| | GRUNDFO | ns X | Company name: Created by: Phone: | | | | |
|-----|--|------------------------|--|--|--|--|--|
| | | | Date: | 07/05/2019 | | | |
| ty. | Description | | | | | | |
| 1 | CRI 1-5A-CA-A-V-HQQV | | | | | | |
| | | | | | | | |
| | Product No.: 96516341 | | | | | | |
| | contact with the liquid are in stail | nless steel. A cartric | lae shaft seal ens | ne the level (inline). Pump materials in sures high reliability, safe handling, and easy Pipe connection is via FlexiClamps. | | | |
| | The pump is fitted with a 3-phase | e, fan-cooled asyncl | hronous motor. | | | | |
| | Controls: | | | | | | |
| | Frequency converter: | NONE | | | | | |
| | Liquid: | | | | | | |
| | Pumped liquid: | Water | | | | | |
| | Liquid temperature range: | -20 90 °C | | | | | |
| | Selected liquid temperature: | 20 °C | | | | | |
| | Density at selected liquid temper | | 3 | | | | |
| | | | | | | | |
| | Technical: Pump speed on which pump dat | a are based: 2873 | rom | | | | |
| | Rated flow: | $1.8 \text{ m}^{3/h}$ | ipin | | | | |
| | Rated head: | 24.9 m | | | | | |
| | | - | | | | | |
| | Pump orientation: | Vertical | | | | | |
| | Shaft seal arrangement: | Single | | | | | |
| | Code for shaft seal: | HQQV | | | | | |
| | Approvals on nameplate: | CE, EAC | | | | | |
| | Curve tolerance: | ISO9906:2012 3B | | | | | |
| | Materials: | | | | | | |
| | Base: | Stainless steel | | | | | |
| | | EN 1.4408 | | | | | |
| | | AISI 316 | | | | | |
| | Impeller: | Stainless steel | | | | | |
| | | EN 1.4301 | | | | | |
| | | AISI 304 | | | | | |
| | Bearing: | SIC | | | | | |
| | Installation: | | | | | | |
| | Maximum ambient temperature: | 40 °C | | | | | |
| | Maximum operating pressure: | 25 bar | | | | | |
| | Max pressure at stated temp: | 25 bar / 90 °C | | | | | |
| | | 25 bar / -20 °C | | | | | |
| | Type of connection: | FlexiClamp | | | | | |
| | Size of inlet connection: | DN 32 | | | | | |
| | | 1 1/4 inch | | | | | |
| | Size of outlet connection: | DN 32 | | | | | |
| | | 1 1/4 inch | | | | | |
| | Pressure rating for pipe connect | | | | | | |
| | Flange size for motor: | FT85 | | | | | |



Company name: Created by: Phone:

| Description Electrical data: Motor standard: IEC Motor type: 71A IE Efficiency class: IE3 Rated power -P2: 0.37 kW Mains frequency: 50 Hz Rated voltage: 3 x 220-2400/380-415Y V Rated voltage: 3 x 220-2400/380-415Y V Rated voltage: 3 x 220-2400/380-415Y V Rated voltage: 0.80-0.70 Rated speed: 2850-2880 rpm Efficiency: IE3 73.8% Motor efficiency at 3/4 load: 73.8 % Motor efficiency at 3/4 load: 73.8 % Motor efficiency at 3/4 load: 75.5 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 65): F Minimum efficiency index, MEI 8%-¥: 0.70 Net weight: 20.2 kg Shipping volume: 0.054 m³ Country of origin: 0.84137075 | | | |
|--|------------------------------|-------------------------|--|
| Motor standard:IECMotor type:71AIE Efficiency class:IE3Rated power - P2:0.37 kWPower (P2) required by pump:0.37 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated current:1.74/1.00 AStarting current:490-530 %Cos phi - power factor:0.80-0.70Rated speed:2850-2880 rpmEfficiency at full load:73.8 %Motor efficiency at full load:73.8 %Motor efficiency at J/2 load:75.5 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85805102Others:Minimum efficiency index, MEI $\frac{3}{200}$ Met weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | - | | |
| Motor type:71AIE Efficiency class:IE3Rated power - P2:0.37 kWPower (P2) required by pump:0.37 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated current:1.74/1.00 AStarting current:490-530 %Cos phi - power factor:0.80-0.70Rated speed:2850-2880 rpmEfficiency:IE3 73,8%Motor efficiency at full load:73.8 %Motor efficiency at 3/4 load:79.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 34-5):FMotor No:85805102Others:Minimum efficiency index, MEI $\frac{3}{6}$ Minimum efficiency index, MEI $\frac{3}{6}$ Station20.2 kgShipping volume:0.054 m³Country of origin:GB | | | |
