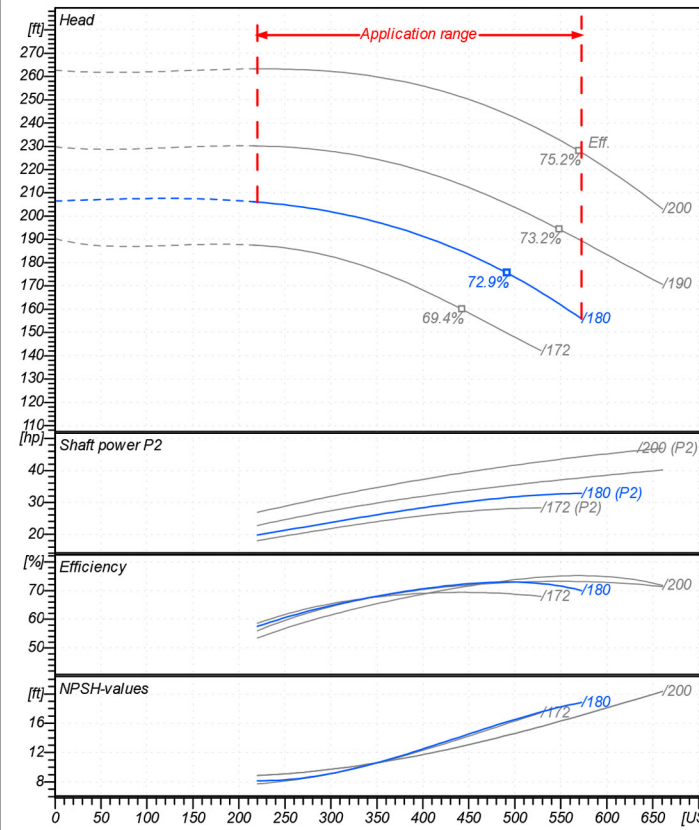




Receiver

From

 Company name  
 Respons. Department  
 Person in charge  
 Phone number  
 Fax no  
 E-mail address


### Operating data specification

|                           |                    |          |
|---------------------------|--------------------|----------|
| Nominal flow              | US g.p.m.          | 0        |
| Nominal head              | ft                 | 0        |
| Static head               | ft                 | 0        |
| NPSH - value of plant     | ft                 | 0        |
| Inlet pressure            | psi                | 1.42     |
| Fluid                     | Water, pure        |          |
| Operating temperature t A | °F                 | 68       |
| Density at t A            | lb/ft <sup>3</sup> | 62.32    |
| Kin. viscosity at t A     | ft <sup>2</sup> /s | 1.082E-5 |

### Pump

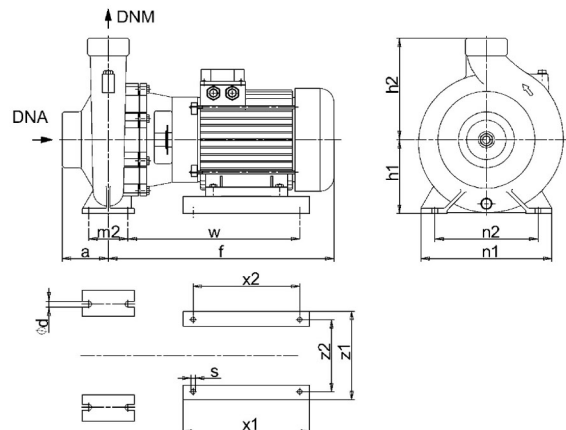
|                       |         |           |              |   |
|-----------------------|---------|-----------|--------------|---|
| Pump name             |         | 6BP16/180 |              |   |
| Size                  |         |           |              |   |
| Design                |         |           |              |   |
| Speed                 | rpm     | 3550      | No of stages | 1 |
| Impeller type         |         |           |              |   |
| Flow                  | Nominal | US g.p.m. |              |   |
|                       | Max-    | US g.p.m. | 572          |   |
|                       | Min-    | US g.p.m. | 220          |   |
| Head                  | Nominal | ft        |              |   |
|                       | Max-    | ft        | 206          |   |
|                       | Min-    | ft        | 156          |   |
| Head H(Q=0)           |         | ft 206    |              |   |
| NPSH 3%               |         | ft        |              |   |
| Max. working pressure |         | psi 89.4  |              |   |
| Shaft power           |         | hp        |              |   |
| Efficiency            |         | %         |              |   |
| Max absorbed power    |         | hp 32.855 |              |   |

