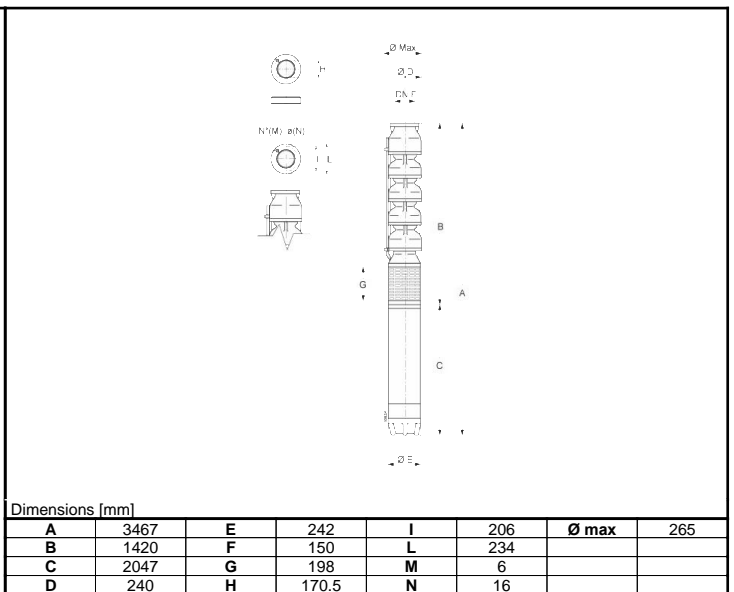
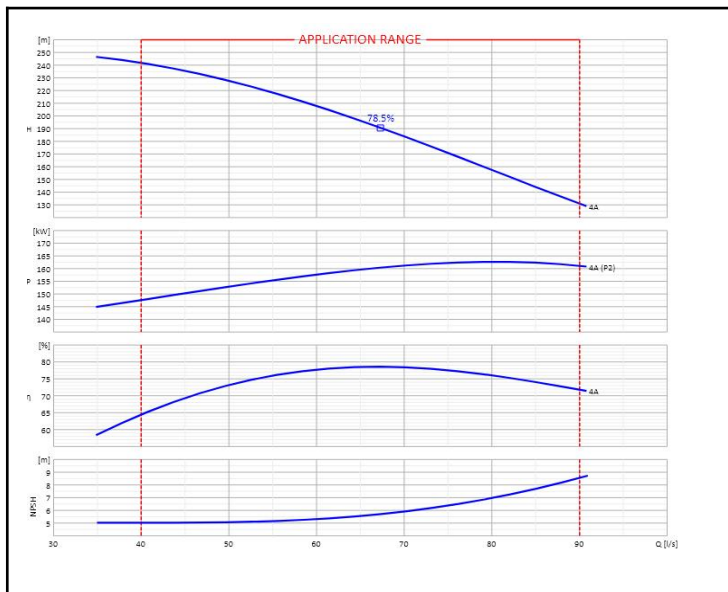


Customer:		Ref.:	
Item	Quantity	Required flow	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP	Model	E12S42/4A+MAC10250-8V



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	265	mm
					Weight of electric pump	786	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		Suction casing	Nodular cast iron	
Maximum density		1	kg/dm³		Impeller	Stainless steel	
Maximum viscosity		1	mm²/s		Shaft	Stainless steel	
Maximum solid content		40	g/m³		Coupling	Stainless steel	
Max. number of starts/hr		6			Valve casing	Nodular cast iron	
Minimum immersion depth		662.5	mm		Strainer	Stainless steel	
					Wear ring	Cast iron	
OPERATING CHARACTERISTICS					MOTOR MATERIALS		
Service flow rate		n.d.		n.d.	Shaft	Stainless steel	
Service head		n.d.		n.d.	Upper bracket	Cast iron	
Qmin	Qmax	40	90	l/s	Rotor	Electrical steel	
H (Q=0)	Hmax (Qmin)	291.97	241.48	m	Stator	Electrical steel	
Power consumption at duty point		n.d.		n.d.	Stator shell	Stainless steel	
Pump efficiency	Overall efficiency	n.d.	n.d.	n.d.	Winding	Green wire	
Max. pump efficiency (B.E.P.)		78.5		n.d.	Lower bracket	Cast iron	
Sense of rotation (**)		Anticlockwise			Mechanical seal	Silicon carbide/silicon carbide	
Number of pumps installed		Operating		Stand-by	Bearing bush	Graphite	
		1		0	Thrust-bearing	Stainless steel/Synthetic	
ELECTRIC MOTOR CHARACTERISTICS					Thrust-bearing foot slip		
Nominal power		185		kW	Diaphragm	Rubber	
Rated frequency		50		Hz	Shaft sleeve	Chrome plated steel	
Rated voltage		400		V	Motor bracket	Cast iron	
Rated current		358.5		A			
No. Poles	Nominal speed	2	2935	1/min			
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