Technical data
NCB 50-125 A

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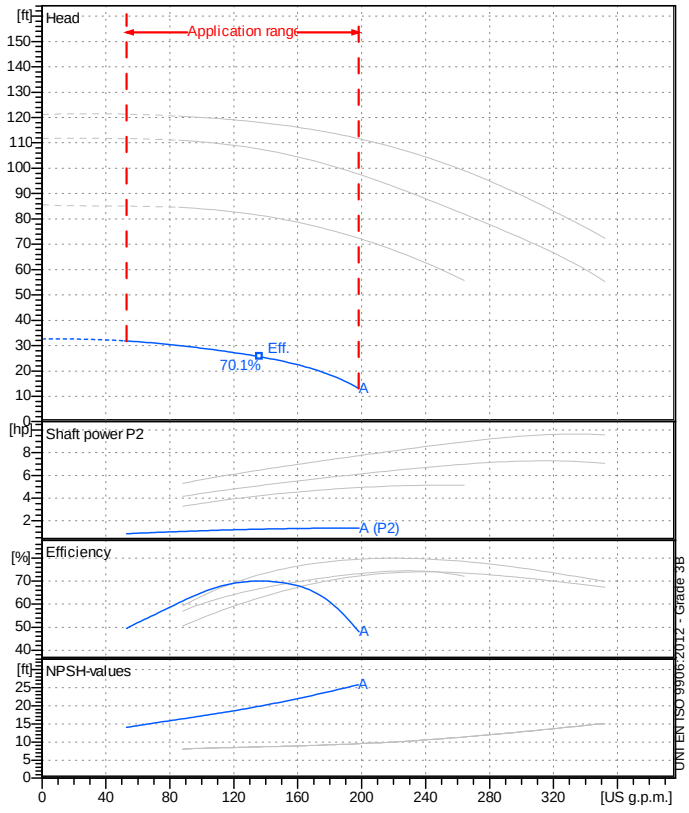
Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	



Operating data specification

Nominal flow	US g.p.m.	0
Nominal head	ft	0
Static head	ft	0
NPSH - value of plant	ft	0
Inlet pressure	psi	1.42
Fluid		Water, pure
Operating temperature t A	°F	68
Density at t A	lb/ft³	62.32
Kin. viscosity at t A	ft²/s	1.082E-5

Pump

Pump name		NCB 50-125 A	
Size		65/50/125	
Design			
Speed rpm	1800	No of stages 1	
Impeller type			
Flow	Nominal	US g.p.m.	
	Max-	US g.p.m.	198
	Min-	US g.p.m.	52.8
Head	Nominal	ft	
	Max-	ft	31.8
	Min-	ft	13.1
Head H(Q=0)		ft	32.7
NPSH 3%		ft	
Max. working pressure		psi	14.1
Shaft power		hp	
Efficiency		%	
Max absorbed power		hp	1.3688

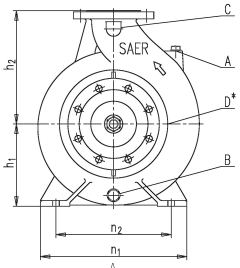
Materials Pump

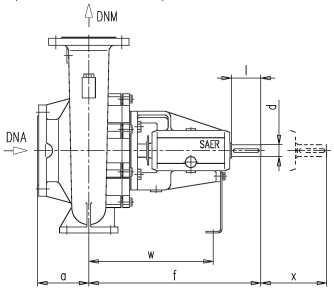
Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Seal disc	Cast iron EN-GJL-250
Gasket	Natural fiber
Mech. seal EN 12756	
Seal face	Carbon graphite resin impreg.
Seat	Alumina Oxide
Rubber elements	EPDM Rubber
Spring and metal bellows	Stainless steel AISI 316

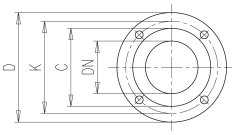
Motor	Frame size		
Manufacturer / Type			
Rated power hp		Efficiency 4/4	
Electric current A		Speed rpm	
Electric voltage V		Hz	
Starting mode			
Degree of protection		Insulation class	

Dimensions in inch

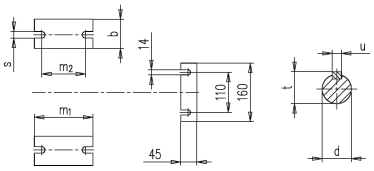
a	3 15/16	n2	7 1/2
A	3/8"	s	9/16
B	3/8"	t	1 1/16
b	1 15/16	u	5/16
C	1/4"	w	10 1/4
d k6	15/16	x	3 15/16
D	3/8"		
DNA	DN 65		
DNM	DN 50		
f	14 3/16		
h1	5 3/16		
h2	6 5/16		
l	1 15/16		
m1	3 15/16		
m2	2 3/4		
n1	9 7/16		







