Qty. | Description

1 CRN 1S-8 A-P-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: On request

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless steel. Power transmission is via a rigid split coupling. Pipe connection is via PJE (Victaulic®) couplings.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

Liquid:

Pumped liquid: Water
Liquid temperature range: -20 .. 120 °C
Selected liquid temperature: 20 °C
Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 2873 rpm

Rated flow: 0.9 m³/h
Rated head: 32.5 m
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQE

Approvals: CE,EAC,UKCA,SEPRO

Approvals for drinking water: WRAS,ACS
Curve tolerance: ISO9906:2012 3B

Materials:

Base: Stainless steel

EN 1.4408 AISI 316

Impeller: Stainless steel

EN 1.4401 AISI 316

Bearing: SIC

Installation:

t max amb: 60 °C Maximum operating pressure: 25 bar

Max pressure at stated temp: 25 bar / 120 °C

25 bar / -20 $^{\circ}\text{C}$

Type of connection: PJE
Size of inlet connection: DN 32
Size of outlet connection: DN 32
Pressure rating for connection: PN 50
Flange size for motor: FT85

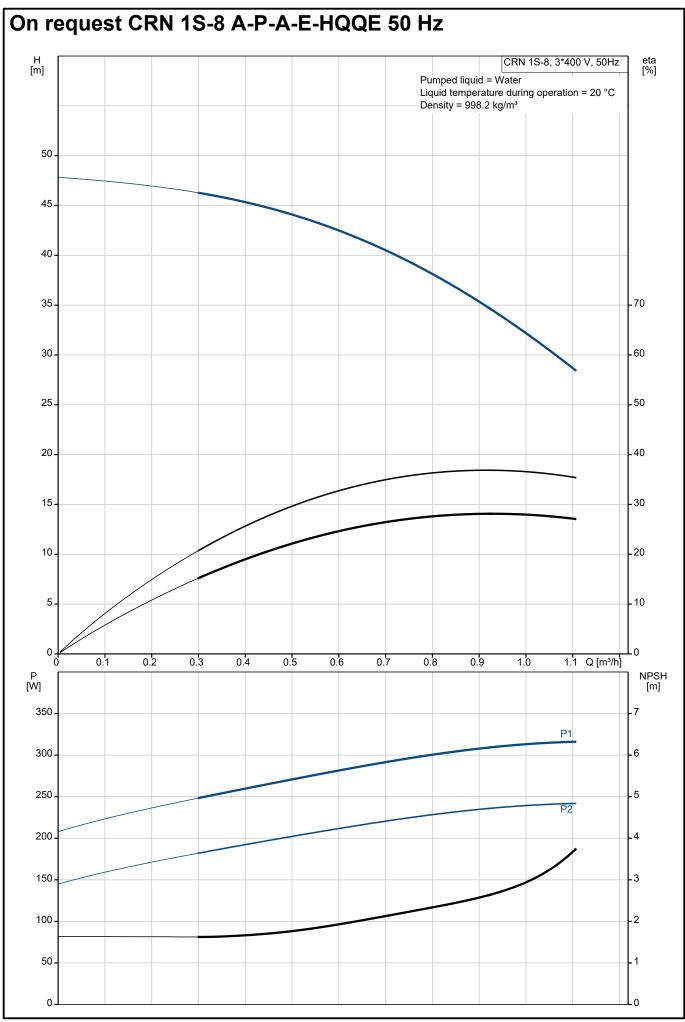
Electrical data:

Motor standard: IEC
Motor type: 71A
IE Efficiency class: IE3
Rated power - P2: 0.37 kW
Power (P2) required by pump: 0.37 kW
Mains frequency: 50 Hz

