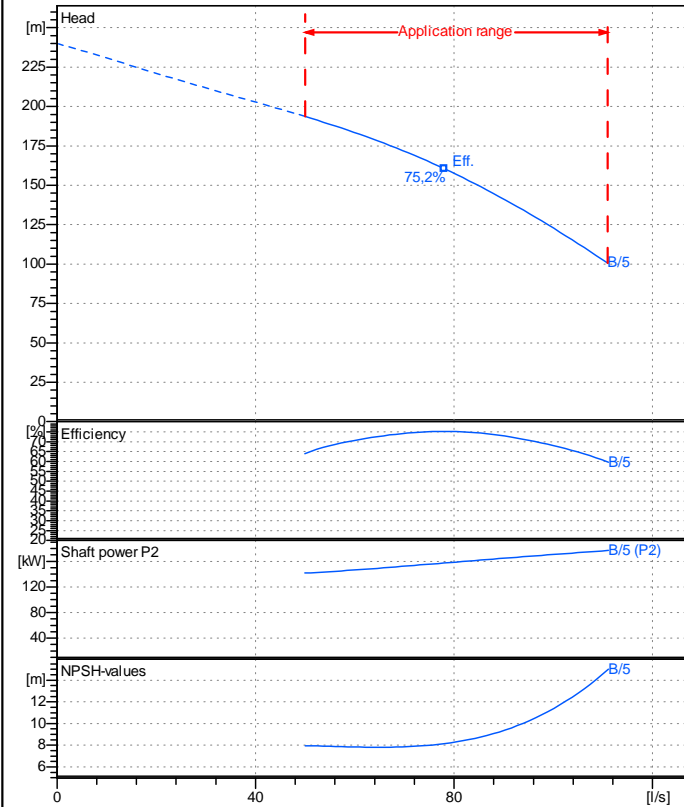
		Product description S-252B/5		Revision no	Page: 1
		Receiver		From	
Company name Respons. Department Person in charge Phone number Fax no E-mail address				SAER Elettropompe spa - Favella, Marco - - -	
Item	Quant.	Description			
1	1	<p>SERIES S-252</p> <p>10" SEMI-AXIAL SUBMERSIBLE PUMP</p> <p>S-252B/5</p> <p>Selected material for pump: Cast iron</p> <p>Selected material for motor: Standard / 50 Hz / Pole pairs 1</p> <p>APPLICATION</p> <p>Suitable for lifting, pressurising and distribution in civil and industrial installations, autoclave and cistern inlets, washing plants, irrigation systems. Draws from wells of minimum diameter of 264 mm, tanks or natural basins.</p> <p>CONSTRUCTION FEATURES</p> <p>SP-252: hydraulic part to be connected with 8" submersible motors with coupling following NEMA MG1-18.414 - 18.424 or 10" submersible motors</p> <p>Impeller:</p> <p>Outlet complete with non return valve.</p> <p>Pump equipped with counter trust ring in anti-wear resin. Diffuser complete with wear ring in anti-wear rubber with metallic shell.</p> <p>Driving bushings in anti-wear rubber.</p> <p>Components realized with particular materials which assure an high wear resistance.</p> <p>Outlet: threaded exit 6"G</p> <p>Impeller material: Cast iron EN-GJL-250</p> <p>INPUT DATA</p> <p>Q=0 l/s</p> <p>H=0 m</p> <p>OPERATION DATA</p> <p>Fluid: chemically and mechanically non-aggressive, without any solid substance or abrasive parts.</p> <p>Passing of solids: max 3 mm.</p> <p>Temperature of the pumped liquid: min 0°C max 30°C (for higher temperature, please, verify).</p> <p>Maximum working pressure: 30 bar.</p> <p>Maximum immersion depth: 300 m under liquid level.</p> <p>Direction of rotation: clockwise, looking by the outlet.</p> <p>Performance at 2900 rpm</p> <p>Q= - Qmax=110,98 l/s</p> <p>H=</p> <p>PERFORMANCE TOLLERANCES</p> <p>Pumps: UNI EN ISO 9906 Appendix A.</p> <p>Motor: norms IEC 60034-1.</p> <p>INSTALLATION</p> <p>Vertical / horizontal (depending on power).</p> <p>MOTOR</p> <p>MS251-230 - 170 kW - 400 V - 50 Hz - 3-</p> <p>Starting mode: Directly</p> <p>Speed: 2930 1/min</p> <p>Rated current: 308 A</p> <p>Degree of protection: IP 68</p> <p>Motor full load efficiency: 89,8 %</p>			
1		<p>Motor: MS251-230</p> <p>Subtotal:</p>			
Total price excl. VAT		VAT in %		Total price incl. VAT	
0,00 Euro		16		0,00 Euro	
Project		Project ID		Created by	
				Favella, Marco	
				Created on	
				2013-06-28	
				Last update	

Receiver

From

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

 SAER Elettropompe spa
 -
 Favella, Marco
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Operating data specification

Nominal flow	l/s	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/dm ³	0,9983
Kin. viscosity at t A	mm ² /s	1,005

Pump

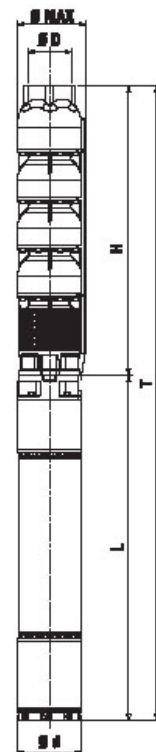
Pump name	S-252B/5			
Size				
Design				
Speed	1/min	2900	No of stages	5
Impeller type				
Flow	Nominal	l/s		
	Max-	l/s 111		
	Min-	l/s 50		
Head	Nominal	m		
	Max-	m 194		
	Min-	m 101		
Head H(Q=0)	m 240			
NPSH 3%	m			
Max. working pressure	bar 23,5			
Shaft power	kW			
Efficiency	%			
Max absorbed power	kW 176,99			

