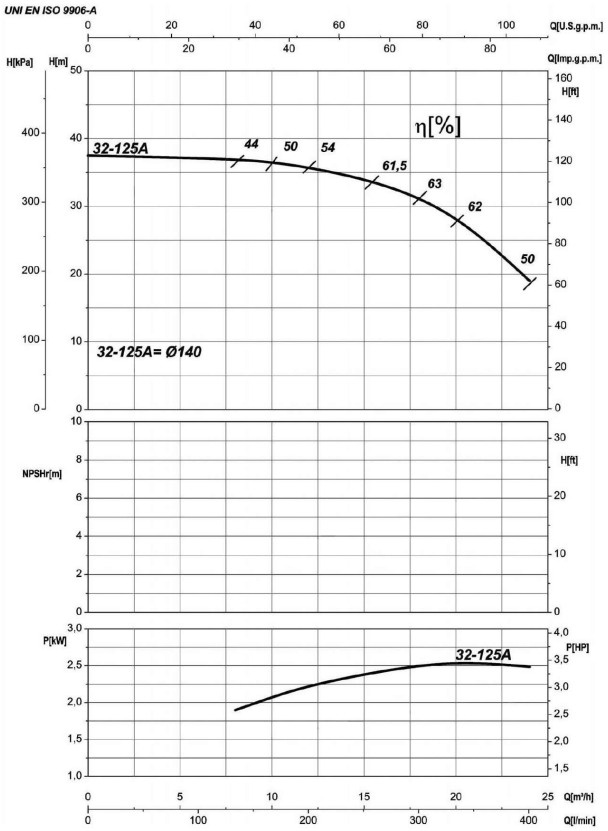
| | | | |
|---|---|---|---|
| SAER ELETTROPOMPE | **Technical data**<br>6IR32-125A | Revision no | Page:<br>1 |

| **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/ft³ | 62.32 |
| Kin. viscosity at t A | ft²/s | 1.082E-5 |

## Pump

| | | | |
|---|---|---|---|
| Pump name | | 6IR32-125A | |
| Size | | 50/32/125 | |
| Design | | | |
| Speed rpm | 3600 | No of stages 1 | |
| Impeller type | | | |
| Flow | Nominal | US g.p.m. | |
| | Max- | US g.p.m. | 106 |
| | Min- | US g.p.m. | 35.2 |
| Head | Nominal | ft | |
| | Max- | ft | 121 |
| | Min- | ft | 61.9 |
| Head H(Q=0) | | ft | 123 |
| NPSH 3% | | ft | |
| Max. working pressure | | psi | 53.1 |
| Shaft power | | hp | |
| Efficiency | | % | |
| Max absorbed power | | hp | 3.2775 |

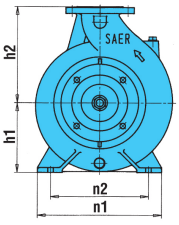
## Materials Pump

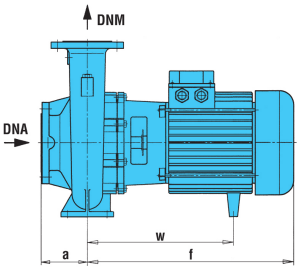
| | |
|---|---|
| Shaft | Stainless steel AISI 431 (1.4057) |
| Impeller | Cast iron EN-GJL-250 |
| Pump body | Cast iron EN-GJL-250 |
| Seal disc | Cast iron EN-GJL-250 |
| Gasket | Natural fiber |
| Mechanical seal | BVEG (Grafite/Ossido Allumina/EPDM) |

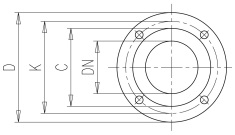
| **Motor** | Frame size | 90 L | | |
|---|---|---|---|---|
| Manufacturer / Type | SAER MEC90L-2P-3 | | | |
| Rated power hp | 4.0231 | Efficiency 4/4 | | 83 % |
| Electric current A | 10 A | Speed rpm | | 3600 |
| Electric voltage V | 230V | 3~ | Hz | 60 |
| Starting mode | Unknown | | | |
| Degree of protection | IP 55 | Insulation class | | F |

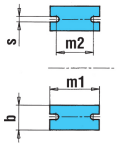
## Dimensions in inch

| | | | |
|---|---|---|---|
| a | 3 1/8 | C | 4 |
| b | 1 15/16 | D | 6 1/2 |
| DNA | 1 15/16 | DN | 1 15/16 |
| DNM | 1 1/4 | K | 4 15/16 |
| f | 14 9/16 | n° | 3/16 |
| h1 | 4 7/16 | øn | 3/4 |
| h2 | 5 1/2 | | |
| m1 | 3 15/16 | | |
| m2 | 2 3/4 | | |
| n1 | 7 1/2 | | |
| n2 | 5 1/2 | | |
| s | 9/16 | | |
| w | 10 3/4 | | |
| C | 3 1/16 | | |
| D | 5 1/2 | | |
| DN | 1 1/4 | | |
| K | 3 15/16 | | |
| n° | 3/16 | | |
| øn | 3/4 | | |




