Technical data
NCB 65-125 B

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Company name	
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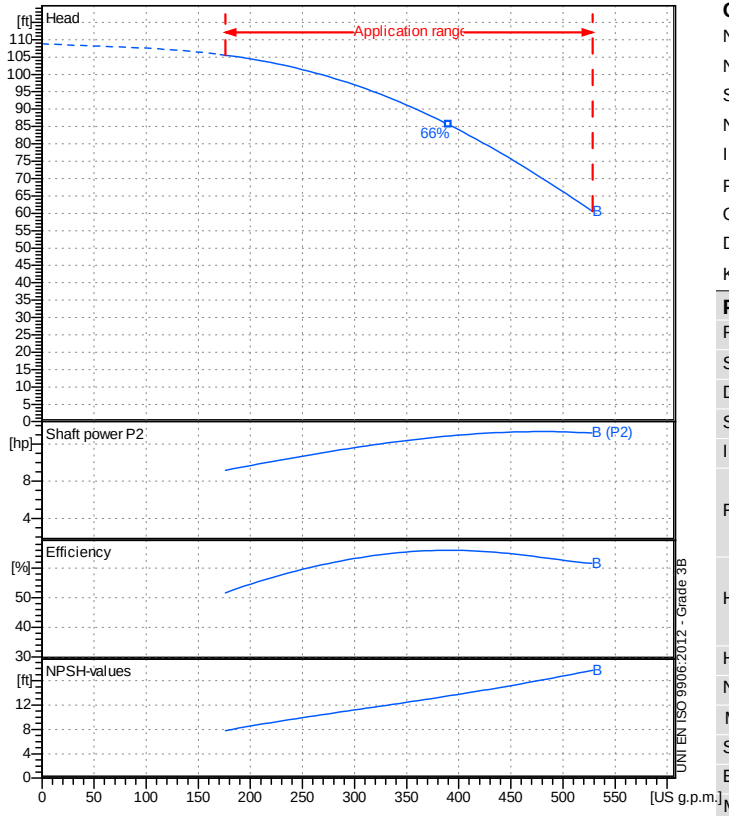


Operating data specification

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 65-125 B	
Size		80/65/125	
Design			
Speed rpm	3600	No of stages	1
Impeller type			
Flow	Nominal	US g.p.m.	
	Max-	US g.p.m.	529
	Min-	US g.p.m.	176
Head	Nominal	ft	
	Max-	ft	106
	Min-	ft	60.5
Head H(Q=0)		ft	109
NPSH 3%		ft	
Max. working pressure		psi	47.1
Shaft power		hp	
Efficiency		%	
Max absorbed power		hp	13.341

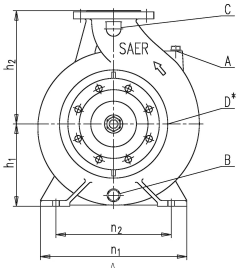
Materials Pump

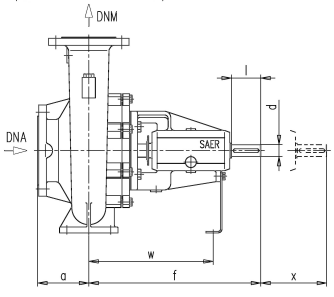
Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Seal disc	Cast iron EN-GJL-250
Gasket	Natural fiber
Mech. seal EN 12756	
Seal face	Carbon graphite resin impreg.
Seat	Alumina Oxide
Rubber elements	EPDM Rubber
Spring and metal bellows	Stainless steel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

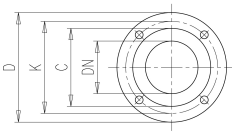
Motor	Frame size		
Manufacturer / Type			
Rated power hp		Efficiency 4/4	
Electric current A		Speed rpm	
Electric voltage V		Hz	
Starting mode			
Degree of protection		Insulation class	

Dimensions in inch

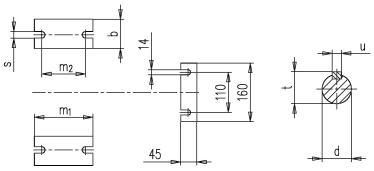
a	3 15/16	n2	8 3/8
A	3/8"	s	9/16
B	3/8"	t	1 1/16
b	2 9/16	u	5/16
C	1/4"	w	10 1/4
d k6	15/16	x	3 15/16
D	3/8"		
DNA	DN 80		
DNM	DN 65		
f	14 3/16		
h1	6 5/16		
h2	7 1/16		
l	1 15/16		
m1	4 15/16		
m2	3 3/4		
n1	11		







