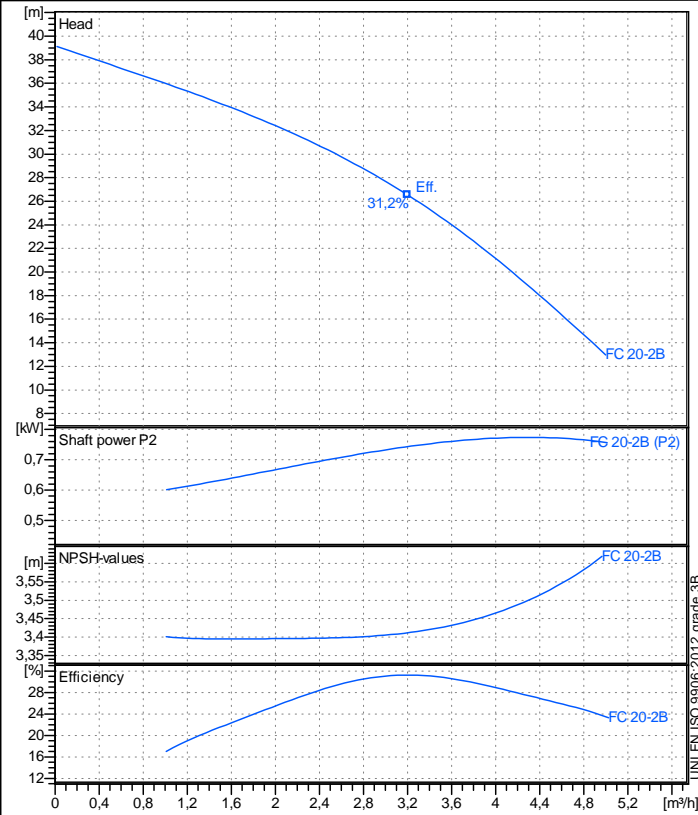
		<b>Product description</b> <b>FC 20-2B</b>		Revision no	Page: 1
		Receiver		From	
Company name Respons. Department Person in charge Phone number Fax no E-mail address					
Item	Quant.	Description			
1	1	<p><b>SERIES FC</b></p> <p><b>ELECTRIC CENTRIFUGAL PUMPS WITH TWO OPPOSITE IMPELLERS</b></p> <p>FC 20-2B</p> <p>APPLICATIONS</p> <p>Industrial water supply , pressurized water using pressure v essels (autoclaves), horticultural and agricultural irrigation, civil and domestic water transfer applications.</p> <p>PUMP CONSTRUCTION</p> <p>Pump body and motor support in cast iron.          Rotor shaft fitted with seal for life bearings          Totally enclosed fan cooled motor (TEFC)          Mechanical seal:BXPG (Gra/Cer/NBR)</p> <p>IMPELLER</p> <p>Impeller material:Brass</p> <p>Inlet: G1"          Outlet: G1"</p> <p>INPUT DATA</p> <p>Q=0 m³/h          H=0 m</p> <p>OUTPUT DATA AT 2850 1/min</p> <p>Q= - Qmax=5,0008 m³/h          H=</p> <p>Liquid quality required clean or slightly dirty water, chemically non aggressive.          Temperature of the pumped liquid: from -15°C up to +70°C          Max operation pressure (max allowed pressure in consideration of the sum of max. suction pressure and of the head with null flow rate): 10 bar          Max environment temperature: 40°C (for higher temperature, please, verify).</p> <p>INSTALLATION</p> <p>Pump may be installed with the motor shaft in the horizontal or vertical position.          In the case of the pump being mounted in the vertical position the motor must be positioned above the pump body .</p> <p>MOTOR</p> <p>0,55 kW -230 V-50 Hz-3~          Insulation class:: F - Protection: IP 44          Poles n.: 2</p> <p>PERFORMANCE TOLERANCES</p> <p>Pumps: UNI EN ISO 9906: 2012- Grade 3B.</p>			
		<b>Subtotal:</b>			
Total price excl. VAT		VAT in %		Total price incl. VAT	
0,00 Euro		16		0,00 Euro	
Project	Project ID	Created by	Created on	Last update	
			2016-02-26		

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 - v value of plant	m	0
Inlet pressure	psi	1,42
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	FC 20-2B			
Size				
Design				
Speed	1/min	2850	No of stages	2
Impeller type				
Flow	Nominal	m³/h		
	Max-	m³/h	5	
	Min-	m³/h	0,0182	
Head	Nominal	m		
	Max-	m	39,1	
	Min-	m	13	
Head H(Q=0)	m	39,2		
NPSH 3%	m			
Max. working pressure	psi	55,6		
Shaft power	kW			
Efficiency	%			
Max absorbed power	kW	0,7738		

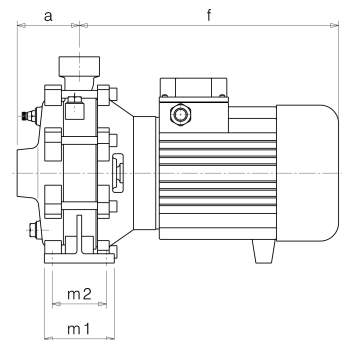
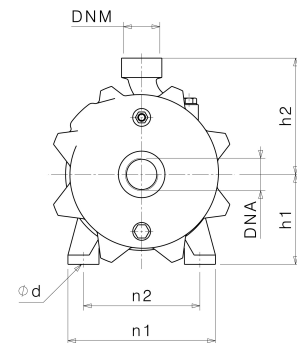
**Materials Pump**

