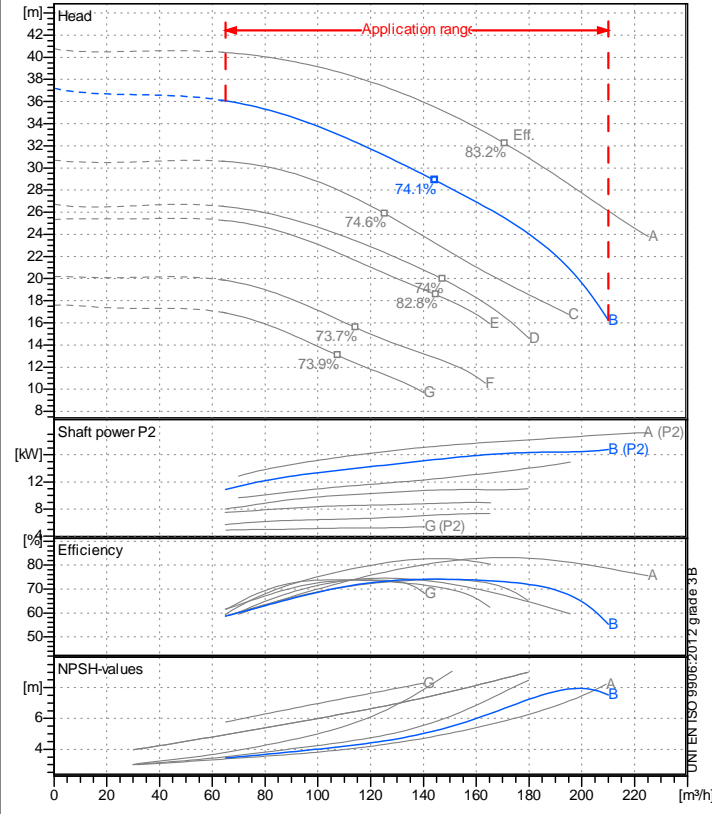


Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Receiver	From



Operating data specification

Nominal flow	m³/h 0
Nominal head	m 0
Static head	m 0
NPSH - v 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

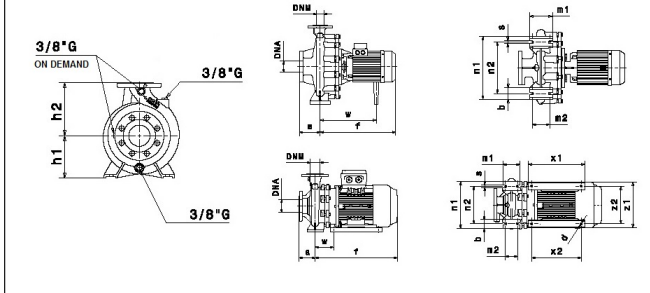
Pump		IR80-160B	
Pump name	IR80-160B		
Size	100/80/160		
MEI (Reg. 547/2002 EU) >	0,6		
Speed 1/min	2900	No of stages	1
Impeller type			
Flow	Nominal	m³/h	
	Max-	m³/h	210
	Min-	m³/h	65
Head	Nominal	m	
	Max-	m	36.1
	Min-	m	16.2
Head H(Q=0)	m	37.2	
NPSH 3%	m		
Max. working pressure	bar	3.64	
Shaft power	kW		
Efficiency	%		
Max absorbed power	kW	16.766	

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	125	z1	319	DNM	DNA		
b	65	z2	254	C	138	C	158
d	14	D	204	DN	80	DN	100
f	644	K	160	n°	8 x 19 mm		8 x 19 mm
h1	180						
h2	225						
m1	125						
m2	95						
n1	320						
n2	250						
s	14						
w	153						
x1	410						
x2	370						



Motor		Manufacturer / Type		SAER 160-2P-25	
Efficiency	IEC 60034-30			IE3	
Rated power	kW 18.5	Efficiency 4/4	93.1 %		
Number of poles	2	Frame size	160		
Electric current	A 33 A	Speed	1/min 2959		
Electric voltage	V 400 V	3~	Hz 50		
Starting mode	Unknown				
Degree of protection	IP 55	Insulation class	F		