| IE Efficiency class:IE3Rated power - P2: 0.37 kW Power (P2) required by pump: 0.37 kW Mains frequency: 50 Hz Rated voltage: $3 \times 220-240D/380-415Y \text{ V}$ Rated current: $1.74/1.00 \text{ A}$ Starting current: $490-530 \%$ Cos phi - power factor: $0.80-0.70$ Rated speed: $2850-2880 \text{ rpm}$ Efficiency:IE3 73,8%Motor efficiency at full load: 73.8% Motor efficiency at 1/2 load: 79.0% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 45): F Motor No: 85805102 Others:Minimum efficiency index, MEI $3\% *$:0.70Net weight:17.6 kg 50.2 kg Shipping volume: 0.054 m^3 Country of origin: GB | | | |
| Rated power - P2: 0.37 kW Power (P2) required by pump: 0.37 kW Mains frequency: 50 Hz Rated voltage: $3 \times 220-240D/380-415 \text{ VV}$ Rated current: $1.74/1.00 \text{ A}$ Starting current: $490-530 \%$ Cos phi - power factor: $0.80-0.70$ Rated speed: $2850-2880 \text{ rpm}$ Efficiency:IE3 73,8%Motor efficiency at full load: 73.8% Motor efficiency at J/l load: 79.0% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: 85805102 Others:Minimum efficiency index, MEI $3\% \not 20.2 \text{ kg}$ Shipping volume: 0.054 m^3 Country of origin: GB | | 71A | |
| Power (P2) required by pump: 0.37 kW Mains frequency: 50 Hz Rated voltage: $3 \times 220-240D/380-415Y \text{ V}$ Rated current: $1.74/1.00 \text{ A}$ Starting current: $490-530 \text{ \%}$ Cos phi - power factor: $0.80-0.70$ Rated speed: $2850-2880 \text{ rpm}$ Efficiency:IE3 73,8%Motor efficiency at full load: 73.8 \% Motor efficiency at $3/4 \log d$: 79.0 \% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: 85805102 Others:Minimum efficiency index, MEI 3% ¥:0.70Net weight:17.6 kgGross weight: 20.2 kg Shipping volume: 0.054 m^3 Country of origin:GB | IE Efficiency class: | IE3 | |
| Power (P2) required by pump: 0.37 kW Mains frequency: 50 Hz Rated voltage: $3 \times 220-240D/380-415Y \text{ V}$ Rated current: $1.74/1.00 \text{ A}$ Starting current: $490-530 \text{ \%}$ Cos phi - power factor: $0.80-0.70$ Rated speed: $2850-2880 \text{ rpm}$ Efficiency:IE3 73,8%Motor efficiency at full load: 73.8 \% Motor efficiency at $3/4 \log d$: 79.0 \% Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85):FMotor No: 85805102 Others:Minimum efficiency index, MEI 3% ¥:0.70Net weight:17.6 kgGross weight: 20.2 kg Shipping volume: 0.054 m^3 Country of origin:GB | Rated power - P2: | 0.37 kW | |
| Mains frequency:50 HzRated voltage: $3 \times 220-240D/380-415Y V$ Rated current: $1.74/1.00 A$ 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 $3/4 \log d$: 79.0% Number of poles: 2 Enclosure class (IEC 34-5): $55 Dust/Jetting$ Insulation class (IEC 85):FMotor No: 85805102 Others:Minimum efficiency index, MEI ≥: 0.70 $7.6 kg$ Sross weight: $20.2 kg$ Shipping volume: $0.054 m^3$ Country of origin:GB | Power (P2) required by pump: | 0.37 kW | |
| Rated voltage: $3 \times 220-240D/380-415Y V$ Rated current: $1.74/1.00 A$ 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% Number of poles: 2 Enclosure class (IEC 34-5): $55 Dust/Jetting$ Insulation class (IEC 85):FMotor No: 85805102 Others:Minimum efficiency index, MEI 3% : 0.70 Net weight: $17.6 kg$ Gross weight: $20.2 kg$ Shipping volume: $0.054 m^3$ Country of origin: GB | | | |
| Rated current: $1.74/1.00 \text{ A}$ Starting current: $490-530 \%$ Cos phi - power factor: $0.80-0.70$ Rated speed: $2850-2880 \text{ rpm}$ 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 34-5): F Motor No: 85805102 Others:Minimum efficiency index, MEI $å\%$ ¥: 0.70 Net weight: 17.6 kg Gross weight: 20.2 kg Shipping volume: 0.054 m^3 Country of origin: GB | | 3 x 220-240D/380-415Y V | |
| 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):FMotor No: 85805102 Others:Minimum efficiency index, MEI $\ \% \ \%$:0.70Net weight:17.6 kgGross weight: $20.2 \ kg$ Shipping volume: $0.054 \ m^3$ Country of origin:GB | | | |
