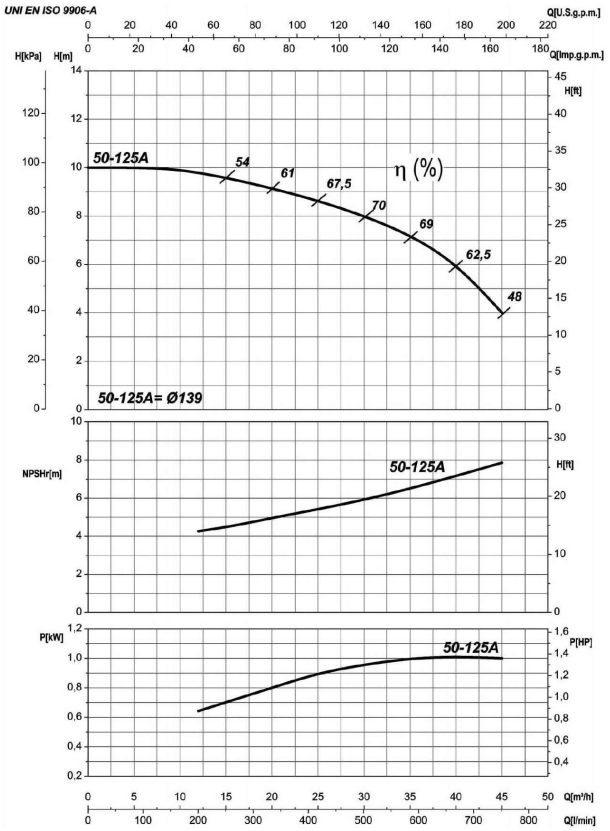
SAER ELETTROPOMPE	**Technical data** 6IR4P 50-125A	Revision no	Page: 1

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		6IR4P 50-125A	
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

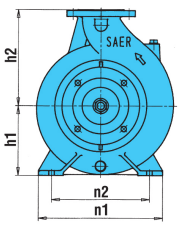
Materials Pump

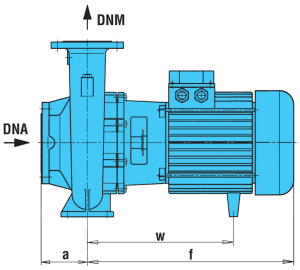
Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Seal disc	Cast iron EN-GJL-250
Gasket	Natural fiber
Mechanical seal	BVEG (Grafite/Ossido Allumina/EPDM)

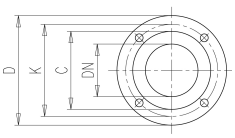
Motor	Frame size	90 S		
Manufacturer / Type	SAER MEC90S-4P-1.1			
Rated power hp	1.4751	Efficiency 4/4		79.5 %
Electric current A	5.4 A	Speed rpm		1800
Electric voltage V	230V	3~	Hz	60
Starting mode	Unknown			
Degree of protection	IP 55	Insulation class		F

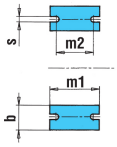
Dimensions in inch

a	3 15/16	C	4 13/16
b	1 15/16	D	7 5/16
DNA	2 9/16	DN	2 9/16
DNM	1 15/16	K	5 11/16
f		n°	3/16
f	13 7/16	øn	3/4
h1	5 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			
w	9 9/16		









Remarks:

