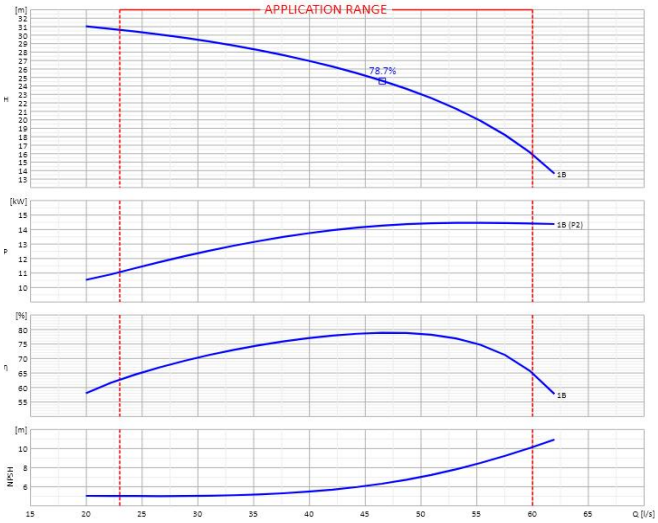
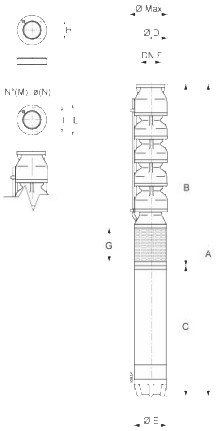
TECHNICAL DATA SHEET

Customer:				Ref.:			
Item		Quantity		Required flow	n.d.	Required head	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP			Model	**E10S50/1B+MAC620A-8V**		





Dimensions [mm]

A	1470	**E**	143	**I**	206	**Ø max**	250
B	680	**F**	150	**L**	234		
C	790	**G**	198	**M**	6		
D	240	**H**	170.5	**N**	16		

OPERATING DATA- ISO 9906:2012 3B -

Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]

CONSTRUCTION CHARACTERISTICS

Delivery diameter	150	mm
Max. overall diameter	250	mm
Weight of electric pump	127	Kg
No. Stages	1	
Motor seal	Mechanical	
Type of installation	Vertical	

OPERATING LIMITS

Pumped liquid	Water	
Max. temp. of pumped liquid (*)	40	°C
Maximum density	1	kg/dm³
Maximum viscosity	1	mm²/s
Maximum solid content	40	g/m³
Max. number of starts/hr	20	
Minimum immersion depth	625	mm

OPERATING CHARACTERISTICS

Service flow rate		n.d.		n.d.
Service head		n.d.		n.d.
Qmin	Qmax	23	60	l/s
H (Q=0)	Hmax (Qmin)	36.58	30.58	m
Power consumption at duty point		n.d.		n.d.
Pump efficiency	Overall efficiency	n.d.	n.d.	n.d.
Max. pump efficiency (B.E.P.)		78.7		n.d.
Sense of rotation (**)		Anticlockwise		
Number of pumps installed		Operating		Stand-by
		1		0

ELECTRIC MOTOR CHARACTERISTICS

Nominal power		15		kW
Rated frequency		50		Hz
Rated voltage		400		V
Rated current		32.6		A
No. Poles	Nominal speed	2	2890	1/min
Insulation class	Protection class	n.d.		IP68
Certified motor for use with drinking water				

PUMP MATERIALS

Diffuser unit	Cast iron
Suction casing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Coupling	Stainless steel
Pump shaft bearing bush	Stainless steel/rubber
Valve casing	Cast iron
Strainer	Stainless steel
Wear ring	Steel/Rubber

MOTOR MATERIALS

Shaft	Stainless steel
Sand guard	Rubber
Rotor	Electrical steel
Stator	Electrical steel
Stator shell	Stainless steel
Winding	Green wire
Lower bracket	Cast iron
Mechanical seal	Silicon carbide/silicon carbide
Bearing	Graphite
Thrust-bearing	Brass/Synthetic compound
Thrust-bearing foot slip	Cast iron
Diaphragm	Rubber
Diaphragm cover	Technopolymer
Upper bracket	Cast iron

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

T400IT-V01