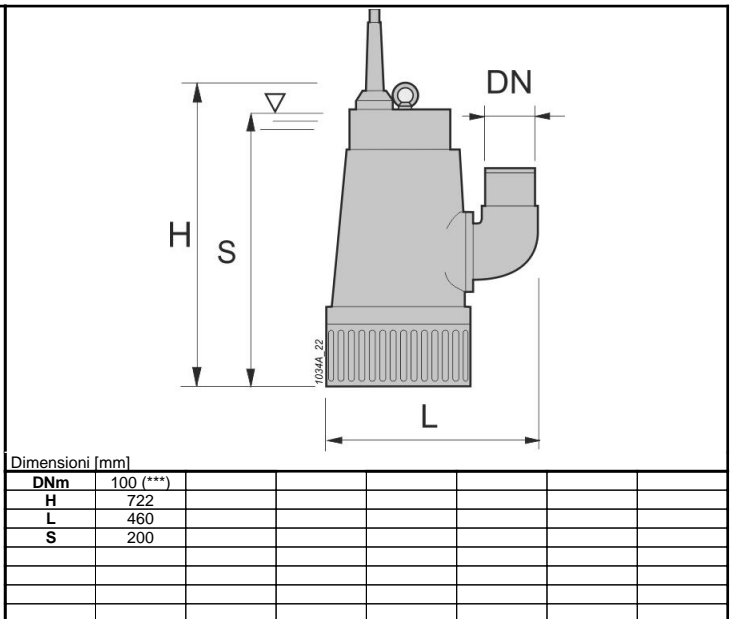
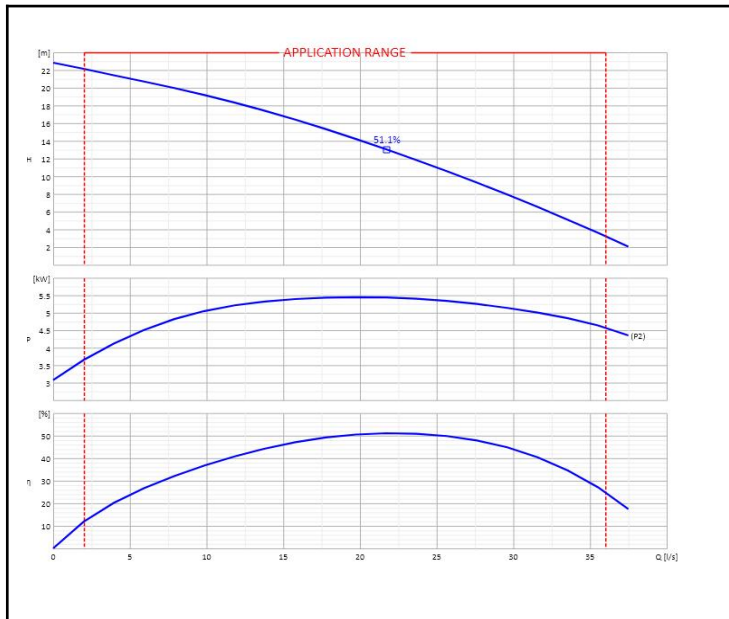


Customer:		Ref.:	
Item	Quantity	Required flow rate	n.d.
Type	SUBMERSIBLE ELECTRIC PUMP FOR WASTE WATER	Model	DRL45T-230-400V
		Required head	n.d.



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		Open impeller	
					Moment of inertia		n.d.	
					Electric pump weight	Installation	70	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	0	22.13
Maximum viscosity	1	mm²/s	Qmin	Qmax	2	36
Max. solid content	n.d.	%	Power consumption at duty point		n.d.	n.d.
Max. number of starts/hr	15		Max power consumption		5.45	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	Stainless steel
Impeller	Brass/Rubber
Mechanical seal on pump side	Silicon carbide/silicon carbide
Delivery casing	Aluminium
Wear plate	Stainless steel/rubber
Pump casing	Aluminium/rubber
Nominal power	5.5 kW
Rated frequency	50 Hz
Rated voltage	400 V
Rated current	12 A
No. Poles	2
Rotation speed	2850 1/min
Type of motor	3 ~
Efficiency 4/4	77.5 %
Power factor 4/4	
Is/In	Ts/Tn
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