Remarks:

| Project | Project ID | Created by | Created on | Last update |
|---|---|---|---|---|
| | | | **8/10/2022** | |

# Performance curves
## 6IR32-125A

| Revision no | Page: |
|---|---|
| | 2 |

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

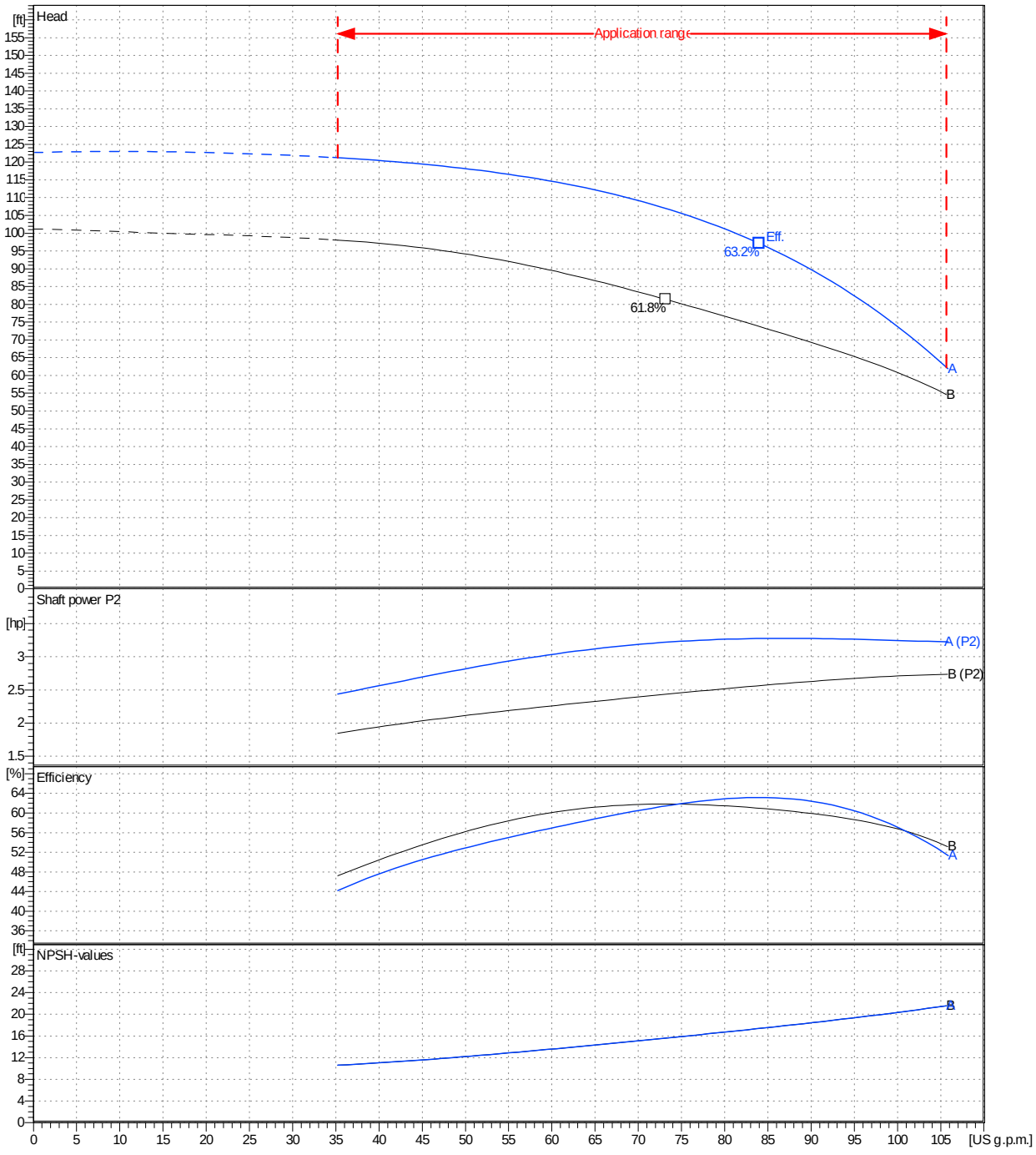
| Operating area | Flow | | Head | |
|---|---|---|---|---|
| Operating data specification | 0 | US g.p.m. | 0 | ft |
| Pump data | | US g.p.m. | | ft |

| | Flow | | | Head | | Shaft power P2 | | |
|---|---|---|---|---|---|---|---|---|
| | Min. | Max. | η Max. | H(Q=0) | η Max. | P2(Q=0) | Max. | η Max. |
| | US g.p.m. | US g.p.m. | US g.p.m. | ft | ft | hp | hp | hp |
| | 35.2 | 106 | 84 | 123 | 97.1 | | 3.28 | 3.27 |

| | |
|---|---|
| Impeller type | |
| Impeller construction | Closed |
| Sense of rotation | Clockwise from the drive end |
| Outlet width | DN 32 |
| Speed rpm | 3600 |
| Frequency Hz | 60 Hz |