| Cos phi - power factor: $0.80-0.70$ Rated speed: $2850-2880$ rpmEfficiency: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/JettingInsulation class (IEC 85):FMotor No: 85805102 Others:Minimum efficiency index, MEI ≥:0.70Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Gountry of origin:Gas diagonal constructionGB | | | |
| Rated speed: $2850-2880$ rpmEfficiency: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:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No: 85805102 Others:Minimum efficiency index, MEI $\frac{3}{4}$ % ¥:0.70Net weight:17.6 kgGross weight: 20.2 kgShipping volume: 0.054 m³Country of origin:GB | | | |
| 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:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85805102Others:Minimum efficiency index, MEI \hat{a}_{∞} ¥:0.70Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | | | |
| 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:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85805102Others:Minimum efficiency index, MEI ≥:0.70Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | | | |
| Motor efficiency at 3/4 load:79.0 %Motor efficiency at 1/2 load:75.5 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85805102Others:Minimum efficiency index, MEI ≥:0.7017.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | | | |
| Motor efficiency at 1/2 load:75.5 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85805102Others:Minimum efficiency index, MEI ≥: 0.70Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | | | |
| Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85805102Others:Others:0.70Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | | | |
| Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85805102 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 17.6 kg Gross weight: 20.2 kg Shipping volume: 0.054 m³ Country of origin: GB | | | |
| Insulation class (IEC 85): F Motor No: 85805102 Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 17.6 kg Gross weight: 20.2 kg Shipping volume: 0.054 m³ Country of origin: GB | | | |
| Motor No:85805102Others:Minimum efficiency index, MEI ≥:0.70Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | | | |
| Others:Minimum efficiency index, MEI ≥: 0.70Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | | | |
| Minimum efficiency index, MEI ≥:0.70Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | MOTOL NO: | 85805102 | |
| Minimum efficiency index, MEI ≥:0.70Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | Others: | | |
| Net weight:17.6 kgGross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | | ≥: 0.70 | |
| Gross weight:20.2 kgShipping volume:0.054 m³Country of origin:GB | | | |
| Shipping volume:0.054 m³Country of origin:GB | | | |
| Country of origin: GB | | | |
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Company name: Created by: Phone:

| | Date: | 07/05/2019 | | | | | |
|-------------------------|---|---|--|---|---|---|-------------|
| Value | H [m] | | CRI 1-5, 3*400 V, 50Hz | | | | |
| | | | | | | | |
| CRI 1-5A-CA-A-V-HQQV | - | | | | | | |
| 96516341 | 30 | | | | | | |
| 5700396741277 | 30 - | | | | | | |
| | | | | | | | |
| 2873 rpm | 25 - | | | | | | _ |
| 1.8 m³/h | | | | | | | |
| 24.9 m | 20 - | | | | | | - 80 |
| 31.6 m | _ | | | | | | |
| 5 | 15 - | | | | | | - 60 |
| 5 | | | | | | | |
| 0 | 10 | | | | | \sim | |
| Ν | 10- | | | | | ~ | - 40 |
| Vertical | - | | | | | | |
| Single | 5 - | | | | | | - 20 |
| HQQV | | | | | | | |
| CE, EAC | | | | | | | |
| ISO9906:2012 3B | 0 0.2 | 0.4 0.6 0.8 | 1.0 1.2 | 1.4 1.6 1. | 8 2.0 | Q [m³/ | |
| A | P | | | | | | ` |
| A | | | | | | | ┼┢ |
| | 350 - | | | | | P1 | 7 |
| Stainless steel | 300 - | | | | | | -6 |
| EN 1.4408 | 250 - | | | | | D 2 | - 5 |
| AISI 316 | _ | | | | | PZ | 4 |
| Stainless steel | | | | | | | |
