



Technical data

IR32-160SA

Revision no

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Receiver

From

Company name

Respons. Department

Person in charge

Phone number

Fax no

E-mail address



Operating data specification

|                           |             |         |
|---------------------------|-------------|---------|
| Nominal flow              | m³/h        | 0       |
| Nominal head              | m           | 0       |
| Static head               | m           | 0       |
| NPSH - value of plant     | m           | 0       |
| Inlet pressure            | bar         | 0,09793 |
| Fluid                     | Water, pure |         |
| Operating temperature t A | °C          | 20      |
| Density at t A            | kg/m³       | 998,3   |
| Kin. viscosity at t A     | mm²/s       | 1,005   |

Pump

|                          |                 |              |      |
|--------------------------|-----------------|--------------|------|
| Pump name                | IR32-160SA      |              |      |
| Size                     | 50/32/160       |              |      |
| MEI (Reg. 547/2002 EU) > | 0,5             |              |      |
| Speed rpm                | 2900            | No of stages | 1    |
| Impeller type            | Radial impeller |              |      |
| Flow                     | Nominal         | m³/h         |      |
|                          | Max-            | m³/h         | 30   |
|                          | Min-            | m³/h         | 6,31 |
| Head                     | Nominal         | m            |      |
|                          | Max-            | m            | 40,8 |
|                          | Min-            | m            | 26,6 |
| Head H(Q=0)              | m 41,4          |              |      |
| NPSH 3%                  | m               |              |      |
| Max. working pressure    | bar 4,05        |              |      |
| Shaft power              | kW              |              |      |
| Efficiency               | %               |              |      |
| Max absorbed power       | kW 3,8805       |              |      |

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

|                      |              |                  |       |     |      |
|----------------------|--------------|------------------|-------|-----|------|
| Manufacturer / Type  | SAER         | 112-2P-5,5       |       |     |      |
| Efficiency           | IEC 60034-30 | IE2              |       |     |      |
| Rated power          | kW           | 4                |       |     |      |
| Number of poles      | 2            | Frame size       | 112   |     |      |
| Electric current     | A            | 7,5 A            | Speed | rpm | 2895 |
| Electric voltage     | V            | 400 V            | 3~    | Hz  | 50   |
| Starting mode        | Star-delta   |                  |       |     |      |
| Degree of protection | IP 55        | Insulation class | F     |     |      |

Dimensions in mm

|    |     |     |           |     |           |
|----|-----|-----|-----------|-----|-----------|
| a  | 80  | DNM |           | DNA |           |
| b  | 50  | C   | 78        | C   | 102       |
| f  | 427 | D   | 140       | D   | 165       |
| h1 | 132 | DN  | 32        | DN  | 50        |
| h2 | 160 | K   | 100       | K   | 125       |
| m1 | 100 | n°  | 4 x 19 mm | n°  | 4 x 19 mm |
| m2 | 70  |     |           |     |           |
| n1 | 240 |     |           |     |           |
| n2 | 190 |     |           |     |           |
| s  | 14  |     |           |     |           |
| w  | 304 |     |           |     |           |





Remarks:

Project

Project ID

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