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			8/10/2022	

Performance curves
6IR4P 50-125A

Revision no

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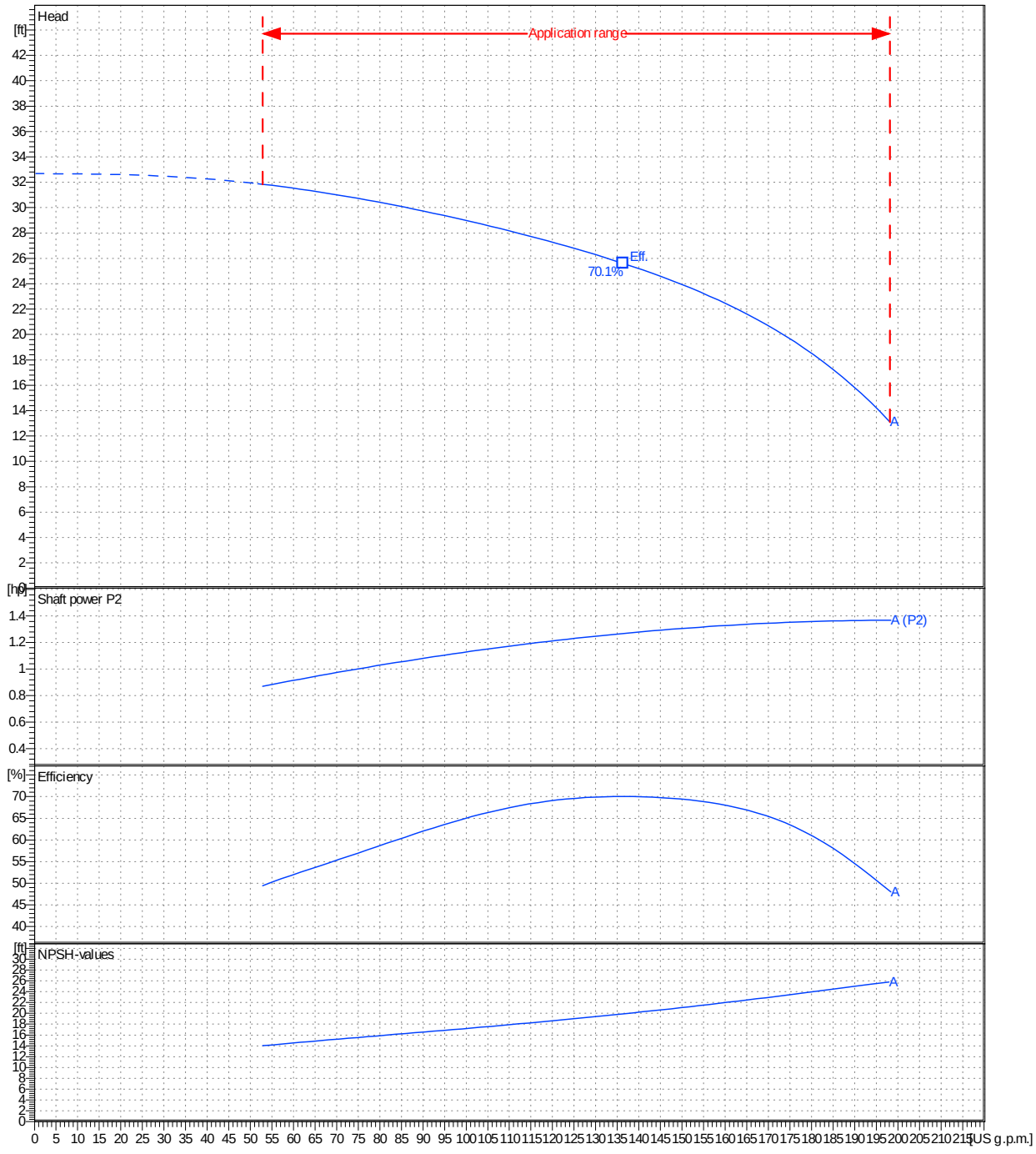
Operating area	Flow	Head
Operating data specification	0 US g.p.m.	0 ft
Pump data	US g.p.m.	ft

Impeller type	
Impeller construction	Closed
Sense of rotation	Clockwise from the drive end
Outlet width	DN 50
Speed rpm	1800
Frequency Hz	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
	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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SAER ELETTROPOMPE	**Spare parts** 6IR4P 50-125A	Revision no	Page: 3

