

**Qty. | Description**

1 **CR 5-3 A-FGJ-A-E-HQQE**



Product No.: [99916781](#)

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 combined DIN-ANSI-JIS flanges.

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

**Liquid:**

Pumped liquid: Water  
 Liquid temperature range: -4 .. 248 °F  
 Selected liquid temperature: 68 °F  
 Density: 62.29 lb/ft³

**Technical:**

Pump speed on which pump data are based: 3484 rpm  
 Rated flow: 30.4 US GPM  
 Rated head: 65.29 ft  
 Pump orientation: Vertical  
 Shaft seal arrangement: Single  
 Code for shaft seal: HQQE  
 Approvals: CURUS  
 Approvals for drinking water: NSF/ANSI 61  
 Curve tolerance: ISO9906:2012 3B

**Materials:**

Base: Cast iron  
 EN 1561 EN-GJL-200  
 ASTM A48-25B  
 Impeller: Stainless steel  
 EN 1.4301  
 AISI 304  
 Bearing: SIC

**Installation:**

Max. ambient temperature: 104 °F  
 Maximum operating pressure: 362.59 psi  
 Max pressure at stated temp: 363 psi / 250 °F  
 363 psi / -4 °F

Type of connection: DIN / ANSI / JIS  
 Size of inlet connection: DN 25/32  
 Size of outlet connection: DN 25/32  
 Pressure rating for connection: PN 25  
 Flange rating inlet: 250 lb  
 Flange size for motor: 56C

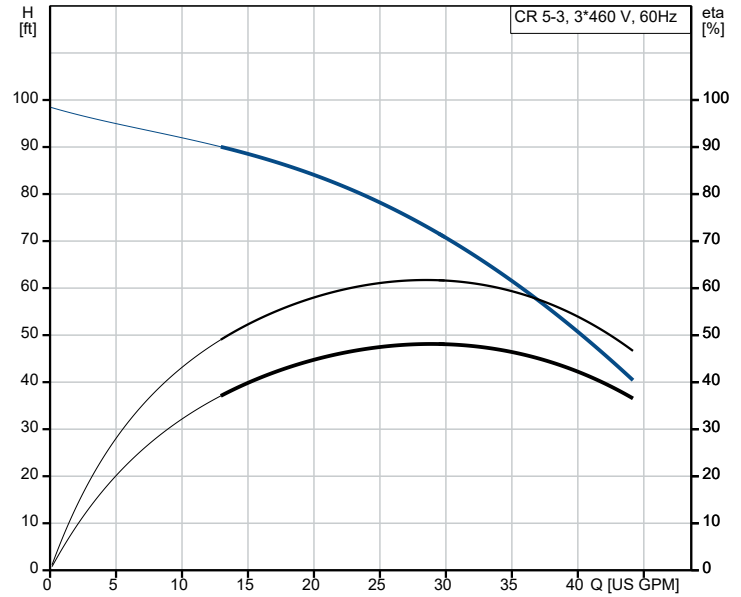
**Electrical data:**

Motor standard: NEMA  
 Motor type: WEG  
 IE Efficiency class: IE3 / NEMA Premium  
 Rated power - P2: 1 HP  
 Power (P2) required by pump: 1 HP  
 Mains frequency: 60 Hz  
 Rated voltage: 3 x 208-230DD/460D V  
 Service factor: 1.15  
 Rated current: 3,32-3,0/1,5 A  
 Starting current: 880-880 %

