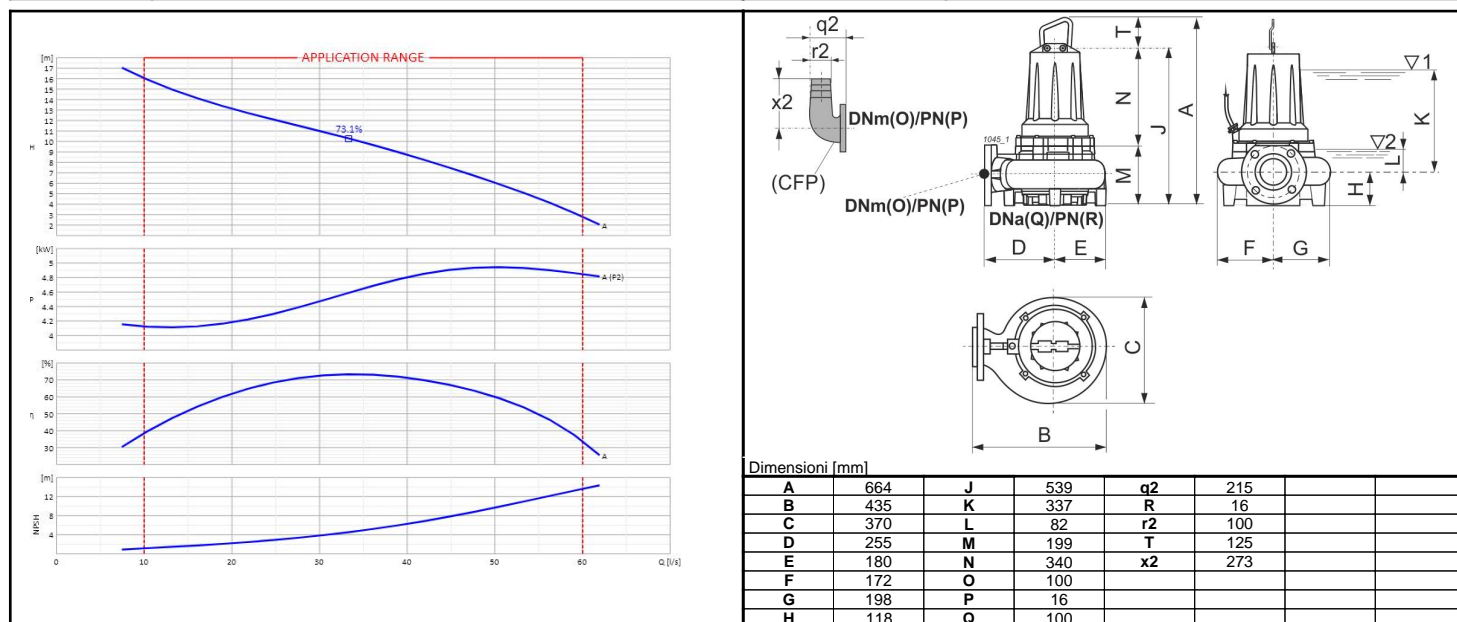


Customer:		Ref.:	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	KCM100HA+005141N1



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		0.09181 Kg·m²	
					Electric pump weight	Installation	102	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	20	16.03
Maximum viscosity	1	mm²/s		Qmin	Qmax	10	60
Max. solid content	4	%		Power consumption at duty point	n.d.		n.d.
Max. number of starts/hr	20			Max power consumption	4.94		kW
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	5.1	kW	
Round power cable	n.d.	Rated frequency	50	Hz	
Motor casing	Cast iron	Rated voltage	400	V	
Stator	Electrical steel	Rated current	11.5	A	
Complete shaft with rotor	Stainless steel/Magnetic steel	No. Poles	4	Rotation speed	1395
Conductivity probe	n.d.	Type of motor	3 ~		
Elastic ring	Steel	Efficiency 4/4	77.0 %		
Delivery body	Cast iron	Power factor 4/4	0.830		
Impeller	Cast iron	Is/In	4.3	Ts/Tn	n.d.
Oil box	Cast iron	Thermal protection	Klixon		
Ring impeller seat	Steel/Rubber	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
		Efficiency class	S.F		n.d.

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