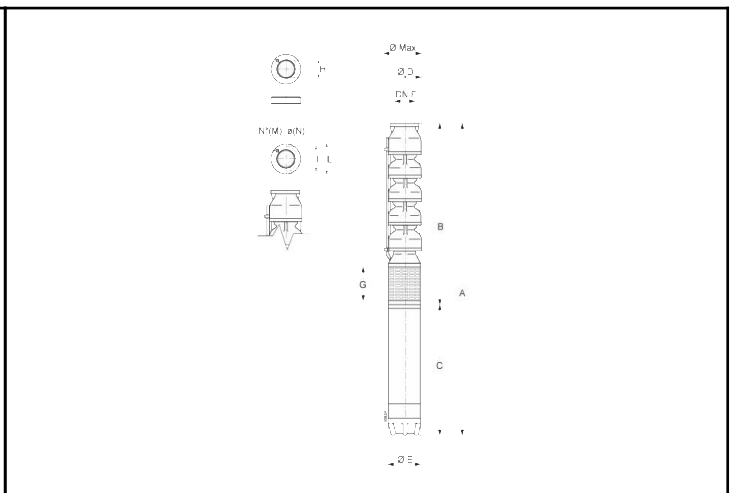
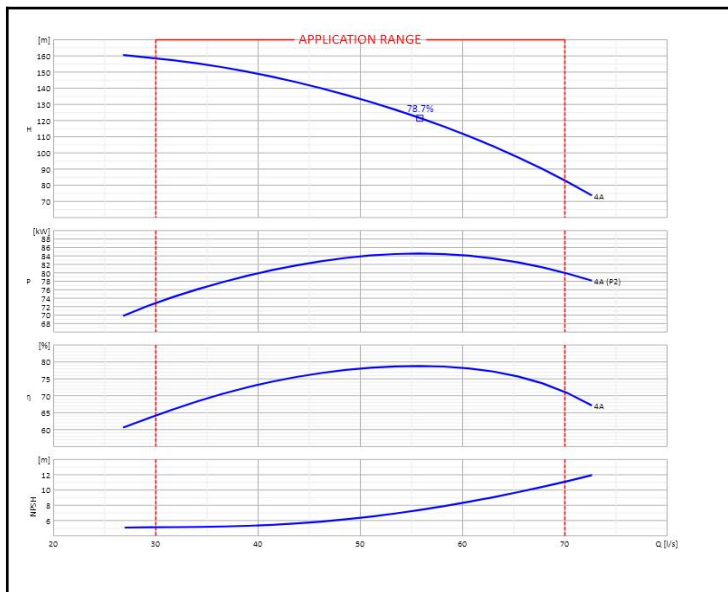


Customer:		Ref.:	
Item	Quantity	Required flow	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP	Model	E12S50/4A+MPC10125A-8V



Dimensions [mm]							
A	1207.5	E	n.d.	I	206	Ø max	265
B	1207.5	F	150	L	234		
C	n.d.	G	198	M	6		
D	240	H	170.5	N	16		

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	265	mm
					Weight of electric pump	454.4	Kg
					No. Stages	4	
					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	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		6		Valve casing		Cast iron	
Minimum immersion depth		662.5	mm	Strainer		Stainless steel	
				Wear ring		Steel/Rubber	

OPERATING CHARACTERISTICS				MOTOR MATERIALS			
Service flow rate		n.d.		Shaft		Stainless steel	
Service head		n.d.		Sand guard		Rubber	
Qmin	Qmax	30	70	Rotor		Electrical steel	
H (Q=0)	Hmax (Qmin)	186.24	158.25	Stator		Electrical steel	
Power consumption at duty point		n.d.		Stator shell		Stainless steel	
Pump efficiency	Overall efficiency	n.d.	n.d.	Winding		PPC	
Max. pump efficiency (B.E.P.)		78.7		Lower bracket		Cast iron	
Sense of rotation (**)		Anticlockwise		Mechanical seal cover		Stainless steel	
Number of pumps installed		Operating	Stand-by	Mechanical seal		Silicon carbide/silicon carbide	
		1	0	Bearing		Graphite	
ELECTRIC MOTOR CHARACTERISTICS				Thrust-bearing		Stainless steel/Synthetic	
Nominal power		92	kW	Thrust-bearing foot slip		Cast iron	
Rated frequency		50	Hz	Diaphragm		Rubber	
Rated voltage		400	V	Diaphragm cover		Cast iron	
Rated current		177.7		Upper bracket		Cast iron	
No. Poles	Nominal speed	2	2925				
Insulation class	Protection class	n.d.					
				IP68			

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	