Rated voltage: 3 x 220-240D/380-415Y V

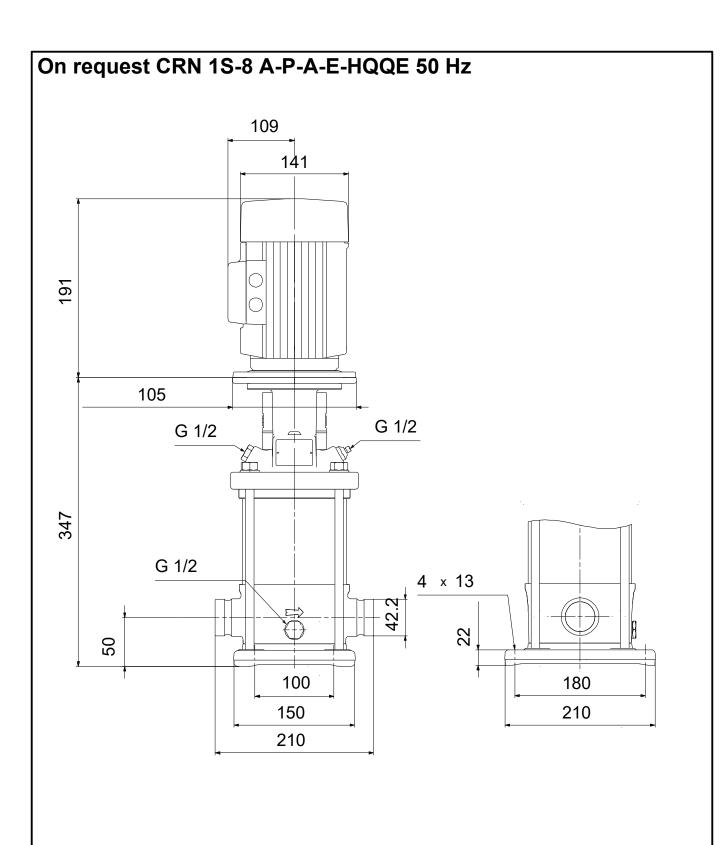
Rated current: 1.74/1.00 A

Description Starting current: 490-530 % Cos phi - power factor: 0.80-0.70 Rated speed: 2850-2880 rpm Efficiency: IE3 73,8% Motor efficiency at full load: 73.8 % Motor efficiency at 3/4 load: 79.0 % Motor efficiency at 1/2 load: 75.5 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85805102 Controls: Frequency converter: NONE Others: Minimum efficiency index, MEI ≥: 0.54 Net weight: 18.6 kg Gross weight: 21.3 kg Shipping volume: 0.063 m³ Danish VVS No.: 385910508 Country of origin: GB Custom tariff no.: 84137075



