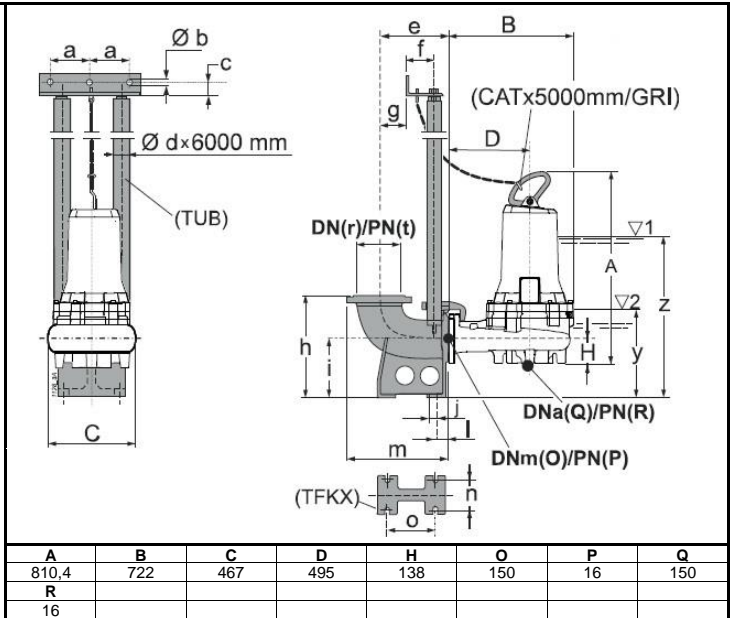
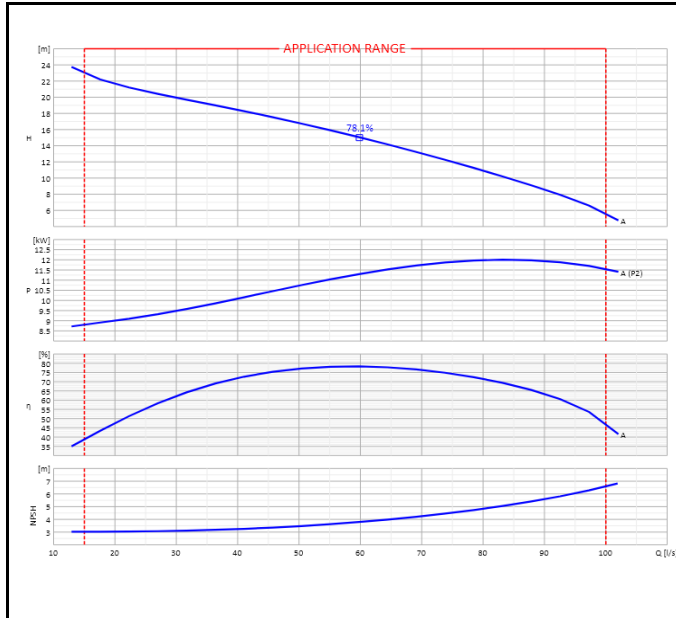




Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	KONTROLL KC-40.125.4LA
------	---	-------	-------------------------------



OPERATING DATA - ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS				
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]					
					Delivery diameter	150 mm			
					Type of Impeller	Single channel			
					Moment of inertia	-			
					Electric pump weight	Installation	203.55	-	Kg
					Seal on pump side	Motor side	Mechanical	Mechanical	
					Type of installation	-			
					Operation	Continuous (S1)			

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)	Hmax	28.9	23
Maximum viscosity	1	mm ² /s	Qmin	Qmax	15	100
Max. solid content	4	%	Power consumption at duty point	-		
Max. number of starts/hr	10		Max power consumption	12		
Free passage	100	mm	Pump efficiency	Overall	-	-
Minimum immersion depth	440	mm	Sense of rotation (*)	Clockwise		
ELECTRIC PUMP MATERIALS			Number of pumps installed	Operating	Stand-by	
				1	0	
Delivery body	Cast iron		ELECTRIC MOTOR CHARACTERISTICS			
Impeller	Cast iron		Nominal power	12.5	kW	
Ring impeller seat	Steel/Rubber		Rated frequency	50	Hz	
Mechanical seal on pump side	silicon carbide/ceramic		Rated voltage	400	V	
Flange for mechanical seal	Nodular cast iron		Rated current	24	A	
Support bearing	Cast iron		No. Poles	4	1465	1/min
Oil box	Cast iron		Type of motor	3 ~		
Cable clamp	Stainless steel		Efficiency 4/4-3/4-2/4 (**)	90.6 - 91.1 - 90.5 %		
Motor casing	Cast iron		Power factor 4/4-3/4-2/4	0.830 - 0.780 - 0.675		
Stator	Electrical steel		Is/In	Ts/Tn	6	-
Complete shaft with rotor	Stainless steel/Magnetic steel		Thermal protection	Klixon		
Conductivity probe	-		Insulation class	H		
Oil centrifuge	Technopolymer		Protection class	IP68		
Mechanical seal on motor side	Ceramic/graphite		Explosion-proof	n.a.		
Round power cable	-		Power supply cable	Length	10	m
Screws and nuts	Stainless steel		Efficiency class	S.F	IE3	1