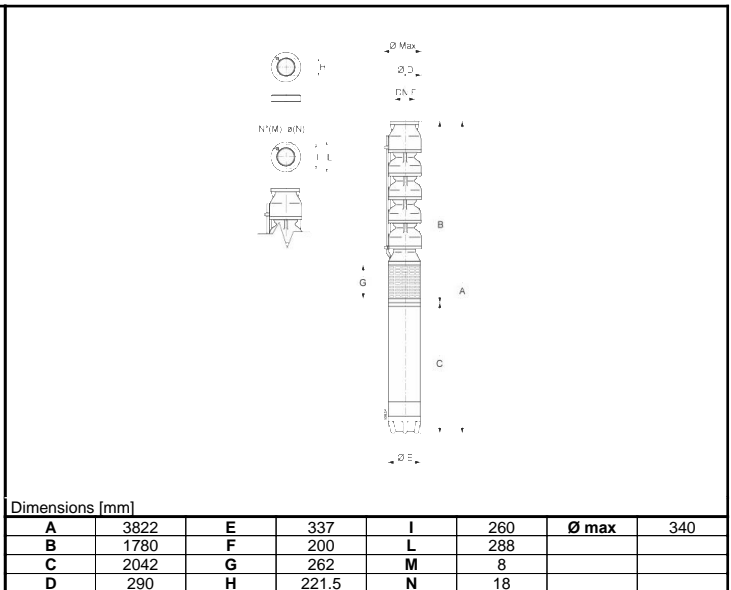
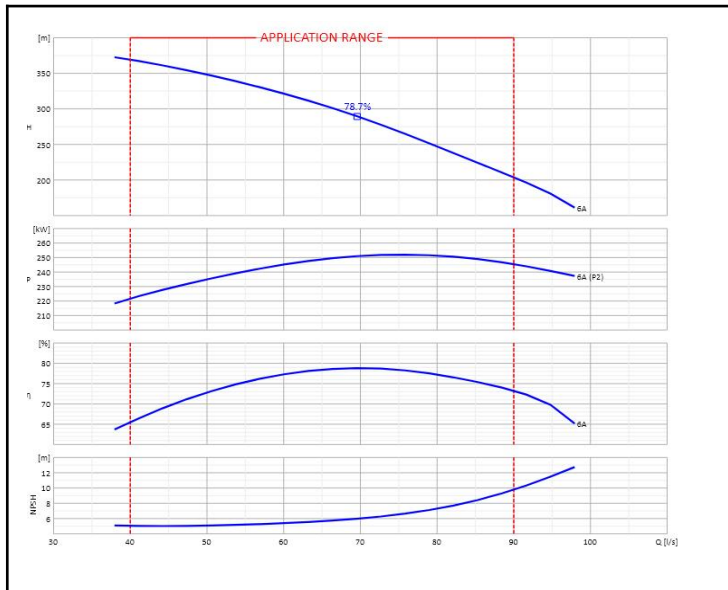


Customer:		Ref.:	
Item	Quantity	Required flow	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP	Model	E12S42/6A+M14380-8V



OPERATING DATA- ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS		
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]			
					Delivery diameter	200	mm
					Max. overall diameter	340	mm
					Weight of electric pump	1197.5	Kg
					No. Stages	6	
					Motor seal	Mechanical	
					Type of installation	Vertical	

OPERATING LIMITS				PUMP MATERIALS			
Pumped liquid		Water		Diffuser unit		Cast iron	
Max. temp. of pumped liquid (*)		25	°C	Suction casing		Nodular cast iron	
Maximum density		1	kg/dm³	Impeller		Stainless steel	
Maximum viscosity		1	mm²/s	Shaft		Stainless steel	
Maximum solid content		40	g/m³	Coupling		Stainless steel	
Max. number of starts/hr		3		Valve casing		Nodular cast iron	
Minimum immersion depth		850	mm	Strainer		Stainless steel	
				Wear ring		Cast iron	

OPERATING CHARACTERISTICS				MOTOR MATERIALS			
Service flow rate		n.d.		n.d.			
Service head		n.d.		n.d.			
Qmin	Qmax	40	90	l/s			
H (Q=0)	Hmax (Qmin)	459	368.57	m			
Power consumption at duty point		n.d.		n.d.		Shaft	
Pump efficiency		n.d.		n.d.		Upper bracket	
Overall efficiency		n.d.		n.d.		Rotor	
Max. pump efficiency (B.E.P.)		78.7		n.d.		Stator	
Sense of rotation (**)		Anticlockwise				Stator shell	
Number of pumps installed		Operating		Stand-by		Winding	
		1		0		Lower bracket	
						Mechanical seal	
						Bearing bush	
						Thrust-bearing	
						Thrust-bearing foot slip	
						Diaphragm	
						Shaft sleeve	
						Motor bracket	

ELECTRIC MOTOR CHARACTERISTICS			
Nominal power		280	kW
Rated frequency		50	Hz
Rated voltage		400	V
Rated current		522.8	A
No. Poles	Nominal speed	2	2955 1/min
Insulation class	Protection class	n.d.	IP68

<i>Certified motor for use with drinking water</i>		
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Notes:	(*) Speed of the water outside the jacket of the motor v=0.3 m/s	
	(**) View from delivery port.	
	In case of VSD operation, refer to Use and Maintenance Instructions of the electric pump.	
OFFER No.	Pos.	Date
		16/01/2020