Shaft	Stainless steel AISI 420 (1.4028)		
Impeller	Brass		
Pump body	Cast iron EN-GJL-200		
Support	Aluminium		
OR	NBR Rubber		
Mechanical seal	BXPB (Gra/Cer/NBR)		

<b>Motor</b>	Frame size	71		
Manufacturer / Type	SAER 71 2 - 0,55 3~			
Rated power	kW	0,55	Efficiency 4/4	0 %
Electric current	A		Speed	1/min 2950
Electric voltage	V	230 V	3~	Hz 50
Starting mode	Unknown			
Degree of protection	IP 44	Insulation class	F	

**Dimensions in mm**

a 72  
 DNA G 1"  
 DNM G 1"  
 f 247  
 h1 100  
 h2 130  
 m1 80  
 m2 60  
 n1 170  
 n2 140  
 ød 12



Remarks:

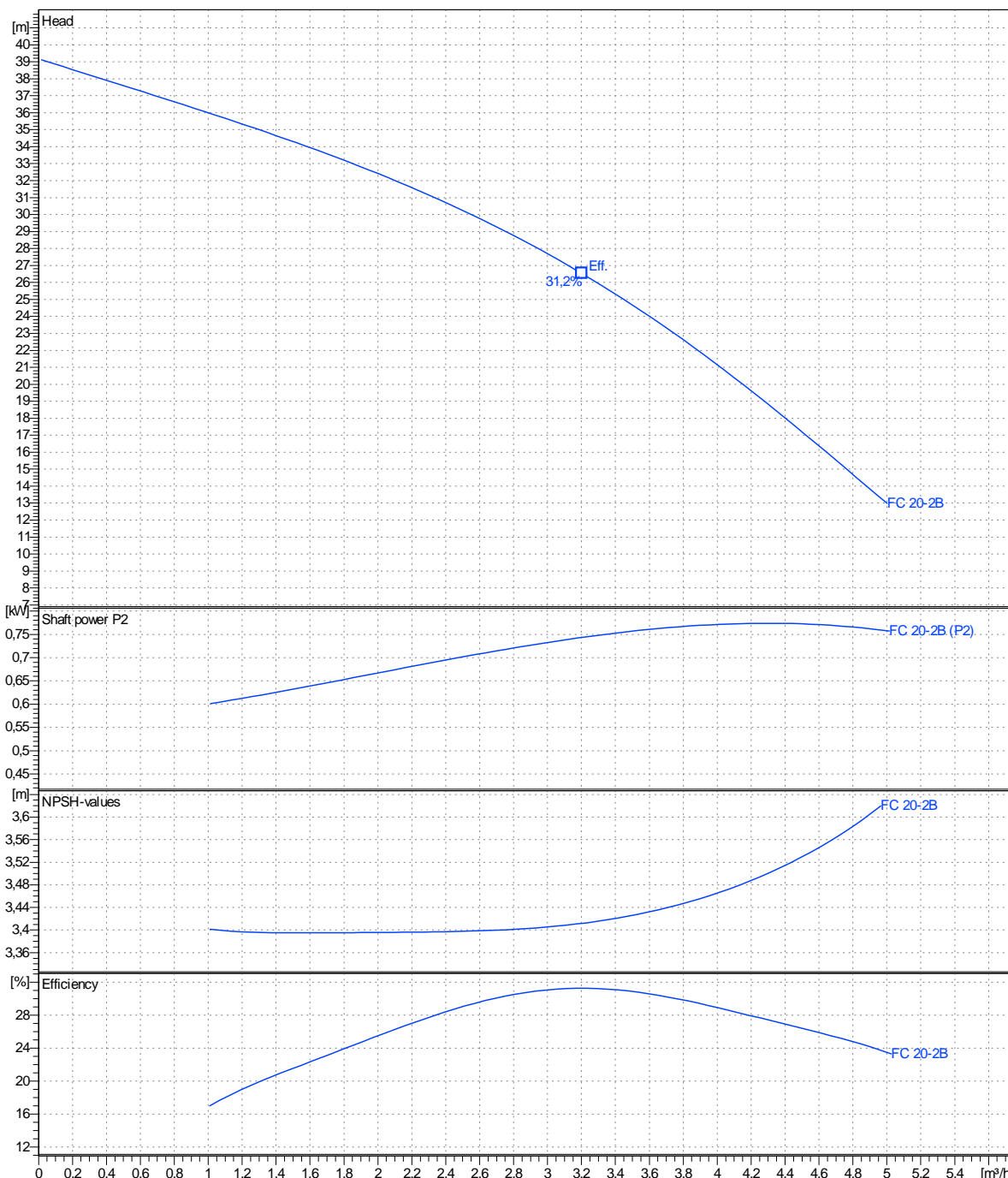
Project	Project ID	Created by	Created on	Last update
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<b>Receiver</b>	<b>From</b>
Company name	
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Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m <sup>3</sup> /h	0 m	Impeller construction
Pump data	m <sup>3</sup> /h	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			G1"
	Flow	Head	Shaft power P2
	Min. Max. $\eta$ Max.	H(Q=0) $\eta$ Max.	P2(Q=0) Max. $\eta$ Max.
	m <sup>3</sup> /h m <sup>3</sup> /h m <sup>3</sup> /h	m m	kW kW kW
	0,0182 5 3,2	39,2 26,5	0,774 0,743
			Speed 1/min 2850
			Frequency Hz 50 Hz

 Performance data based to: Water, pure [100%]; 20°C; 0,998kg/dm<sup>3</sup>; 1mm<sup>2</sup>/s

UNI EN ISO 9906:2012 - Grade 3B



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			2016-02-26	