

## Receiver

## From

Society  
Reference  
Address  
Phone  
Fax  
E-mail

### Item n° :

1D521116W

### Model :

KDN 80-160/XXX/A/BAQE/1/2,2/4 IE3

### Pump data

Impeller size : 153 mm  
Hydraulic curve at rpm: 1.450 1/min  
Rated speed : 1.450 1/min  
Coupling : Standard  
MEI  $\geq 0,50$   
Pressure rating : PN 16  
Min. fluid temperature : -10 °C  
Max. fluid temperature : 140 °C  
Max. Ambient temperature : 50 °C

### Requested data

Flow : 70,30 m³/h  
Head : 6,00 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 : 71,15 m³/h  
Head : 6,15 m  
NPSH : 1,43 m  
Shaft power P2 : 1,56 kW  
Efficiency : 74,06 %

### 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

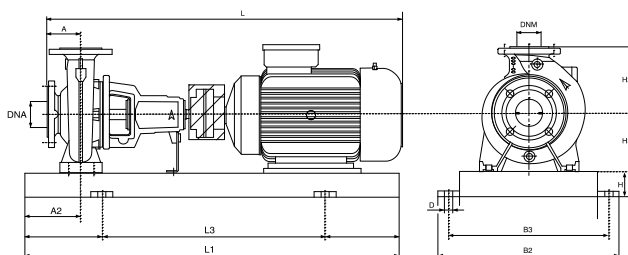
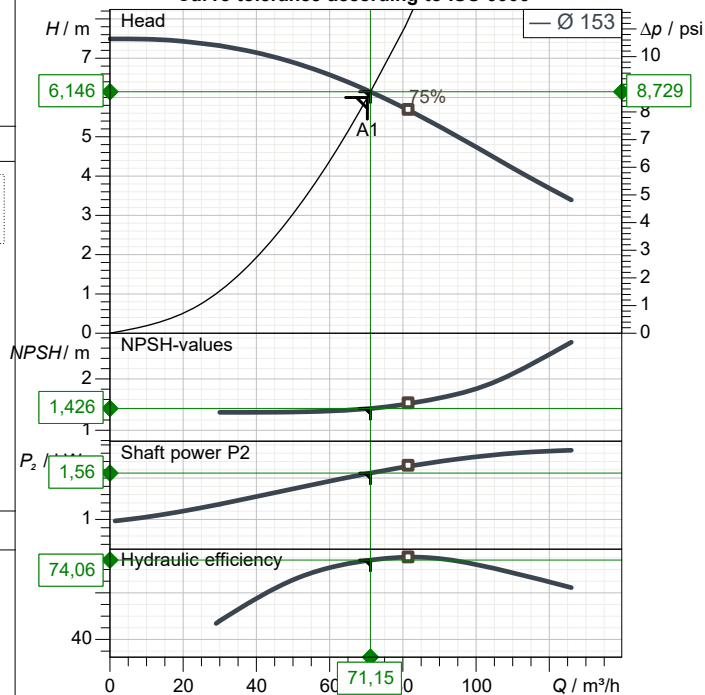
Type : Rubber  
Stationary part : Silicon carbide  
Rotating part : Carbon  
Elastomer : EPDM

### Motor data

Nominal power P2 : 2,2 kW  
Rated speed : 1.455 1/min  
Rated voltage : 3~ 230 V  
Nominal current : 8,3 A  
Degree of protection : IP 55

