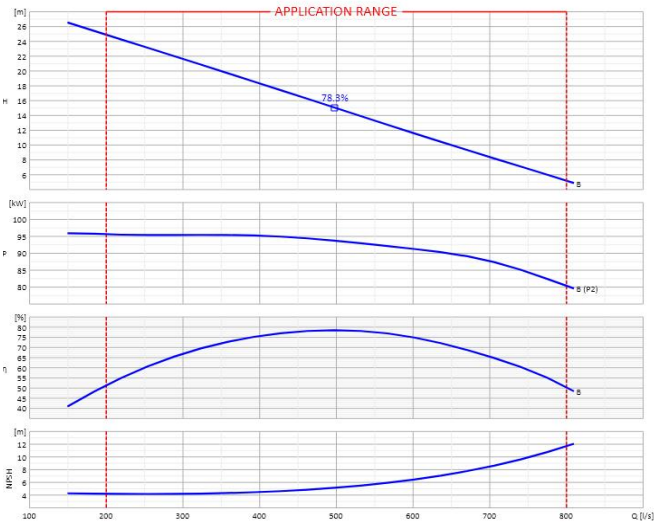
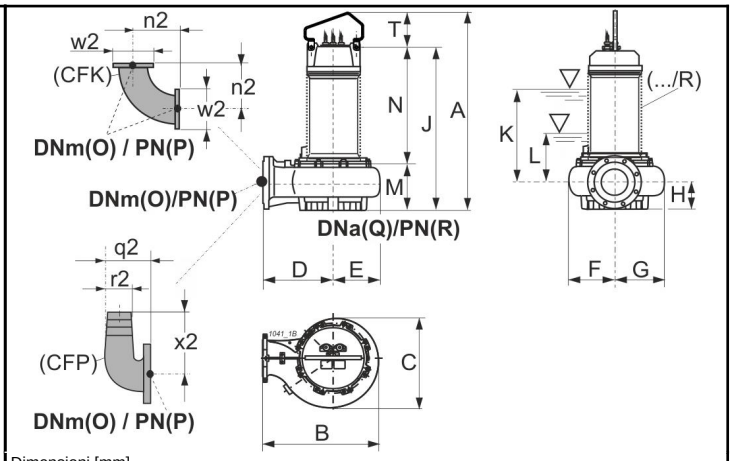
TECHNICAL DATA SHEET

Customer:				Ref.:			
Item		Quantity		Required flow rate	n.d.	Required head	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER			Model	KCD350TB+100062N1/R		





Dimensioni [mm]

A	1908	**J**	1540	**Q**	350		
B	1170	**K**	1177	**R**	10		
C	935	**L**	192	**T**	368		
D	700	**M**	423	**w2**	505		
E	470	**N**	1117				
F	385	**n2**	540				
G	550	**O**	350				
H	268	**P**	10				

OPERATING DATA- ISO 9906:2012 3B -

Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]

CONSTRUCTION CHARACTERISTICS

Delivery diameter		350		mm
Type of Impeller		Double channel		
Moment of inertia		5.04249 Kgm²		
Electric pump weight	Installation	1778		Kg
Seal on pump side	Motor side	Mechanical		Mechanical
Type of installation		n.d.		
Operation		Continuous (S1)		

OPERATING LIMITS

Pumped liquid	Waste water	
Max. temperature of pumped liquid	40	°C
Maximum density	1	kg/dm³
Maximum viscosity	1	mm²/s
Max. solid content	4	%
Max. number of starts/hr	8	
Free passage	164	mm
Minimum immersion depth	1177	mm

OPERATING CHARACTERISTICS

Service flow rate		n.d.		n.d.
Service head		n.d.		n.d.
H (Q=0)	Hmax	31.71	24.86	m
Qmin	Qmax	200	800	l/s
Power consumption at duty point		n.d.		n.d.
Max power consumption		95.53		kW
Pump efficiency	Overall	n.d.	n.d.	n.d.
Sense of rotation (*)		Clockwise		
Number of pumps installed		Operating		Stand-by
		1		0

ELECTRIC PUMP MATERIALS

Support bearing	Nodular cast iron
Cooling jacket	Stainless steel
Head cover	Cast iron
Cooling pipe	Stainless steel
Cable clamp	Cast iron
Round power cable	n.d.
Round auxiliary cable	n.d.
Motor casing	Cast iron
Shaft	Stainless steel
Conductivity probe	n.d.
Delivery body	Cast iron
Impeller	Cast iron
Oil box	Cast iron
Ring impeller seat	Steel/Rubber
Mechanical seal on pump side	Silicon carbide/silicon carbide
Mechanical seal on motor side	Stainless steel/graphite
Screws and nuts	Stainless steel

ELECTRIC MOTOR CHARACTERISTICS

Nominal power		100		kW
Rated frequency		50		Hz
Rated voltage		400		V
Rated current		177		A
No. Poles	Rotation speed	6	980	1/min
Type of motor		3 ~		
Efficiency 4/4		91.0 %		
Power factor 4/4		0.890		
Is/In	Ts/Tn	6.7		n.d.
Thermal protection		Klixon		
Insulation class		F		
Protection class		IP68		
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