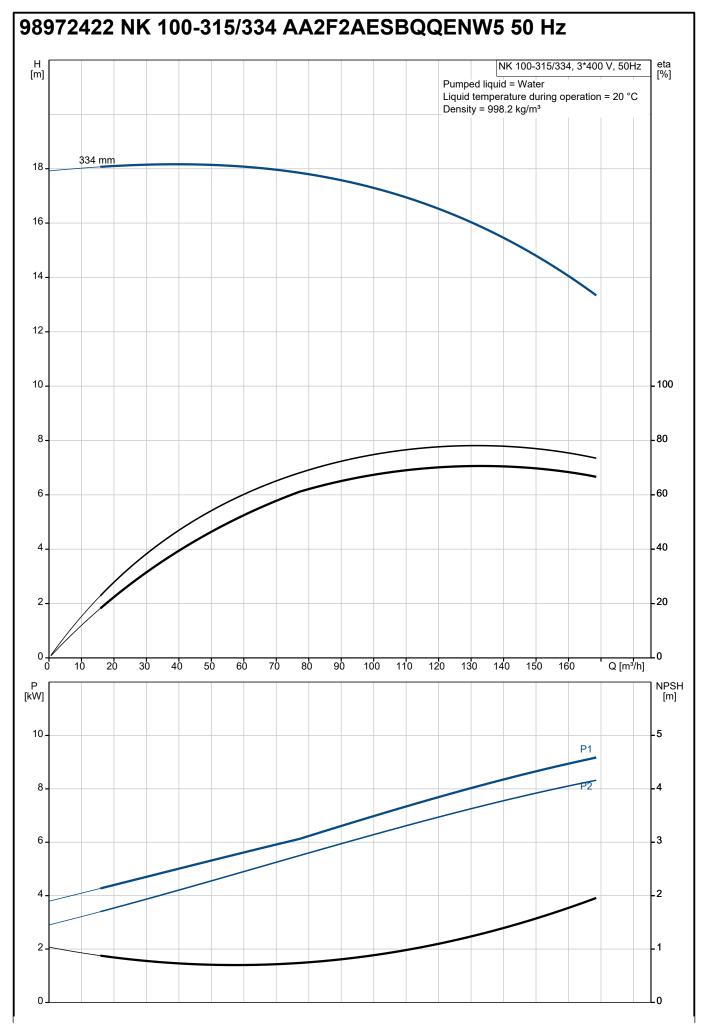
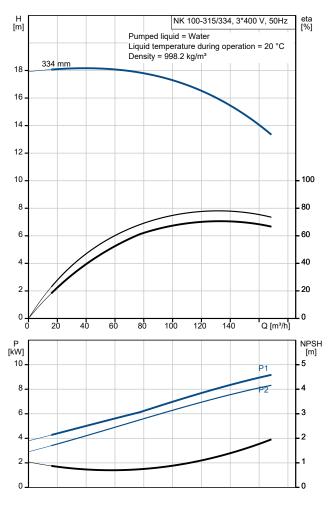


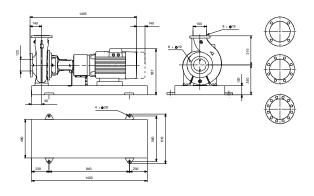
| Qty. | Description | | | | | | |
|------|---|---------------------------|--|--|--|--|--|
| 1 | The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. Electrical tolerances comply with IEC 60034. | | | | | | |
| | The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1. The motor has thermistors (PTC sensors) in the windings in accordance with DIN 44081/DIN 44082. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions. Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations. The motor can be connected to a variable speed drive for adjustment of pump performance to any duty point. Grundfos CUE offers a range of variable speed drives. Please find more information in Grundfos Product Center. | | | | | | |
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| | Further product details Cast-iron parts have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particle a thin, well-controlled layer on the surface. | | | | | | |
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| | Controls: | | | | | | |
| | Frequency converter: Pressure sensor: | NONE N | | | | | |
| | Pressure sensor: | | | | | | |
| | Liquid: | | | | | | |
| | Pumped liquid: | Water | | | | | |
| | Liquid temperature range: | -25 120 °C | | | | | |
| | Selected liquid temperature: Density: | 20 °C 998.2 kg/m³ | | | | | |
| | Technical: | | | | | | |
| | Pump speed on which pump date | • | | | | | |
| | Rated flow: | 130.3 m³/h | | | | | |
| | Pump with motor (Yes/No): | Y | | | | | |
| | Rated head: | 15.72 m | | | | | |
| | Actual impeller diameter: | 334 mm | | | | | |
| | Nominal impeller diameter: | 315 | | | | | |
| | Code for shaft seal: | BQQE | | | | | |
| | Mechanical seal type: Curve tolerance: | Single ISO9906:2012 3B | | | | | |
