| Position | Qty. | Description |
|---|---|---|
| | 1 | **CR 125-2-1 A-F-A-V-HQQV** |

Product No.: 99142633

Vertical, multistage centrifugal pump with suction and discharge ports on same the level (in-line) enabling installation in a horizontal one-pipe system. The pump head and base are in cast iron – all other wetted parts are in stainless steel. The Grundfos cartridge shaft seal ensures high reliability, safe handling, easy access and service.

Power transmission is via a rigid split coupling. Pipework connection is via DIN flanges.

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

**Liquid:**

| | |
|---|---|
| Pumped liquid: | Water |
| Liquid temperature range: | -20 .. 90 °C |
| Liquid temperature during operation: | 20 °C |
| Density: | 998.2 kg/m³ |

**Technical:**

| | |
|---|---|
| Rated flow: | 125 m³/h |
| Rated head: | 41.4 m |
| Pump orientation: | Vertical |
| Shaft seal arrangement: | Single |
| Code for shaft seal: | HQQV |
| Curve tolerance: | ISO9906:2012 3B |

**Materials:**

| | |
|---|---|
| Base: | Ductile cast iron<br>EN 1563 EN-GJS-500-7 |
| Impeller: | Stainless steel<br>EN 1.4301 |
| Bearing: | WC/WC |
| Support bearing: | Graflon |
| Material certified according to: | European standards |

**Installation:**

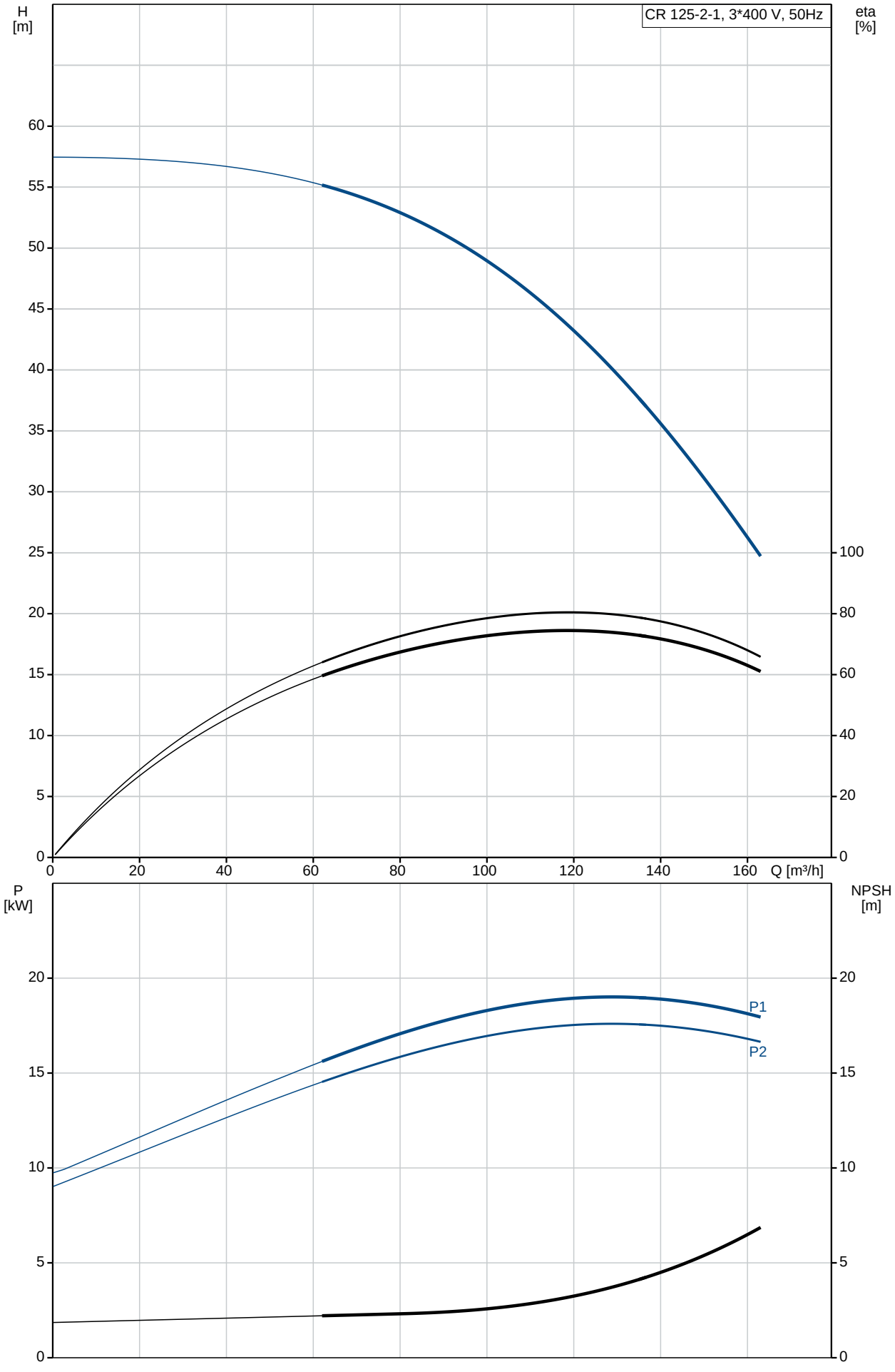
| | |
|---|---|
| Maximum ambient temperature: | 60 °C |
| Maximum operating pressure: | 16 bar |
| Max pressure at stated temp: | 16 bar / 90 °C |
| Type of connection: | DIN |
| Size of inlet connection: | DN 150 |
| Size of outlet connection: | DN 150 |
| Pressure rating for pipe connection: | PN 16 |
| Flange size for motor: | FF300 |

