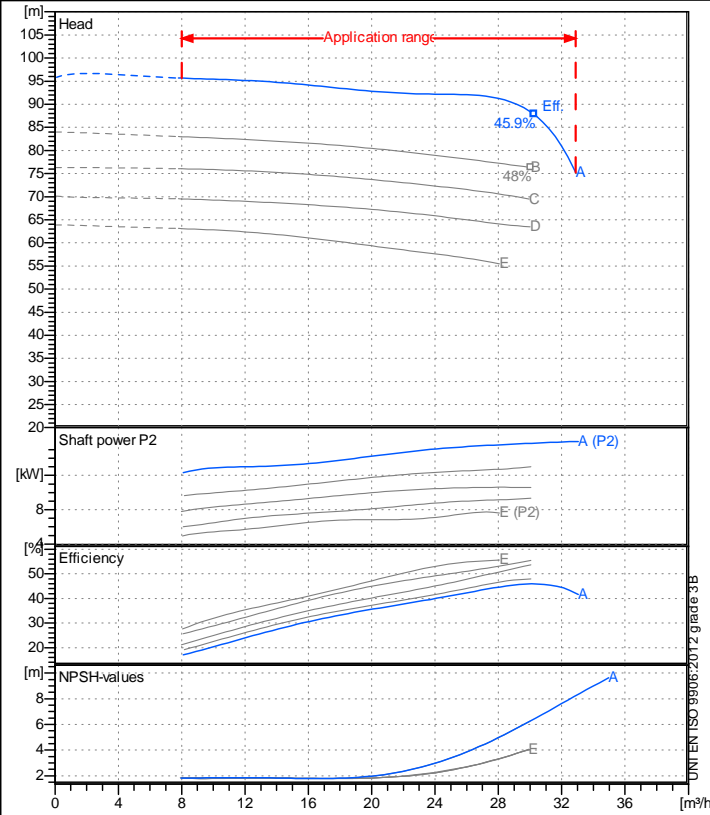


Receiver

From

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

**Operating data specification**

Nominal flow	m <sup>3</sup> /h 0
Nominal head	m 0
Static head	m 0
NPSH - v alue of plant	m 0
Inlet pressure	bar 0.09793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/dm <sup>3</sup> 0.9983
Kin. viscosity at t A	mm <sup>2</sup> /s 1.005

**Pump**

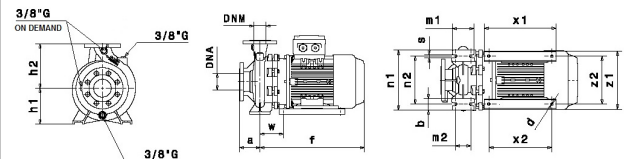
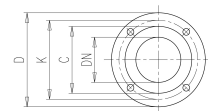
Pump name	IR32-250A		
Size	50/32/250		
MEI (Reg. 547/2002 EU) >	0,4		
Speed 1/min	2900	No of stages	1
Impeller type			
Flow	Nominal	m <sup>3</sup> /h	
	Max-	m <sup>3</sup> /h	32.9
	Min-	m <sup>3</sup> /h	8
Head	Nominal	m	
	Max-	m	95.7
	Min-	m	75.3
Head H(Q=0)	m	95.9	
NPSH 3%	m		
Max. working pressure	bar	9.39	
Shaft power	kW		
Efficiency	%		
Max absorbed power	kW	15.968	

**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 (Grafito/Ossido Allumina/EPDM)		

**Dimensions in mm**

a	100	z1	261	DNM	DNA		
b	65	z2	216	C	78	C	102
d	12			D	140	D	165
f	565			DN	32	DN	50
h1	180			K	100	K	125
h2	225			n°	4 x 19 mm <sup>2</sup>		4 x 19 mm <sup>2</sup>
m1	125						
m2	95						
n1	320						
n2	250						
s	14						
w	114						
x1	320						
x2	280						



<b>Motor</b>	Manufacturer / Type	SAER	132-2P-23	
Efficiency	IEC 60034-30	IE3		
Rated power	kW 17	Efficiency 4/4	92.2 %	
Number of poles	2	Frame size	132	
Electric current	A 30.6 A	Speed	1/min	2945
Electric voltage	V 400 V	3~	Hz	50
Starting mode	Unknown			
Degree of protection	IP 55	Insulation class	F	

