Technical data
IRX4P-125-250A

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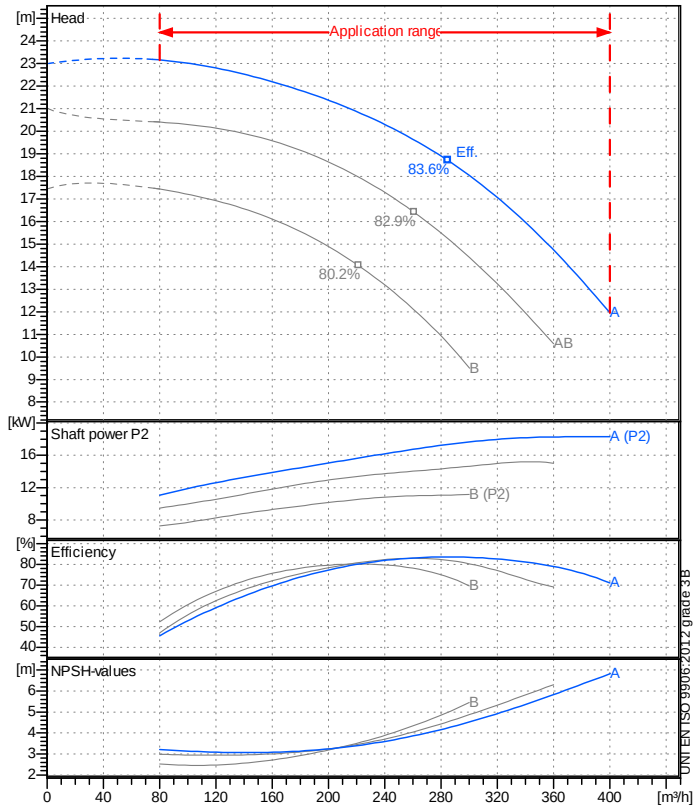
Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	



Operating data specification

Nominal flow	m³/h	0
Nominal head	m	0
Static head	m	0
NPSH - value of plant	m	0
Inlet pressure	bar	0.09793
Fluid		Water, pure
Operating temperature t A	°C	20
Density at t A	kg/dm³	0.9983
Kin. viscosity at t A	mm²/s	1.005

Pump

Pump name			IRX4P-125-250A
Size			150/125/250
MEI (Reg. 547/2002 EU) >			0,4
Speed 1/min	1450	No of stages	1
Impeller type			
Flow	Nominal	m³/h	
	Max-	m³/h	400
	Min-	m³/h	80
Head	Nominal	m	
	Max-	m	23.2
	Min-	m	12
Head H(Q=0)		m	23
NPSH 3%		m	
Max. working pressure		bar	2.25
Shaft power		kW	
Efficiency		%	
Max absorbed power		kW	18.324

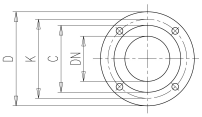
Materials Pump

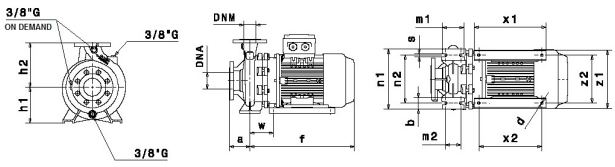
Shaft	Duplex Stainless steel (1.4362)
Impeller	Precision cast Stainless steel AISI 316 (1.4408)
Pump body	Cast Stainless steel AISI 316 (1.4408)
Seal disc	Cast Stainless steel AISI 316 (1.4408)
Gasket	Natural fiber
Mechanical seal	Q1Q1VG (SiC/Sic/FPM rubber)

Motor	Manufacturer / Type		SAER	180-25	
Efficiency	IEC 60034-30		IE3		
Rated power	kW	18.5	Efficiency 4/4		92.6 %
Number of poles		4	Frame size		180
Electric current	A	37.5 A	Speed	1/min	1471
Electric voltage	V	400 V	3~	Hz	50
Starting mode		Unknown			
Degree of protection		IP 55	Insulation class		F

Dimensions in mm

				DNM		DNA	
a	140	z2	279	C	188	C	212
b	80			D	258	D	289
d	14			DN	125	DN	150
h1	250			K	110	K	240
h2	355			n°	8 x 19 mm	n°	8 x 19 mm
m1	160						
m2	120						
n1	400						
n2	315						
s	18						
w	237						
x1	410						
x2	370						
z1	344						





Remarks:

