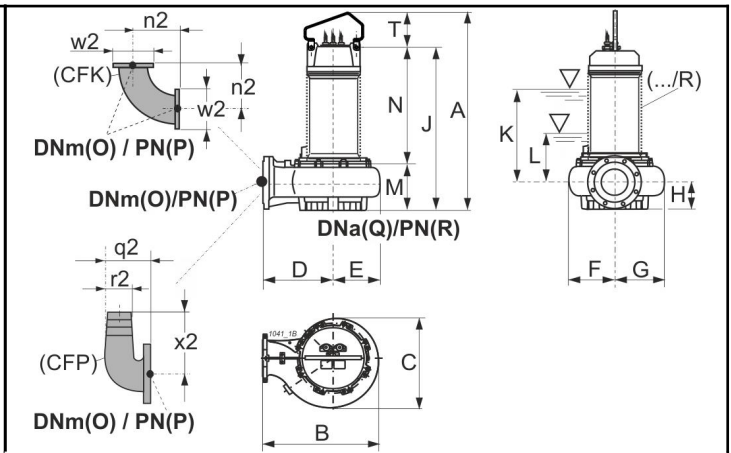
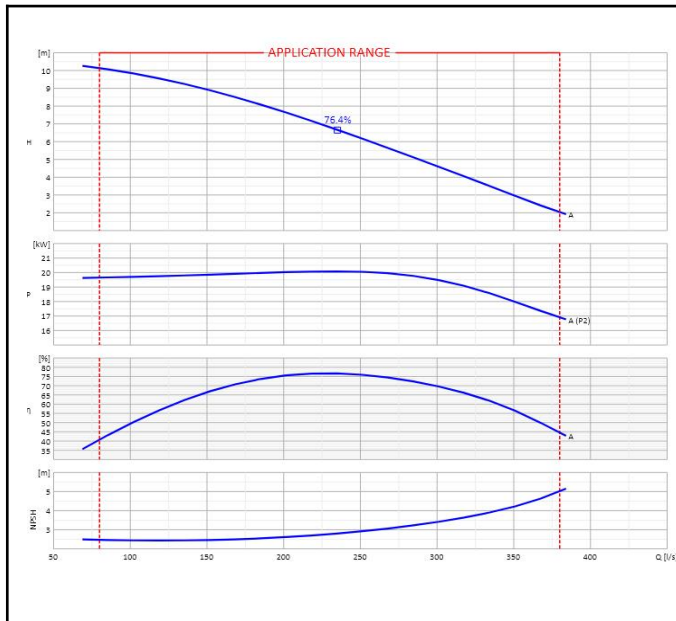


<b>Customer:</b>		<b>Ref.:</b>	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	KCD300ZA+021082N1
		Required head	n.d.



Dimensioni [mm]							
A	1599.5	J	1322	Q	300		
B	1030	K	910	R	10		
C	820	L	165	T	277.5		
D	620	M	382	w2	445		
E	410	N	940				
F	340	n2	465				
G	480	O	300				
H	230	P	10				

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	1.94886		Kgm <sup>2</sup>
					Electric pump weight	Installation	676	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 <sup>3</sup>	H (Q=0)	Hmax	12.98	10.11
Maximum viscosity	1	mm <sup>2</sup> /s	Qmin	Qmax	80	380
Max. solid content	4	%	Power consumption at duty point	n.d.		n.d.
Max. number of starts/hr	10		Max power consumption	20.05		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	

ELECTRIC PUMP MATERIALS			ELECTRIC MOTOR CHARACTERISTICS			
Support bearing	Nodular cast iron		Nominal power	21		kW
Head cover	Cast iron		Rated frequency	50		Hz
Cable clamp	Cast iron		Rated voltage	400		V
Round power cable	n.d.		Rated current	44.1		A
Round auxiliary cable	n.d.		No. Poles	Rotation speed	8	730
Motor casing	Cast iron		Type of motor	3 ~		
Shaft	Stainless steel		Efficiency 4/4	87.0 %		
Conductivity probe	n.d.		Power factor 4/4	0.790		
Delivery body	Cast iron		Is/In	Ts/Tn	5.6	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	Silicon carbide/silicon carbide		Power supply cable	Length	H07RN-	10
Screws and nuts	Stainless steel		Efficiency class	S.F		n.d.

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