

## Receiver

## From

Society  
Reference  
Address  
Phone  
Fax  
E-mail

### Item n° :

1D311112C

### Model :

KDN 50-125/XXX/A/BAQE/1/0,55/4 IE2

### Pump data

Impeller size : 115 mm  
Hydraulic curve at rpm: 1.450 1/min  
Rated speed : 1.450 1/min  
Coupling : Standard  
MEI  $\geq$  0,40  
Pressure rating : PN 16  
Min. fluid temperature : -10 °C  
Max. fluid temperature : 140 °C  
Max. Ambient temperature : 50 °C

### Requested data

Flow : 16,30 m³/h  
Head : 4,00 m  
Fluid (%) :  
Fluid Temperature : 20 °C  
Density : 998,3 kg/m³  
Kinematic viscosity : 1,005 mm²/s  
Vapor pressure : 0,34 psi

### Hydraulic data (duty point)

Flow : 16,30 m³/h  
Head : 4,00 m  
NPSH : 0,66 m  
Shaft power P2 : 0,33 kW  
Efficiency : 47,07 %

### Materials

Pump body Cast iron 250 UNI ISO 185  
Impeller Cast iron 250 UNI ISO 185  
Pump shaft AISI 420 - UNI 6900/71  
OR ring Viton  
Seal disk Cast iron 250 UNI ISO 185  
Mechanical seal SEE "SHAFT SEAL" SECTION  
Seal spacer AISI 304 - UNI 6900/71

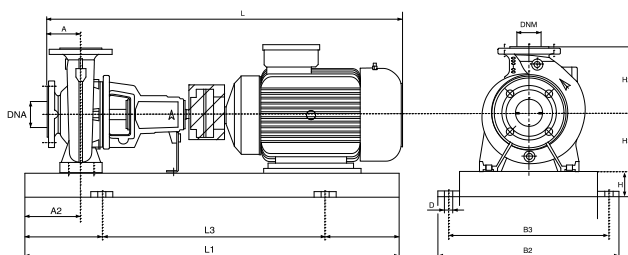
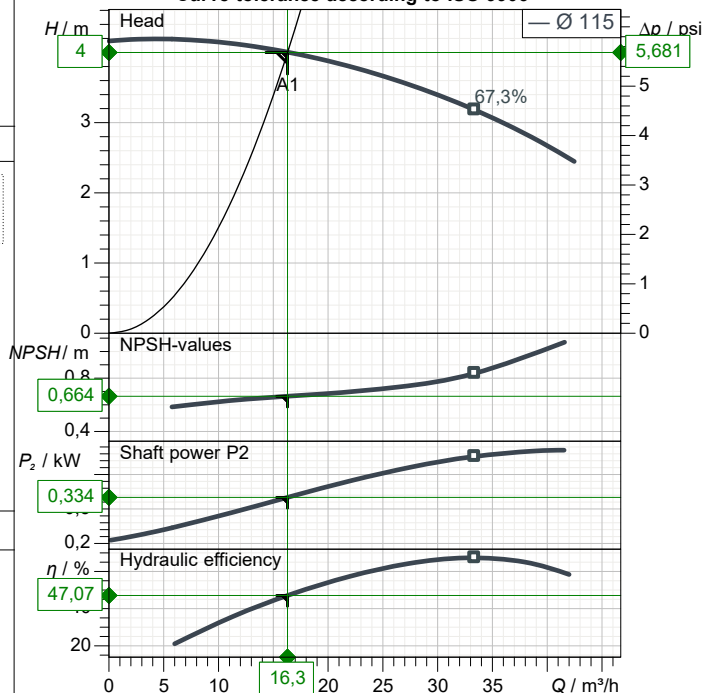
### Shaft seal

Type Rubber  
Stationary part Silicon carbide  
Rotating part Carbon  
Elastomer EPDM

### Motor data

Nominal power P2 : 0,55 kW  
Rated speed : 1.420 1/min  
Rated voltage : 3~ 230 V 50 Hz  
Nominal current : 2,6 A  
Degree of protection : IP 55

