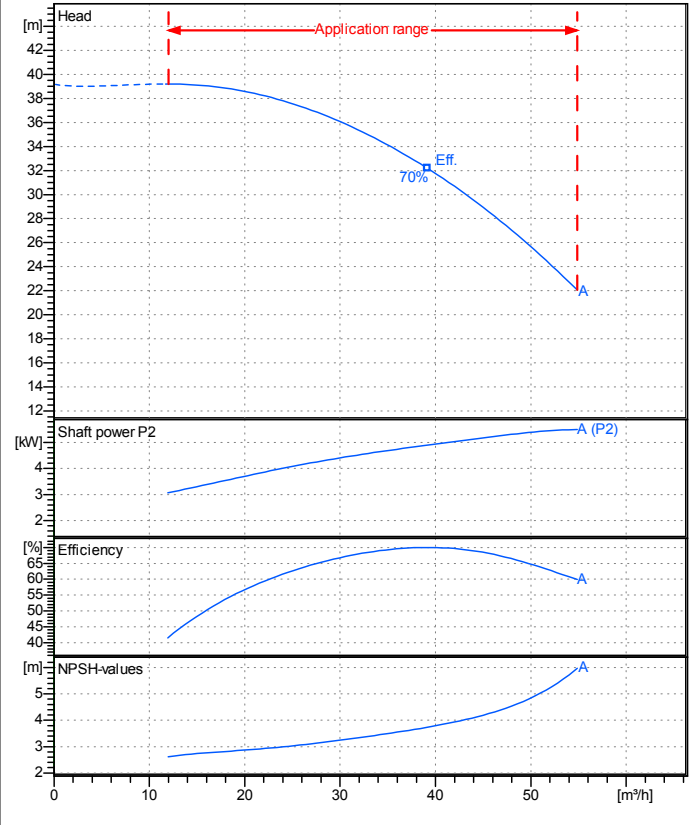


Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Receiver	From



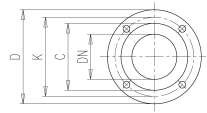
Operating data specification

Nominal flow	m³/h 0
Nominal head	m 0
Static head	m 0
NPSH - v alue of plant	m 0
Inlet pressure	kPa 9.793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/m³ 998.3
Kin. viscosity at t A	mm²/s 1.005

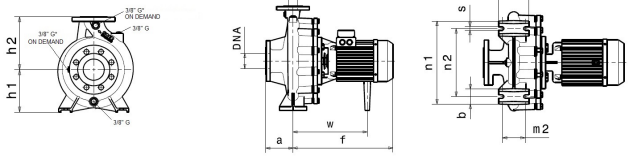
Pump		IR40-160NA	
Pump name	IR40-160NA		
Size	65/40/160		
MEI (Reg. 547/2002 EU) >	0,5		
Speed rpm	2900	No of stages	1
Impeller type			
Flow	Nominal	m³/h	
	Max-	m³/h	55
	Min-	m³/h	12
Head	Nominal	m	
	Max-	m	39.2
	Min-	m	22
Head H(Q=0)	m 39.2		
NPSH 3%	m		
Max. working pressure	kPa 383		
Shaft power	kW		
Efficiency	%		
Max absorbed power	kW 5.4925		

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			
		DNM	DNA
a	80		
b	50		
f	450	C 88	C 122
h1	132	D 150	D 185
h2	160	DN 40	DN 65
m1	100	K 110	K 145
m2	70	n° 4 x 19 mm	4 x 19 mm
n1	240		
n2	190		
s	14		
w	304		



Motor	Manufacturer / Type	SAER	112-2P-7,5
Efficiency	IEC 60034-30	IE2	
Rated power	kW 5.5	Efficiency 4/4	87.4 %
Number of poles	2	Frame size	112
Electric current	A 10.5 A	Speed	rpm 2910
Electric voltage	V 400 V	3~	Hz 50
Starting mode	Star-delta		
Degree of protection	IP 55	Insulation class	F

