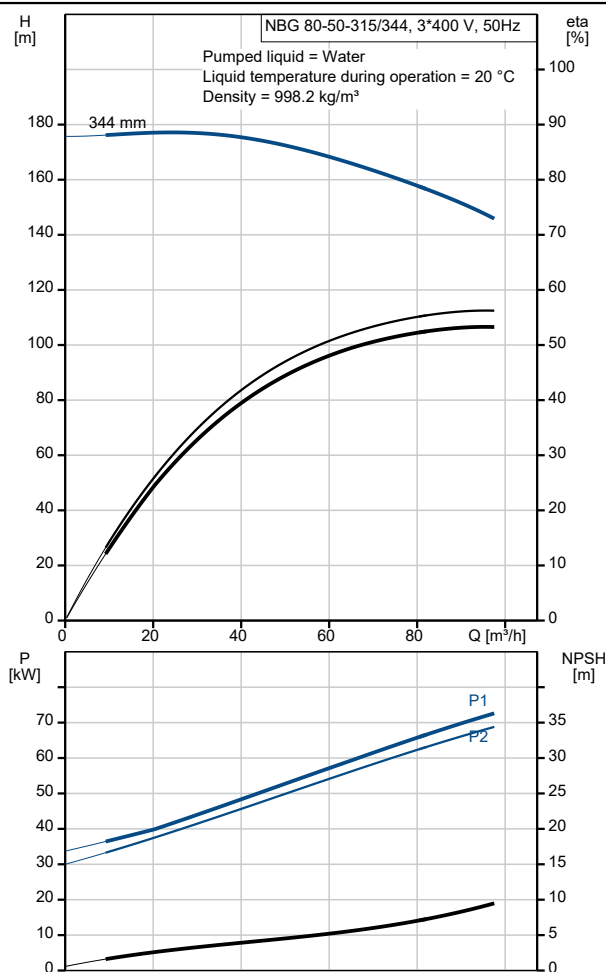


| Description                              | Value                               |
|------------------------------------------|-------------------------------------|
| <b>General information:</b>              |                                     |
| Product name:                            | NBG 80-50-315/344<br>AAF3NESDAQFVW1 |
| Product No:                              | On request                          |
| EAN number:                              | On request                          |
| <b>Technical:</b>                        |                                     |
| Pump speed on which pump data are based: | 2975 rpm                            |
| Rated flow:                              | 95.71 m³/h                          |
| Rated head:                              | 147.1 m                             |
| Actual impeller diameter:                | 344 mm                              |
| Nominal impeller diameter:               | 315                                 |
| Shaft seal arrangement:                  | Single                              |
| Shaft diameter:                          | 32 mm                               |
| Code for shaft seal:                     | DAQF                                |
| Curve tolerance:                         | ISO9906:2012 3B                     |
| Pump version:                            | A                                   |
| Bearing design:                          | Standard                            |
| <b>Materials:</b>                        |                                     |
| Pump housing:                            | Stainless steel                     |
| Pump housing:                            | EN 1.4408                           |
| Pump housing:                            | ASTM CF8M                           |
| Wear ring:                               | Graflon                             |
| Flange:                                  | Cast iron                           |
| Flange:                                  | EN-GJS-500-7                        |
| Flange:                                  | ASTM 70-50-05                       |
| Impeller:                                | Stainless steel                     |
| Impeller:                                | EN 1.4408                           |
| Impeller:                                | ASTM CF8M                           |
| Internal pump house coating:             | No coating                          |
| Material code:                           | N                                   |
| Code for rubber:                         | E                                   |
| Shaft:                                   | Stainless steel                     |
| Shaft:                                   | EN 1.4401                           |
| Shaft:                                   | AISI 316                            |
| <b>Installation:</b>                     |                                     |
| t max amb:                               | 55 °C                               |
| Maximum operating pressure:              | 25 bar                              |
| Pipe connection standard:                | EN 1092-1                           |
| Size of inlet connection:                | DN 80                               |
| Size of outlet connection:               | DN 50                               |
| Pressure rating for connection:          | PN 25                               |
| Bearing lubrication:                     | Grease                              |
| Pump housing with feet:                  | Yes                                 |
| Support block (Yes/No):                  | N                                   |
| Connect code:                            | F3                                  |
| <b>Liquid:</b>                           |                                     |
| Pumped liquid:                           | Water                               |
| Liquid temperature range:                | 0 .. 140 °C                         |
| Selected liquid temperature:             | 20 °C                               |
| Density:                                 | 998.2 kg/m³                         |
| <b>Electrical data:</b>                  |                                     |
| Motor type:                              | SIEMENS                             |
| IE Efficiency class:                     | IE3                                 |
| Rated power - P2:                        | 75 kW                               |
| Mains frequency:                         | 50 Hz                               |
| Rated voltage:                           | 3 x 220-240D/380-420Y V             |
| Rated current:                           | 225/128 A                           |
| Starting current:                        | 680-680 %                           |
| Cos phi - power factor:                  | 0.89                                |



| Description                            | Value                |
|----------------------------------------|----------------------|
| Rated speed:                           | 2975 rpm             |
| Efficiency:                            | IE3 94,7%            |
| Motor efficiency at full load:         | 94.7-94.7 %          |
| Motor efficiency at 3/4 load:          | 94.8-94.8 %          |
| Motor efficiency at 1/2 load:          | 94.1-94.1 %          |
| Number of poles:                       | 2                    |
| Enclosure class (IEC 34-5):            | IP55                 |
| Insulation class (IEC 85):             | F                    |
| Built-in motor protection:             | PTC                  |
| Motor No:                              | 83U05440             |
| 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 $\geq$ : | 0.49                 |
| Net weight:                            | 663 kg               |
| Gross weight:                          | 689 kg               |
| Shipping volume:                       | 0.848 m <sup>3</sup> |