C	4	C	4 13/16
D	6 1/2	D	7 5/16
DN	1 15/16	DN	2 9/16
K	4 15/16	K	5 11/16
n°	3/16	n°	3/16
øn	3/4	øn	3/4



Remarks:

Project	Project ID	Created by	Created on	Last update
			2025-01-22	

Performance curves
NCB 50-125 A

Revision no

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Receiver	From
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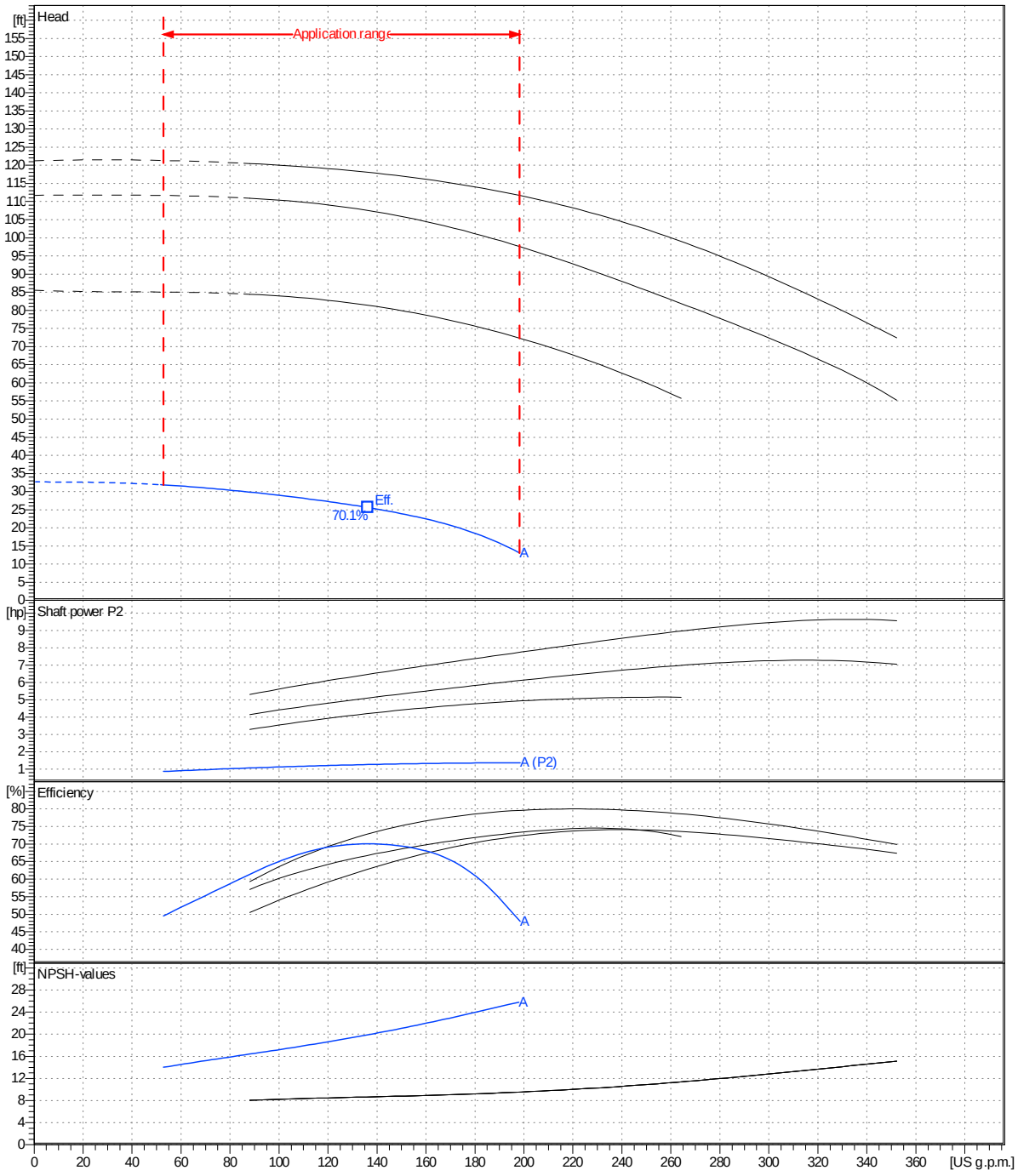
Operating area	Flow	Head
Operating data specification	0 US g.p.m.	0 ft
Pump data	US g.p.m.	ft