**Electrical data:**

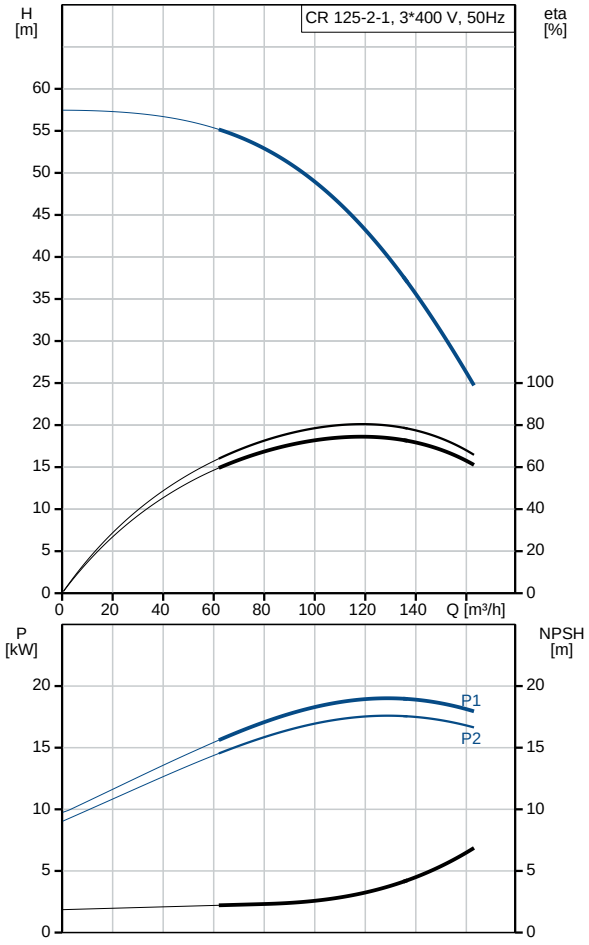
| | |
|---|---|
| Motor standard: | IEC |
| Motor type: | 160LB |
| IE Efficiency class: | IE3 |
| Rated power - P2: | 18.5 kW |
| Power (P2) required by pump: | 18.5 kW |
| Mains frequency: | 50 Hz |
| Rated voltage: | 3 x 380-415D/660-690Y V |
| Rated current: | 34,5-32,5/20,0-18,8 A |
| Starting current: | 830-980 % |

