

Company name: created by:

H/m Head

70

60

50

40

30

20-

10-

η/%

NPSH/ m -

40

P / kW

Shaft power P2

Hydraulic efficiency

NPSH-values

Phone:

2021-02-22 Date:

## **General Data**

Description Value

**General Information** 

Product name: QF 125-4-Premium-150 20.0HP With 3~

Price: Price on req.

**Technical** 

Speed for pump data: 2,900 1/min

Actual calculated flow:

Resulting head of the pump:

Head max.: 79.82 m

Stages:

Curve tolerance: ISO 9906.2012 3B

Pump type: QF 125

Valve: Pump with built-in

non-return valve

Liquid

**Materials** 

Pumped liquid: Water Liquid temp. range

20 °C 998.3 kg/m³ Density

10 20 30 40 50 60 70 80

Stainless steel DIN W.-Nr. 1.4301 AISI 304 Pump Impeller Stainless steel DIN W.-Nr. 1.4301 AISI 304

Motor CI FG-260

Installation

Max. ambiente temperature: 40 ℃

Max. Operating Pressure: Maximum 0.67m (67 bar)

Pump outlet Rp 5 Motor diameter 150 mm

**Electrical Data** 

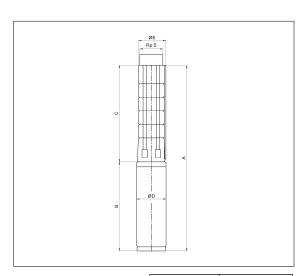
Premium-150\_20.0HP Motor type

No poles 15 kW Rated Power 50 Hz Frequency 380 V Rated Volt. Rated Current 33.5 A Power Factor 0.82 Eff. 82.5 %

**Others** 

Net weight

Net Pump Weight 31 kg



Name	mm
Α	1,770
В	766
С	1,004
D	145
E*	270
E**	270

Eff. 76.7%

-B

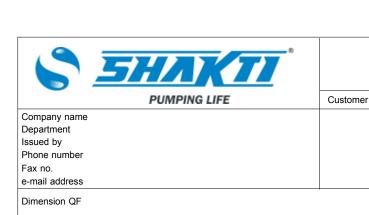
-R

E = Maximum diameter of pump inclusive of cable guard & motor

- \* Maximum diameter of pump with one motor cable
- \*\* Maximum diameter of pump with two motor cable

	SHAKTI	Performance curves	Q =	Revision number	Page:
	PUMPING LIFE	QF 125-4-Premium-150_20.0HP	With 3~		
		Customer	Supplier		
mpan partm	y name ent				
ued b					
k no.					
г	ddress Head				
m =	QF 125-4-Premium-150_20	0.0HP With 3~ Product NoQF 125 SERIE	:S	3~ 380 V 50 Hz	
80				3.4 300 V 30 HZ	
76 <del>-</del> 72 <del>-</del>				H=	
68				n = 2,864 1/min Pumped liquid =Water	
64				Liquid temperature ≠20	o °C
60				Density = 998.3 kg/m	3
56 —					
52 —			Eff. 76.7%		
48 -					
44			76.7%		
40 <del>-</del>					
36					
32					
28 =					\
24				Eff Pump =	
20 =				Eff Pump & Motor =	-В
16	0. 4. 50				
ν <u> </u>	Shaft power P2				
Ξ					_
12					
8-					-B
4					
0=	Hydraulic efficiency				
=					
60 = 50 =					-В
40 🚪					
30 = 20 =					
10					
0 = m =	NPSH-values				18
					-В
4-					
3.6					
3.2 —					
0	5 10 15 20 2	5 30 35 40 45 50 55 60 65		80 85 90 95	100 Q/n
—— F	Project ID	Project Cre	ation software	Issue date	Last update
	.0BC2546-D827-46D1-94CA-9CE6E			20/11/16 (E 2021-02-22	2021-02-22

Ν



## Types of installation

QF 125-4-Premium-150\_20.0HP With 3~

Revision number Page:

ØE Rp 5 O ØD

Product No.: QF 125 SERIES

Supplier

Inlet / outlet Suction port Discharge port Rp 5 Rp 5 DN 100 PN 16/40 DN 100 PN 16/40

	Dimensions		mm		
	Α	1,770			
	В	766			
	С	1,004			
	D	145			
	E*	270			
	E**	270			
E *= Maximum diameter of pump					
inclusive of cable guard & motor					
E** = Maximum diameter of pump					
with two motor cable					
	1	1		1	

Project ID 40BC2546-D827-46D1-94CA-9CE6E914BAD Project

Creation software Spaix® 5-2020.2 - 2020/11/16 (E Issue date 2021-02-22 Last update 2021-02-22