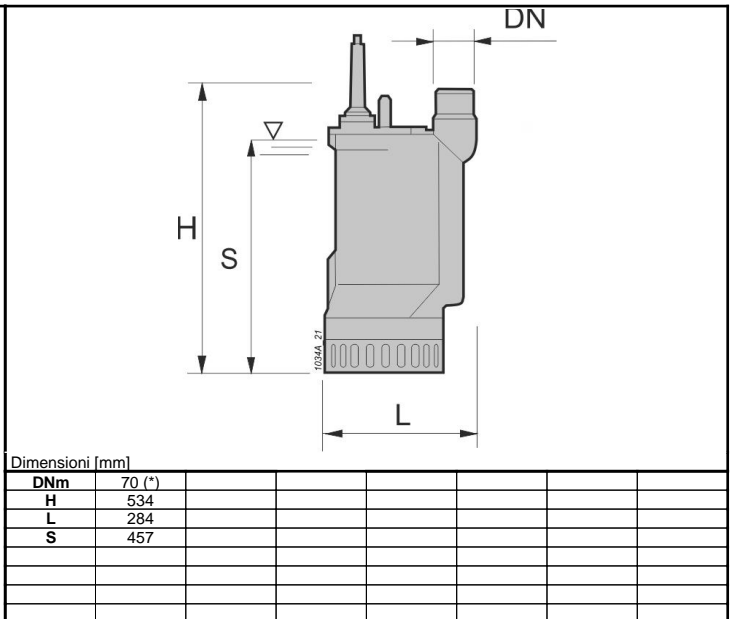
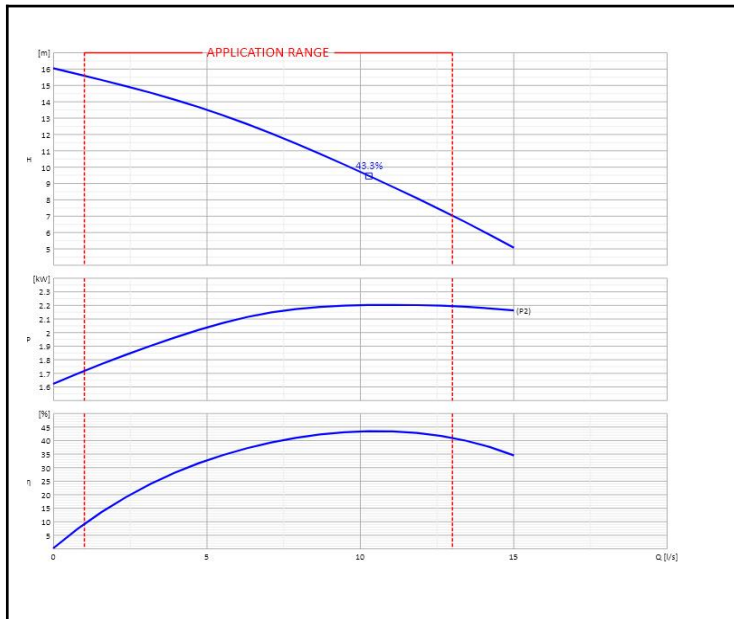


Customer:		Ref.:	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	DRN22M-230V
		Required head	n.d.



OPERATING DATA- ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS			
Q [l/s]	H [m]	P [kW]	η [%]	NPSH [m]	Delivery diameter		70 mm	
					Type of Impeller		Open impeller	
					Moment of inertia		n.d.	
					Electric pump weight	Installation	33	Kg
					Seal on pump side	Motor side	Mechanical	n.d.
					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)	0	15.57	m
Maximum viscosity	1	mm²/s		Qmin	1	13	l/s
Max. solid content	n.d.	%		Power consumption at duty point	n.d.		n.d.
Max. number of starts/hr	20			Max power consumption	2.2		kW
Free passage	6	mm		Pump efficiency	Overall	n.d.	n.d.
Minimum immersion depth	n.d.	n.d.		Sense of rotation (*)		Clockwise	
ELECTRIC PUMP MATERIALS				Number of pumps installed		Operating	Stand-by
						1	0

ELECTRIC MOTOR CHARACTERISTICS			
Round power cable	n.d.		
Stator	Electrical steel		
Motor casing	Aluminium		
Rotor	Electrical steel		
Mechanical seal	Ceramic/graphite		
Strainer	Aluminium		
Impeller	Cast iron		
Mechanical seal on pump side	Silicon carbide/silicon carbide		
Delivery casing	Aluminium		
Wear plate	Aluminium/rubber		
Pump casing	Aluminium		
Nominal power		2.2	kW
Rated frequency		50	Hz
Rated voltage		230	V
Rated current		14	A
No. Poles	Rotation speed	2	2800 1/min
Type of motor		1 ~	
Efficiency 4/4		73.0 %	
Power factor 4/4			
Is/In	Ts/Tn	n.d.	n.d.
Thermal protection			
Insulation class		F	
Protection class		IP68	
Explosion-proof		n.a.	
Power supply cable	Length	H07RN-	20 m
Efficiency class	S.F	n.d.	

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