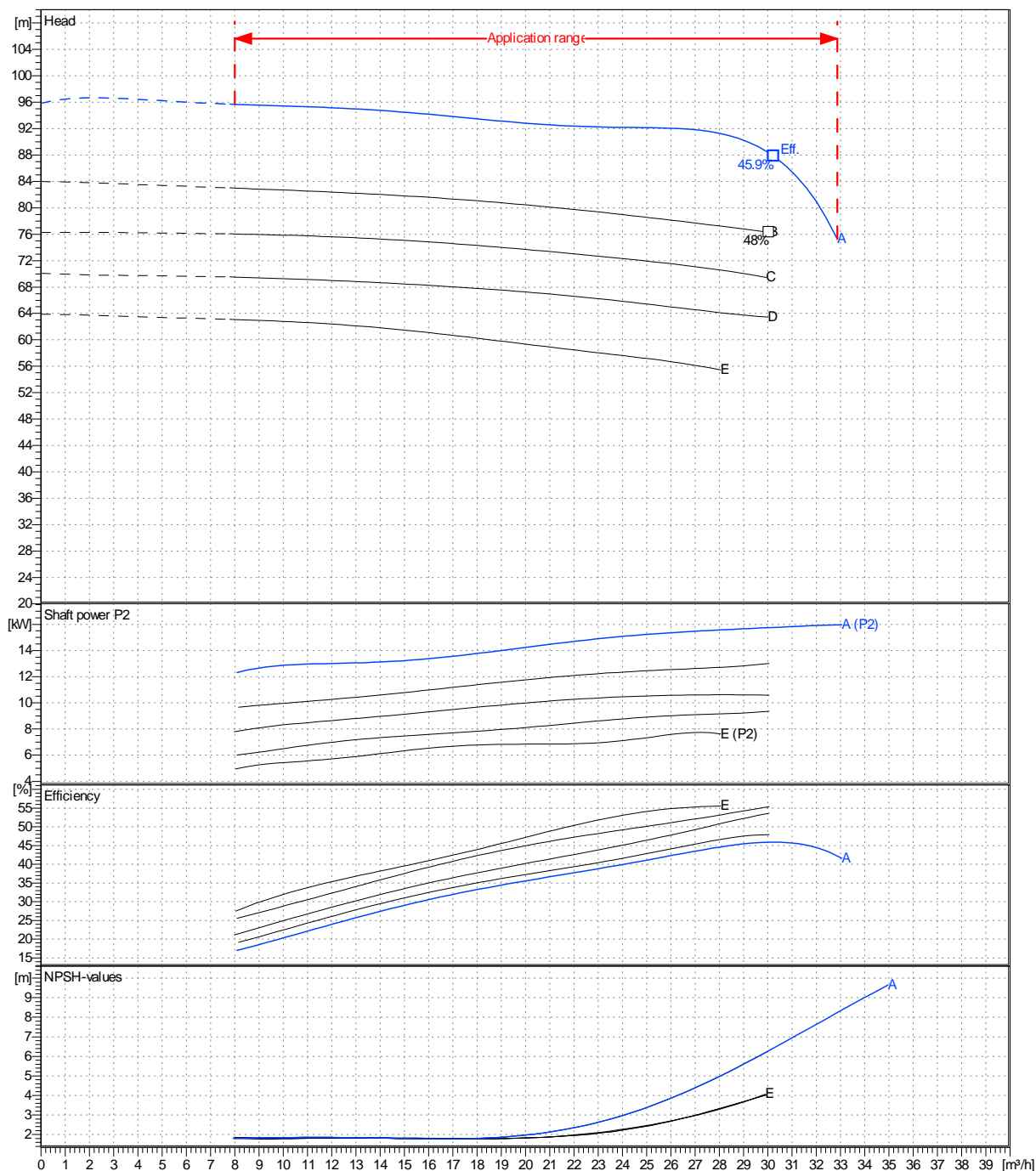
Remarks:

