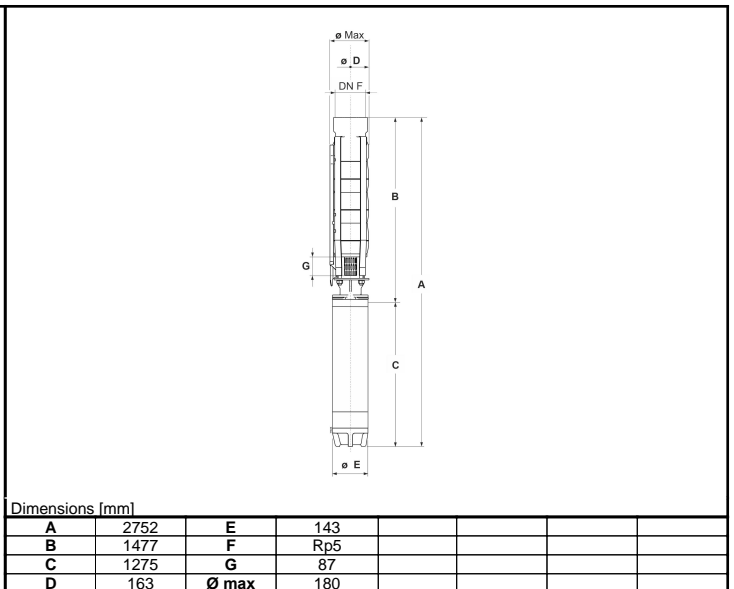
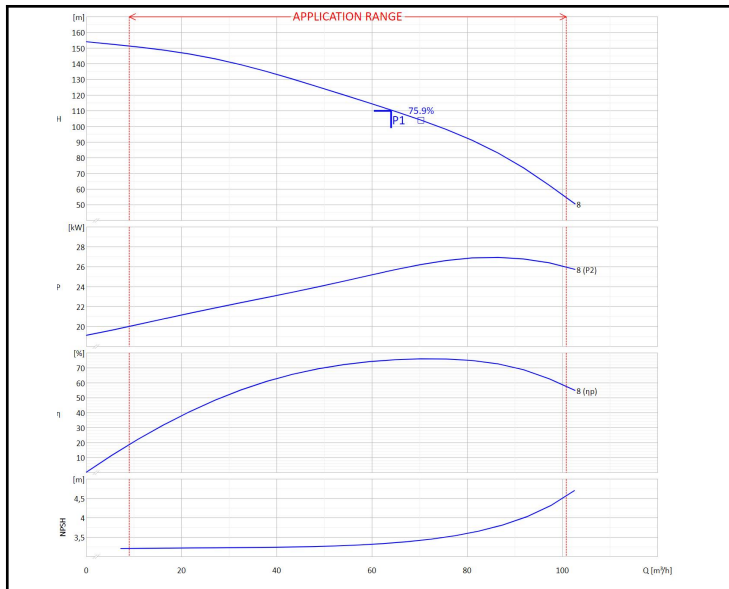


Customer:		Ref.:	
Item	Quantity	Required flow	64 m ³ /h
Type	SUBMERSIBLE ELECTRIC PUMP	Model	E8KX77/8+MPC640A-8V
		Required head	110 m



OPERATING DATA - ISO 9906:2012 3B -					CONSTRUCTION CHARACTERISTICS		
Q [m ³ /h]	H [m]	P [kW]	η [%]	NPSH [m]	Delivery diameter		
					Rp5		n.d.
					Max. overall diameter	180	mm
					Weight of electric pump	154.7	Kg
					No. Stages	8	
					Motor seal	Mechanical	
					Type of installation	Vertical	

OPERATING LIMITS			PUMP MATERIALS	
Pumped liquid	Water		Impeller	Stainless steel
Max. temp. of pumped liquid (*)	30	°C	Shaft bearing bush	Rubber
Maximum density	1	kg/dm ³	Diffuser	Stainless steel
Maximum viscosity	1	mm ² /s	Valve casing	Stainless steel
Maximum solid content	50	g/m ³	Strainer	Stainless steel
Max. number of starts/hr	20		Shaft	Stainless steel
Minimum immersion depth	450	mm	Coupling	Stainless steel

OPERATING CHARACTERISTICS			MOTOR MATERIALS	
Service flow rate	64.12	m ³ /h	Suction support	Stainless steel
Service head	110.41	m	Shaft sleeve	Stainless steel
Qmin	9	m ³ /h		
Qmax	100.8	m ³ /h		
H (Q=0)	154.01	m		
Hmax (Qmin)	151.23	m		
Power consumption at duty point	25.61	kW		
Pump	75.16	%		
Overall efficiency	63.36	%		
Max. pump efficiency (B.E.P.)	75.9	%		
Sense of rotation (**)	Anticlockwise			
Number of pumps installed	Operating	Stand-by		
	1	0		

ELECTRIC MOTOR CHARACTERISTICS			MOTOR MATERIALS	
Nominal power	30	kW	Shaft	Stainless steel
Rated frequency	50	Hz	Sand guard	Rubber
Rated voltage	400	V	Rotor	Electrical steel
Rated current	69.7	A	Stator	Electrical steel
Thermal protection	A		Stator shell	Stainless steel
No. Poles	2	2885	Winding	PPC
Nominal speed	1/min		Lower bracket	Cast iron
Insulation	n.d.		Cover mechanical seal	Technopolymer
Protection class	IP68		Mechanical seal	Silicon carbide/silicon
Rephased power factor (***)	n.d.		Bearing	Graphite
			Thrust-bearing	Stainless steel/Synthetic
			Thrust-bearing foot slip	Cast iron
			Diaphragm	Rubber
			Diaphragm cover	Cast iron
			Upper bracket	Cast iron

Notes:	(*) Speed of the water outside the jacket of the motor v=0.5 m/s	(**) View from delivery port.
	(***) The value of the rephased power factor depends on the system into which the motor is integrated	
	If used with inverter, refer to the Use and Maintenance Manual of the electric pump.	

OFFER No.	Pos.	Date
		05/06/2026