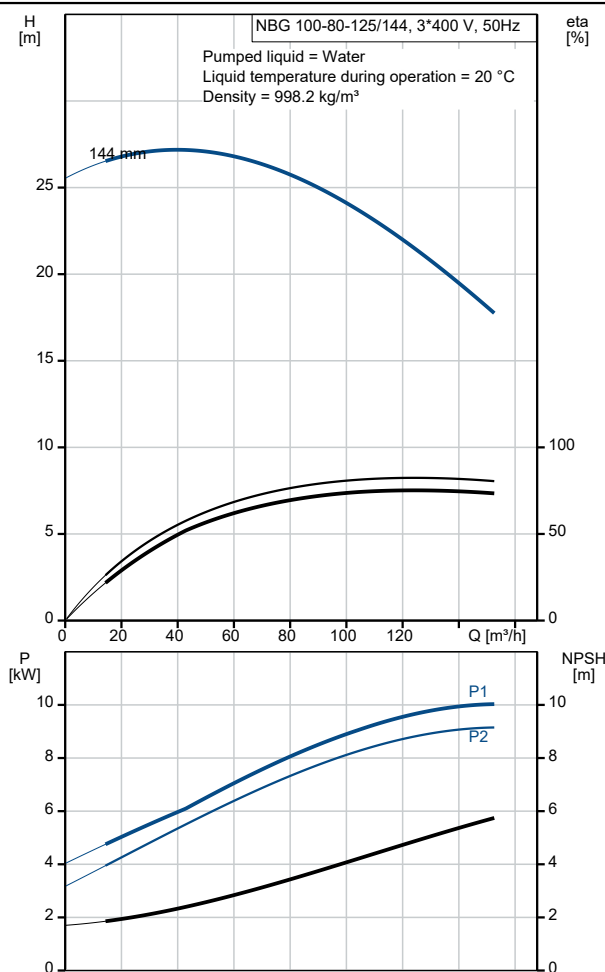


| Description                              | Value                                |
|--|--------------------------------------|
| <b>General information:</b>              |                                      |
| Product name:                            | NBG 100-80-125/144<br>AAF2AESBAQENW1 |
| Product No:                              | On request                           |
| EAN number:                              | On request                           |
| <b>Technical:</b>                        |                                      |
| Pump speed on which pump data are based: | 2940 rpm                             |
| Rated flow:                              | 126.5 m³/h                           |
| Rated head:                              | 20.76 m                              |
| Actual impeller diameter:                | 144 mm                               |
| Nominal impeller diameter:               | 125                                  |
| Shaft seal arrangement:                  | Single                               |
| Shaft diameter:                          | 24 mm                                |
| Code for shaft seal:                     | BAQE                                 |
| Curve tolerance:                         | ISO9906:2012 3B                      |
| Pump version:                            | A                                    |
| Bearing design:                          | Standard                             |
| <b>Materials:</b>                        |                                      |
| Pump housing:                            | Cast iron                            |
| Pump housing:                            | EN-GJL-250                           |
| Pump housing:                            | ASTM class 35                        |
| Wear ring:                               | Brass                                |
| Impeller:                                | Cast iron                            |
| Impeller:                                | EN-GJL-200                           |
| Impeller:                                | ASTM class 30                        |
| Internal pump house coating:             | CED                                  |
| Material code:                           | A                                    |
| Code for rubber:                         | E                                    |
| Shaft:                                   | Stainless steel                      |
| Shaft:                                   | EN 1.4301                            |
| Shaft:                                   | AISI 304                             |
| <b>Installation:</b>                     |                                      |
| t max amb:                               | 60 °C                                |
| Maximum operating pressure:              | 16 bar                               |
| Pipe connection standard:                | EN 1092-2                            |
| Size of inlet connection:                | DN 100                               |
| Size of outlet connection:               | DN 80                                |
| Pressure rating for connection:          | PN 16                                |
| Bearing lubrication:                     | Grease                               |
| Pump housing with feet:                  | Yes                                  |
| Support block (Yes/No):                  | N                                    |
| Connect code:                            | F2                                   |
| <b>Liquid:</b>                           |                                      |
| Pumped liquid:                           | Water                                |
| Liquid temperature range:                | 0 .. 120 °C                          |
| Selected liquid temperature:             | 20 °C                                |
| Density:                                 | 998.2 kg/m³                          |
| <b>Electrical data:</b>                  |                                      |
| Motor type:                              | 160MA                                |
| IE Efficiency class:                     | IE3                                  |
| Rated power - P2:                        | 11 kW                                |
| Mains frequency:                         | 50 Hz                                |
| Rated voltage:                           | 3 x 380-415D/660-690Y V              |
| Rated current:                           | 20,4-18,4/11,6-10,6 A                |
| Starting current:                        | 785-760 %                            |
| Cos phi - power factor:                  | 0.89                                 |
| Rated speed:                             | 2940 rpm                             |
| Efficiency:                              | IE3 91,2%                            |
| Motor efficiency at full load:           | 91.2-91.2 %                          |



| Description                      | Value                         |
|----------------------------------|-------------------------------|
| Motor efficiency at 3/4 load:    | 91.3-91.2 %                   |
| Motor efficiency at 1/2 load:    | 90.3-90.2 %                   |
| Number of poles:                 | 2                             |
| Enclosure class (IEC 34-5):      | 55 (Protect. water jets/dust) |
| Insulation class (IEC 85):       | F                             |
| Built-in motor protection:       | PTC                           |
| Motor No:                        | 99313153                      |
| Mount. design. acc. IEC 34-7:    | IM B35                        |
| Bearing insulation type N-end:   | STEEL BEARING                 |
| <b>Controls:</b>                 |                               |
| Frequency converter:             | NONE                          |
| Pressure sensor:                 | N                             |
| <b>Others:</b>                   |                               |
| Minimum efficiency index, MEI ≥: | 0.70                          |
| Net weight:                      | 146 kg                        |
| Gross weight:                    | 171 kg                        |
| Shipping volume:                 | 0.707 m <sup>3</sup>          |
| Sales region:                    | CN                            |