### Curve tolerance according to ISO 9906



Weight : 90 kg

### Dimensions in mm

A	100	H2	160
A2	60	H3	197
B2	360	L	750
B3	320	L1	800
D	19	L3	540
DNA	65		
DNM	50		
H	65		

### Pump connection

Suction side : DN 65 / PN 16  
Discharge side : DN 50 / PN 16

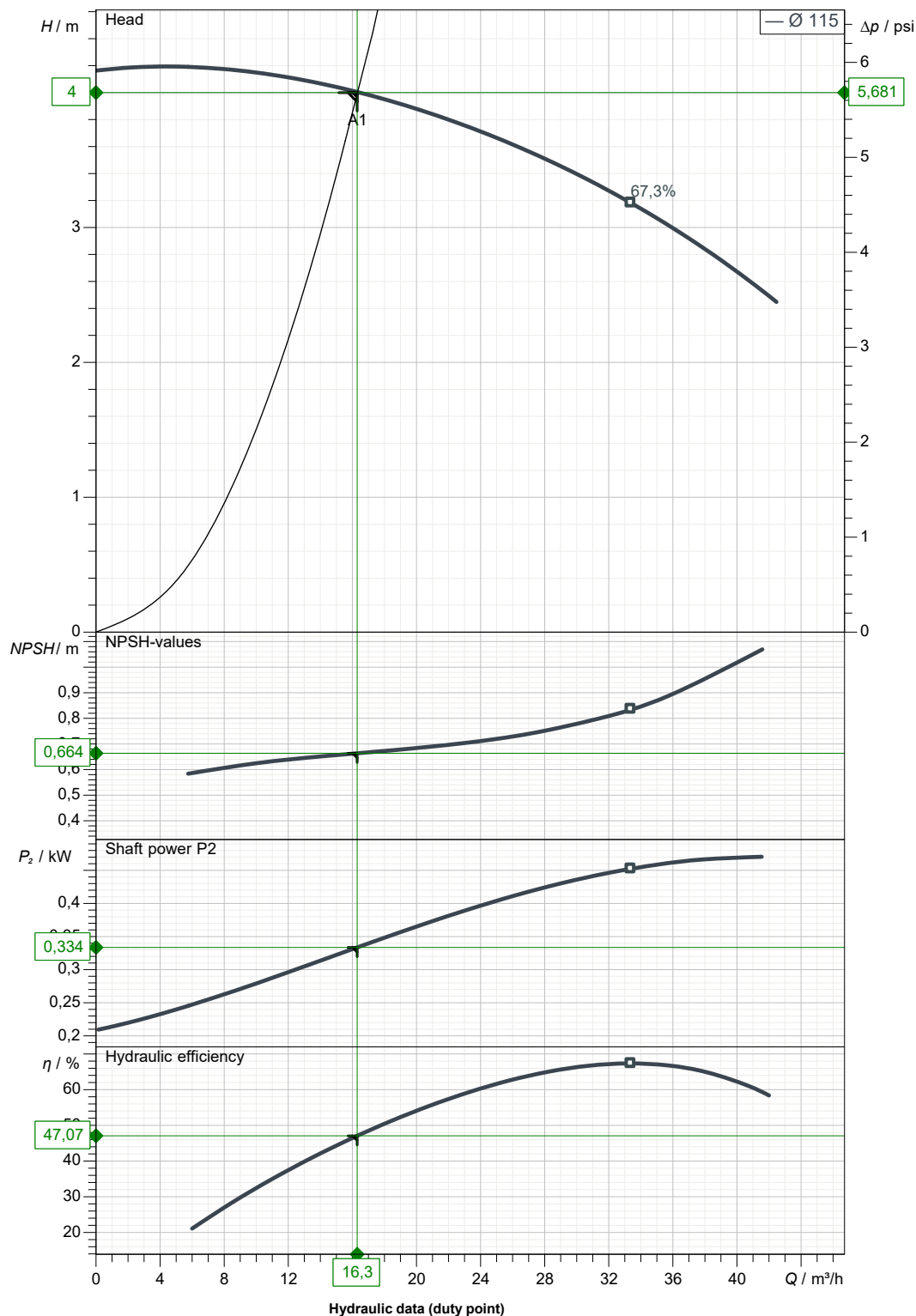
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KDN 50-125/XXX/A/BAQE/1/0,55/4 IE2

Curve tolerance according to ISO 9906



Suction side :

DN 65

PN 16

Discharge side :

DN 50

PN 16

Flow :

16,3 m³/h

Head :

4 m

Rated speed :

1.420 1/min

MAIN\_PROJECT\_TITLE

BUSINESS\_PROCESS\_IC

OWNER\_

ISSUE\_DATE

2022-06-16



# DIMENSIONAL DRAWING

2022-06-16

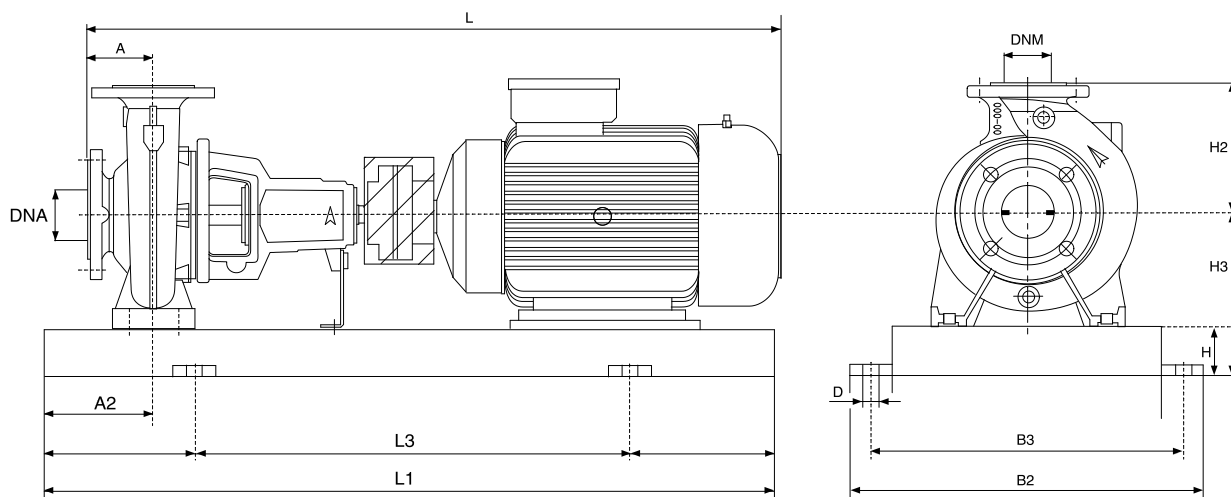
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www.dabpumps.com

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**KDN 50-125/XXX/A/BAQE/1/0,55/4 IE2****Dimensions in mm****Pump connection**

1	A	100	L3	540				Suction
2	A2	60						DN 65
3	B2	360						PN 16
4	B3	320						
5	D	19						Discharge
6	DNA	65						DN 50
7	DNM	50						PN 16
8	H	65						
9	H2	160						
10	H3	197						
11	L	750						
12	L1	800						

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