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)		
Impeller	Cast iron EN-GJL-250		
Diffuser	Cast iron EN-GJL-250		
Suction support	Cast iron EN-GJL-250		
Outlet	Cast iron EN-GJL-250		
Cable cover	Stainless steel AISI 304 (1.4301)		
Valve	Stainless steel AISI 304 (1.4301)		
Rubber components	EPDM Rubber		

Dimensions in mm

H	1465
ød	236
øD	G 6"
øMax	255
T	3265



D G6"

Motor	Frame size	10"		
Manufacturer / Type	SAER MS251-230			
Rated power	kW	170	Efficiency 4/4	89,8 %
Electric current	A	308	Speed	1/min 2930
Electric voltage	V	400 V	3~	Hz 50
Starting mode	Directly			
Degree of protection	IP 68	Insulation class	Y	

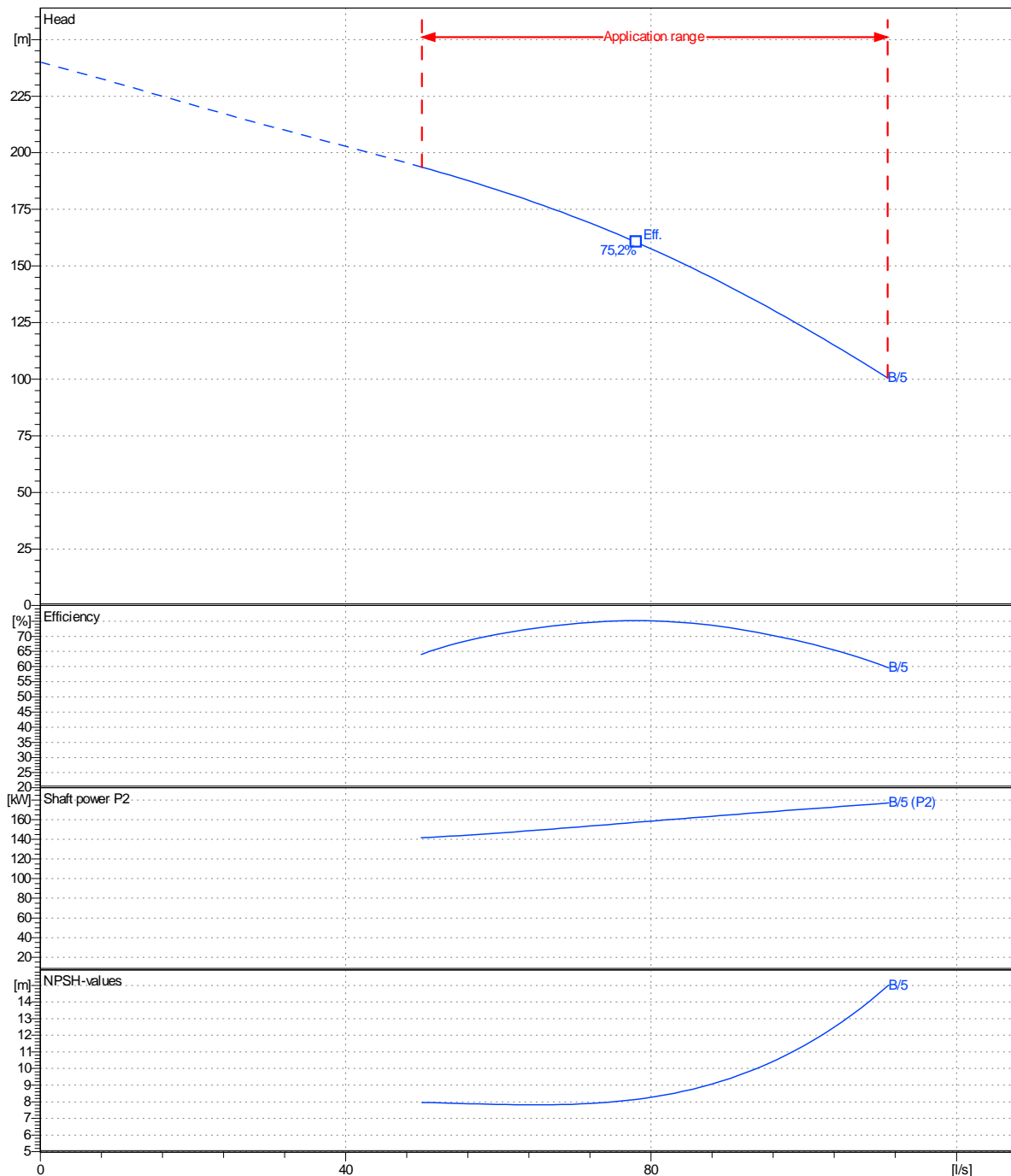
Remarks:

Project	Project ID	Created by	Created on	Last update
		Favella, Marco	2013-06-28	

Receiver		From	
Company name		SAER Elettropompe spa	
Respons. Department		-	
Person in charge		Favella, Marco	
Phone number		-	
Fax no		-	
E-mail address		-	
Operating area	Flow	Head	Impeller type
Operating data specification	0 l/s	0 m	Impeller construction
Pump data	l/s	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			G6"
	Flow	Head	Shaft power P2
	Min. Max. η Max.	H(Q=0) η Max.	P2(Q=0) Max. η Max.
	l/s l/s l/s	m m	kW kW kW
	50 111 78,1	240 160	177 157
			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-A



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Spare parts S-252B/5

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Company name
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SAER Elettropompe spa

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Favella, Marco

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Project

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