SAER ELETTROPOMPE	**Technical data** 6IR50-125B	Revision no	Page: 1

	Receiver	From
Company name		
Respons. Department		
Person in charge		
Phone number		
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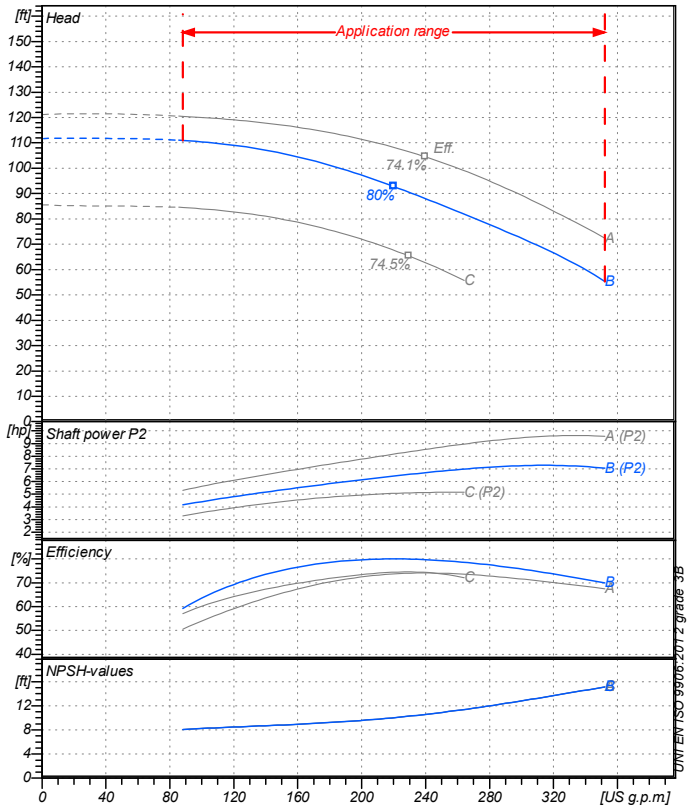


Operating data specification

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			6IR50-125B	
Size			65/50/125	
Design				
Speed	rpm	3600	No of stages	1
Impeller type				
Flow		Nominal	US g.p.m	
		Max-	US g.p.m	352
		Min-	US g.p.m	88.1
Head		Nominal	ft	
		Max-	ft	111
		Min-	ft	55.2
Head H(Q=0)			ft	112
NPSH 3%			ft	
Max. working pressure			psi	48.4
Shaft power			hp	
Efficiency			%	
Max absorbed power			hp	7.2815

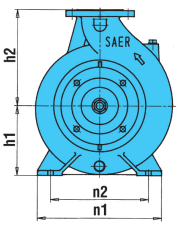
Materials Pump

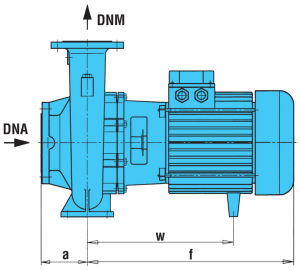
Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Seal disc	Cast iron EN-GJL-250
Gasket	Natural fiber
Mechanical seal	BVEG (Grafite/Ossido Allumina/EPDM)

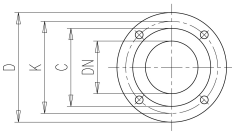
Motor		Frame size	112 M		
Manufacturer / Type		SAER MEC112M-2P-5.5			
Rated power	hp	7.3756	Efficiency 4/4		86 %
Electric current	A	11.5 A	Speed	rpm	3600
Electric voltage	V	460V	3~	Hz	60
Starting mode		Unknown			
Degree of protection		IP 55	Insulation class		F

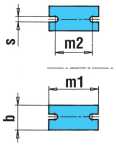
Dimensions in inch

a	3 15/16	?n	3/4
b	1 15/16	C	4 13/16
DNA	2 9/16	D	7 5/16
DNM	1 15/16	DN	2 9/16
f	16 11/16	K	5 11/16
h1	5 3/16	n°	3/16
h2	6 5/16		
m1	3 15/16		
m2	2 3/4		
n1	9 7/16		
n2	7 1/2		
s	9/16		
w	11 7/8		









Remarks:

