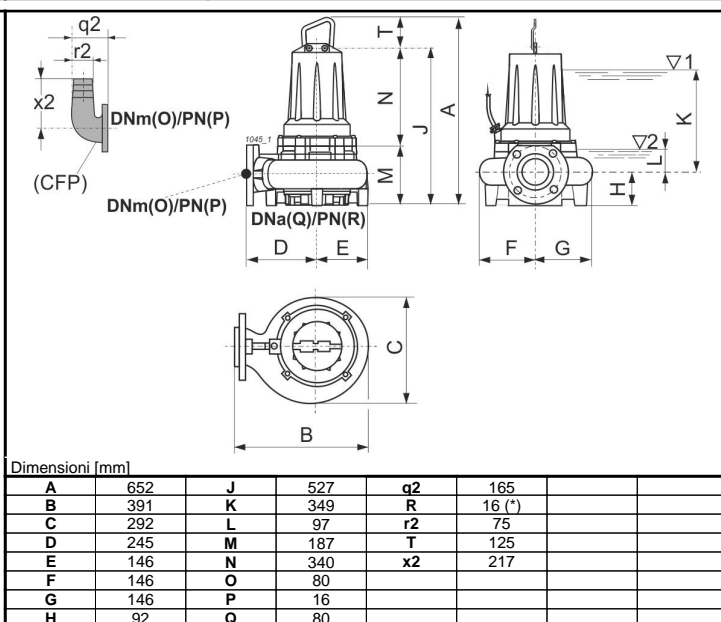
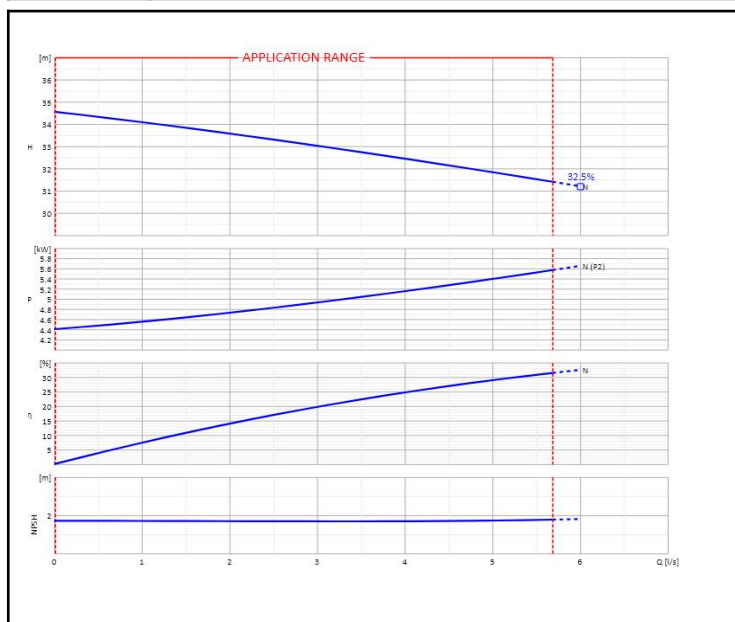


Customer:		Ref.:	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	KCW080HN+005522N1



OPERATING DATA- ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS			
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]	Delivery diameter	80 mm		
					Type of Impeller	Open retracted		
					Moment of inertia	0.01934 Kg ^{m2}		
					Electric pump weight	Installation	94	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	34.5	34.55 m
Maximum viscosity	1	mm ² /s		Qmin	Qmax	0.01	5.68 l/s
Max. solid content	4	%		Power consumption at duty point	n.d.		
Max. number of starts/hr	15			Max power consumption	5.57 kW		
Free passage	80	mm		Pump efficiency	Overall	n.d.	n.d.
Minimum immersion depth	349	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			
Flange bearing	Cast iron				
Cable clamp	Cast iron	Nominal power	5.5	kW	
Round power cable	n.d.	Rated frequency	50	Hz	
Motor casing	Cast iron	Rated voltage	400	V	
Stator	Electrical steel	Rated current	11.3	A	
Complete shaft with rotor	Stainless steel/Magnetic steel	No. Poles	2	Rotation speed	2900 1/min
Conductivity probe	n.d.	Type of motor	3 ~		
Elastic ring	Steel	Efficiency 4/4	81.0 %		
Delivery body	Cast iron	Power factor 4/4	0.870		
Impeller	Cast iron	Is/In	9.4	Ts/Tn	n.d.
Oil box	Cast iron	Thermal protection	Klixon		
Ring impeller seat		Insulation class	F		
Mechanical seal on pump side	silicon carbide/ceramic	Protection class	IP68		
Mechanical seal on motor side	Ceramic/graphite	Explosion-proof	n.a.		
Screws and nuts	Stainless steel	Power supply cable	Length	NSSHO	10 m
		Efficiency class	S.F	n.d.	

Notes:	(*) Viewed from motor coupling side
OFFER No.	Pos.
	Date
	16/01/2020