Project	Project ID	Created by	Created on	Last update
			<b>2021-08-05</b>	

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

Operating area	Flow	Head	Impeller type																																					
Operating data specification	0 m <sup>3</sup> /h	0 m	Impeller construction: Closed																																					
Pump data	m <sup>3</sup> /h	m	Sense of rotation: Clockwise from the drive end																																					
			Outlet width: DN32																																					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">Flow</th> <th colspan="2">Head</th> <th colspan="3">Shaft power P2</th> </tr> <tr> <th>Min.</th> <th>Max.</th> <th><math>\eta</math> Max.</th> <th>H(Q=0)</th> <th><math>\eta</math> Max.</th> <th>P2(Q=0)</th> <th>Max.</th> <th><math>\eta</math> Max.</th> </tr> <tr> <td>m<sup>3</sup>/h</td> <td>m<sup>3</sup>/h</td> <td>m<sup>3</sup>/h</td> <td>m</td> <td>m</td> <td>kW</td> <td>kW</td> <td>kW</td> </tr> <tr> <td>8</td> <td>32.9</td> <td>30.3</td> <td>95.9</td> <td>87.8</td> <td>16</td> <td>15.8</td> <td> </td> </tr> </table>	Flow			Head		Shaft power P2			Min.	Max.	$\eta$ Max.	H(Q=0)	$\eta$ Max.	P2(Q=0)	Max.	$\eta$ Max.	m <sup>3</sup> /h	m <sup>3</sup> /h	m <sup>3</sup> /h	m	m	kW	kW	kW	8	32.9	30.3	95.9	87.8	16	15.8		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Speed</td> <td>1/min</td> <td>2900</td> </tr> <tr> <td>Frequency</td> <td>Hz</td> <td>50 Hz</td> </tr> </table>	Speed	1/min	2900	Frequency	Hz	50 Hz
Flow			Head		Shaft power P2																																			
Min.	Max.	$\eta$ Max.	H(Q=0)	$\eta$ Max.	P2(Q=0)	Max.	$\eta$ Max.																																	
m <sup>3</sup> /h	m <sup>3</sup> /h	m <sup>3</sup> /h	m	m	kW	kW	kW																																	
8	32.9	30.3	95.9	87.8	16	15.8																																		
Speed	1/min	2900																																						
Frequency	Hz	50 Hz																																						

Performance data based to: Water, pure [100%]; 20°C; 0.998kg/dm<sup>3</sup>; 1mm<sup>2</sup>/s UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2021-08-05	

Revision no

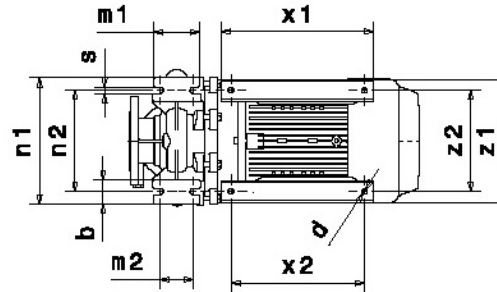
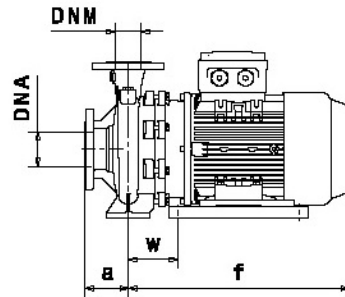
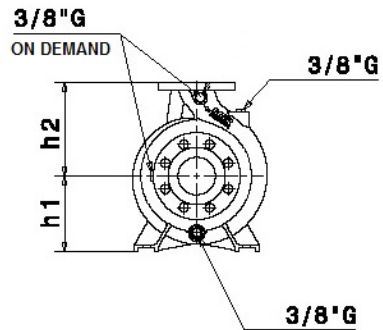
Pump dimensions

Connections

Suction side DN50 PN10 / PN16	Discharge port DN32 PN10 / PN16
-------------------------------------	---------------------------------------

Dimensions in mm

a	100
b	65
d	12
f	565
h1	180
h2	225
m1	125
m2	95
n1	320
n2	250
s	14
w	114
x1	320
x2	280
z1	261
z2	216



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

Project

Project ID

Created by

Created on  
**2021-08-05**

Last update