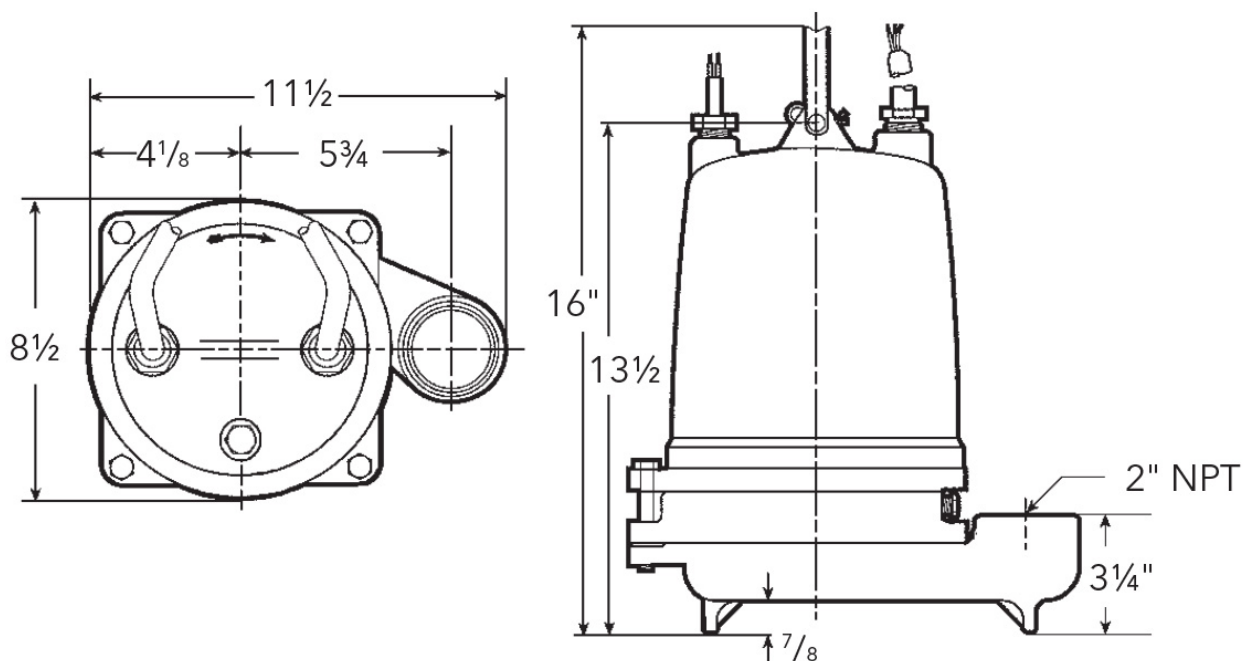


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## 2ED51D4CA

### Drawing



### Dimensions inch

|           |   |  |  |  |  |                     |
|-----------|---|--|--|--|--|---------------------|
| Discharge | 2 |  |  |  |  | Weight<br>On demand |
|           |   |  |  |  |  |                     |