| | Bearing design: | Standard | | | | | |
| | Materials: | | | | | | |
| | Pump housing: | Cast iron | | | | | |
| | | EN-GJL-250 | | | | | |
| | | ASTM class 35 | | | | | |
| | Wear ring: | Brass | | | | | |
| | Impeller: | Cast iron | | | | | |
| | | EN-GJL-200 | | | | | |
| | Internal nump house costing: | ASTM class 30 CED | | | | | |
| | Internal pump house coating: Shaft: | Stainless steel | | | | | |
| | | EN 1.4301 | | | | | |
| | | AISI 304 | | | | | |
| | Installation: | | | | | | |
| | t max amb: | 55 °C | | | | | |
| | Maximum operating pressure: | 16 bar | | | | | |
| | Pipe connection standard: | EN 1092-2 | | | | | |
| | Type of inlet connection: | DIN | | | | | |
| | Type of outlet connection: | DIN | | | | | |
| | Size of inlet connection: | DN 125 | | | | | |
| | Size of outlet connection: | DN 100 | | | | | |
| | Pressure rating for connection: | PN 16 | | | | | |
| | Coupling type: | Flexible w/spacer | | | | | |

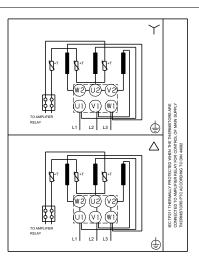
| Qty. | Description | | | |
|------|---|----------------------------------|--|--|
| 1 | Base frame design: | EN/ISO | | |
| | Code for base frame: | 7 | | |
| | Grouting (Yes/No): | Ν | | |
| | Electrical data: | | | |
| | Motor type: | SIEMENS | | |
| | IE Efficiency class: | IE3 | | |
| | Rated power - P2: | 11 kW | | |
| | Mains frequency: | 50 Hz 3 x 380-420D/660-725Y V | | |
| | Rated voltage: Rated current: | 22.0/12.7 A | | |
| | Starting current: | 680-680 % | | |
| | Cos phi - power factor: | 0.80 | | |
| | Rated speed: | 980 rpm | | |
| | Efficiency: | IE3 90,3% | | |
| | Motor efficiency at full load: | 90.3-90.3 % | | |
| | Motor efficiency at 3/4 load: | 90.7-90.7 % | | |
| | Motor efficiency at 1/2 load: Number of poles: | 89.8-89.8 % 6 | | |
| | Enclosure class (IEC 34-5): | IP55 | | |
| | Insulation class (IEC 85): | F | | |
