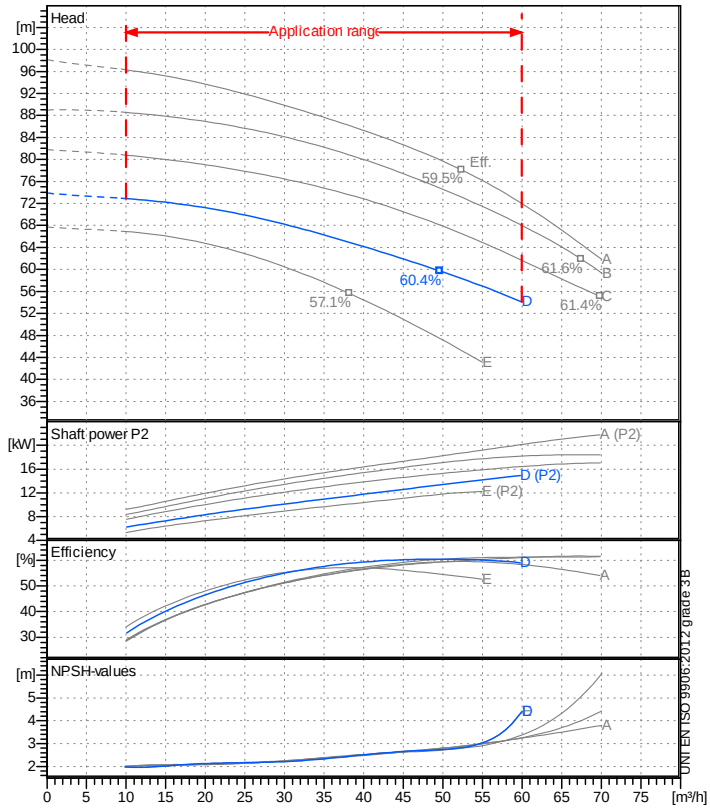
Technical data
IR40-250ND

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	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			IR40-250ND	
Size			65/40/250	
MEI (Reg. 547/2002 EU) >			0,7	
Speed	1/min	2900	No of stages	1
Impeller type				
Flow	Nominal	m³/h		
	Max-	m³/h	60	
	Min-	m³/h	10	
Head	Nominal	m		
	Max-	m	72.9	
	Min-	m	54.1	
Head H(Q=0)		m	73.9	
NPSH 3%		m		
Max. working pressure		bar	7.24	
Shaft power		kW		
Efficiency		%		
Max absorbed power		kW	14.938	

Materials Pump

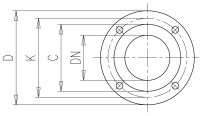
Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Seal disc	Cast iron EN-GJL-250
Gasket	Natural fiber
Mechanical seal	BVEG (Grafite/Ossido Allumina/EPDM)

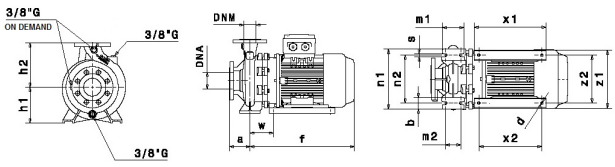
Motor	Manufacturer / Type		SAER	132-2P-20	
Efficiency	IEC 60034-30		IE3		
Rated power	kW	15	Efficiency 4/4		92.1 %
Number of poles		2	Frame size		132
Electric current	A	27.4 A	Speed	1/min	2946
Electric voltage	V	400 V	3~	Hz	50
Starting mode		Unknown			
Degree of protection		IP 55	Insulation class		F

Dimensions in mm

a	100	z1	261
b	65	z2	216
d	12		
f	564		
h1	180		
h2	225		
m1	125		
m2	95		
n1	320		
n2	250		
s	14		
w	113		
x1	320		
x2	280		

DNM		DNA	
C	88	C	122
D	150	D	185
DN	40	DN	65
K	110	K	145
n°	4 x 19 mm	n°	4 x 19 mm





Remarks:

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

Performance curves
IR40-250ND

Revision no

Page: 2

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

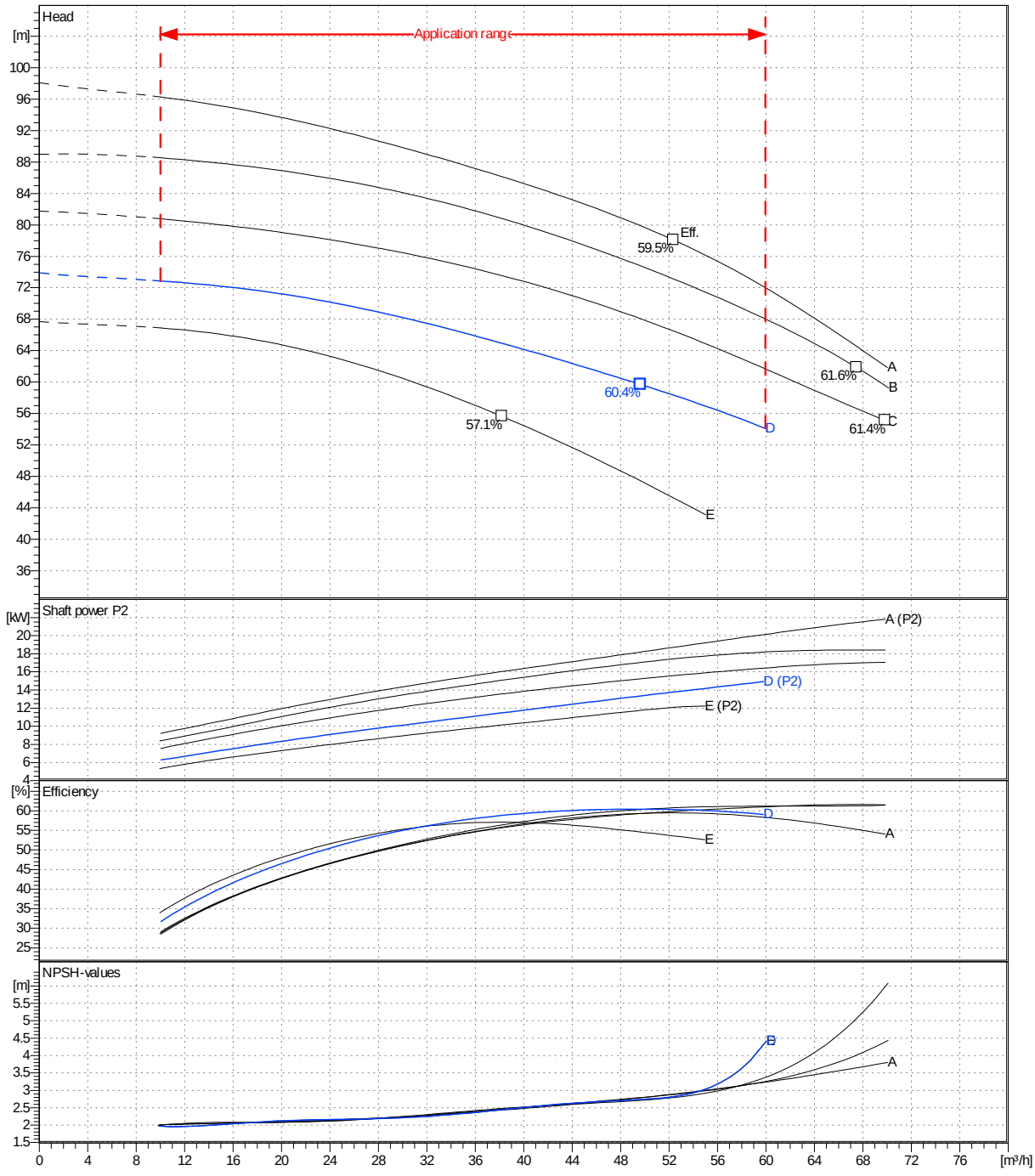
Operating area	Flow	Head
Operating data specification	0 m³/h	0 m
Pump data	m³/h	m

Impeller type	
Impeller construction	Closed
Sense of rotation	Clockwise from the drive end
Outlet width	DN40
Speed 1/min	2900
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
	10	60	49.6	73.9	59.7		14.9	13.3

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
			2021-08-05	

SAER ELETTROPOMPE

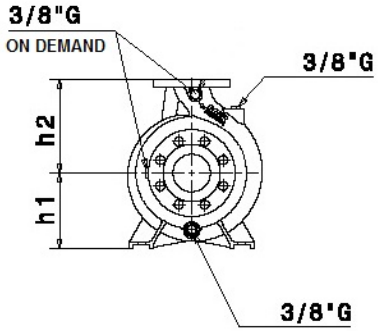
Revision no

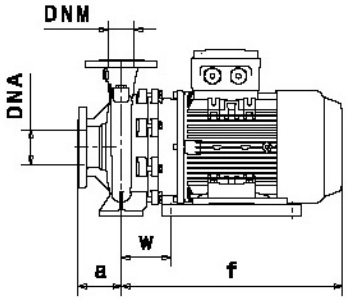
Type of installation
IR40-250ND

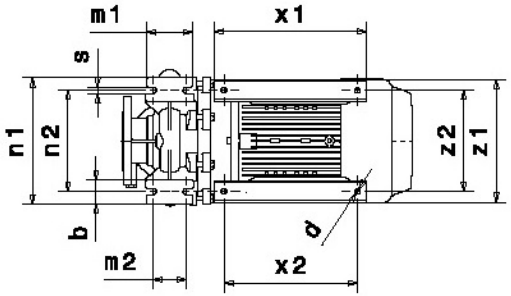
Receiver

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
DN65	DN40
PN10 / PN16	PN10 / PN16

Dimensions in mm

a	100
b	65
d	12
f	564
h1	180
h2	225
m1	125
m2	95
n1	320
n2	250
s	14
w	113
x1	320
x2	280
z1	261
z2	216

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