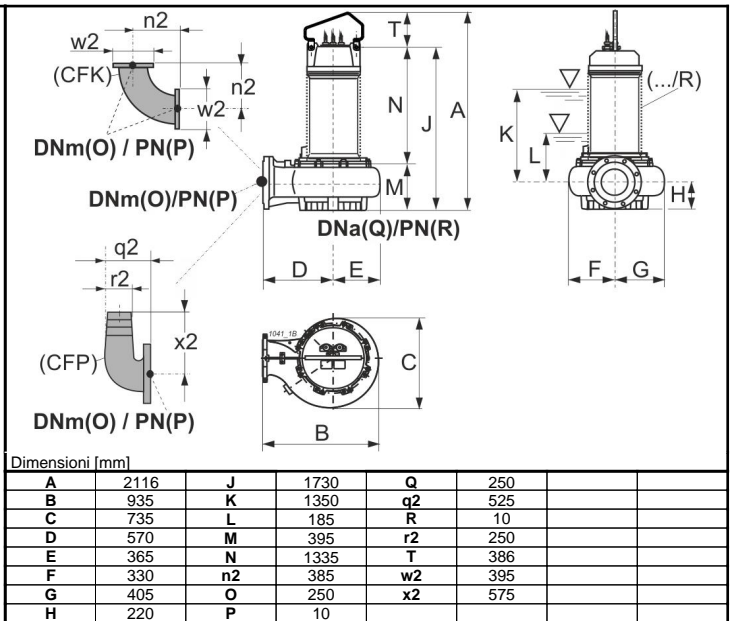
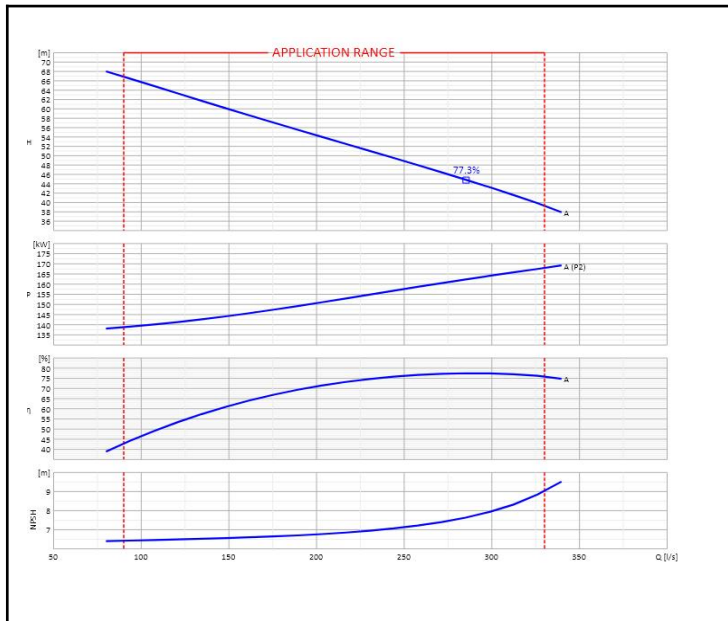


Customer:		Ref.:	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	KCM250TA+180042N1



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	4.56424		Kgm ²
					Electric pump weight	Installation	1872	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	78.07	66.82
Maximum viscosity	1	mm ² /s	Qmin	Qmax	90	330
Max. solid content	4	%	Power consumption at duty point	n.d.		n.d.
Max. number of starts/hr	6		Max power consumption	167.73		kW
Free passage	163	mm	Pump efficiency	Overall	n.d.	n.d.
Minimum immersion depth	1350	mm	Sense of rotation (*)	Clockwise		

ELECTRIC PUMP MATERIALS		ELECTRIC MOTOR CHARACTERISTICS			
Support bearing	Nodular cast iron	Nominal power	180		kW
Head cover	Cast iron	Rated frequency	50		Hz
Cable clamp	Cast iron	Rated voltage	400		V
Round power cable	n.d.	Rated current	321.2		A
Round auxiliary cable	n.d.	No. Poles	Rotation speed	4	1485
Motor casing	Cast iron	Type of motor	3 ~		
Shaft	Stainless steel	Efficiency 4/4	94.0 %		
Conductivity probe	n.d.	Power factor 4/4	0.850		
Delivery body	Cast iron	Is/In	Ts/Tn	6.8	n.d.
Impeller	Cast iron	Thermal protection	Klixon		
Oil box	Cast iron	Insulation class	F		
Ring impeller seat	Steel/Rubber	Protection class	IP68		
Mechanical seal on pump side	Silicon carbide/silicon carbide	Explosion-proof	n.a.		
Mechanical seal on motor side	Stainless steel/graphite	Power supply cable	Length	H07RN-	10
Screws and nuts	Stainless steel	Efficiency class	S.F		n.d.

Notes:	(*) Viewed from motor coupling side	
OFFER No.	Pos.	Date
		14/01/2020