| | Motor No: | 98957460 | | |
| | Bearing insulation type N-end: | STEEL BEARING | | |
| | Others: | | | |
| | Minimum efficiency index, MEI ≥ | | | |
| | Net weight: | 363 kg | | |
| | Gross weight: Shipping volume: | 390 kg 0.801 m³ | | |
| | Country of origin: | HU | | |
| | Custom tariff no.: | 84137059 | | |
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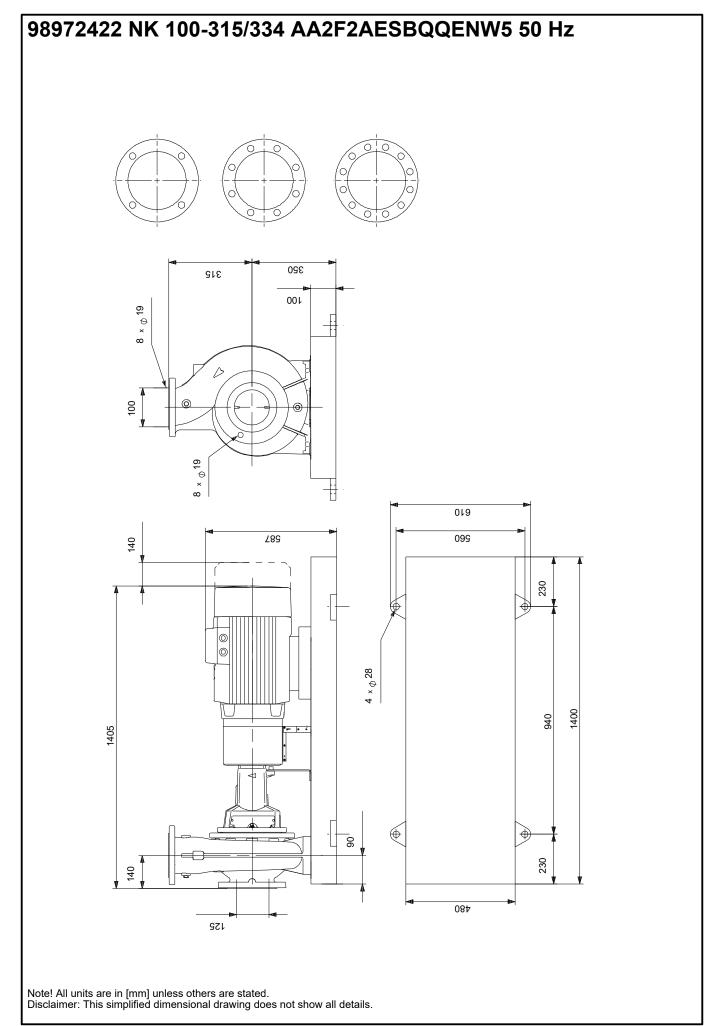
| Description | Value | |
|--|-----------------------------------|--|
| General information: | | |
| Product name: | NK 100-315/334 AA2F2AESBQQENW5 | |
| Product No: | 98972422 | |
| EAN number: | 5712604484975 | |
| Technical: | | |
| Pump speed on which pump data are based: | 980 rpm | |
| Rated flow: | 130.3 m³/h | |
| Pump with motor (Yes/No): | Y | |
| Rated head: | 15.72 m | |
| Actual impeller diameter: | 334 mm | |
| Nominal impeller diameter: | 315 | |
| Shaft diameter: | 32 mm | |
| Code for shaft seal: | BQQE | |
| Mechanical seal type: | Single | |
| Curve tolerance: | ISO9906:2012 3B | |
| Pump version: | A2 | |
| Bearing design: | Standard | |
| Materials: | | |
| 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: | F | |
| Shaft: | Stainless steel | |
| Shaft: | EN 1.4301 | |
| Shaft: | AISI 304 | |
| installation: | | |
| t max amb: | 55 °C | |
| Maximum operating pressure: | 16 bar | |
| Pipe connection standard: | EN 1092-2 | |
| Type of inlet connection: | DIN | |
| Type of outlet connection: | DIN | |
| Size of inlet connection: | DN 125 | |
| Size of outlet connection: | DN 100 | |
| Pressure rating for connection: | PN 16 | |
| Coupling type: | Flexible w/spacer | |
| Base frame design: | EN/ISO | |
| Code for base frame: | 7 | |
| Grouting (Yes/No): | N | |
| Connect code: | F | |
| Liquid: | • | |
| Pumped liquid: | Water | |
| Liquid temperature range: | -25 120 °C | |
| Selected liquid temperature: | 20 °C | |