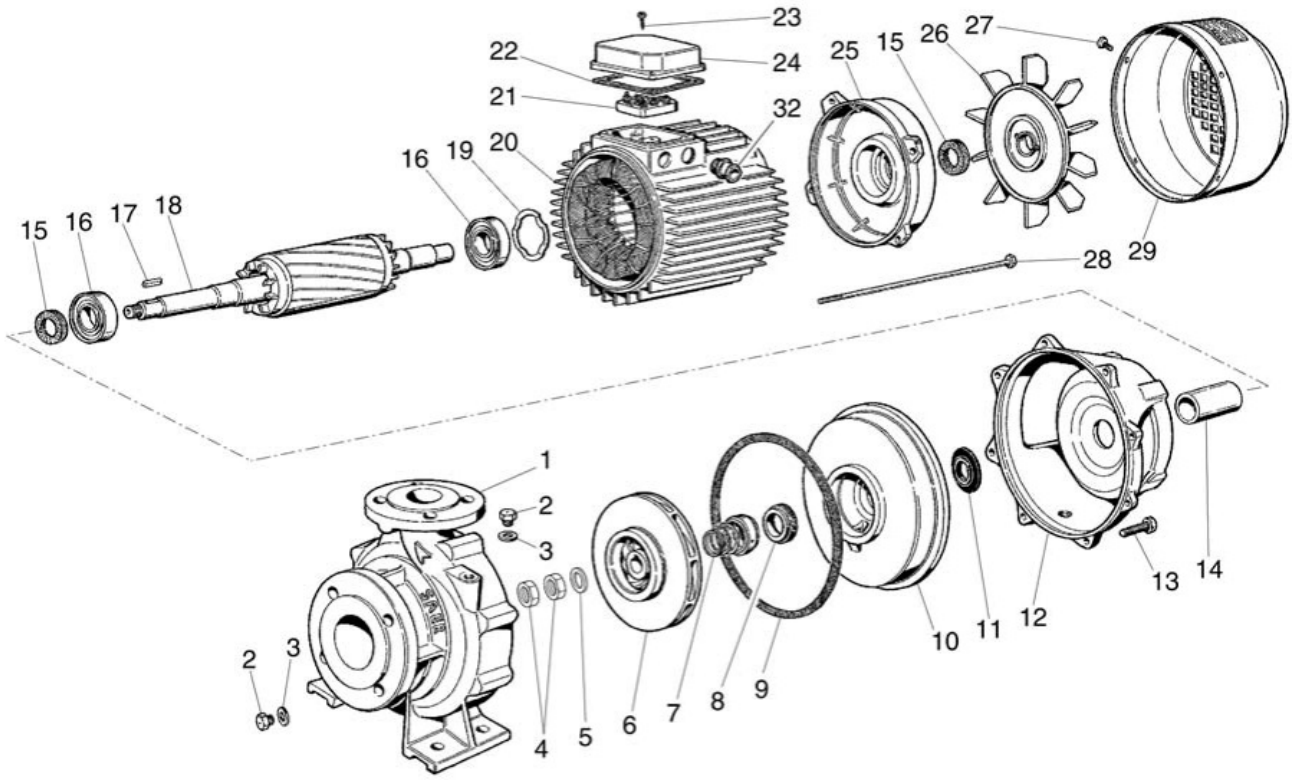
Performance data based to: Water, pure [100%] ; 68°F; 62.3lb/ft³; 1.08E-5ft²/s

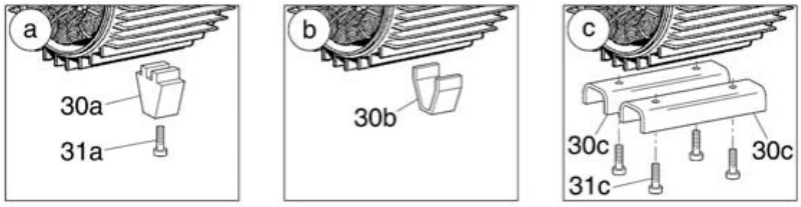
UNI EN ISO 9906:2012 - Grade 3B




| Project | Project ID | Created by | Created on | Last update |
|---|---|---|---|---|
| | | | 8/10/2022 | |

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




| Project | Project ID | Created by | Created on<br>**8/10/2022** | Last update |
|---|---|---|---|---|