50 Hz

### Curve tolerance according to ISO 9906



Weight : 139 kg

### Dimensions in mm

A	125	H2	225
A2	75	H3	260
B2	450	L	875
B3	400	L1	1.000
D	24	L3	660
DNA	100		
DNM	80		
H	80		

### Pump connection

Suction side : DN 100 / PN 16  
Discharge side : DN 80 / PN 16

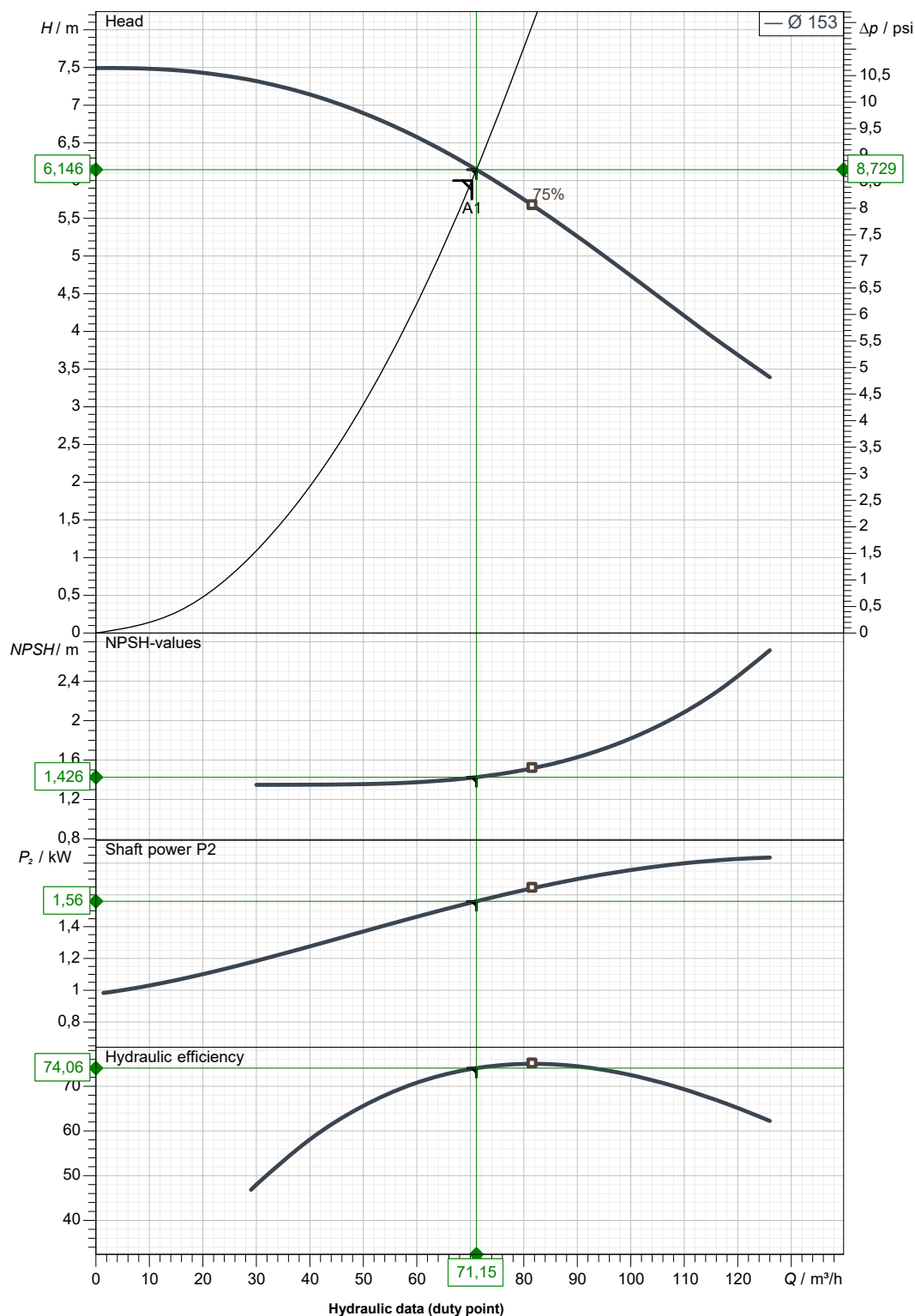
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Curve tolerance according to ISO 9906



Suction side :

DN 100

PN 16

Discharge side :

DN 80

PN 16

Flow :

70,3 m³/h

Head :

6 m

Rated speed :

1.455 1/min

MAIN\_PROJECT\_TITLE

BUSINESS\_PROCESS\_IT

OWNER\_

ISSUE\_DATE

2022-06-16



# DIMENSIONAL DRAWING

2022-06-16

Page 3 / 3

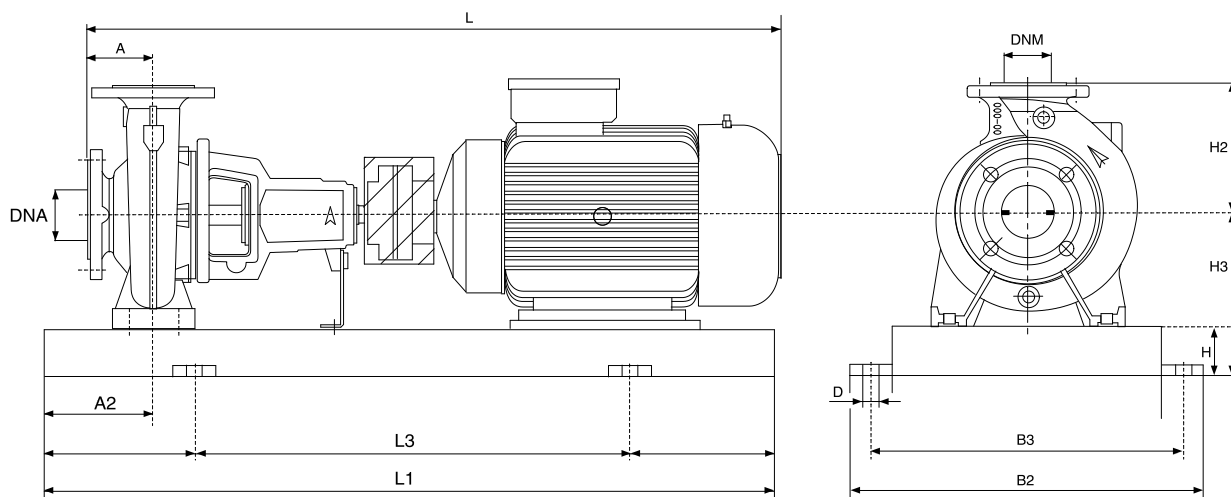
DAB PUMPS S.p.A.  
Via Marco Polo, 14 - 35035 Mestrino (PD), Italy  
Tel. +39 049 5125000 - Fax +39 049 5125950  
www.dabpumps.com

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Dimensions in mm

Pump connection

1	A	125	L3	660				Suction
2	A2	75						DN 100
3	B2	450						PN 16
4	B3	400						
5	D	24						Discharge
6	DNA	100						DN 80
7	DNM	80						PN 16
8	H	80						
9	H2	225						
10	H3	260						
11	L	875						
12	L1	1.000						

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