



Specifications

Product name: CRN 45-3-2 A-F-G-E-HQQE
Product No: 96123120
EAN number: 5700396691657
Price: 10.070,00 CHF

Technical

Technical:
Speed for pump data: 2924 rpm
Rated flow: 45 m³/h
Rated head: 50.7 m
Impellers: 3
Impeller reduc.: 2
Primary shaft: HQQE
Curve tolerance: ISO9906:2012 3B
Stages: 3
Pump version: A
Model: A

Materials

Materials:
Pump housing: Stainless steel
Pump housing: DIN W.-Nr. 1.4408
Pump housing: AISI 316 LN
Impeller: Stainless steel
Impeller: DIN W.-Nr. 1.4401
Impeller: AISI 316
Material code: G
Code for rubber: E
Bush material: Graflon

Installation:

Maximum ambient temperature: 60 °C
Max pressure at stated temp: 16 bar / 120 °C
Max pressure at stated temp: 16 bar / -40 °C
Flange standard: DIN
Connect code: F
Pipe connection: DN 80
Pressure stage: PN 16 / PN 25 / PN 40

Flange size for motor: FF300

Liquid

Liquid:

Pumped liquid: Water

Liquid temperature range: -40 .. 120 °C

Liquid temp: 20 °C

Density: 998.2 kg/m³

Electrical data

Electrical data:

Motor type: 160MB

IE Efficiency class: IE3

Number of poles: 2

Rated power - P2: 11 kW

Power (P2) required by pump: 11 kW

Mains frequency: 50 Hz

Rated voltage: 3 x 380-415 D/660-690 Y V

Rated current: 20,8-19,8/12,0-11,8 A

Starting current: 660-780 %

Cos phi - power factor: 0,88-0,84

Rated speed: 2940-2950 rpm

Efficiency: IE3 91,2%

Motor efficiency at full load: 91.2-91.2 %

Motor efficiency at 3/4 load: 91.8 %

Motor efficiency at 1/2 load: 91.3 %

Enclosure class (IEC 34-5):: 55 Dust/Jetting

Insulation class (IEC 85): F

Motor protec: PTC

Motor No: [85U17524](#)

Others

Others:

Label: Grundfos Blueflux

Minimum efficiency index, MEI ≥: 0.7

Net weight: 164 kg

Gross weight: 197 kg

Shipping volume: 0.308 m³