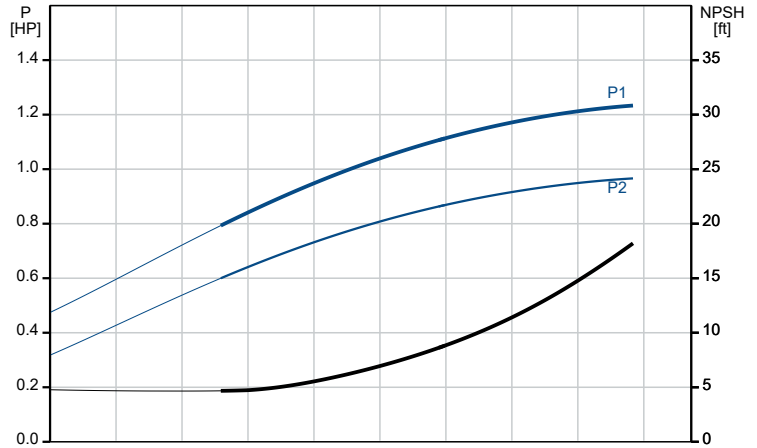
**Qty. | Description**

1	Cos phi - power factor:	0.76
	Rated speed:	3435 rpm
	Efficiency:	IE3 78,5%
	Motor efficiency at full load:	78.5 %
	Motor efficiency at 3/4 load:	77 %
	Motor efficiency at 1/2 load:	74 %
	Number of poles:	2
	Enclosure class (IEC 34-5):	IP55
	Insulation class (IEC 85):	F
	Motor No:	99883239
	Controls:	
	Frequency converter:	NONE
	Others:	
	Net weight:	64.9 lb
	Gross weight:	75.9 lb
	Shipping volume:	4.94 ft <sup>3</sup>
	Country of origin:	US
	Custom tariff no.:	8413.70.2040

Description	Value
<b>General information:</b>	
Product name:	CR 5-3 A-FGJ-A-E-HQQE
Product No:	99916781
EAN number:	5715114115506
<b>Technical:</b>	
Pump speed on which pump data are based:	3484 rpm
Rated flow:	30.4 US GPM
Rated head:	65.29 ft
Maximum head:	96.13 ft
Stages:	3
Impellers:	3
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals:	CURUS
Approvals for drinking water:	NSF/ANSI 61
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Cooling:	IC 411
<b>Materials:</b>	
Base:	Cast iron
Base:	EN 1561 EN-GJL-200
Base:	ASTM A48-25B
Impeller:	Stainless steel
Impeller:	EN 1.4301
Impeller:	AISI 304
Material code:	A
Code for rubber:	E
Bearing:	SIC
<b>Installation:</b>	
Max. ambient temperature:	104 °F
Maximum operating pressure:	362.59 psi
Max pressure at stated temp:	363 psi / 250 °F
Max pressure at stated temp:	363 psi / -4 °F
Type of connection:	DIN / ANSI / JIS
Size of inlet connection:	DN 25/32
Size of outlet connection:	DN 25/32
Pressure rating for connection:	PN 25
Flange rating inlet:	250 lb
Flange size for motor:	56C
Connect code:	FGJ
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-4 .. 248 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
<b>Electrical data:</b>	
Motor standard:	NEMA
Motor type:	WEG
IE Efficiency class:	IE3 / NEMA Premium
Rated power - P2:	1 HP
Power (P2) required by pump:	1 HP
Mains frequency:	60 Hz
Rated voltage:	3 x 208-230DD/460D V
Service factor:	1.15
Rated current:	3,32-3,0/1,5 A
Starting current:	880-880 %
Full load SF current:	3.45/1.73 A
Cos phi - power factor:	0.76
Rated speed:	3435 rpm
Efficiency:	IE3 78,5%
Motor efficiency at full load:	78.5 %



Pumped liquid = Water  
 Liquid temperature during operation = 68 °F  
 Density = 62.29 lb/ft³





Company name:

Created by:

Phone:

Date:

21/12/2022

Description	Value
Motor efficiency at 3/4 load:	77 %
Motor efficiency at 1/2 load:	74 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Motor No:	99883239
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Net weight:	64.9 lb
Gross weight:	75.9 lb
Shipping volume:	4.94 ft <sup>3</sup>
Country of origin:	US
Custom tariff no.:	8413.70.2040