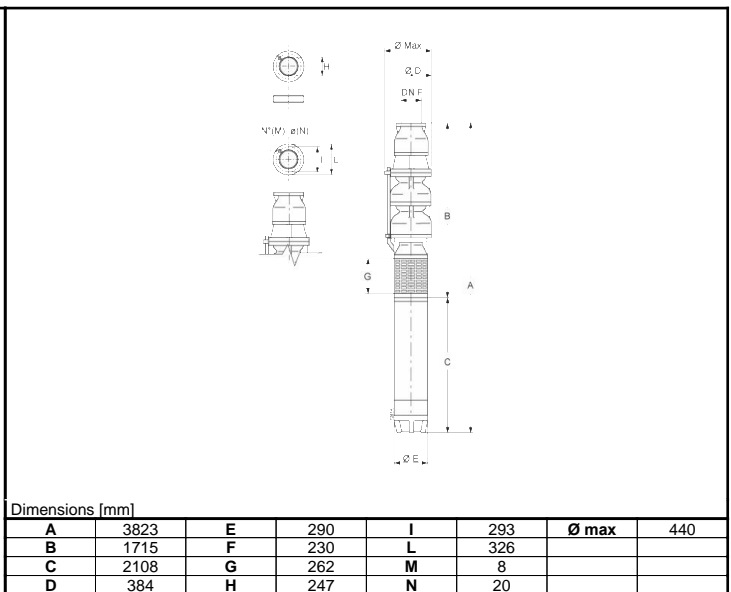
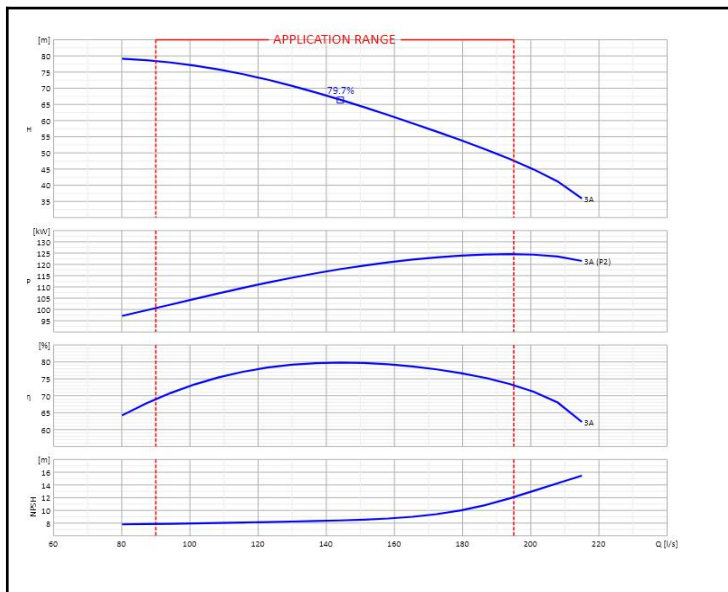


<b>Customer:</b>		<b>Ref.:</b>	
Item	Quantity	Required flow	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP	Model	E18S55/3A+MAC12180P-8V



OPERATING DATA- ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS		
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]			
					Delivery diameter	230	mm
					Max. overall diameter	440	mm
					Weight of electric pump	1179	Kg
					No. Stages	3	
					Motor seal	Mechanical	
					Type of installation	Vertical	

OPERATING LIMITS					PUMP MATERIALS			
Pumped liquid		Water			Delivery casing	Cast iron		
Max. temp. of pumped liquid (*)		25	°C		Diffuser unit	Cast iron		
Maximum density		1	kg/dm³		Suction casing	Nodular cast iron		
Maximum viscosity		1	mm²/s		Impeller	Cast iron		
Maximum solid content		40	g/m³		Bearing bush	Bronze		
Max. number of starts/hr		5			Coupling	Stainless steel		
Minimum immersion depth		1100	mm		Valve casing	Cast iron		
OPERATING CHARACTERISTICS					Strainer	Stainless steel		
					Wear ring	Cast iron		
Service flow rate		n.d.		n.d.		MOTOR MATERIALS		
Service head		n.d.		n.d.				
Qmin	Qmax	90	195	l/s		Shaft	Stainless steel	
H (Q=0)	Hmax (Qmin)	92.3	78.27	m		Upper bracket	Cast iron	
Power consumption at duty point		n.d.		n.d.		Rotor	Electrical steel	
Pump efficiency	Overall efficiency	n.d.	n.d.		n.d.		Stator	Electrical steel
Max. pump efficiency (B.E.P.)		79.7		n.d.		Stator shell	Stainless steel	
Sense of rotation (**)		Anticlockwise			Winding	Green wire		
Number of pumps installed		Operating		Stand-by		Lower bracket	Cast iron	
		1		0		Mechanical seal	Silicon carbide/silicon carbide	
ELECTRIC MOTOR CHARACTERISTICS					Bearing	Graphite		
					Nominal power	132	kW	
Rated frequency		50		Hz		Thrust-bearing foot slip	Cast iron	
Rated voltage		400		V		Diaphragm	Rubber	
Rated current		266		A		Shaft sleeve	Chrome plated steel	
No. Poles	Nominal speed	4	1465	1/min		Motor bracket	Cast iron	
Insulation class	Protection class	n.d.		IP68				
Certified motor for use with drinking water								

<b>Notes:</b>	(*) Speed of the water outside the jacket of the motor v=0.5 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	