DATA SHEET

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

Receiver **From**

Company
Reference
Address
Phone
Fax
E-mail

Item n° : **Customer pos. no.:**

1D3111BAV

Model :

NKP-G 50-125/144/A/BAQE/7,5/2 IE3

Pump data

Impeller size (mm) :	144
MEI ≥ 0,40	
Pressure rating :	PN 16
Min. fluid temperature :	-10 °C
Max. fluid temperature :	140 °C
Max. Ambient temperature :	50 °C

Requested data

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

Real duty point

Flow :	
Head :	
NPSH :	
Shaft power P2 :	
Efficiency :	

Materials

Pump body	Cast iron 250 UNI ISO 185
Support	Cast iron 250 UNI ISO 185
Impeller	Cast iron 250 UNI ISO 185
Mechanical seal	SEE "SHAFT SEAL" SECTION
O-Ring	Ethylene propylene (EPDM)
Pump shaft	AISI 304 X5 Cr Ni 1810 UNI 6900/71
Seal spacer	AISI 304 X5 Cr Ni 1810 UNI 6900/71

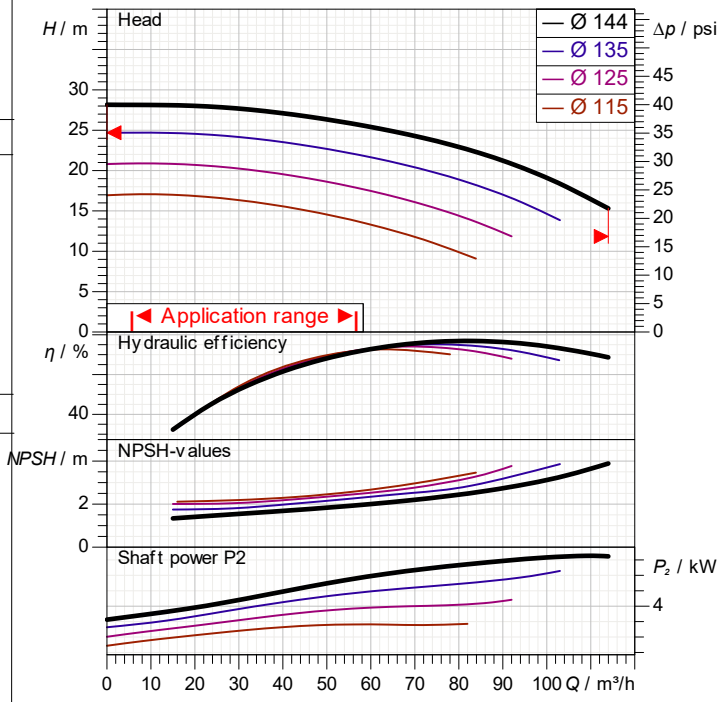
Shaft seal

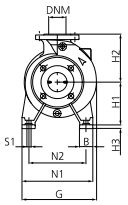
Type	Rubber
Stationary part	Silicon carbide
Rotating part	Carbon
Elastomer	EPDM

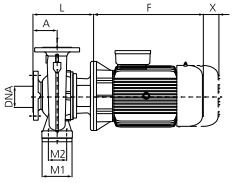
Motor data

Nominal power P2 :	7,5 kW	
Rated speed :	2.900 1/min	
Rated voltage :	3~ 400 V	50 Hz
Nominal current :	13,4 A	
Degree of protection :	IP 55	

