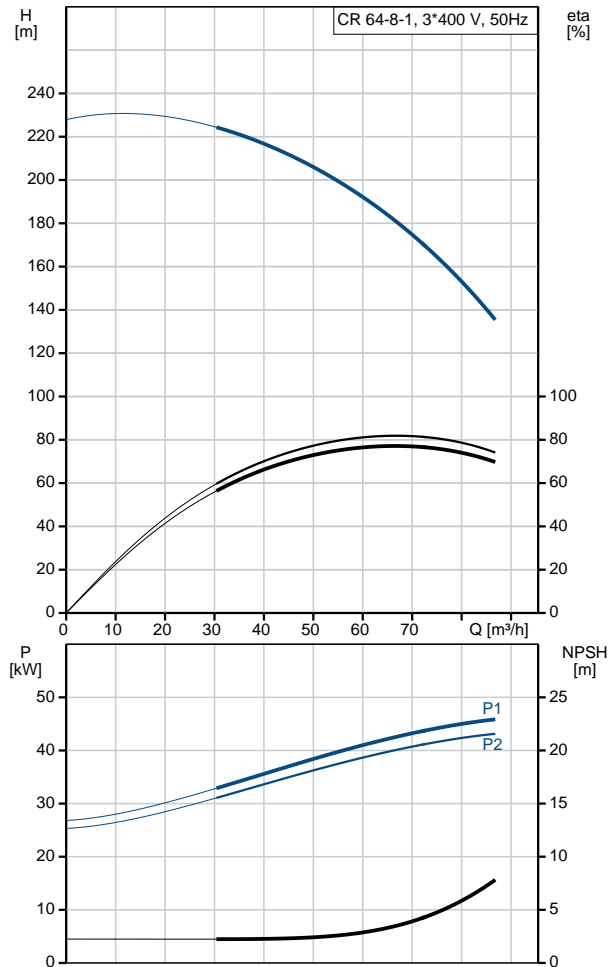


| Qty. | Description |
|------|---|
| 1 | <p data-bbox="199 338 491 369">CR 64-8-1A-F-A-V-HQQV</p> <div data-bbox="316 405 448 875" style="text-align: center;">  </div> <p data-bbox="592 882 1075 907" style="text-align: center;">Note! Product picture may differ from actual product</p> <p data-bbox="199 913 469 940">Product No.: 96123569</p> <p data-bbox="199 972 1455 1072">Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via DIN flanges.</p> <p data-bbox="199 1115 935 1142">The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p data-bbox="199 1173 316 1200">Controls:</p> <p data-bbox="199 1205 638 1232">Frequency converter: NONE</p> <p data-bbox="199 1263 288 1290">Liquid:</p> <p data-bbox="199 1294 638 1321">Pumped liquid: Water</p> <p data-bbox="199 1326 692 1352">Liquid temperature range: -20 .. 90 °C</p> <p data-bbox="199 1357 628 1384">Selected liquid temperature: 20 °C</p> <p data-bbox="199 1388 778 1415">Density at selected liquid temperature: 998.2 kg/m³</p> <p data-bbox="199 1447 327 1473">Technical:</p> <p data-bbox="199 1478 820 1505">Pump speed on which pump data are based: 2960 rpm</p> <p data-bbox="199 1509 651 1536">Rated flow: 64 m³/h</p> <p data-bbox="199 1541 657 1568">Rated head: 181.3 m</p> <p data-bbox="199 1572 651 1599">Pump orientation: Vertical</p> <p data-bbox="199 1603 638 1630">Shaft seal arrangement: Single</p> <p data-bbox="199 1635 638 1662">Code for shaft seal: HQQV</p> <p data-bbox="199 1666 667 1693">Approvals on nameplate: CE, EAC</p> <p data-bbox="199 1697 762 1724">Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="199 1756 320 1783">Materials:</p> <p data-bbox="199 1787 833 1854">Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06</p> <p data-bbox="199 1859 727 1926">Impeller: Stainless steel EN 1.4301 AISI 304</p> <p data-bbox="199 1957 651 2002">Bearing: SIC</p> <p data-bbox="199 2007 651 2033">Support bearing: Graflon</p> <p data-bbox="199 2042 343 2069">Installation:</p> <p data-bbox="199 2074 628 2101">Maximum ambient temperature: 55 °C</p> |

