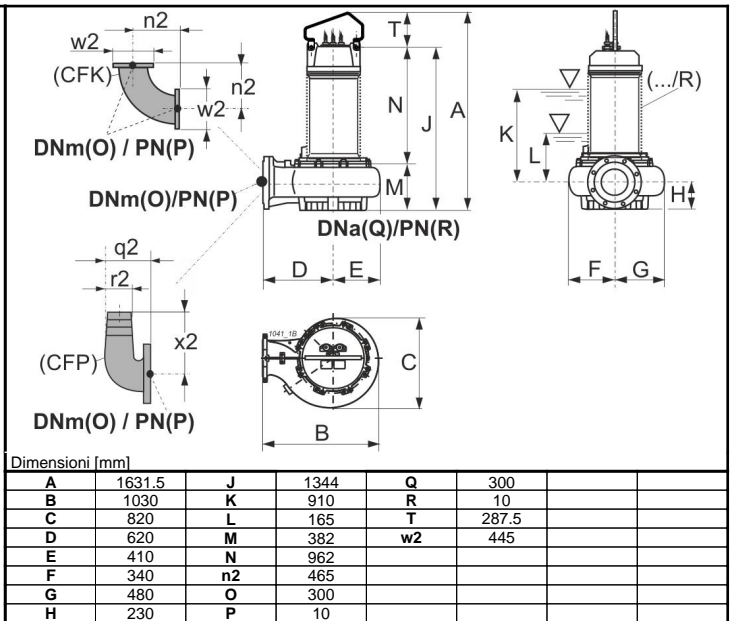
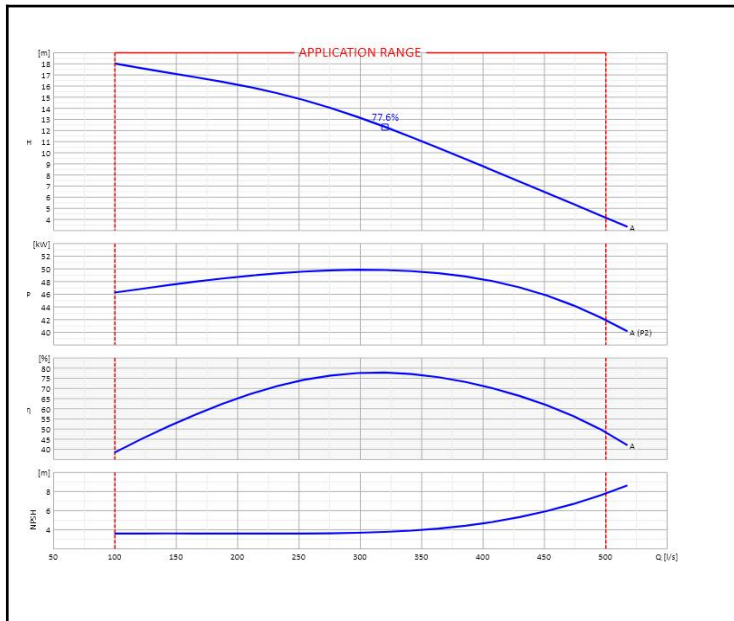


Customer:		Ref.:	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	KCD300RA+051062N1
		Required head	n.d.



OPERATING DATA - ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS			
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]	Delivery diameter	300		mm
					Type of Impeller	Double channel		
					Moment of inertia	2.99486		Kgm ²
					Electric pump weight	Installation	1026	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	23.7	18
Maximum viscosity	1	mm ² /s	Qmin	Qmax	100	500
Max. solid content	4	%	Power consumption at duty point	n.d.		n.d.
Max. number of starts/hr	10		Max power consumption	49.79		kW
Free passage	143	mm	Pump efficiency	Overall	n.d.	n.d.
Minimum immersion depth	910	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	Nominal power	51		kW
Cable clamp	Cast iron	Rated frequency	50		Hz
Round power cable	n.d.	Rated voltage	400		V
Round auxiliary cable	n.d.	Rated current	103		A
Motor casing	Cast iron	No. Poles	Rotation speed	6	985
Shaft	Stainless steel	Type of motor	3 ~		
Conductivity probe	n.d.	Efficiency 4/4	90.0 %		
Delivery body	Cast iron	Power factor 4/4	0.790		
Impeller	Cast iron	Is/In	Ts/Tn	5.8	n.d.
Oil box	Cast iron	Thermal protection	Klixon		
Ring impeller seat	Steel/Rubber	Insulation class	F		
Mechanical seal on pump side	Silicon carbide/silicon carbide	Protection class	IP68		
Mechanical seal on motor side	Silicon carbide/silicon carbide	Explosion-proof	n.a.		
Screws and nuts	Stainless steel	Power supply cable	Length	H07RN-	10
		Efficiency class	S.F		n.d.

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