C	4 13/16	C	5 7/16
D	7 5/16	D	7 7/8
DN	2 9/16	DN	3 1/8
K	5 11/16	K	6 5/16
n°	3/16	n°	3/16
øn	3/4	øn	3/4



Remarks:

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Performance curves
NCB 65-125 B

Revision no

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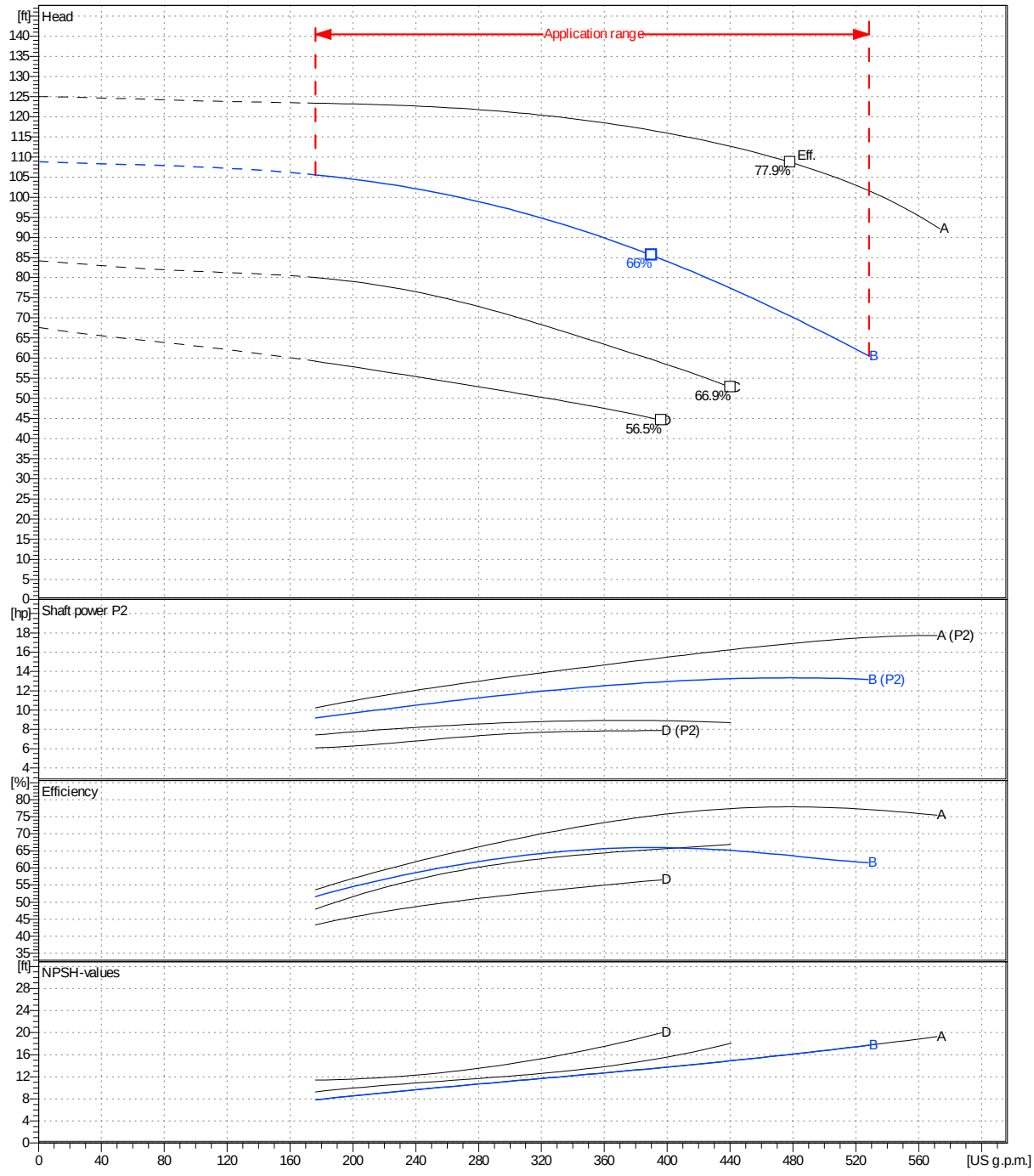
Operating area	Flow	Head
Operating data specification	0 US g.p.m.	0 ft
Pump data	US g.p.m.	ft

