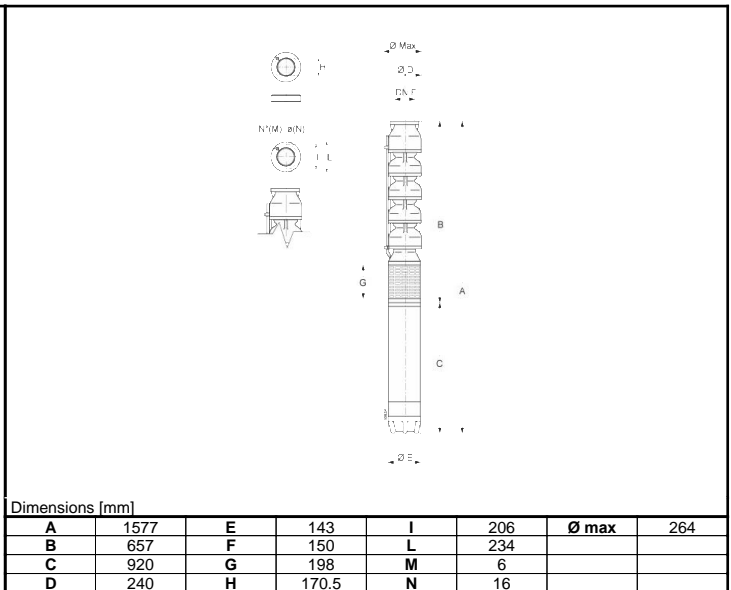
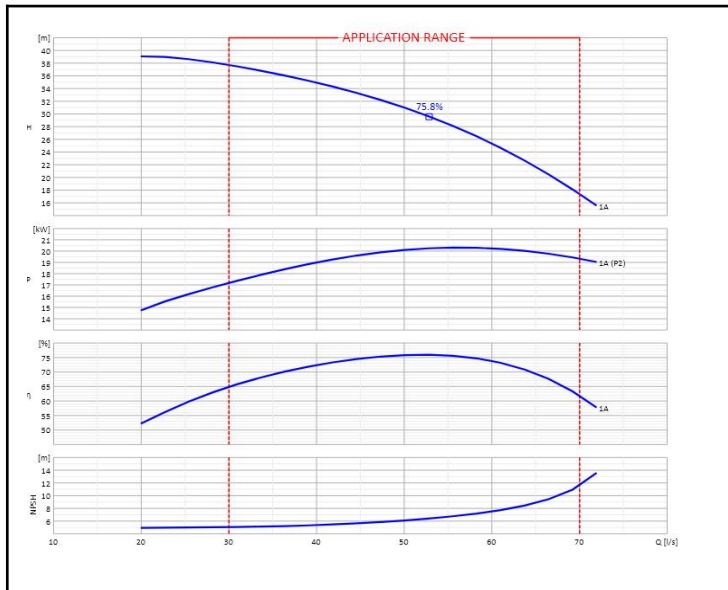


Customer:		Ref.:	
Item	Quantity	Required flow	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP	Model	E12S50/1A+MAC630A-8V



OPERATING DATA- ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS		
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]			
					Delivery diameter	150	mm
					Max. overall diameter	264	mm
					Weight of electric pump	142.5	Kg
					No. Stages	1	
					Motor seal	Mechanical	
					Type of installation	Vertical	

OPERATING LIMITS				PUMP MATERIALS			
Pumped liquid		Water		Diffuser unit		Cast iron	
Max. temp. of pumped liquid (*)		35	°C	Impeller		Cast iron	
Maximum density		1	kg/dm³	Shaft		Stainless steel	
Maximum viscosity		1	mm²/s	Coupling		Stainless steel	
Maximum solid content		40	g/m³	Pump shaft bearing bush		Stainless steel/rubber	
Max. number of starts/hr		20		Valve casing		Cast iron	
Minimum immersion depth		660	mm	Strainer		Stainless steel	
				Wear ring		Steel/Rubber	

OPERATING CHARACTERISTICS				MOTOR MATERIALS			
Service flow rate		n.d.					
Service head		n.d.					
Qmin	Qmax	30	70	Shaft		Stainless steel	
H (Q=0)	Hmax (Qmin)	43.8	37.64	Sand guard		Rubber	
Power consumption at duty point		n.d.		Rotor		Electrical steel	
Pump efficiency	Overall efficiency	n.d.	n.d.	Stator		Electrical steel	
Max. pump efficiency (B.E.P.)		75.8		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	
				Bearing		Graphite	
				Thrust-bearing		Brass/Synthetic compound	
				Thrust-bearing foot slip		Cast iron	
				Diaphragm		Rubber	
				Diaphragm cover		Technopolymer	
No. Poles	Nominal speed	2	2870	Upper bracket		Cast iron	
Insulation class	Protection class	n.d.					
		IP68					
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