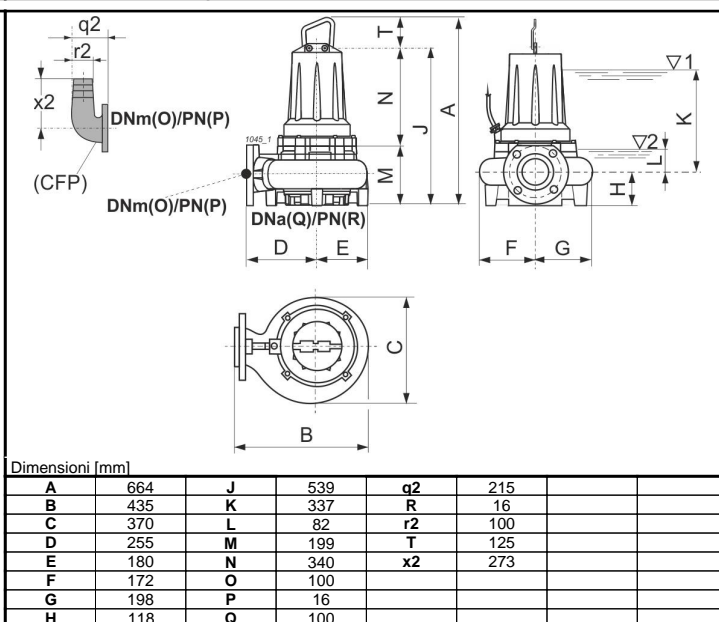
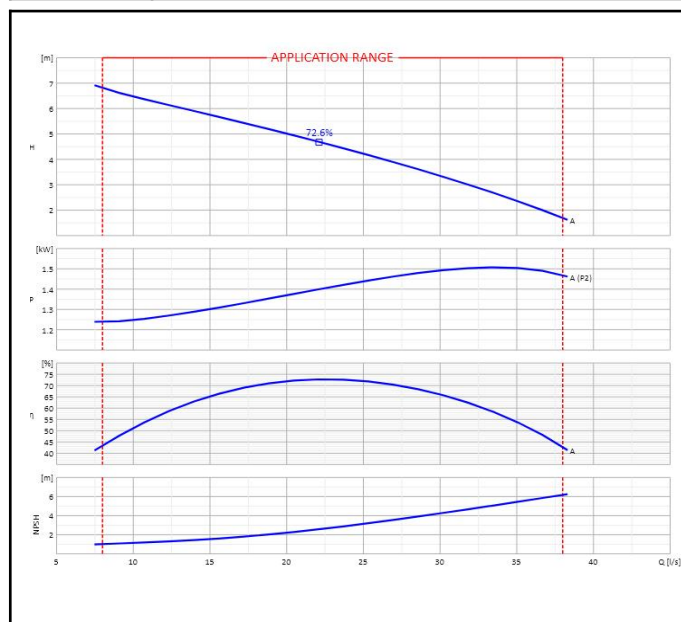


Customer:		Ref.:	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	KCM100HA+001861N1



OPERATING DATA- ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS			
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]	Delivery diameter	100	mm	
					Type of Impeller	Single channel		
					Moment of inertia	0.10813 Kg·m²		
					Electric pump weight	Installation	76	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/dm³		H (Q=0)	Hmax	8.83	6.81
Maximum viscosity	1	mm²/s		Qmin	Qmax	8	38
Max. solid content	4	%		Power consumption at duty point	n.d.		
Max. number of starts/hr	20			Max power consumption	1.51		
Free passage	80	mm		Pump efficiency	Overall	n.d.	n.d.
Minimum immersion depth	337	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	1.8	kW	
Round power cable	n.d.	Rated frequency	50	Hz	
Motor casing	Cast iron	Rated voltage	400	V	
Stator	Electrical steel	Rated current	5.6	A	
Complete shaft with rotor	Stainless steel/Magnetic steel	No. Poles	6	965	1/min
Conductivity probe	n.d.	Rotation speed	3 ~		
Elastic ring	Steel	Type of motor	70.0 %		
Delivery body	Cast iron	Efficiency 4/4	0.660		
Impeller	Cast iron	Power factor 4/4	4.2		
Oil box	Cast iron	Is/In	Ts/Tn	4.2	n.d.
Ring impeller seat	Steel/Rubber	Thermal protection	Klixon		
Mechanical seal on pump side	silicon carbide/ceramic	Insulation class	F		
Mechanical seal on motor side	Ceramic/graphite	Protection class	IP68		
Screws and nuts	Stainless steel	Explosion-proof	n.a.		
		Power supply cable	Length	NSSHO	10
		Efficiency class	S.F		n.d.

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