### Materials Pump

|                 |                                     |
|-----------------|-------------------------------------|
| Shaft           | Stainless steel AISI 431 (1.4057)   |
| Impeller        | Cast iron EN-GJL-250                |
| Pump body       | Cast iron EN-GJL-250                |
| Seal disc       | Cast iron EN-GJL-250                |
| Gasket          | Natural fiber                       |
| Mechanical seal | BVEG (Grafite/Ossido Allumina/EPDM) |

### Dimensions in inch

|    |                                 |   |         |
|----|---------------------------------|---|---------|
| a  | 3 <sup>9</sup> / <sub>8</sub>   |   |         |
| d  | 9 <sup>1</sup> / <sub>16</sub>  |   |         |
| h1 | 7 <sup>1</sup> / <sub>16</sub>  |   |         |
| h2 | 9 <sup>13</sup> / <sub>16</sub> |   |         |
| m2 | 3 <sup>3</sup> / <sub>4</sub>   |   |         |
| n1 | 12 <sup>5</sup> / <sub>8</sub>  |   |         |
| n2 | 9 <sup>13</sup> / <sub>16</sub> | G | 3" G 3" |
| w  | 18 <sup>1</sup> / <sub>4</sub>  |   |         |
| x1 | 304;                            |   |         |
| x2 | 254;                            |   |         |
| z1 | 320;                            |   |         |
| z2 | 254;                            |   |         |



|                      |                |                  |                |          |
|----------------------|----------------|------------------|----------------|----------|
| <b>Motor</b>         | Frame size     | 160              |                |          |
| Manufacturer / Type  | SAER 160-2P-30 |                  |                |          |
| Rated power          | hp             | 29.502           | Efficiency 4/4 | 89.1 %   |
| Electric current     | A              | 72               | Speed          | rpm 3530 |
| Electric voltage     | V              | 230 V            | 3~             | Hz 60    |
| Starting mode        | Unknown        |                  |                |          |
| Degree of protection | IP 55          | Insulation class | F              |          |

Remarks:

|         |            |            |            |             |
|---------|------------|------------|------------|-------------|
| Project | Project ID | Created by | Created on | Last update |
|         |            |            | 2020/07/07 |             |



Receiver

From

Company name  
Respons. Department  
Person in charge  
Phone number  
Fax no  
E-mail address

Operating area

Flow

Head

Impeller type

Operating data specification

0 US g.p.m

0 ft

Impeller construction

Sense of rotation

Clockwise from the drive end

Pump data

US g.p.m

ft

Outlet width

G3"

| Flow     |          |             | Head   |             |         | Shaft power P2 |             |  |
|----------|----------|-------------|--------|-------------|---------|----------------|-------------|--|
| Min.     | Max.     | $\eta$ Max. | H(Q=0) | $\eta$ Max. | P2(Q=0) | Max.           | $\eta$ Max. |  |
| US g.p.m | US g.p.m | US g.p.m    | ft     | ft          | hp      | hp             | hp          |  |
| 220      | 572      | 492         | 206    | 175         |         | 32.9           | 31.5        |  |