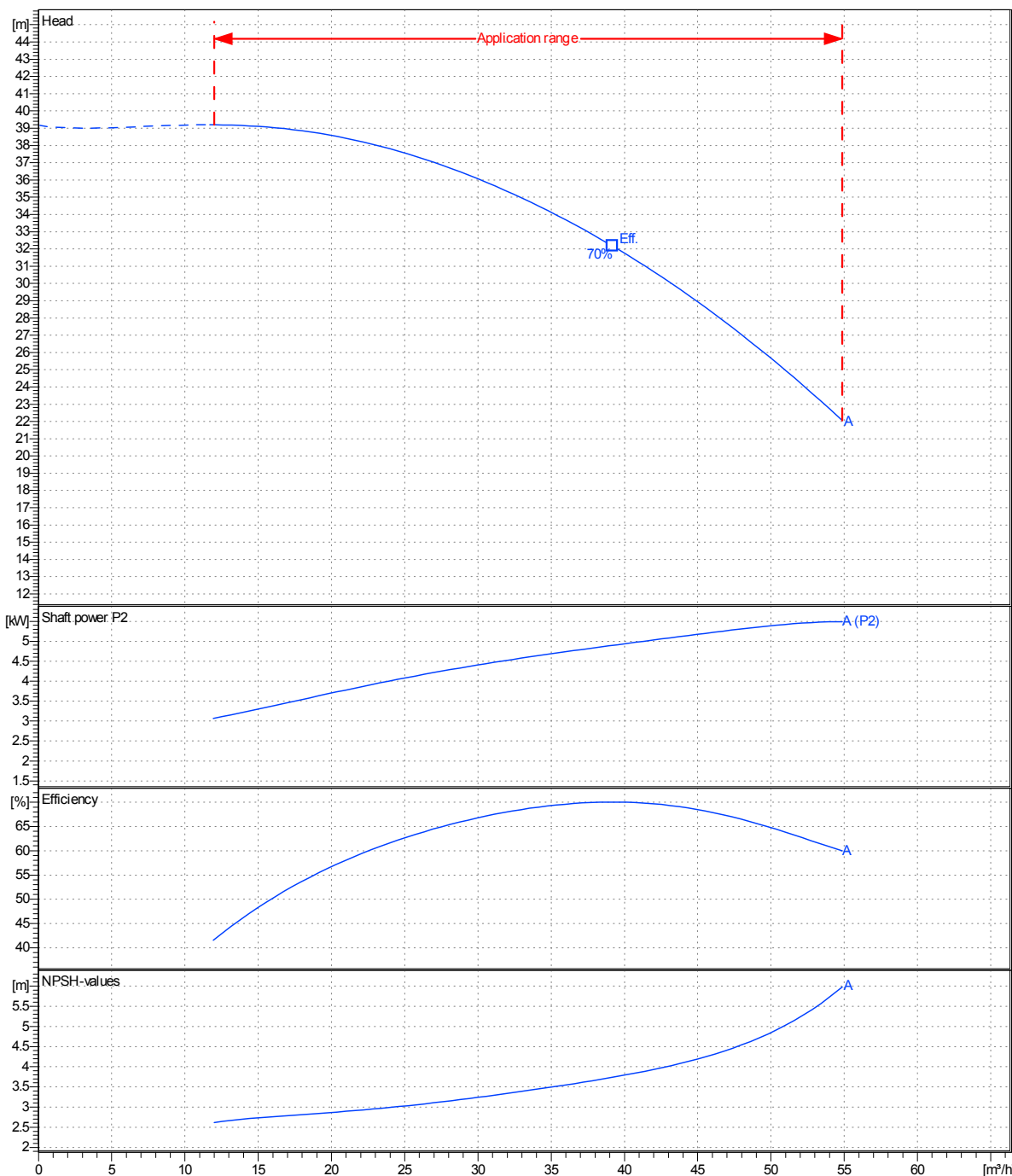


Remarks:				
Project	Project ID	Created by	Created on	Last update
			8/6/2019	

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 ³ /h	0 m	Impeller construction: Closed																															
Pump data	m ³ /h	m	Sense of rotation: Clockwise from the drive end																															
			Outlet width: DN40																															
	Speed		rpm: 2900																															
	Frequency		Hz: 50 Hz																															
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <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>η Max.</th> <th>H(Q=0)</th> <th>η Max.</th> <th>P2(Q=0)</th> <th>Max.</th> <th>η Max.</th> </tr> <tr> <th>m³/h</th> <th>m³/h</th> <th>m³/h</th> <th>m</th> <th>m</th> <th>kW</th> <th>kW</th> <th>kW</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>54.9</td> <td>39.2</td> <td>39.2</td> <td>32.2</td> <td></td> <td>5.49</td> <td>4.9</td> </tr> </tbody> </table>	Flow			Head		Shaft power P2			Min.	Max.	η Max.	H(Q=0)	η Max.	P2(Q=0)	Max.	η Max.	m ³ /h	m ³ /h	m ³ /h	m	m	kW	kW	kW	12	54.9	39.2	39.2	32.2		5.49	4.9	
Flow			Head		Shaft power P2																													
Min.	Max.	η Max.	H(Q=0)	η Max.	P2(Q=0)	Max.	η Max.																											
m ³ /h	m ³ /h	m ³ /h	m	m	kW	kW	kW																											
12	54.9	39.2	39.2	32.2		5.49	4.9																											

Performance data based to: Water, pure [100%] ; 20°C; 998kg/m³; 1mm²/s UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			8/6/2019	

Revision no

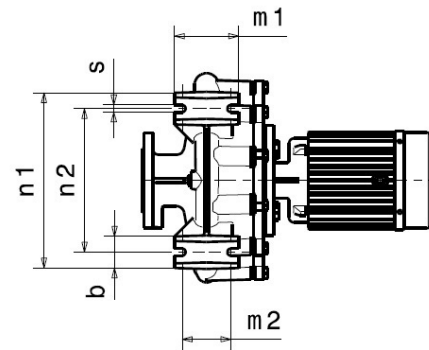
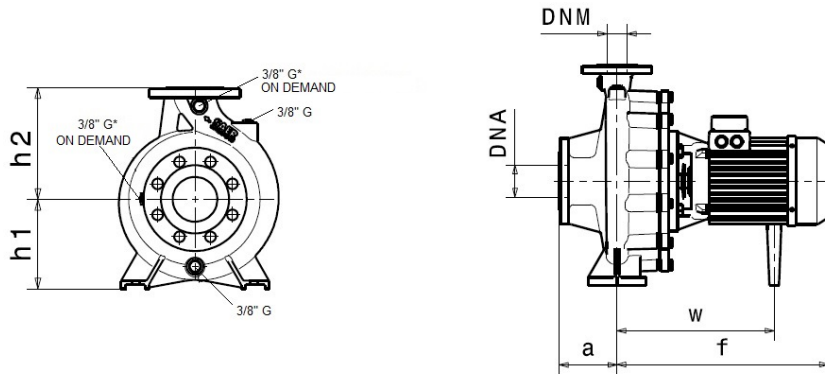
Pump dimensions

Connections

Suction side	Discharge port
DN65	DN40
PN10 /	PN10 /

Dimensions in mm

a	80
b	50
f	450
h1	132
h2	160
m1	100
m2	70
n1	240
n2	190
s	14
w	304



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
8/6/2019

Last update