Technical data
IR40-250ND

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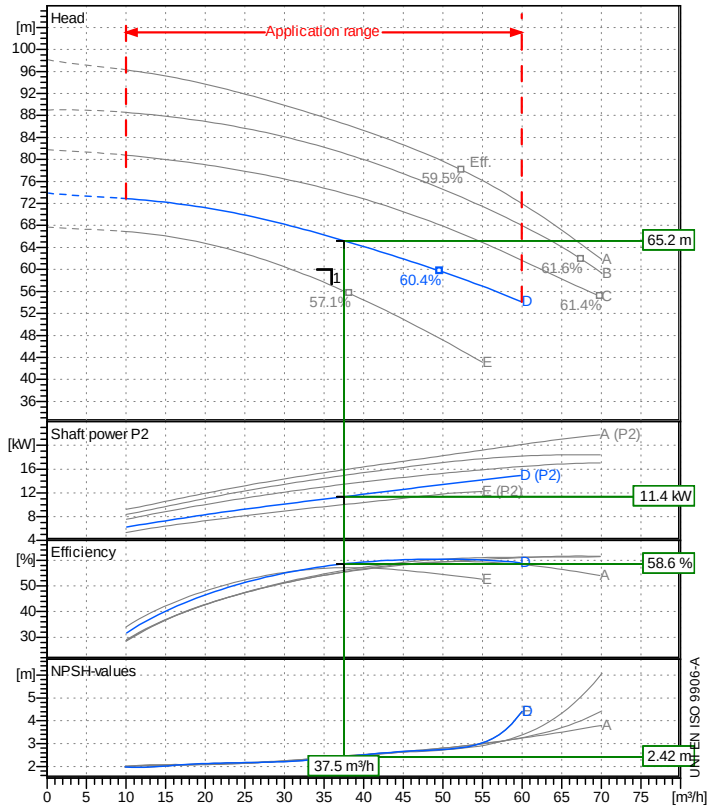
Receiver		From	
Company name		SC MASTER ENGINEERING SRL	
Respons. Department		Tehnic	
Person in charge		BOGDAN, POPA	
Phone number		0742828049	
Fax no		-	
E-mail address		bogdan.popa@master-eng.ro	



Operating data specification

Nominal flow	m³/h	36
Nominal head	m	60
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	
Design				
Speed	1/min	2900	No of stages	1
Impeller type				
Flow		Nominal	m³/h	37.5
		Max-	m³/h	60
		Min-	m³/h	10
Head		Nominal	m	65.2
		Max-	m	72.9
		Min-	m	54.1
Head H(Q=0)			m	73.9
NPSH 3%			m	2.42
Max. working pressure			bar	7.33
Shaft power			kW	11.4
Efficiency			%	58.6
Max absorbed power			kW	14.938

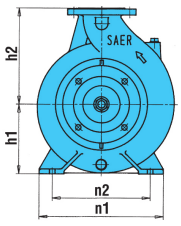
Materials Pump

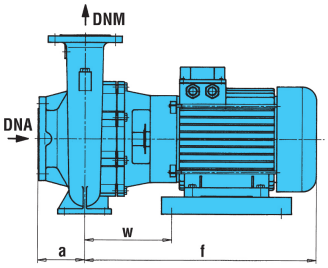
Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Disco porta tenuta	Cast iron EN-GJL-250
Gasket	Natural fiber
Mechanical seal	BVEG (Grafite/Ossido Allumina/EPDM)

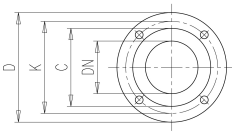
Motor		Frame size		132 M	
Manufacturer / Type		SAER 132 M 2 - 15			
Rated power	kW	15	Efficiency 4/4		0 %
Electric current	A		Speed	1/min	2950
Electric voltage	V	400 V	3~	Hz	50
Starting mode		Unknown			
Degree of protection		IP 55	Insulation class		F

Dimensions in mm

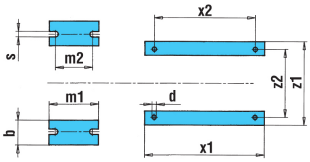
a	100	z1	258
b	65	z2	216
d	12		
DNA	64		
DNM	40		
f	525.5		
h1	180		
h2	225		
m1	125		
m2	95		
n1	320		
n2	250		
s	14		
w	166.5		
x1	320		
x2	280		







C	88	C	122
D	150	D	185
DN	40	DN	65
K	110	K	145
n°	4	n°	4
ø	19	ø	19



Remarks:

Project	Project ID	Created by	Created on	Last update
		BOGDAN, POPA	**2016-11-22**	

Performance curves
IR40-250ND

Revision no	Page:
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Receiver	From
Company name	SC MASTER ENGINEERING SRL
Respons. Department	Tehnic
Person in charge	BOGDAN, POPA
Phone number	0742828049
Fax no	-
E-mail address	bogdan.popa@master-eng.ro

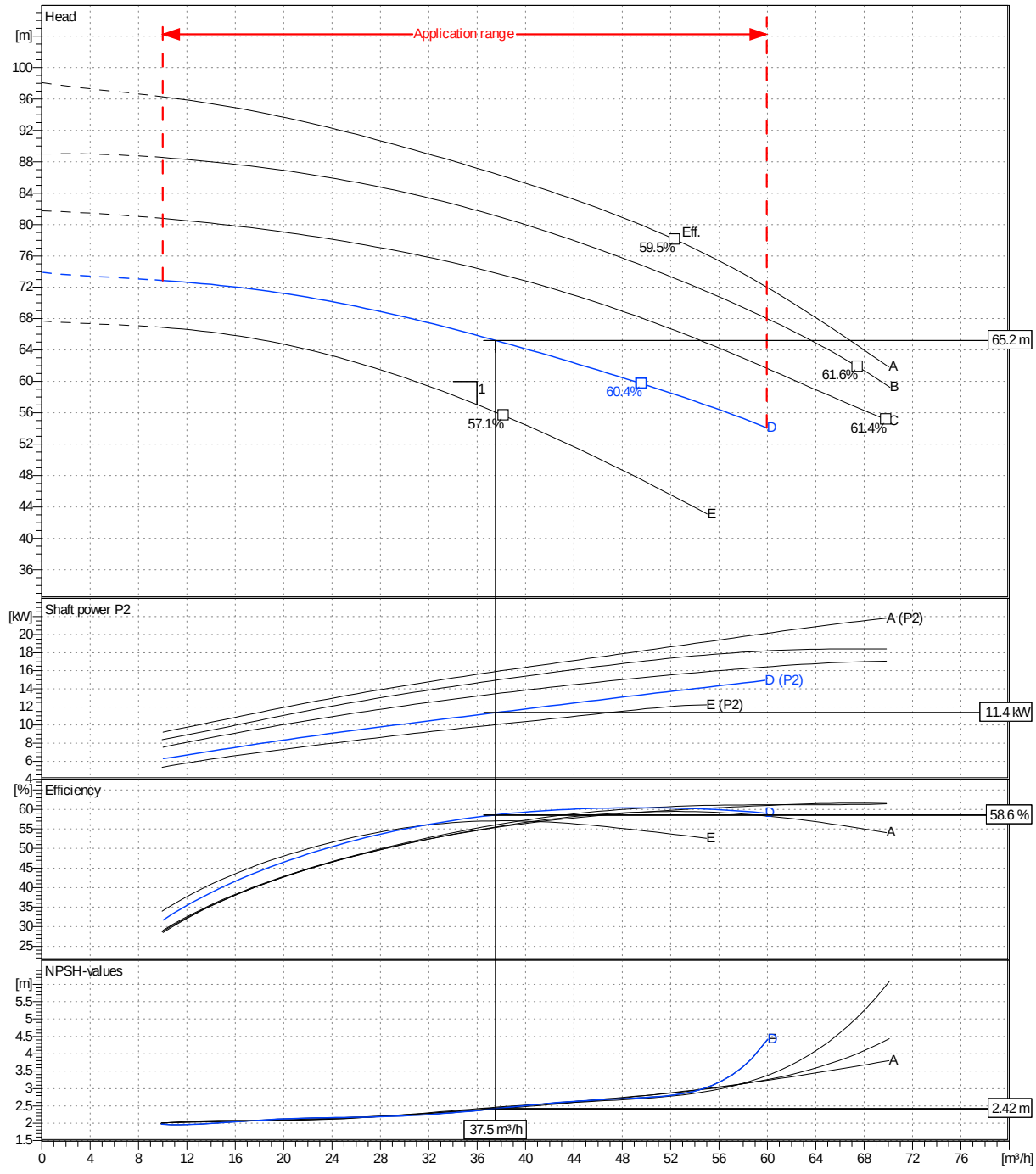
Operating area	Flow	Head
Operating data specification	36 m³/h	60 m
Pump data	37.5 m³/h	65.2 m