Company name		
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Person in charge		
Phone number		
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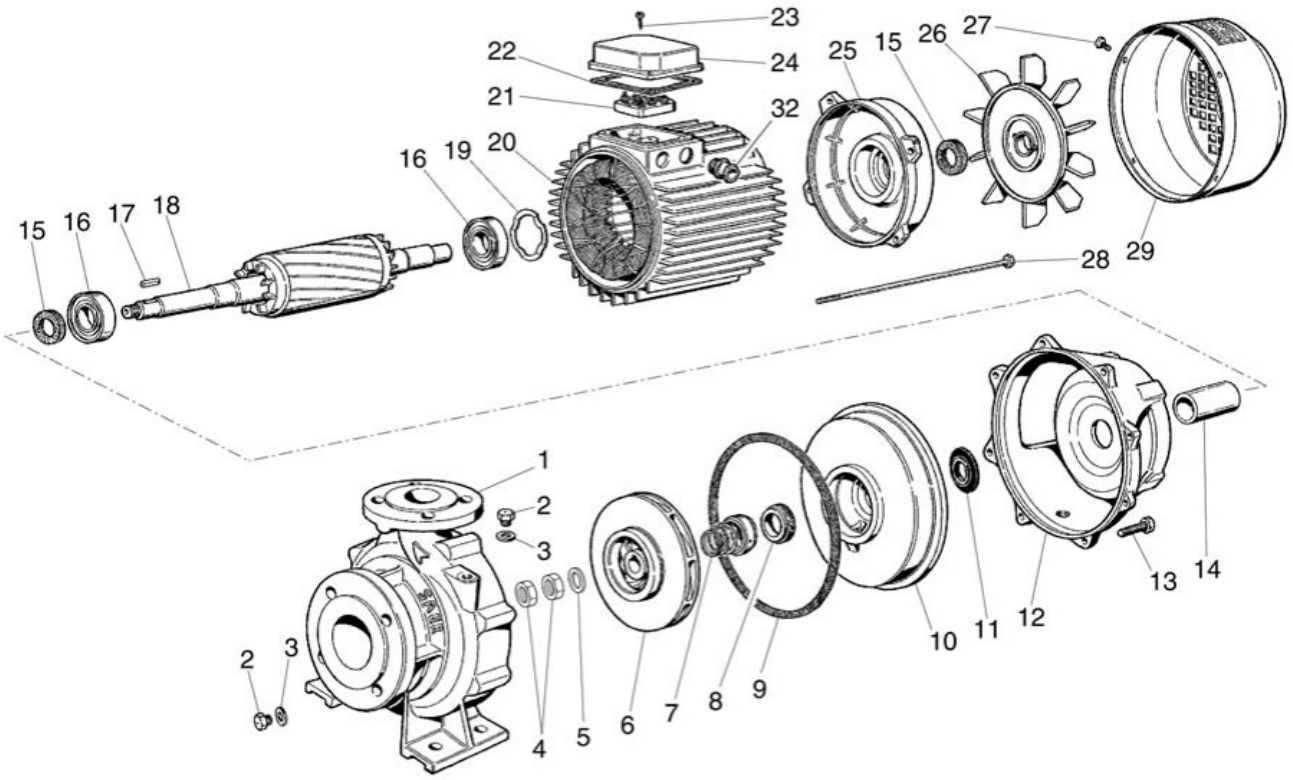

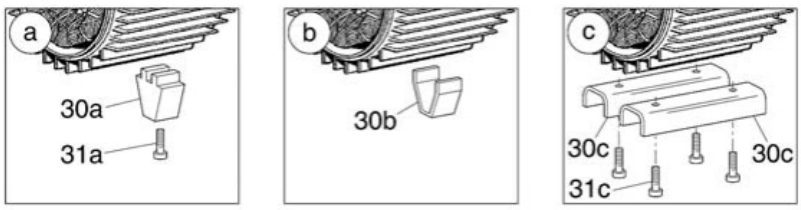

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