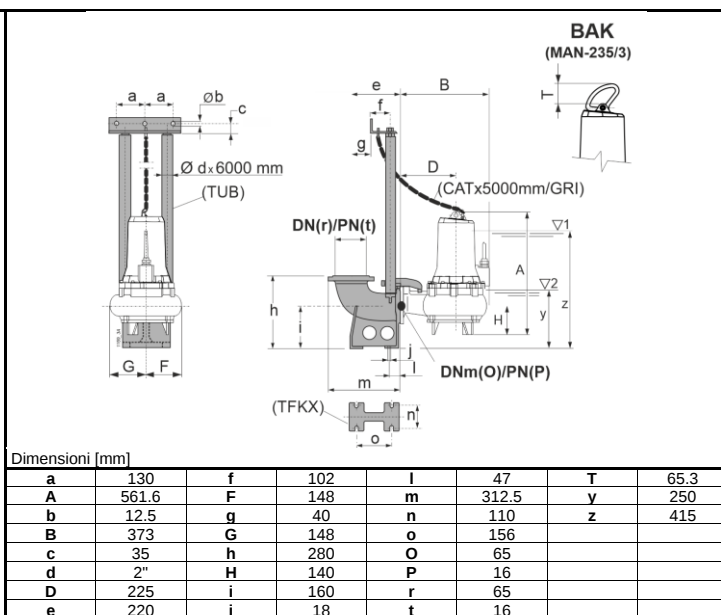
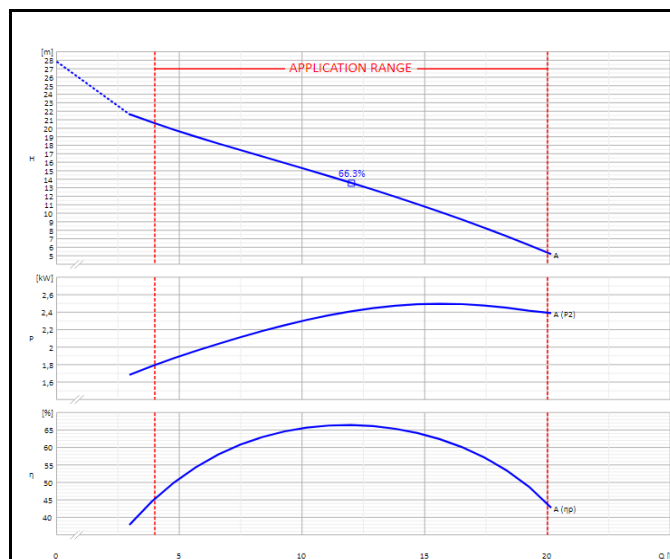


Customer:	ELIN			Ref.:	
Item	1	Quantity	2	Required flow rate	-
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER			Model	KCM065FA+002521N3
				Required head	-



OPERATING DATA - ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS		
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]	Delivery diameter	65	mm
					Type of Impeller	Single channel	
					Moment of inertia	0.01065 Kgm ²	
					Electric pump weight	62	Kg
					Installation	21	Kg
					Seal on pump side	Mechanical	Mechanical
					Motor side	Vertical	BAKE 2"
					Type of installation	Continuous (S1)	
					Operation		

OPERATING LIMITS			OPERATING CHARACTERISTICS			****
Pumped liquid	Waste water		Service flow rate	-	-	
Max. temperature of pumped liquid	40	°C	Service head	-	-	
Maximum density	1	kg/dm ³	H (Q=0)	27.8	20.6	m
Maximum viscosity	1	mm ² /s	Hmax (Qmin)			
Max. solid content	4	%	Qmin	4	20	l/s
Max. number of starts/hr	20		Qmax			
Free passage	40	mm	Power consumption at duty point	-	-	
Minimum immersion depth	255	mm	Max power consumption	2.5		kW
			Pump efficiency	-	-	
			Overall	-	-	
			Sense of rotation (*)	Clockwise		

ELECTRIC PUMP MATERIALS			ELECTRIC MOTOR CHARACTERISTICS		
Delivery body	Cast iron		Nominal power	2.5	kW
Suction support	Cast iron		Rated frequency	50	Hz
Support bearing	Nodular cast iron		Rated voltage	400	V
Impeller	Cast iron		Rated current	5.5	A
Impeller wear ring	Steel/Rubber		No. Poles	2	2885
Cable clamp	Brass		Rotation speed		1/min
Round power cable	-		Type of motor	3 ~	
Motor casing	Cast iron		Efficiency 4/4-3/4-2/4 (**)	84.4 - 84.7 - 82.8 %	
Stator	Electrical steel		Power factor 4/4-3/4-2/4	0.775 - 0.675 - 0.545	
Complete shaft with rotor	Stainless steel/Magnetic steel		Is/In	8.9	-
Conductivity probe	-		Ts/Tn		
Elastic ring	Steel		Thermal protection	H	
Mechanical seal on pump side	silicon carbide/ceramic		Insulation class	IP68	
Mechanical seal on motor side	Ceramic/graphite		Protection class	n.a.	
Screws and nuts	Stainless steel		Explosion-proof	n.a.	
			Power supply cable	Length	H07RN8-F 10 m
			Efficiency class	S.F.	IE3 1

Notes:	(*) Viewed from motor coupling side; (**) Efficiency testing method according to IEC60034-2-1				
	Pos.	Date			
	1.1	18/11/2024			