Impeller type	
Impeller construction	Closed
Sense of rotation	Clockwise from the drive end
Outlet width	DN 40
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-A



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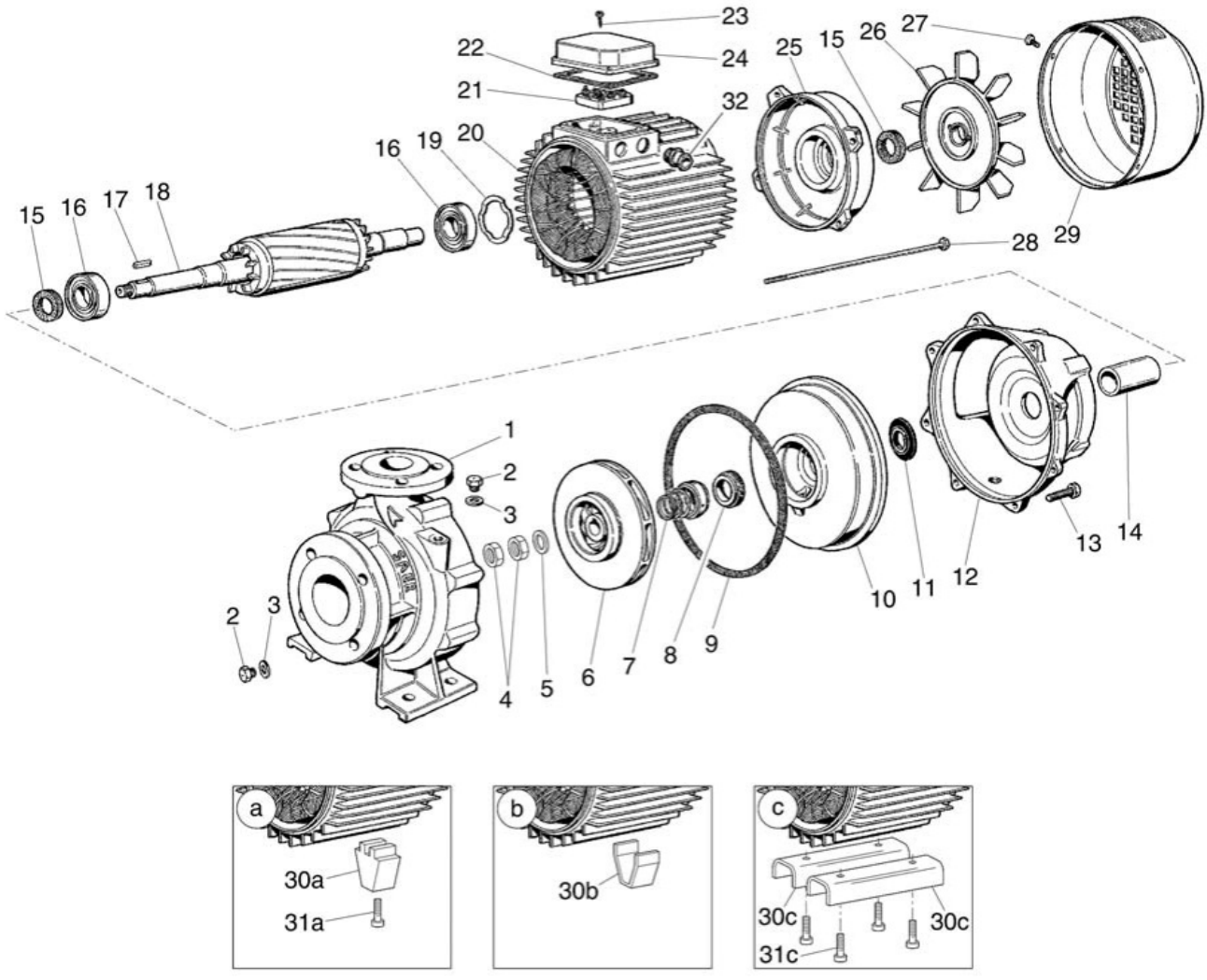
		BOGDAN, POPA	2016-11-22	

SAER ELETTROPOMPE	**Spare parts** IR40-250ND	Revision no	Page: 3

Company name		SC MASTER ENGINEERING SRL
Respons. Department		Tehnic
Person in charge		BOGDAN, POPA
Phone number		0742828049
Fax no		-
E-mail address		bogdan.popa@master-eng.ro



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		BOGDAN, POPA	**2016-11-22**	