Project	Project ID	Created by	Created on	Last update
			2022-11-07	

Performance curves
IRX4P-125-250A

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

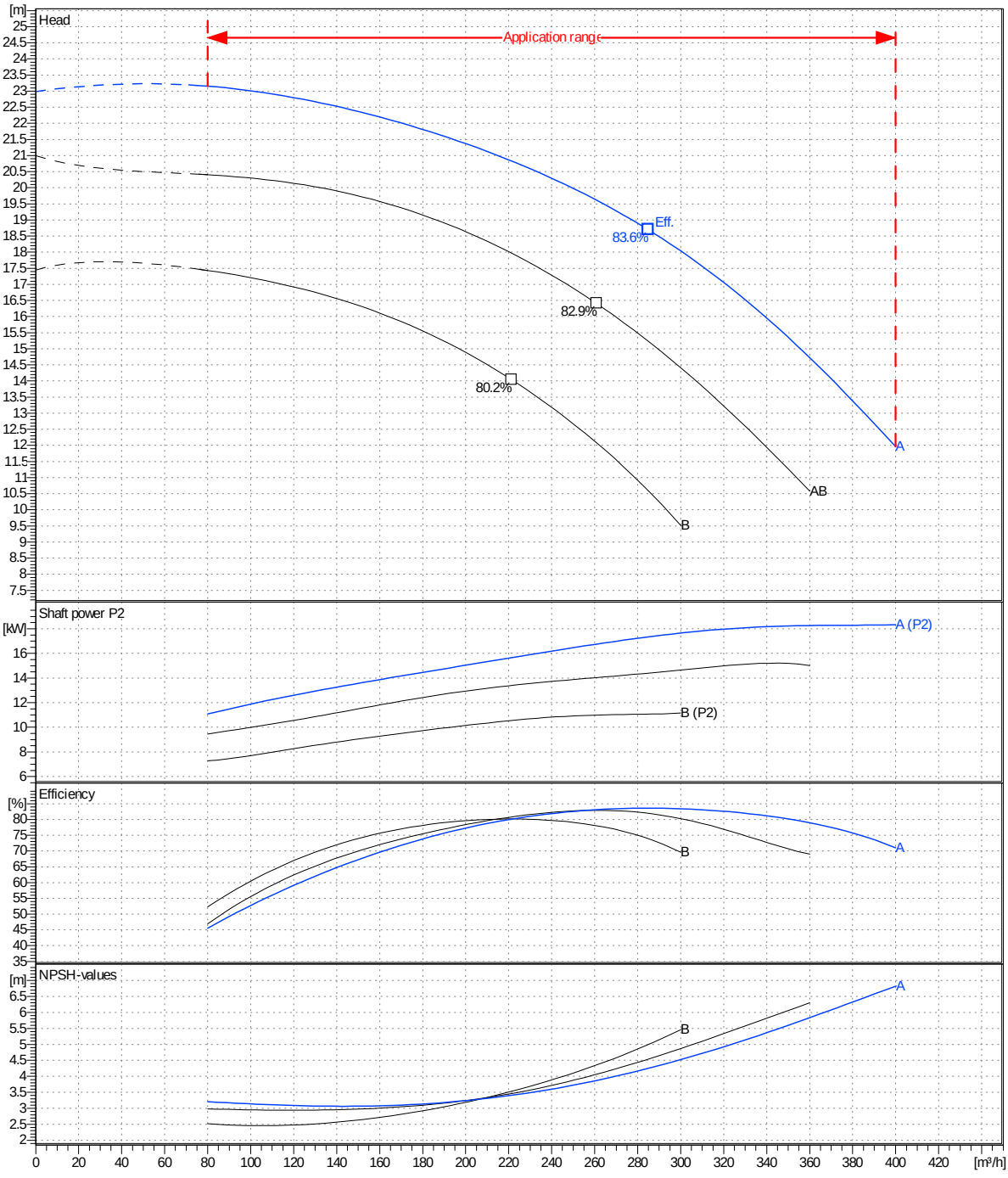
Operating area	Flow		Head	
Operating data specification	0	m³/h	0	m
Pump data		m³/h		m

Impeller type	
Impeller construction	Closed
Sense of rotation	Clockwise from the drive end
Outlet width	DN125
Speed 1/min	1450
Frequency Hz	50 Hz

	Flow			Head		Shaft power P2		
	Min.	Max.	η Max.	H(Q=0)	η Max.	P2(Q=0)	Max.	η Max.
	m³/h	m³/h	m³/h	m	m	kW	kW	kW
	80	400	285	23	18.7		18.3	17.3

Performance data based to: Water, pure [100%] ; 20°C; 0.998kg/dm³; 1mm²/s

UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2022-11-07	

SAER ELETTROPOMPE

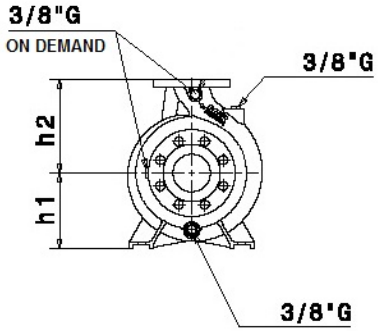
Revision no

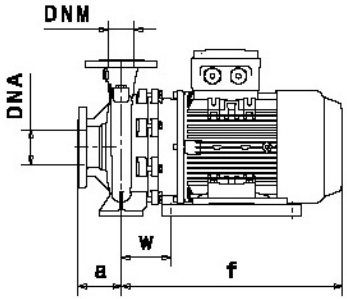
Type of installation
IRX4P-125-250A

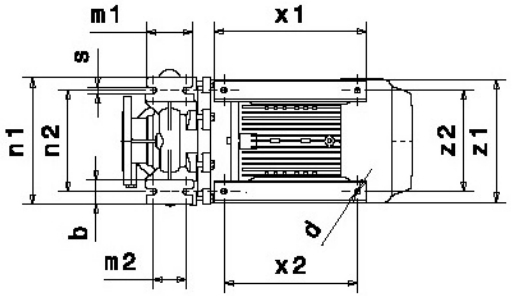
Receiver

From

Pump dimensions







Disegni dimensionali e immagini non vincolanti.Saer si riserva il diritto di effettuare cambiamenti senza alcun preawiso.
Dimensional drawing and picture are not binding.Saer reserves the right to make changes without prior notice.

Connections

Suction side	Discharge port
DN150	DN125
PN10 / PN16	PN10 / PN16

Dimensions in mm

a	140
b	80
d	14
h1	250
h2	355
m1	160
m2	120
n1	400
n2	315
s	18
w	237
x1	410
x2	370
z1	344
z2	279

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