

### Submittal Data

PROJECT:	UNIT TAG:	QUANTITY:
	TYPE OF SERVICE:	
REPRESENTATIVE:	SUBMITTED BY:	DATE:
ENGINEER:	APPROVED BY:	DATE:
CONTRACTOR:	ORDER NO.:	DATE:



#### CRIE 10-2 N-FGJ-A-E-HQQE

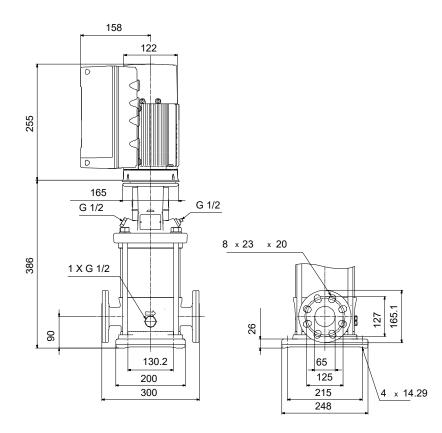
Vertical, multistage centrifugal pump with integrated frequency converter. Pump materials in contact with the liquid are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

Temperature: 20 °C Liquid temperature range: -20 120 °C Rated voltage: 440-480 V	Conditions of Ser	vice	Pump Data Motor Data										
Pumped Injuid = Water Liquid temperation = 20 °C Density = 998.2 kg/m <sup>2</sup>	Temperature: 20	°C   L 000   N	iquid temp /laximum a Shaft seal:	erature ran mbient tem	ge:	-20 50 ° HQ	120 °C QE		Rateo Mains Enclo Insula Motor Motor	d voltages freques sure clation clation clation protect	ge: ency: ass: ass:	44 60 IP F EL 80	0-480 V Hz 55 .EC B
P M M M M M M M M M M M M M			10	0 %			Li	quid temp	erature d	er uring ope	1	1	eta [%]
P M M M M M M M M M M M M M M M M M M M	25-		90 %										- 100
P P P P P P P P P P P P P P	20-		80 %										- 80
50 % 50 %	15-	X	70 %										- 60
P W 120 12 3 4 5 6 7 8 9 10 11 12 13 14 15 Q m <sup>3</sup> /h NPSH (m) 120 100 100 P1 (motor+freq.converter) 12 10 10 10 10 10 11 12 13 14 15 Q (m <sup>3</sup> /h) NPSH (m) 10 10 10 10 10 10 10 10 10 10	10-	50 %											-40
0    1    2    3    4    5    6    7    8    9    10    11    12    13    14    15    Q[m³/h]    NPSH      P    W]    P1 (motor+freq.converter)    12    12    10    12    10    12    10    12    10    12    10    12    13    14    15    Q[m³/h]    NPSH    [m]    12    10    12    13    14    15    Q[m³/h]    NPSH    [m]    12    13    14    15    Q[m3/h]    NPSH    [m]    14    15    Q[m3/h]    14    15    Q[m3/h]    12    13    14 <td></td> <td>40 %</td> <td></td> <td>- 20</td>		40 %											- 20
1200  P1 (motor+freq.converter)  12    1000  P2  10    800  P2  10    600  60  60	o i z	3 4	5 6	5 7	8 9	10	11	12	13	14	15	Q [m³/h]	-
1200- 1000- 800- 600- 400- 400- 12- 10 82- 10 83- 6- 4								P1 (n	notor+free	a.convert	er)		[m]
600      600 <td></td>													
400 4	800 -						_						-8
	600 -							_					-6
200 2	400-												-4
	200												-2

## Submittal Data

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#### Materials:

Base:	Stainless steel
Base:	EN 1.4408
Base:	AISI 316
Impeller:	Stainless steel
Impeller:	AISI 304
Impeller:	EN 1.4301
Material code:	А
Code for rubber:	E



Description	
Materials:	
Base:	Stainless steel
	EN 1.4408
	AISI 316
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Paaring	
Bearing:	SIC
Installation:	
t max amb:	50 °C
Maximum operating pressure:	16 bar
Max pressure at stated temp:	16 bar / 120 °C
	16 bar / -20 °C
Type of connection:	DIN / ANSI / JIS
Size of inlet connection:	DN 50
Size of outlet connection:	DN 50
	PN 25
Pressure rating for connection:	
Flange rating inlet:	300 lb
Flange size for motor:	56C
Electrical data:	
Motor standard:	NEMA
Motor type:	80B
IE Efficiency class:	IE5
Rated power - P2:	1.1 kW
Power (P2) required by pump:	1.1 kW
Mains frequency:	60 Hz
Rated voltage:	3 x 440-480 V
Service factor:	1.15
Rated current:	2.05 A
Cos phi - power factor:	0.84
Rated speed:	360-4000 rpm
Efficiency:	89.6%
Motor efficiency at full load:	89.6 %
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Motor No:	99256784
Controls:	
Frequency converter:	Built-in
Pressure sensor:	Y
Flessule sensol.	1
Othere	
Others:	0.44
DOE Pump Energy Index VL:	0.41
Net weight:	42 kg
Gross weight:	49 kg
Shipping volume:	0.173 m³

