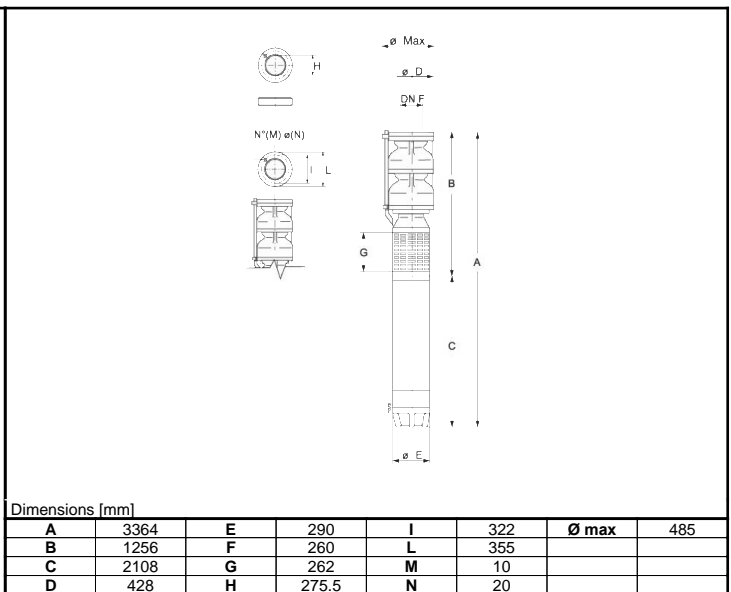
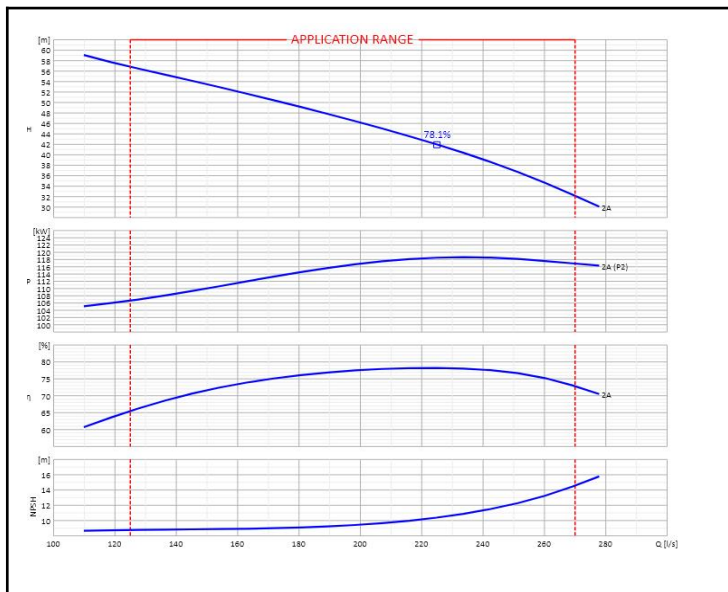


<b>Customer:</b>		<b>Ref.:</b>	
Item	Quantity	Required flow	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP	Model	E20S55/2A+MAC12180P-8V



OPERATING DATA- ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS		
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]			
					Delivery diameter	260	mm
					Max. overall diameter	485	mm
					Weight of electric pump	1109	Kg
					No. Stages	2	
					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		Shaft	Stainless steel	
Max. number of starts/hr		5			Bearing bush	Bronze	
Minimum immersion depth		1212.5	mm		Coupling	Stainless steel	
OPERATING CHARACTERISTICS					Pump shaft bearing bush	Stainless steel/rubber	
Service flow rate		n.d.		n.d.	Strainer	Stainless steel	
Service head		n.d.		n.d.	Wear ring	Cast iron	
Qmin	Qmax	125	270	l/s	MOTOR MATERIALS		
H (Q=0)	Hmax (Qmin)	78.18	56.78	m	Shaft	Stainless steel	
Power consumption at duty point		n.d.		n.d.	Upper bracket	Cast iron	
Pump efficiency	Overall efficiency	n.d.	n.d.	n.d.	Rotor	Electrical steel	
Max. pump efficiency (B.E.P.)		78.1		n.d.	Stator	Electrical steel	
Sense of rotation (**)		Anticlockwise			Stator shell	Stainless steel	
Number of pumps installed		Operating		Stand-by	Winding	Green wire	
		1		0	Lower bracket	Cast iron	
ELECTRIC MOTOR CHARACTERISTICS					Mechanical seal	Silicon carbide/silicon carbide	
Nominal power		132	kW		Bearing	Graphite	
Rated frequency		50	Hz		Thrust-bearing	Stainless steel/Synthetic	
Rated voltage		400	V		Thrust-bearing foot slip	Cast iron	
Rated current		266	A		Diaphragm	Rubber	
No. Poles	Nominal speed	4	1465	1/min	Shaft sleeve	Chrome plated steel	
Insulation class	Protection class	n.d.		IP68	Motor bracket	Cast iron	
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
		14/01/2020