| Position | Qty. | Description | |
|---|---|---|---|
| | | Cos phi - power factor: | 0.89-0.85 |
| | | Rated speed: | 2940-2950 rpm |
| | | Efficiency: | IE3 92,4% |
| | | Motor efficiency at full load: | 92.4-92.4 % |
| | | Motor efficiency at 3/4 load: | 93.2 % |
| | | Motor efficiency at 1/2 load: | 93.2 % |
| | | Number of poles: | 2 |
| | | Enclosure class (IEC 34-5): | 55 Dust/Jetting |
| | | Insulation class (IEC 85): | F |
| | | **Controls:** | |
| | | Frequency converter: | Not prepared for VFD |
| | | **Others:** | |
| | | Net weight: | 268 kg |
| | | Gross weight: | 318 kg |
| | | Shipping volume: | 0.928 $m^3$ |
| | | Thrust handling device: | N |
| | | Approvals: | CE, EAC, ACS, WRAS |
| | | Country of origin: | DK |
| | | Custom tariff no.: | 84137075 |

# 99142633 CR 125-2-1 A-F-A-V-HQQV 50 Hz

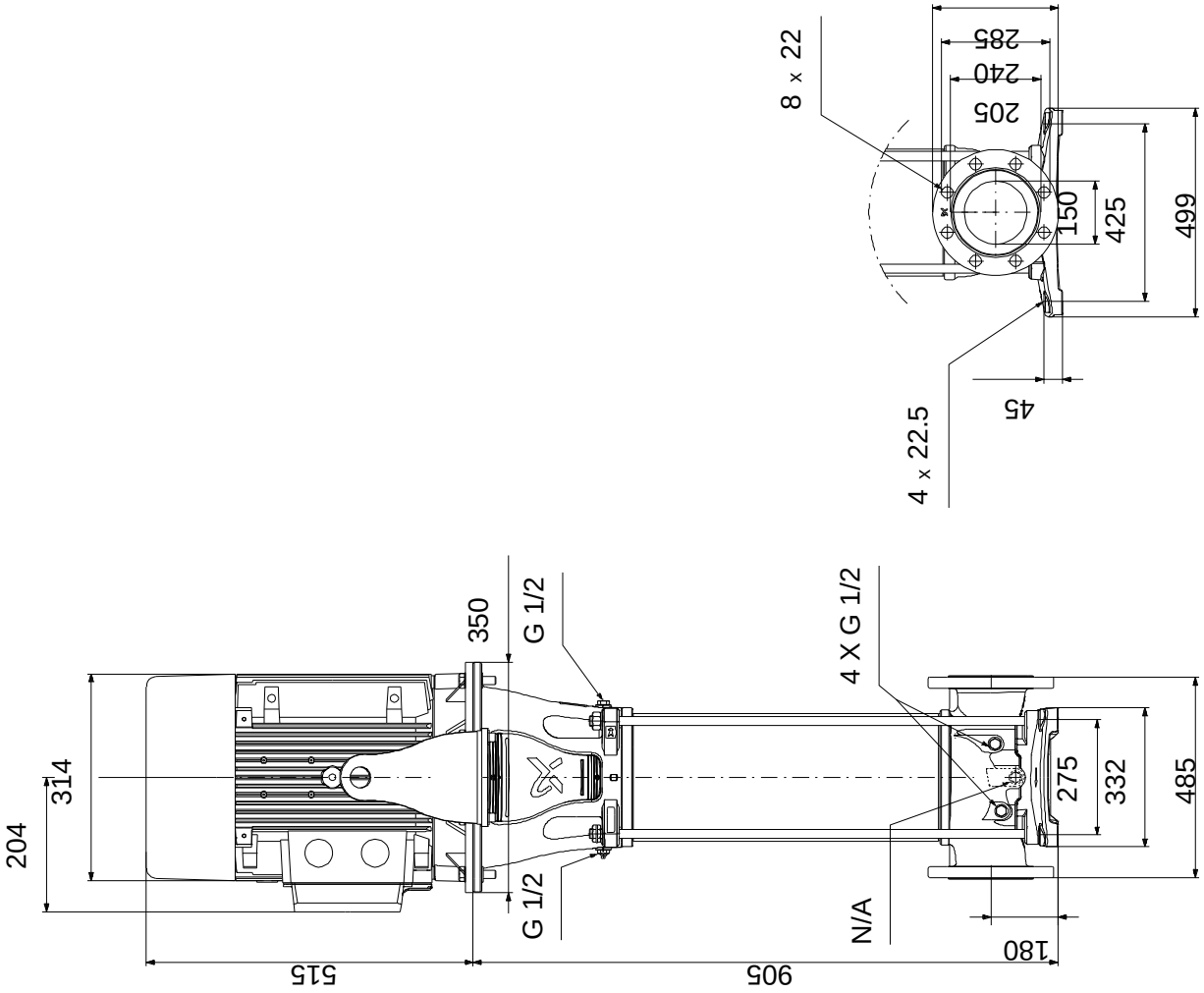


| Description | Value |
|---|---|
| **General information:** | |
| Product name: | CR 125-2-1 A-F-A-V-HQQV |
| Product No: | 99142633 |
| EAN number: | 5712607540838 |
| Price: | 7.009,00 GBP |
| **Technical:** | |
| Rated flow: | 125 m³/h |
| Rated head: | 41.4 m |
| Stages: | 2 |
| Impellers: | 2 |
| Number of reduced-diameter impellers: | 1 |
| Low NPSH: | N |
| Pump orientation: | Vertical |
| Shaft seal arrangement: | Single |
| Code for shaft seal: | HQQV |
| Curve tolerance: | ISO9906:2012 3B |
| Pump version: | A |
| Model: | A |
| Cooling: | IC 411 |
| **Materials:** | |