Speed

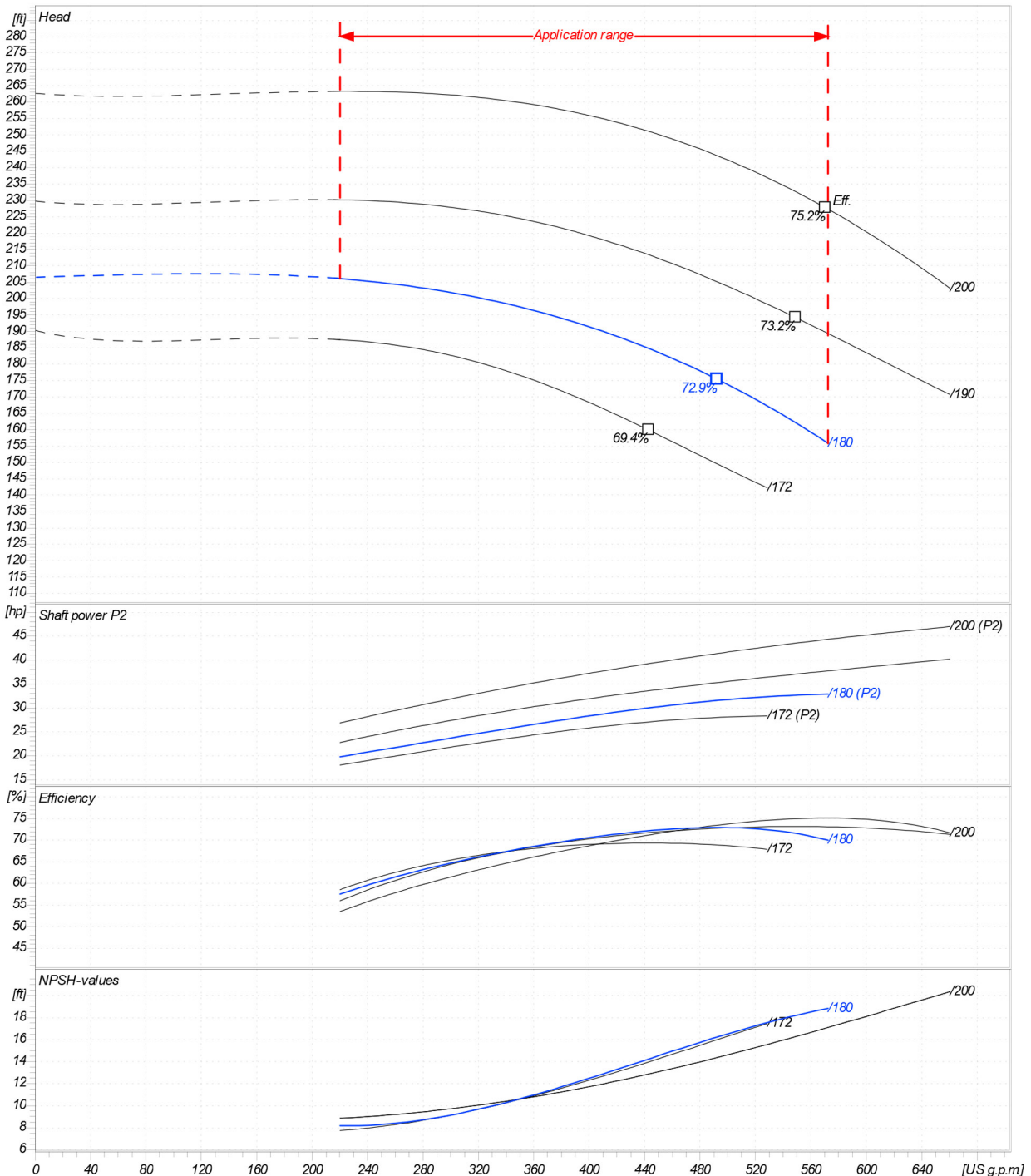
rpm 3550

Frequency

Hz 60 Hz

Performance data based to: Water, pure [100%]; 68°F; 62.3lb/ft<sup>3</sup>; 1.08E-5ft<sup>2</sup>/s