| Density: | 998.2 kg/m ³ | |
| Electrical data: | 550.2 Ng/11 | |
| Motor type: | SIEMENS | |
| E Efficiency class: | IE3 | |
| - | 11 kW | |
| | 50 Hz | |
| • | | |
| Mains frequency: | 2 x 200 420D/660 705V V | |
| Mains frequency: Rated voltage: | 3 x 380-420D/660-725Y V | |
| Rated power - P2: Mains frequency: Rated voltage: Rated current: | 22.0/12.7 A | |
| Mains frequency: Rated voltage: Rated current: Starting current: | 22.0/12.7 A 680-680 % | |
| Mains frequency: Rated voltage: Rated current: Starting current: Cos phi - power factor: | 22.0/12.7 A 680-680 % 0.80 | |
| Mains frequency: Rated voltage: Rated current: Starting current: | 22.0/12.7 A 680-680 % | |

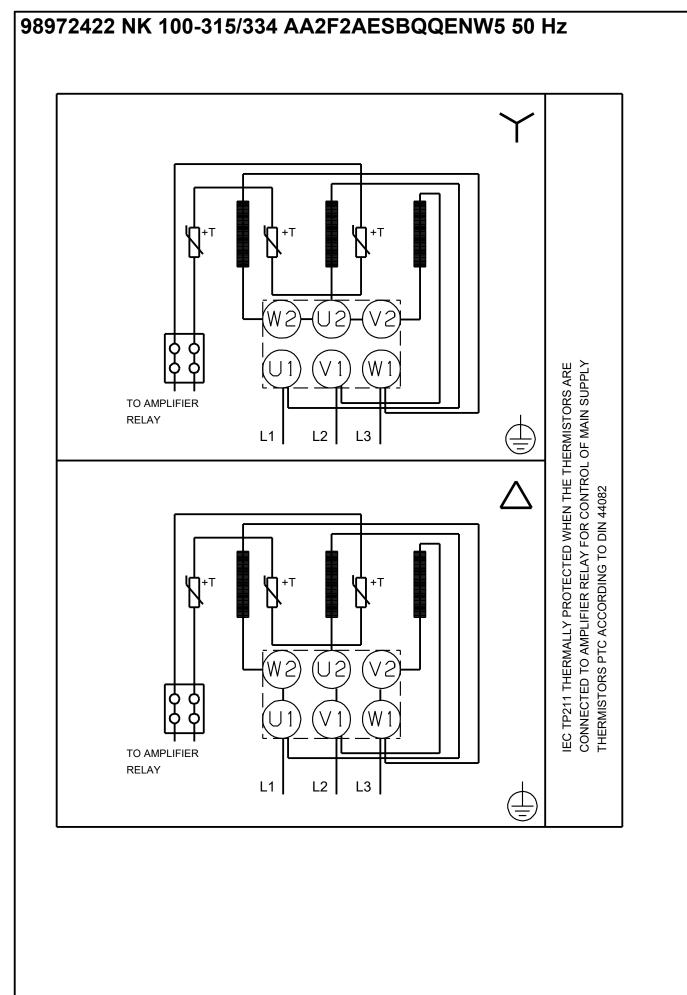






| Description | Value | | |
|----------------------------------|---------------|--|--|
| Motor efficiency at 3/4 load: | 90.7-90.7 % | | |
| Motor efficiency at 1/2 load: | 89.8-89.8 % | | |
| Number of poles: | 6 | | |
| Enclosure class (IEC 34-5): | IP55 | | |
| Insulation class (IEC 85): | F | | |
| Built-in motor protection: | PTC | | |
| Motor No: | 98957460 | | |
| Bearing insulation type N-end: | STEEL BEARING | | |
| Controls: | | | |
| Frequency converter: | NONE | | |
| Pressure sensor: | Ν | | |
| Others: | | | |
| Minimum efficiency index, MEI ≥: | 0.70 | | |
| Net weight: | 363 kg | | |
| Gross weight: | 390 kg | | |
| Shipping volume: | 0.801 m³ | | |
| Country of origin: | HU | | |
| Custom tariff no.: | 84137059 | | |





Note! All units are in [mm] unless others are stated.

| Order Data: | | | | | | | |
|-------------|-----------|----------------|--------|------------|-------------------|--|--|
| Position | Your pos. | Product name | Amount | Product No | Total | | |
| | | NK 100-315/334 | 1 | 98972422 | Price o reques | | |
| | | | | | reques | | |
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