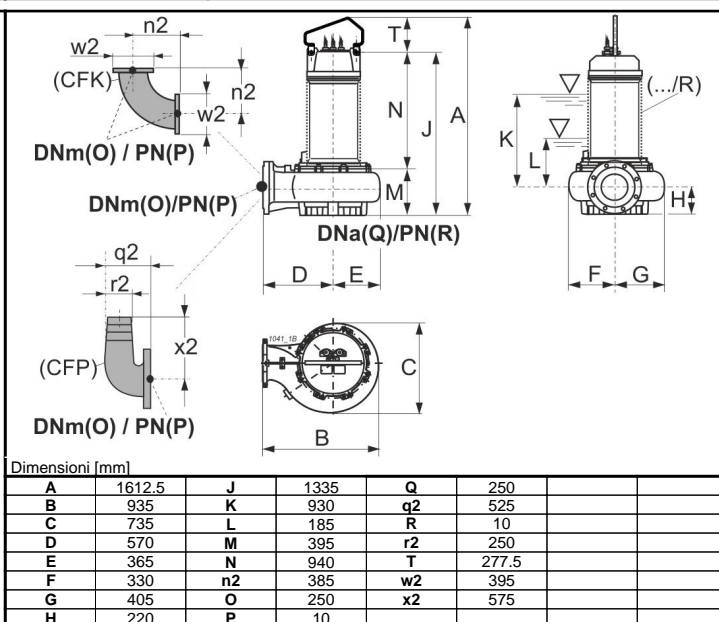
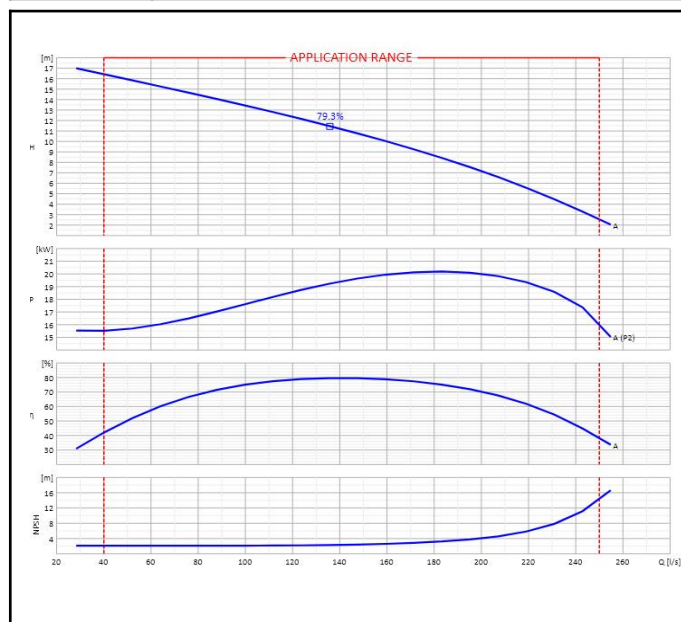


Customer:		Ref.:	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	KCM250ZA+021082N1



OPERATING DATA- ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS			
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]	Delivery diameter		250	mm
					Type of Impeller		Single channel	
					Moment of inertia		2.56322 Kgm ²	
					Electric pump weight	Installation	653	Kg
					Seal on pump side	Motor side	Mechanical	Mechanical
					Type of installation		n.d.	
					Operation		Continuous (S1)	

OPERATING LIMITS				OPERATING CHARACTERISTICS			
Pumped liquid	Waste water			Service flow rate	n.d.		n.d.
Max. temperature of pumped liquid	40	°C		Service head	n.d.		n.d.
Maximum density	1	kg/dm ³		H (Q=0)	Hmax	19.67	16.4
Maximum viscosity	1	mm ² /s		Qmin	Qmax	40	250
Max. solid content	4	%		Power consumption at duty point	n.d.		n.d.
Max. number of starts/hr	10			Max power consumption	20.15		kW
Free passage	163	mm		Pump efficiency	Overall	n.d.	n.d.
Minimum immersion depth	930	mm		Sense of rotation (*)	Clockwise		
ELECTRIC PUMP MATERIALS				Number of pumps installed	Operating	Stand-by	
					1	0	

Support bearing	Nodular cast iron	ELECTRIC MOTOR CHARACTERISTICS			
Head cover	Cast iron				
Cable clamp	Cast iron	Nominal power	21	kW	
Round power cable	n.d.	Rated frequency	50	Hz	
Round auxiliary cable	n.d.	Rated voltage	400	V	
Motor casing	Cast iron	Rated current	44.1	A	
Shaft	Stainless steel	No. Poles	8	730	1/min
Conductivity probe	n.d.	Type of motor	3 ~		
Delivery body	Cast iron	Efficiency 4/4	87.0 %		
Impeller	Cast iron	Power factor 4/4	0.790		
Oil box	Cast iron	Is/In	5.6	Ts/Tn	n.d.
Ring impeller seat	Steel/Rubber	Thermal protection	Klixon		
Mechanical seal on pump side	Silicon carbide/silicon carbide	Insulation class	F		
Mechanical seal on motor side	Silicon carbide/silicon carbide	Protection class	IP68		
Screws and nuts	Stainless steel	Explosion-proof	n.a.		
		Power supply cable	Length	H07RN-	10 m
		Efficiency class	S.F		n.d.

Notes:	(*) Viewed from motor coupling side
OFFER No.	Pos.
	Date

14/01/2020

T400IT-V01