| Base: | Ductile cast iron |
| | EN 1563 EN-GJS-500-7 |
| Impeller: | Stainless steel |
| | EN 1.4301 |
| Material code: | A |
| Code for rubber: | V |
| Bearing: | WC/WC |
| Support bearing: | Graflon |
| Material certified according to: | European standards |
| **Installation:** | |
| Maximum ambient temperature: | 60 °C |
| Maximum operating pressure: | 16 bar |
| Max pressure at stated temp: | 16 bar / 90 °C |
| Type of connection: | DIN |
| Size of inlet connection: | DN 150 |
| Size of outlet connection: | DN 150 |
| Pressure rating for pipe connection: | PN 16 |
| Flange size for motor: | FF300 |
| Connect code: | F |
| **Liquid:** | |
| Pumped liquid: | Water |
| Liquid temperature range: | -20 .. 90 °C |
| Liquid temperature during operation: | 20 °C |
| Density: | 998.2 kg/m³ |
| **Electrical data:** | |
| Motor standard: | IEC |
| Motor type: | 160LB |
| IE Efficiency class: | IE3 |
| Rated power - P2: | 18.5 kW |
| Power (P2) required by pump: | 18.5 kW |
| Mains frequency: | 50 Hz |
| Rated voltage: | 3 x 380-415D/660-690Y V |
| Rated current: | 34,5-32,5/20,0-18,8 A |
| Starting current: | 830-980 % |
| Cos phi - power factor: | 0.89-0.85 |
| Rated speed: | 2940-2950 rpm |
| Efficiency: | IE3 92,4% |
| Motor efficiency at full load: | 92.4-92.4 % |
| Motor efficiency at 3/4 load: | 93.2 % |
| Motor efficiency at 1/2 load: | 93.2 % |
| Number of poles: | 2 |
| Enclosure class (IEC 34-5): | 55 Dust/Jetting |