Impeller type	
Impeller construction	Closed
Sense of rotation	Clockwise from the drive end
Outlet width	DN 65
Speed rpm	3600
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
	176	528	390	109	85.6		13.3	12.9

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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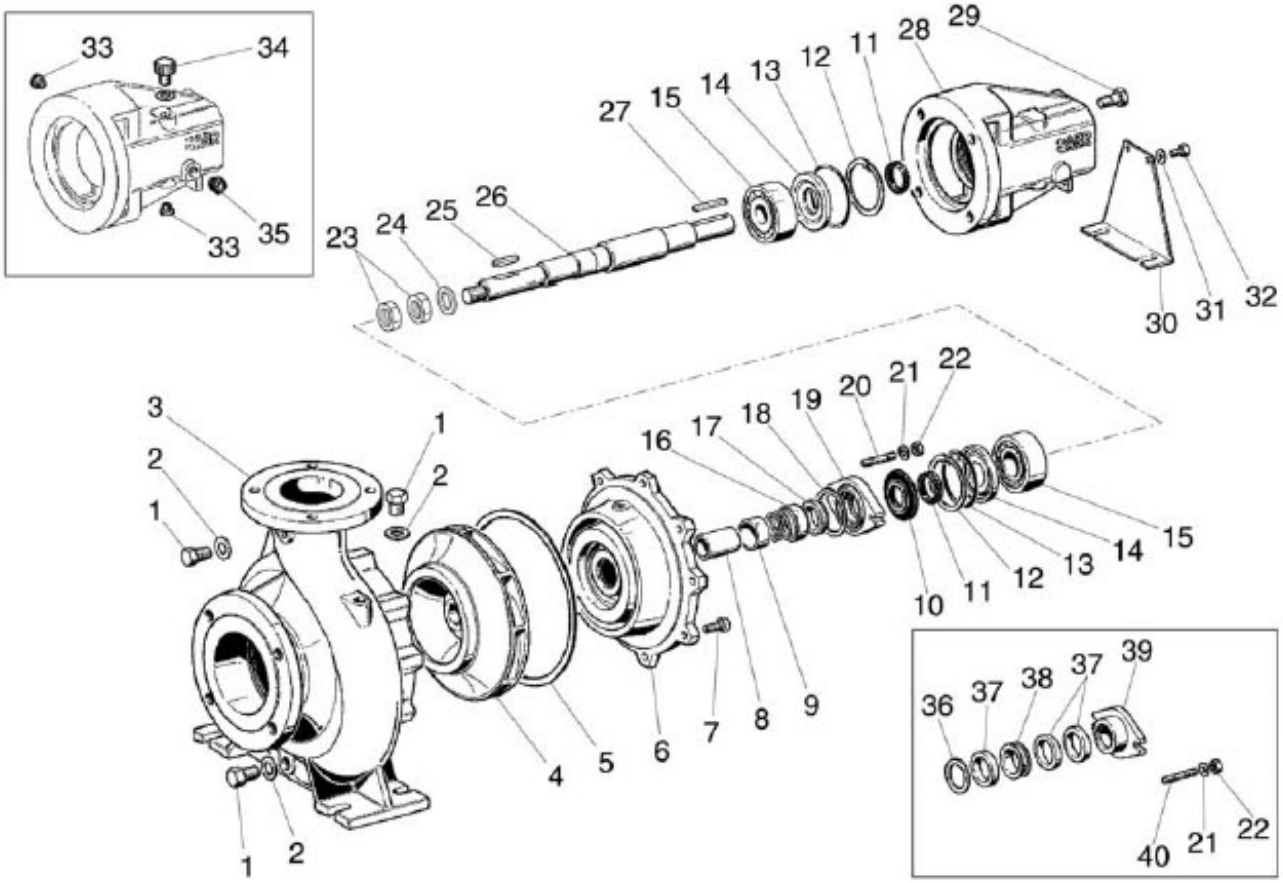

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