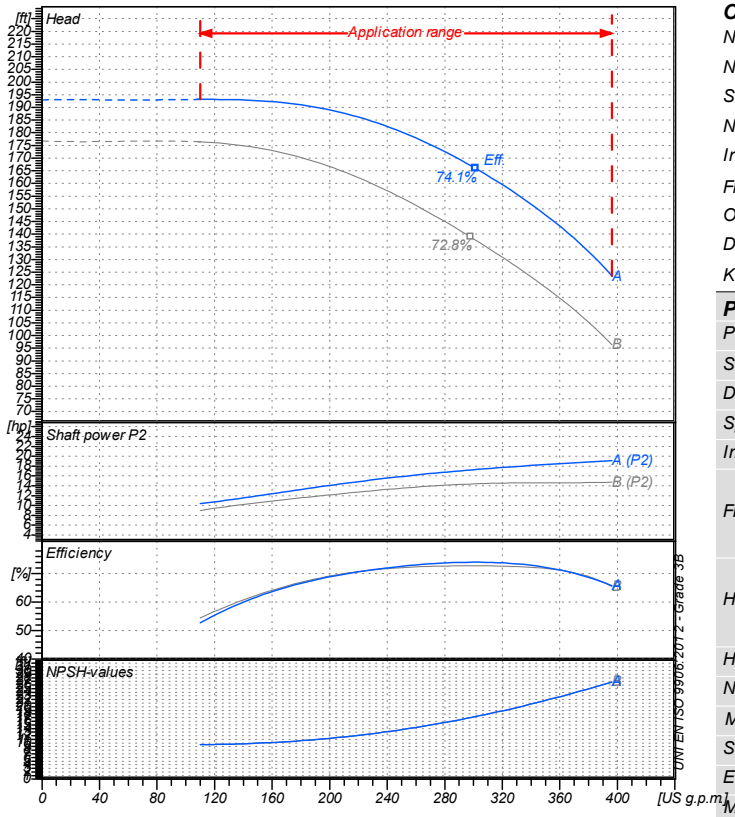
Technical data
6MG2 50-160 A

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		6MG2 50-160 A	
Size		50/32/200	
Design			
Speed rpm	3600	No of stages	1
Impeller type			
Flow	Nominal	US g.p.m	
	Max-	US g.p.m	396
	Min-	US g.p.m	110
Head	Nominal	ft	
	Max-	ft	193
	Min-	ft	123
Head H(Q=0)		ft	193
NPSH 3%		ft	
Max. working pressure		psi	83.5
Shaft power		hp	
Efficiency		%	
Max absorbed power		hp	19.081

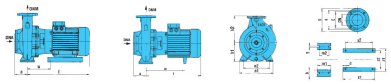
Materials Pump

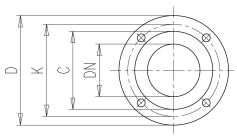
Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Seal disc	Cast iron EN-GJL-250
Gasket	Natural fiber
Mechanical seal	BVEG (Grafite/Ossido Allumina/EPDM)

Motor		Frame size		160 M	
Manufacturer / Type		SAER MEC160M-2P-15			
Rated power	hp	20.115	Efficiency 4/4		88.5 %
Electric current	A	24.7	Speed	rpm	3600
Electric voltage	V	460 V	3~	Hz	60
Starting mode		Unknown			
Degree of protection		IP 55	Insulation class		F

Dimensions in inch

a	4 15/16	z1	12 9/16
b	1 15/16	z2	10
d	14*4		
DNA	2 9/16		
DNM	1 15/16		
h1	7 1/16		
h2	8 7/8		
l	39 15/16		
m1	3 15/16		
m2	2 3/4		
n1	10 7/16		
n2	8 3/8		
s	9/16		
w	13 1/2		
x1	16 1/8		
x2	14 9/16		





?n	3/4	?n	3/4
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

Remarks:

Project	Project ID	Created by	Created on	Last update
			2020-07-30	

Performance curves
6MG2 50-160 A

Revision no	Page:
	2

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

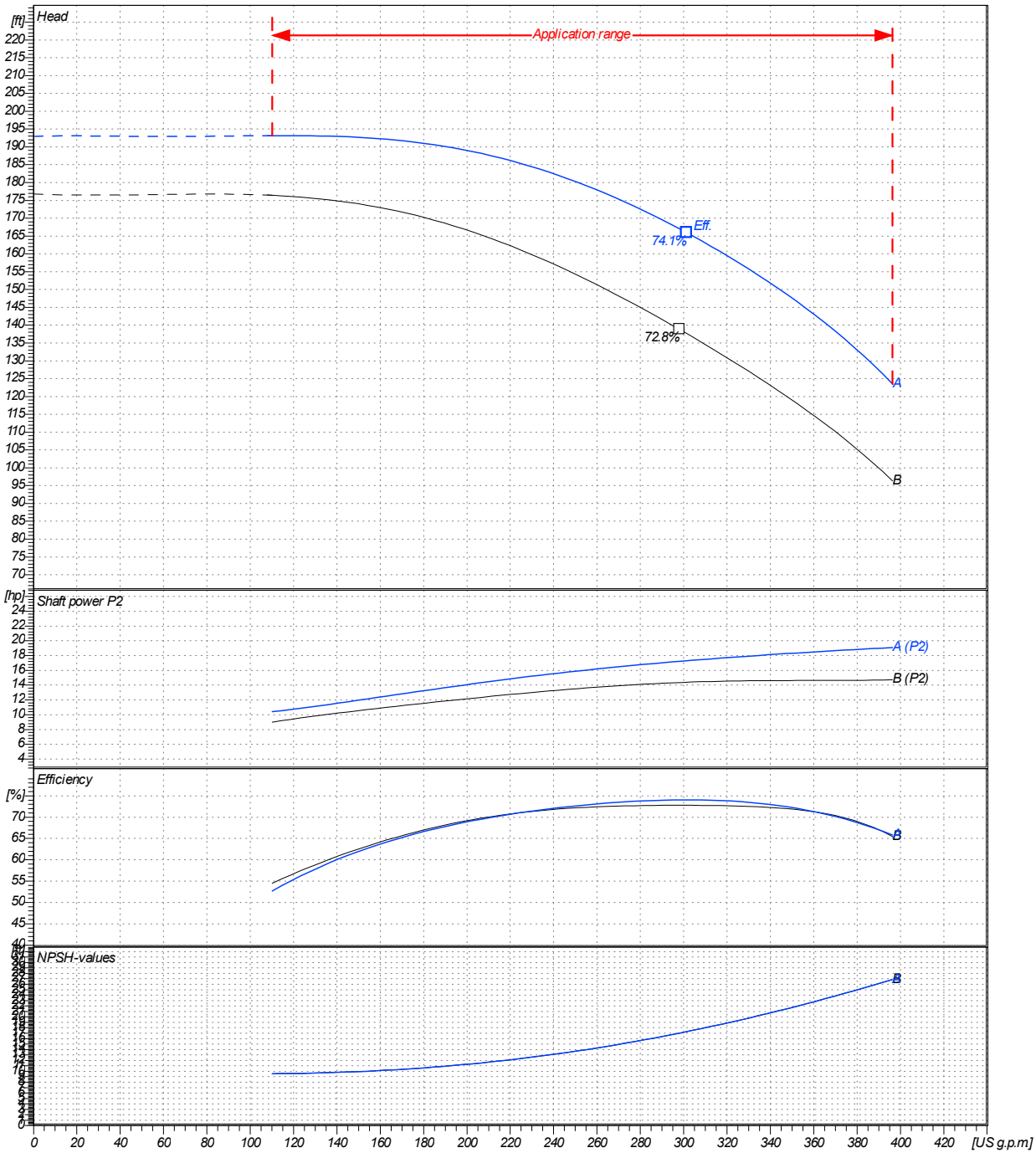
Operating area	Flow	Head
Operating data specification	0 US g.p.m	0 ft
Pump data	US g.p.m	ft

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
	110	396	301	193	166		19.1	17.3

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

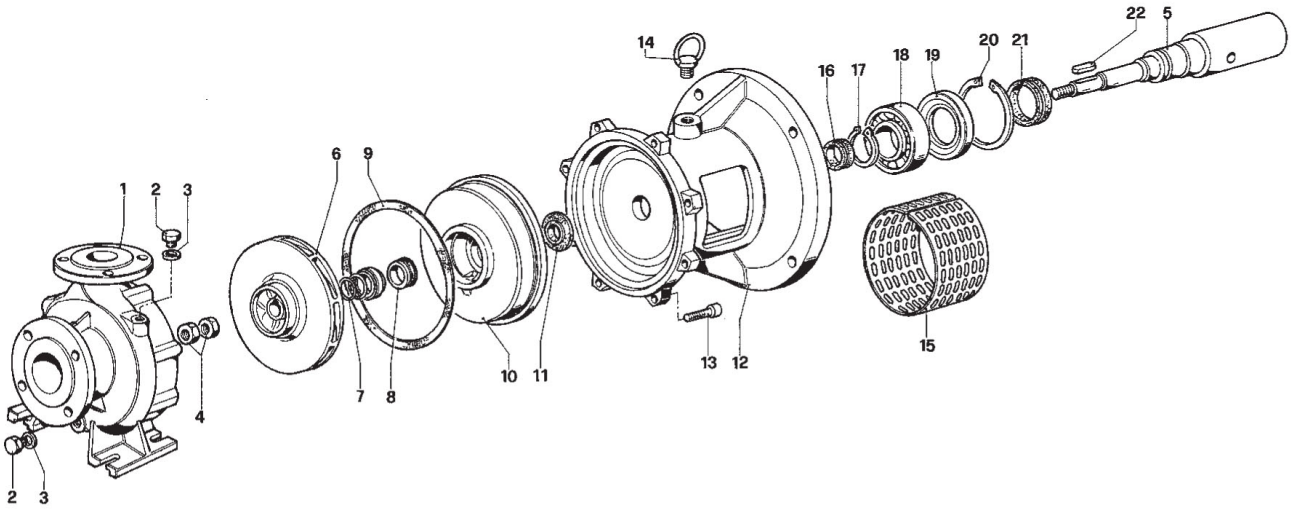
UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2020-07-30	

SAER ELETTROPOMPE	**Spare parts** *6MG2 50-160 A*	*Revision no*	*Page:* *3*

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



Project	*Project ID*	*Created by*	*Created on*	*Last update*
			2020-07-30	