Project	Project ID	Created by	Created on	Last update
			2020/07/16	

Performance curves
6IR50-125B

Revision no	Page:
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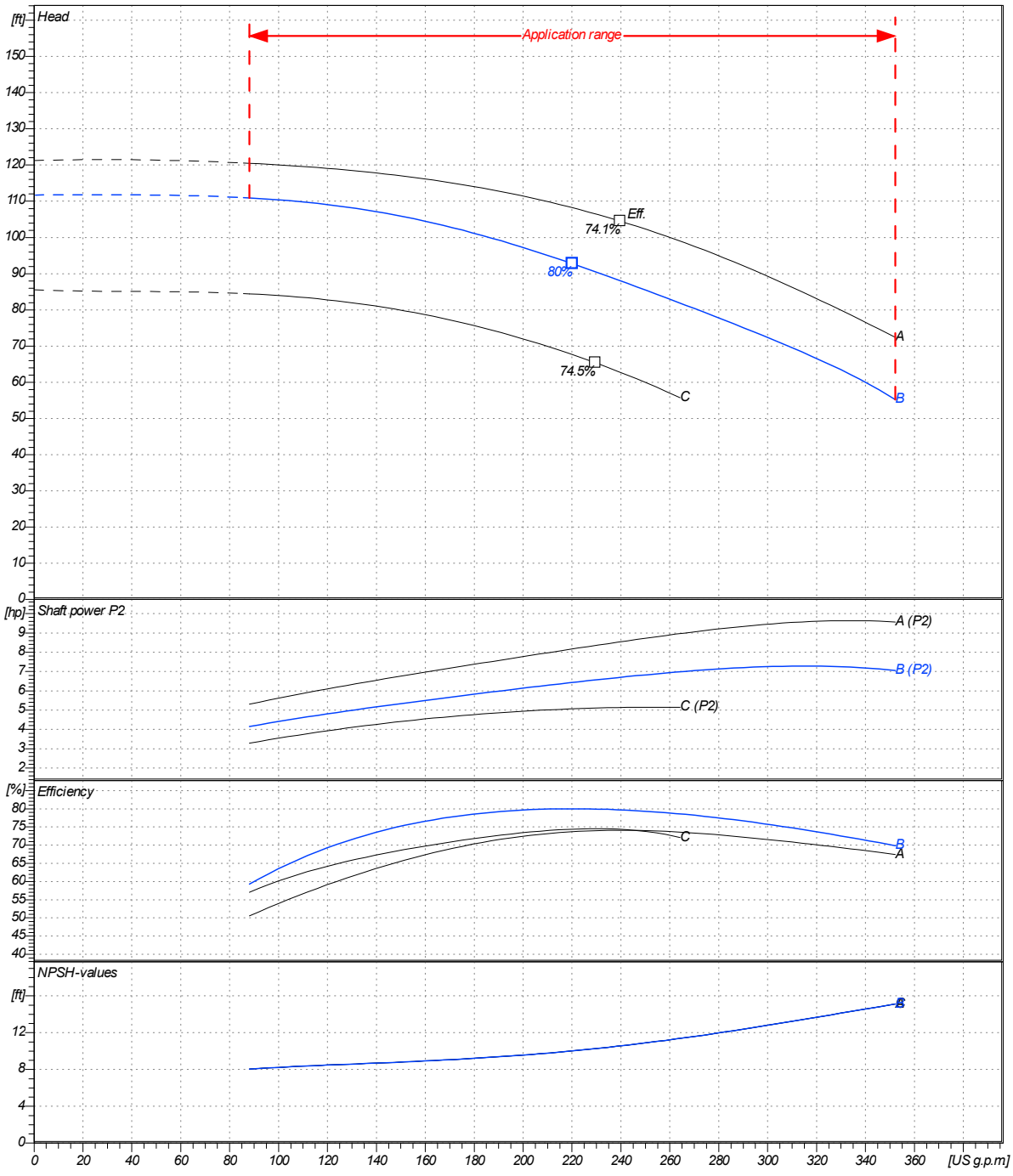
Operating area	Flow		Head	
Operating data specification	0	US g.p.m	0	ft
Pump data		US g.p.m		ft

Impeller type	
Impeller construction	Closed
Sense of rotation	Clockwise from the drive end
Outlet width	DN 50
Speed rpm	3600
Frequency Hz	60 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
	88.1	352	220	112	92.8		7.28	6.43

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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