| Description | Value | H [m] | | CRN 1S-8, 3*400 V, 50Hz |] |
|--|----------------------------|--------------|------------------|---|-------------|
| General information: | | _ | | Pumped liquid = Water Liquid temperature during operation = 20 °C | 1 |
| Product name: | CRN 1S-8 A-P-A-E-HQQE | 50 - | | Density = 998.2 kg/m³ | |
| Product No: | On request | 45 - | | | |
| EAN number: | On request | 40 • | | | |
| Technical: | · | 40 - | | | 1 |
| Pump speed on which pump data are based: | 2873 rpm | 35 - | | | 70 |
| Rated flow: | 0.9 m³/h | | | | |
| Rated head: | 32.5 m | 30 - | | | 60 |
| Maximum head: | 47.5 m | | | | L 50 |
| Stages: | 8 | | | | Γ |
| Impellers: | 8 | 20 - | | | 40 |
| Number of reduced-diameter impellers: | 0 | | | | |
| Low NPSH: | N | 15 - | | | 30 |
| Pump orientation: | Vertical | 10 - | | | L 20 |
| Shaft seal arrangement: | Single | |] , | | Γ |
| Code for shaft seal: | HQQE | 5 - | | | 10 |
| Approvals: | CE,EAC,UKCA,SEPRO | | | | |
| | | 0- | 0.1 0. | 2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 Q [m³/h] | Дo |
| Approvals for drinking water: Curve tolerance: | WRAS,ACS | P [W] | | | ۱ [|
| • | ISO9906:2012 3B | _ • | | P1 | t |
| Pump version: | A | 300 - | | | -6 |
| Model: | A | 250 - | | | _5 |
| Materials: | Otalinlass steel | | | P2 | |
| Base: | Stainless steel | 200 - | | | + 4 |
| Base: | EN 1.4408 | 150 - | | | 3 |
| Base: | AISI 316 | 100 - | | | _2 |
| Impeller: | Stainless steel | | | | <u> </u> |
| Impeller: | EN 1.4401 | 50 - | | | †1 |
| Impeller: | AISI 316 | 0 - | | | \perp_{0} |
| Material code: | A | | | 109 | |
| Code for rubber: | E | * | <u> </u> | 109 | |
| Bearing: | SIC | _ | | | |
| Installation: | | | [| | |
| t max amb: | 60 °C | | H | J | |
| Maximum operating pressure: | 25 bar | 191 | Ų | | |
| Max pressure at stated temp: | 25 bar / 120 °C | | ζ | | |
| Max pressure at stated temp: | 25 bar / -20 °C | | 105 | | |
| Type of connection: | PJE | | G 1/2 | G 1/2 | |
| Size of inlet connection: | DN 32 | | | | |
| Size of outlet connection: | DN 32 | 347 | T | | |
| Pressure rating for connection: | PN 50 | ň | G 1/2 | | |
| Flange size for motor: | FT85 | | 2 1/2 | 4 × 13 | |
| Connect code: | Р | 20 | | | |
| Liquid: | | 2 | - f | 100 180 | |
| Pumped liquid: | Water | | | 150 210 | |
| Liquid temperature range: | -20 120 °C | | | 210 | |
| Selected liquid temperature: | 20 °C | | | | |
| Density: | 998.2 kg/m³ | . 🔊 | | HIGH VOLTAGE DIRECTION OF ROTATION | |
| Electrical data: | | | | | |
| Motor standard: | IEC | | r | - <u></u> | |
| Motor type: | 71A | | 111 | | |
| IE Efficiency class: | IE3 | - L | | <u>}</u> K® i'ii ⁻¹ | |
| Rated power - P2: | 0.37 kW | | | K® ~+ 3 | |
| Power (P2) required by pump: | 0.37 kW | _ | | | |
| Mains frequency: | 50 Hz | - ' | | | |
| Rated voltage: | 3 x 220-240D/380-415Y V | | | LOW VOLTAGE DIRECTION OF ROTATION | |
| Rated current: | 1.74/1.00 A | - "" | J - | | |
| Starting current: | 490-530 % | - 7 | | - | |
| Cos phi - power factor: | 0.80-0.70 | - 🕰 | n ' | | |
| Rated speed: | 2850-2880 rpm | - - | '- }- | \$ | |
| Efficiency: | IE3 73,8% | - | ۲- | | |
| Motor efficiency at full load: | | - _ | | | |
| wotor emolericy at full load: | 73.8 % | 4 | | | |

| Description | Value | | |
|----------------------------------|-----------------|--|--|
| Motor efficiency at 3/4 load: | 79.0 % | | |
| Motor efficiency at 1/2 load: | 75.5 % | | |
| Number of poles: | 2 | | |
| Enclosure class (IEC 34-5): | 55 Dust/Jetting | | |
| Insulation class (IEC 85): | F | | |
| Built-in motor protection: | NONE | | |
| Motor No: | 85805102 | | |
| Controls: | | | |
| Frequency converter: | NONE | | |
| Others: | | | |
| Minimum efficiency index, MEI ≥: | 0.54 | | |
| Net weight: | 18.6 kg | | |
| Gross weight: | 21.3 kg | | |
| Shipping volume: | 0.063 m³ | | |
| Danish VVS No.: | 385910508 | | |
| Country of origin: | GB | | |
| Custom tariff no.: | 84137075 | | |



Note! All units are in [mm] unless others are stated. Disclaimer: This simplified dimensional drawing does not show all details.

On request CRN 1S-8 A-P-A-E-HQQE 50 Hz **HIGH VOLTAGE DIRECTION OF ROTATION** LOW VOLTAGE **DIRECTION OF ROTATION** Note! All units are in [mm] unless others are stated.

| Order Data: | | | | | | | |
|-------------|-----------|--------------|--------|------------|------------------|--|--|
| Position | Your pos. | Product name | Amount | Product No | Total | | |
| | | CRN 1S-8 | 1 | On request | Price on request | | |
| | | | | | request | | |
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