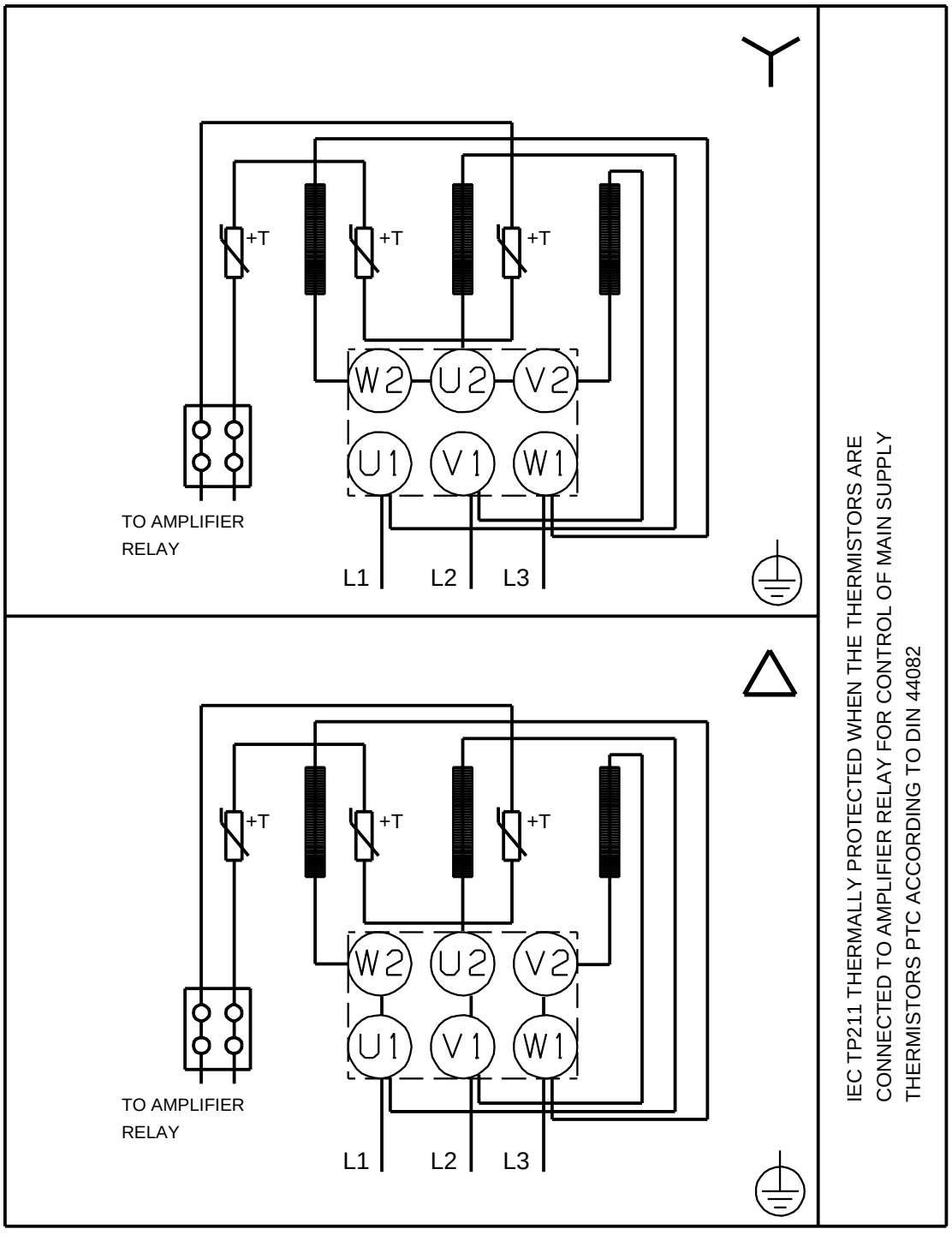
| Description | Value |
|---|---|
| Insulation class (IEC 85): | F |
| Motor protec: | PTC |
| Motor No: | 85U17528 |
| **Controls:** | |
| Frequency converter: | Not prepared for VFD |
| **Others:** | |
| Net weight: | 268 kg |
| Gross weight: | 318 kg |
| Shipping volume: | 0.928 $m^3$ |
| Thrust handling device: | N |
| Approvals: | CE, EAC, ACS, WRAS |
| Country of origin: | DK |
| Custom tariff no.: | 84137075 |

# 99142633 CR 125-2-1 A-F-A-V-HQQV 50 Hz




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

# 99142633 CR 125-2-1 A-F-A-V-HQQV 50 Hz




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