UNI EN ISO 9906:2012 - Grade 3B



Project

Project ID

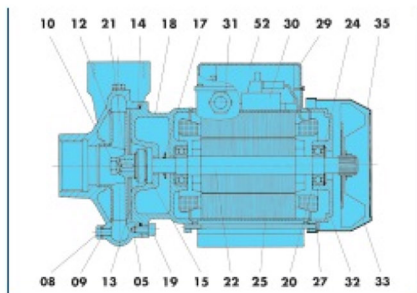
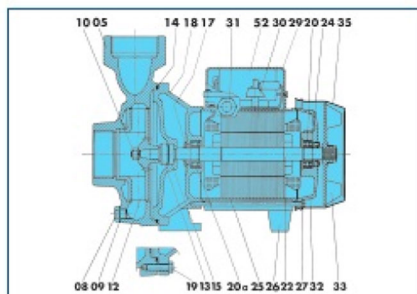
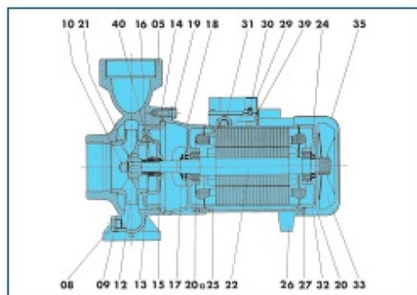
Created by

Created on  
2020/07/07

Last update



Company name  
Respons. Department  
Person in charge  
Phone number  
Fax no  
E-mail address


**6BP 3-4-5**

**6BP 6**

**6BP 7-8-9-10-11-12-13-14-15-16-17**

| REF.<br>REF.<br>NUM. | COMPONENT                | COMPONENTE                     | COMPONENTE                    |
|----------------------|--------------------------|--------------------------------|-------------------------------|
| 05                   | Pump body                | Corpo pompa                    | Cuerpo de bomba               |
| 08                   | Plug                     | Tappo                          | Tapon                         |
| 09                   | Gasket                   | Guarnizione                    | Empaquetadura                 |
| 10                   | Nut                      | Dado                           | Tuerca                        |
| 12                   | Impeller                 | Girante                        | Impulsor                      |
| 13                   | Rotating mechanical seal | Parte rotante tenuta meccanica | Cierre mecanico parte girante |
| 14                   | O-Ring                   | Anello OR                      | Anillo OR                     |
| 15                   | Fixed mechanical seal    | Parte fissa tenuta meccanica   | Cierre mecanico parte fija    |
| 16                   | Seal holding disc        | Disco porta tenuta             | Anillo intermedio             |
| 17                   | Drop guard               | Paragocce                      | Paragotas                     |
| 18                   | Support                  | Supporto                       | Soporte                       |
| 19                   | Screw                    | Vite                           | Tomillo                       |
| 20                   | Bearing                  | Cuscinetto                     | Cojinote                      |
| 20a                  | Bearing                  | Cuscinetto                     | Cojinote                      |
| 21                   | Key                      | Linguetta                      | Chaveta                       |
| 22                   | Rotating shaft           | Albero rotante                 | Eje rotatorio                 |
| 24                   | Cleat                    | Anello elastico                | Anillo elastico               |
| 25                   | Casing with wound stator | Carcassa statore avvolto       | Carcasa estator anuvuelto     |
| 26                   | Foot                     | Piede                          | Pie                           |
| 27                   | Tie-rod                  | Tirante                        | Tirante                       |
| 29                   | Terminal board cover     | Coperchio morsettiere          | Tapa de bornes                |
| 30                   | Terminal board           | Morsettiere                    | Bornes                        |
| 31                   | Fairlead                 | Pressacavo                     | Guia                          |
| 32                   | Driving cap              | Calotta motore                 | Tapa motor                    |
| 33                   | Fan                      | Ventola                        | Ventilador                    |
| 35                   | Fan cover                | Copriventola                   | Tapa ventilador               |
| 39                   | Terminal board gasket    | Guarnizione morsettiere        | Empaquetadura bornes          |
| 40                   | Bushing                  | Bussola                        | Casquillo                     |
| 52                   | Capacitor                | Condensatore                   | Condensador                   |

Project

Project ID

Created by

Created on

2020/07/07

Last update


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