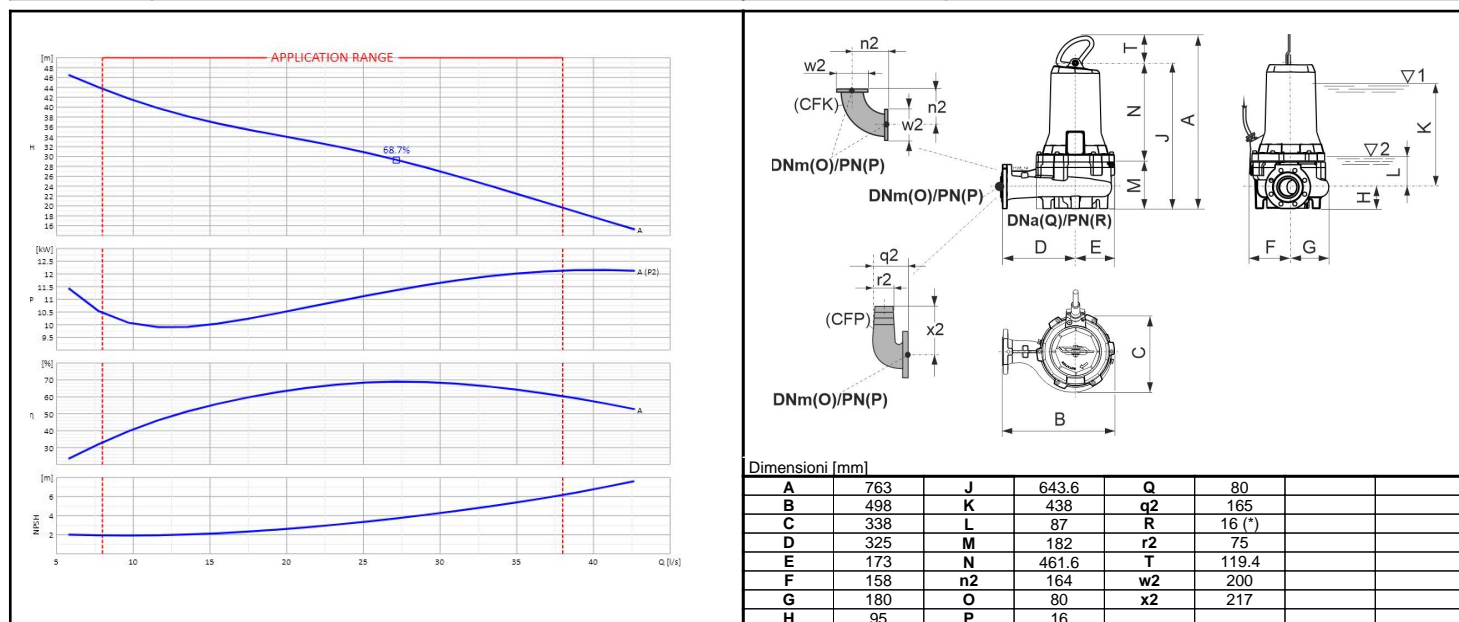


Customer:		Ref.:	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	KCM080LA+012522N3



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	Single channel		
					Moment of inertia	0.06195 Kg·m²		
					Electric pump weight	Installation	148.2	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	53.62	43.65
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	10			Max power consumption	12.11		
Free passage	55	mm		Pump efficiency	Overall	n.d.	n.d.
Minimum immersion depth	438	mm		Sense of rotation (*)	Clockwise		
ELECTRIC PUMP MATERIALS				Number of pumps installed	Operating	Stand-by	
					1	0	

Flange for mechanical seal	Nodular cast iron	ELECTRIC MOTOR CHARACTERISTICS			
Support bearing	Cast iron				
Cable clamp	Stainless steel	Nominal power	12.5	kW	
Motor casing	Cast iron	Rated frequency	50	Hz	
Stator	Electrical steel	Rated voltage	400	V	
Complete shaft with rotor	Stainless steel/Magnetic steel	Rated current	22.4	A	
Conductivity probe	n.d.	No. Poles	2	Rotation speed	2925
Oil centrifuge	Technopolymer	Type of motor	3 ~		
Round power cable	n.d.	Efficiency 4/4-3/4-2/4 (**)	90,6 - 91,2 - 89,8 %		
Delivery body	Cast iron	Power factor 4/4-3/4-2/4	0,885 - 0,850 - 0,755		
Impeller	Cast iron	Is/In	8.6	Ts/Tn	n.d.
Ring impeller seat	Steel/Rubber	Thermal protection	Klixon		
Mechanical seal on pump side	silicon carbide/ceramic	Insulation class	H		
Oil box	Cast iron	Protection class	IP68		
Mechanical seal on motor side	Ceramic/graphite	Explosion-proof	n.a.		
Screws and nuts	Stainless steel	Power supply cable	Length	10	m
		Efficiency class	S.F	IE3	n.d.

Notes:	(*) Viewed from motor coupling side; (**) Efficiency testing method according to IEC60034-2-1		
OFFER No.	Pos.	Date	
		16/01/2020	