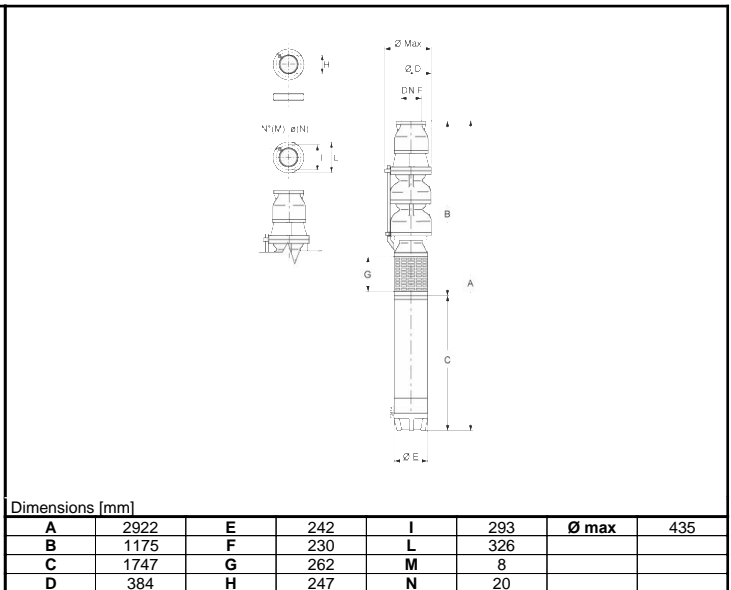
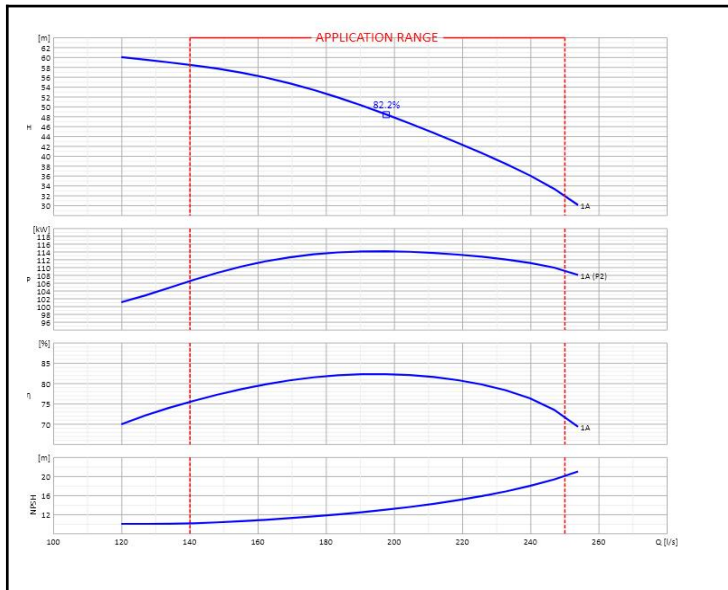


Customer:		Ref.:	
Item	Quantity	Required flow	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP	Model	E18S64/1A+MAC10180-8V



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	435 mm
					Weight of electric pump	727 Kg
					No. Stages	1
					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	Stainless steel
Maximum solid content		40	g/m³		Shaft	Stainless steel
Max. number of starts/hr		6			Coupling	Stainless steel
Minimum immersion depth		1087.5	mm		Pump shaft bearing bush	Bronze
OPERATING CHARACTERISTICS					Valve casing	Cast iron
Service flow rate		n.d.		n.d.	Strainer	Stainless steel
Service head		n.d.		n.d.	Wear ring	Cast iron
Qmin	Qmax	140	250	l/s	MOTOR MATERIALS	
H (Q=0)	Hmax (Qmin)	77.6	58.43	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.)		82.2		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 bush	Bronze
Rated frequency		50		Hz	Thrust-bearing	Stainless steel/Synthetic
Rated voltage		400		V	Thrust-bearing foot slip	Cast iron
Rated current		251.1		A	Diaphragm	Rubber
No. Poles	Nominal speed	2	2930	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						

Notes:	(*) 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