| Qty. | Description |
|------|---|
| | <p>Maximum operating pressure: 30 bar Max pressure at stated temp: 30 bar / 90 °C 30 bar / -20 °C</p> <p>Type of connection: DIN Size of inlet connection: DN 100 Size of outlet connection: DN 100 Pressure rating for pipe connection: PN 40 Flange size for motor: FF400</p> <p>Electrical data: Motor standard: IEC Motor type: SIEMENS IE Efficiency class: IE3 Rated power - P2: 45 kW Power (P2) required by pump: 45 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-420D/660-725Y V Rated current: 81,0-74,0/47,0-43,0 A Starting current: 690-690 % Cos phi - power factor: 0.89 Rated speed: 2960 rpm Efficiency: IE3 94,0% Motor efficiency at full load: 94.0-94.0 % Motor efficiency at 3/4 load: 94.5-94.5 % Motor efficiency at 1/2 load: 94.4-94.4 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 81U15336</p> <p>Others: Minimum efficiency index, MEI $\hat{\alpha}\%$: 0.70 Net weight: 448 kg Gross weight: 498 kg Shipping volume: 1.13 m³ Country of origin: GB Custom tariff no.: 84137075</p> |

| Description | Value |
|--|--|
| General information: | |
| Product name: | CR 64-8-1A-F-A-V-HQQV |
| Product No: | 96123569 |
| EAN number: | 5700396697796 |
| Technical: | |
| Pump speed on which pump data are based: | 2960 rpm |
| Rated flow: | 64 m ³ /h |
| Rated head: | 181.3 m |
| Head max: | 224.4 m |
| Stages: | 8 |
| Impellers: | 8 |
| Number of reduced-diameter impellers: | 1 |
| Low NPSH: | N |
| Pump orientation: | Vertical |
| Shaft seal arrangement: | Single |
| Code for shaft seal: | HQQV |
| Approvals on nameplate: | CE, EAC |
| Curve tolerance: | ISO9906:2012 3B |
| Pump version: | A |
| Model: | B |
| Materials: | |
| Base: | Cast iron EN 1563 EN-GJS-500-7 |
| Impeller: | ASTM A536 80-55-06 Stainless steel EN 1.4301 AISI 304 |
| Material code: | A |
| Code for rubber: | V |
| Bearing: | SIC |
| Support bearing: | Graflon |
| Installation: | |
| Maximum ambient temperature: | 55 °C |
| Maximum operating pressure: | 30 bar |
| Max pressure at stated temp: | 30 bar / 90 °C 30 bar / -20 °C |
| Type of connection: | DIN |
| Size of inlet connection: | DN 100 |
| Size of outlet connection: | DN 100 |
| Pressure rating for pipe connection: | PN 40 |
| Flange size for motor: | FF400 |
| Connect code: | F |
| Liquid: | |
| Pumped liquid: | Water |
| Liquid temperature range: | -20 .. 90 °C |
| Selected liquid temperature: | 20 °C |
| Density at selected liquid temperature: | 998.2 kg/m ³ |
| Electrical data: | |
| Motor standard: | IEC |
| Motor type: | SIEMENS |
| IE Efficiency class: | IE3 |
| Rated power - P2: | 45 kW |
| Power (P2) required by pump: | 45 kW |
| Mains frequency: | 50 Hz |
| Rated voltage: | 3 x 380-420D/660-725Y V |





Company name:

Created by:

Phone:

Date:

08/05/2019

| Description | Value |
|--|-----------------------|
| Rated current: | 81,0-74,0/47,0-43,0 A |
| Starting current: | 690-690 % |
| Cos phi - power factor: | 0.89 |
| Rated speed: | 2960 rpm |
| Efficiency: | IE3 94,0% |
| Motor efficiency at full load: | 94.0-94.0 % |
| Motor efficiency at 3/4 load: | 94.5-94.5 % |
| Motor efficiency at 1/2 load: | 94.4-94.4 % |
| Number of poles: | 2 |
| Enclosure class (IEC 34-5): | 55 Dust/Jetting |
| Insulation class (IEC 85): | F |
| Motor protec: | PTC |
| Motor No: | 81U15336 |
| Controls: | |
| Frequency converter: | NONE |
| Others: | |
| Minimum efficiency index, MEI η_{min} : | 0.70 |
| Net weight: | 448 kg |
| Gross weight: | 498 kg |
| Shipping volume: | 1.13 m ³ |
| Country of origin: | GB |
| Custom tariff no.: | 84137075 |