Curve tolerance according to ISO 9906







Weight : 96 kg

Dimensions in mm

A	100	H3	20		
B	50	L	313		
DNA	65	M1	100		
DNM	50	M2	70		
F	437	N1	240		
G	300	N2	190		
H1	132	S1	M10		
H2	160	X	100		

Pump connection

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

PERFORMANCE CURVES

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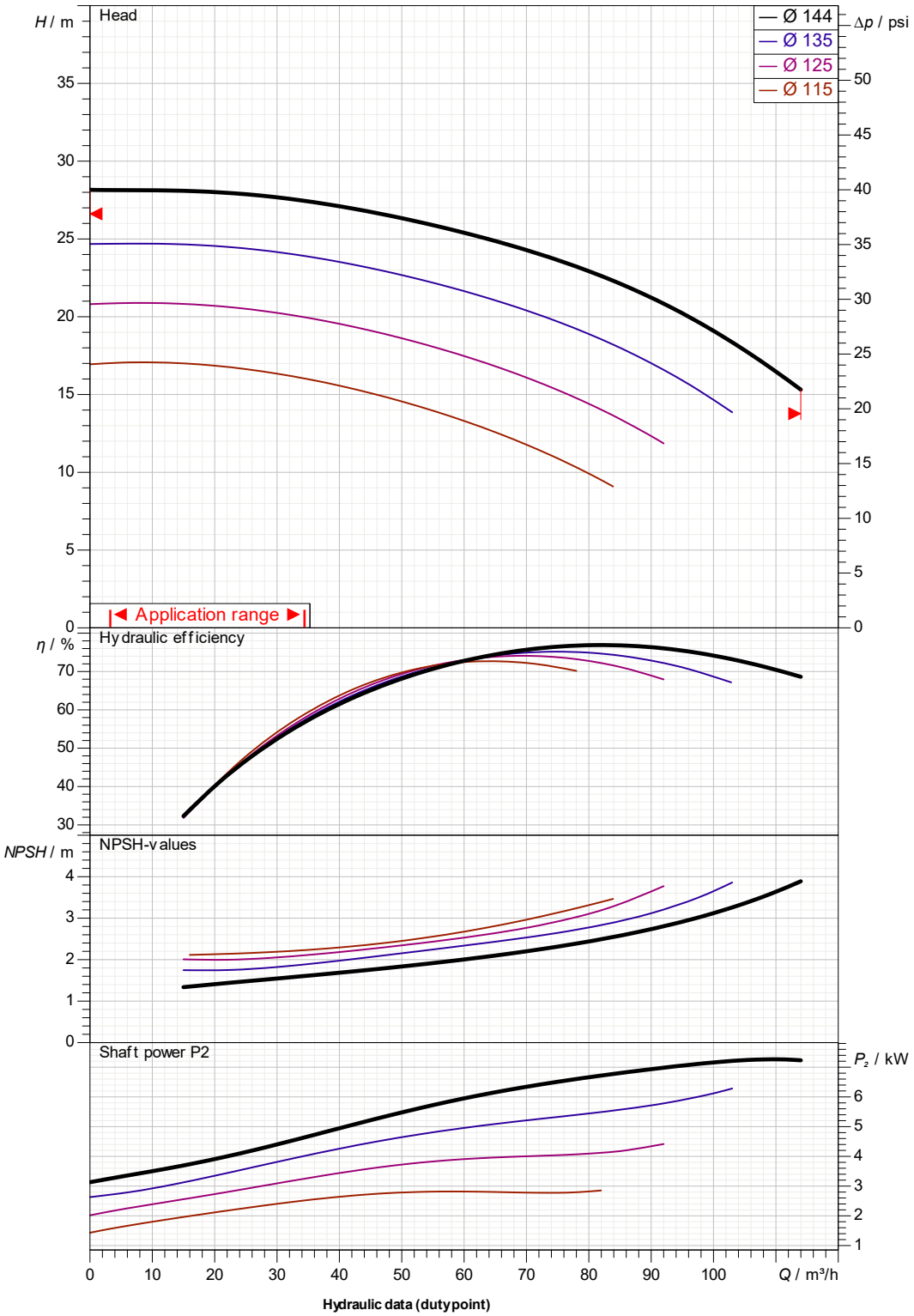
Curve tolerance according to ISO 9906



Hydraulic data (duty point)

Suction side :	Discharge side :	Flow :	Head :	Rated speed :
DN 65 PN 16	DN 50 PN 16			2.900 1/min

MAIN_PROJECT_TITLE	BUSINESS_PROCESS_ID	OWNER_	ISSUE_DATE
			2025-07-20

DIMENSIONAL DRAWING

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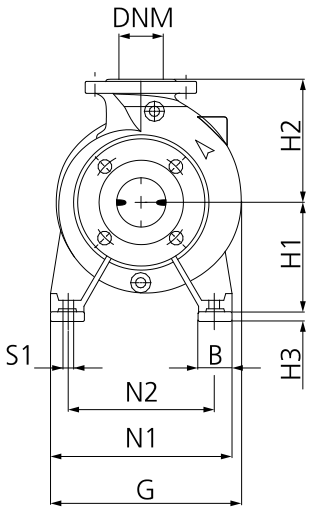

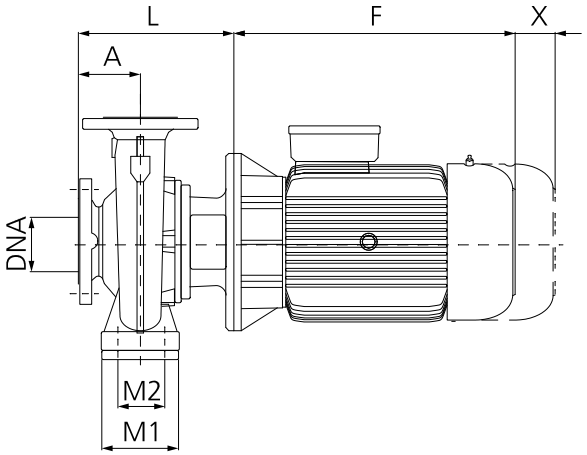

	Dimensions in mm						Pump connection
1	A	100	M2	70			
2	B	50	N1	240			Suction
3	DNA	65	N2	190			DN 65
4	DNM	50	S1	M10			PN 16
5	F	437	X	100			
6	G	300					
7	H1	132					Discharge
8	H2	160					DN 50
9	H3	20					PN 16
10	L	313					
11	M1	100					

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