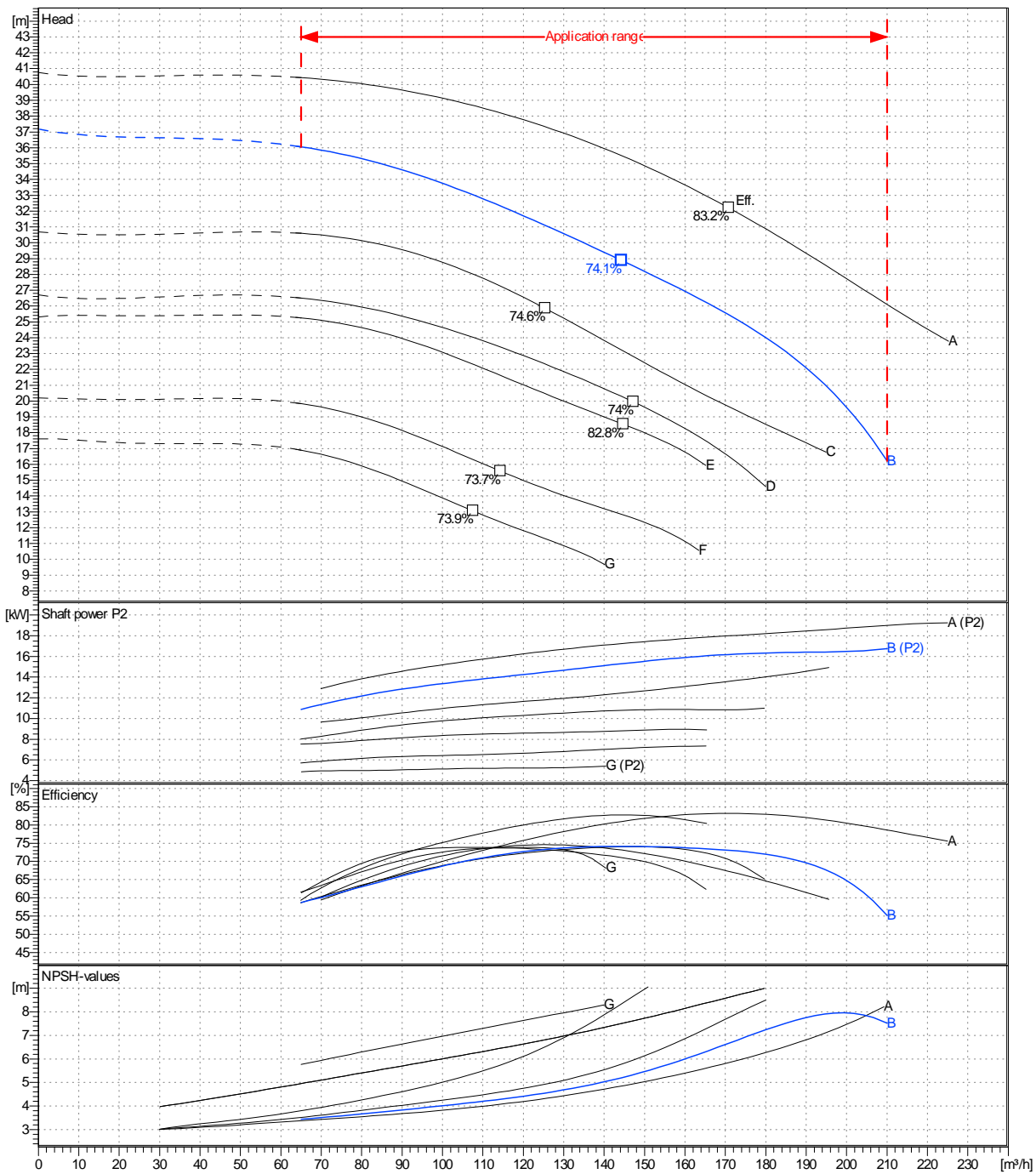
Remarks:					
Project	Project ID	Created by	Created on	Last update	
			2021-08-05		

Company name
 Respons. Department
 Person in charge
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 E-mail address

Receiver	From

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: DN80
	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
	65 210 144	37.2 28.9	16.8 15.3
			Speed: 1/min 2900
			Frequency: Hz 50 Hz

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
			2021-08-05	

Revision no

Pump dimensions

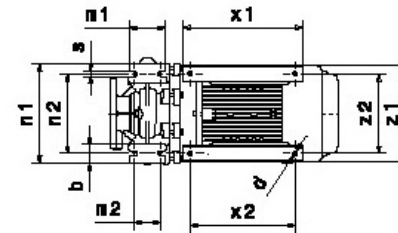
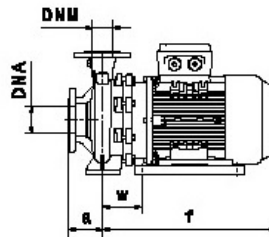
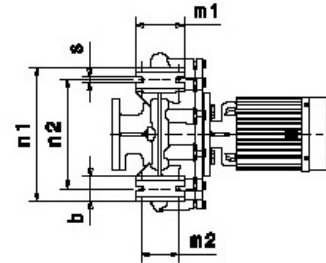
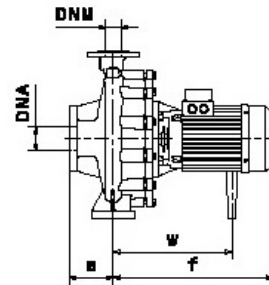
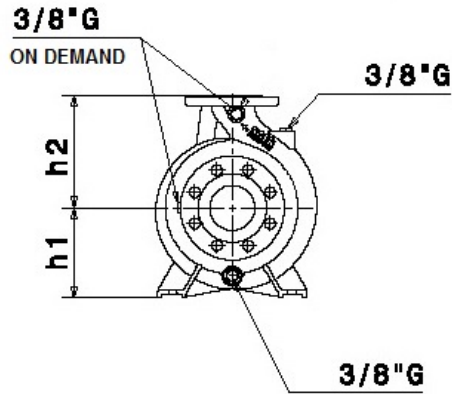
Connections

Suction side DN100 PN10 / PN16	Discharge port DN80 PN10 / PN16
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Dimensions in mm

a	125
b	65
d	14
f	644
h1	180
h2	225
m1	125
m2	95
n1	320
n2	250
s	14
w	153
x1	410
x2	370
z1	319
z2	254

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