Impeller type	
Impeller construction	Closed
Sense of rotation	Clockwise from the drive end
Outlet width	DN 50
Speed rpm	1800
Frequency Hz	

Flow			Head		Shaft power P2		
Min.	Max.	η Max.	H(Q=0)	η Max.	P2(Q=0)	Max.	η Max.
US g.p.m	US g.p.m	US g.p.m.	ft	ft	hp	hp	hp
52.8	198	136	32.7	25.6		1.37	1.27

Performance data based to: Water, pure [100%] ; 68°F; 62.3lb/ft³; 1.08E-5ft²/s

UNI EN ISO 9906:2012 - Grade 3B



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			2025-01-22	

	Spare parts NCB 50-125 A	Revision no	Page: 3

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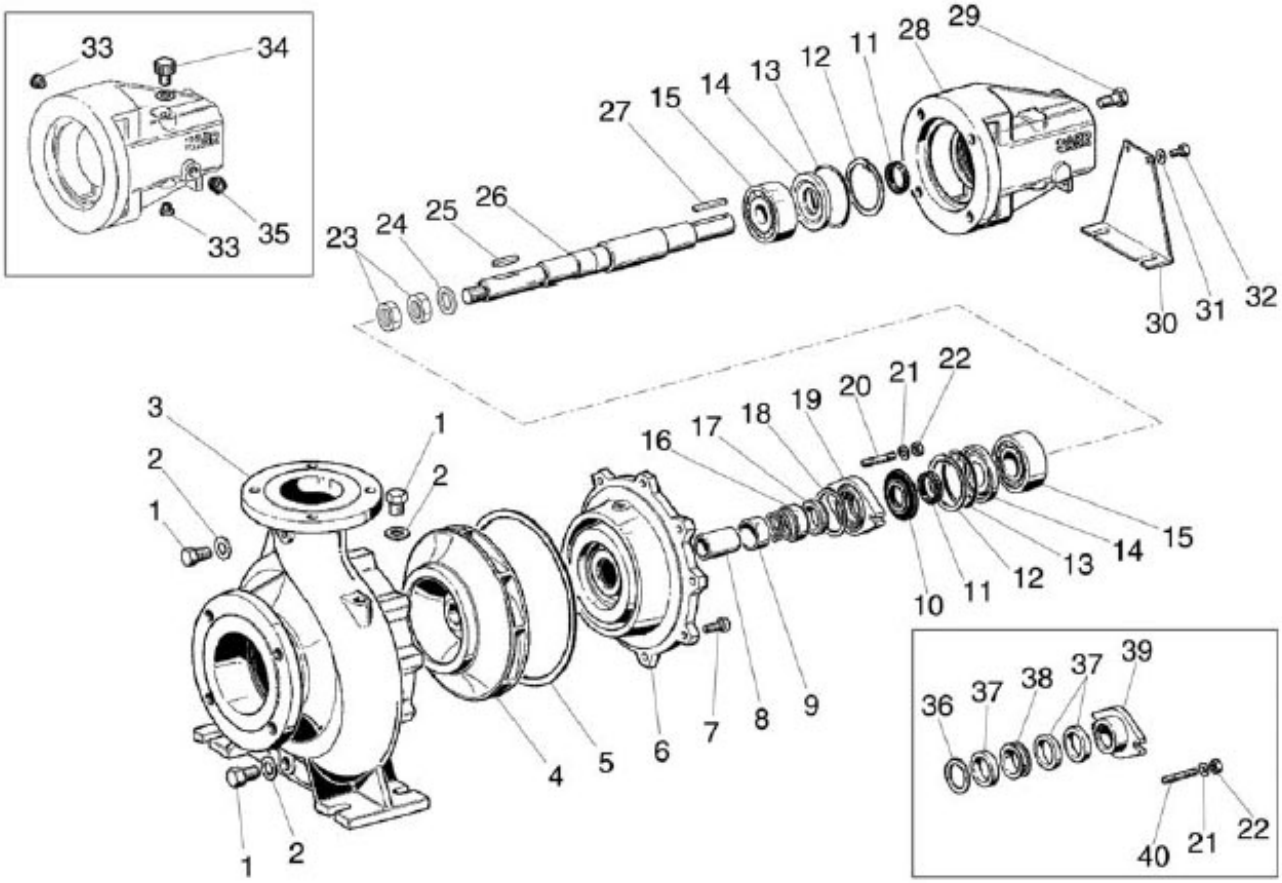

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