| EN 1.4301 | | | | | | / | -3 |
| AISI 304 | 100 - | | | | | | -2 |
| A | 50 - | | | | | | |
| V | 0 | | | | | | |
| SIC | | | | | | | |
| | | | | | | | |
| 40 °C | | | | | | | |
| 25 bar | | | | | | | |
| 25 bar / 90 °C | | | | | | | |
| 25 bar / -20 °C | | | | | | | |
| FlexiClamp | | | | | | | |
| DN 32 | | | | | | | |
| 1 1/4 inch | | | | | | | |
| DN 32 | | | | | | | |
| 1 1/4 inch | | | | | | | |
| PN 25 | | | | | | | |
| FT85 | | | | | | | |
| CA | | | | | | | |
| | | | | | | | |
| Water | | | | | | | |
| -20 90 °C | | | | | | | |
| 20 °C | | | | | | | |
| 998.2 kg/m ³ | | | | | | | |
| | | | | | | | |
| IEC | | | | | | | |
| 71A | | | | | | | |
| IE3 | | | | | | | |
| 0.37 kW | | | | | | | |
| 0.37 kW | | | | | | | |
| 50 Hz | | | | | | | |
| | | | | | | | |
| | 1-5A-CA-A-V-HQQV 96516341 5700396741277 2873 rpm 1.8 m³/h 24.9 m 31.6 m 5 5 0 N Vertical Single HQQV CE, EAC ISO9906:2012 3B A A A Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4301 AISI 304 A V SIC 40 °C 25 bar 25 bar 25 bar/ 90 °C 25 bar/ 25 bar/ 90 °C 25 bar/ 25 bar/ 90 °C 25 bar/ 25 bar/ 20 °C 998.2 kg/m ³ IEC 71A IE3 0.37 kW 0.37 kW | Value H CRI 1-5A-CA-A-V-HQQV 96516341 30 5700396741277 25 2873 rpm 1.8 m³/h 24.9 m 31.6 m 5 5 0 15 5 0 N Vertical Single 16 HQQV CE, EAC ISO9906:2012 3B 300 A 350 Stainless steel 20 EN 1.4408 350 AISI 316 300 Stainless steel 150 EN 1.4301 100 A 50 40 °C 25 bar 25 bar / 90 °C 20 0 °C 71 /4 inch PN 25 FT85 CA Water -20 °C -20 °C 998.2 kg/m³ IEC 71A IE3 0.37 kW <t< td=""><td>Value H CRI 1-5A-CA-A-V-HQQV 96516341 30 5700396741277 30 2873 rpm 1.8 m³/h 24.9 m 31.6 m 5 5 0 N Vertical 15 Single 15 HQQV CE, EAC ISO9906:2012 3B A A 350 Stainless steel EN 1.4408 EIN 1.4408 AISI 316 Stainless steel 150 EIN 1.4301 150 AA 0°C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 20 °C FR85 CA Water -2090 °C -2090 °C 20 °C 998.2 kg/m³ IEC 71A IE3 0.37 kW 0.37 kW</td><td>Value Image: market in the image: market in the</td><td>Value Image: mail of the system CRI -CRA-V-HQQV 96516341 30 5700396741277 25 2873 rpm 1.8 m³/h 1.8 m³/h 24.9 m 31.6 m 5 5 0 N Vertical Single 10 HQQV </td><td>Value H ER11-5.3*4 CRI 1-5A-CA-A-V-HQQV 30 96516341 30 31 5700396741277 25 26 2873 rpm 1.8 m?/h 20 1.8 m?/h 20 25 9 31.6 m 5 5 0 15 0 N 10 Vertical 300 10 Single HQQV 20 CE, EAC ISO8906:2012 3B A A Stainless steel EN 1.4408 EN 1.4408 100 103 200 201 200 202 200 Stainless steel EN 1.4408 EN 1.4408 100 AA 100 A 25 Stain 25 Stain 25 AB 100 A 20 A 20 Stainless steel EN 1.40 EN 1.40 A V 25</td><td>Value It</td></t<> | Value H CRI 1-5A-CA-A-V-HQQV 96516341 30 5700396741277 30 2873 rpm 1.8 m³/h 24.9 m 31.6 m 5 5 0 N Vertical 15 Single 15 HQQV CE, EAC ISO9906:2012 3B A A 350 Stainless steel EN 1.4408 EIN 1.4408 AISI 316 Stainless steel 150 EIN 1.4301 150 AA 0°C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 25 bar / 90 °C 20 °C FR85 CA Water -2090 °C -2090 °C 20 °C 998.2 kg/m³ IEC 71A IE3 0.37 kW 0.37 kW | Value Image: market in the | Value Image: mail of the system CRI -CRA-V-HQQV 96516341 30 5700396741277 25 2873 rpm 1.8 m³/h 1.8 m³/h 24.9 m 31.6 m 5 5 0 N Vertical Single 10 HQQV | Value H ER11-5.3*4 CRI 1-5A-CA-A-V-HQQV 30 96516341 30 31 5700396741277 25 26 2873 rpm 1.8 m?/h 20 1.8 m?/h 20 25 9 31.6 m 5 5 0 15 0 N 10 Vertical 300 10 Single HQQV 20 CE, EAC ISO8906:2012 3B A A Stainless steel EN 1.4408 EN 1.4408 100 103 200 201 200 202 200 Stainless steel EN 1.4408 EN 1.4408 100 AA 100 A 25 Stain 25 Stain 25 AB 100 A 20 A 20 Stainless steel EN 1.40 EN 1.40 A V 25 | Value It |



Company name: Created by: Phone:

07/05/2019 Date: Description Value Rated current: 1.74/1.00 A 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 protec: NONE 85805102 Motor No: Controls: NONE Frequency converter: Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 17.6 kg Gross weight: 20.2 kg Shipping volume: 0.054 m³ Country of origin: GB Custom tariff no .: 84137075