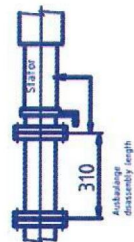
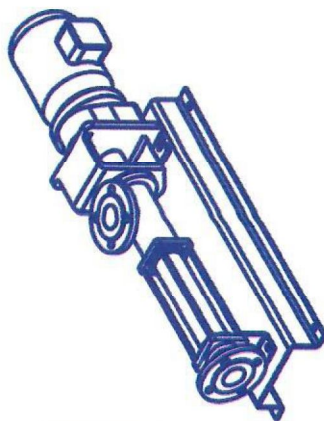
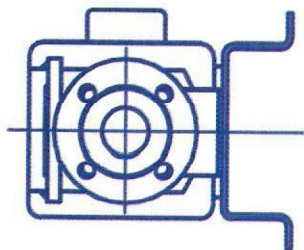


Item 1		NEMO® pump NM031BY		Customer project flocculant		Date 16/04/2025	
				Item no. Customer		Offer B000542819	
Pumped medium				Assembly specification / General operating conditions			
Name	флокулянт			Installation aggregate / Installation area	horizontal / in building		
Density	kg/dm³	1 - 1.2		Ambient temperature / humidity	approx. 20°C / up to 50%		
Particle size	mm	0 - 0.3		application type / maximum operating hours	Continuous operation / 24 h/d		
pH value		6 - 9		service voltage / Frequency	400 V / 50 Hz		
Solids content (Vol%)	% TR	0 - 0.5					
dynamic viscosity	mPa s	1 - 100					
Chloride content	ppm	0					
Fibre length	mm	0					
Operating conditions				Painting			
Flow rate	m³/h	Q _{nominal} 3	Q _{minimum} 2	assembly colour / coating system	Manufacturer std. / Manufacturer std.		
Differential pressure	bar	1.2	1.1	Operating and Maintenance Instructions			
Suction pressure	bar	0.1	0.1	Number	1	1	
Discharge pressure	bar	1.3	1.2	Medium for O&M's	Download	Download	
Rotational speed	rpm	237	158	language for O&M's	English	Russian	
Sliding velocity	m/s	0.52	0.35	language spare parts list	English	Russian	
Frequency	Hz	47	31	further documentation / tests			
Power required at drive shaft	kW	0.36	0.23	EC-Declaration of Incorporation			
Operating torque	Nm	14.44	14.02				
Starting torque	Nm	30	30				
Operating temperature	°C		10				
Block pump				shaft seal			
Direction of rotation	to the left, seen from drive end (ccw)			shaft seal type	uNS-Seal®100		
name plate material	stainless steel (self-adhesive)			shaft seal materials	Q1Q1VGG		
name plate execution	standard (with logo)						
Lantern / Pump housing / end connection							
lantern material	0.6025 (EN-GJL-250) / with protective cover						
housing material	0.6025 (EN-GJL-250)						
flange position	vertically upwards						
flange design	flange DIN EN 1092 B1 (RF)						
end connection flange arrangement	flange DIN EN 1092 B1 (RF)						
Pump housing / end connection	DN50 PN16 / DN50 PN16			Rotating parts / Joints			
function Pump housing / end connection	suction connection / pressure connection			rotating parts materials	CrNiMo17-12-2 (AISI 316...)		
housing seals	FPM						
				Joint execution	pin joint		
				sealing execution	SM Pin joint seal / FPM/1.4401		
				joint lubrication	Mineral oil		
				Rotor / Stator			
				rotor material	CrNiMo17-12-2 (AISI 316...) / 20°C normal size		
				stator material	NEMOLAST® S62L		
				stator bolt material	stainless steel, AISI 304		
Base plate for NM pump with lantern							
specification	base plate hat trapeziform						
Material	steel powder coated						
Helical geared motor							
manufacturer / Type / construction	Nord / SK01-80LP/4 / B5						
type addendum	-F(AL) TF						
Drive ratio / Rotational speed	5.62 / 252 rpm						
number of poles / Motor speed	4-poles / 1415 rpm						
Winding voltage / voltage range	230/400 / 230/400						
Power-saving mode	IE3						
Frequency	50 Hz						
Power / number of phases	0.75 kW / 3						
Rated current / Cos Phi	1.79 A / 0.72						
protection type / insulation class	IP66 / F, used according to B						
Temperature monitoring	3 PTC in the windings, without relay						
Drive flange/shaft	160 mm / 19 mm / 40 mm						
cross drilling	l=15, d=8, (to WN0146)						
Drive shaft seal	NBR						
Accessories							



Förderrichtung/flow direction

Drehrichtung siehe Auftragsbestätigung
direction of rotation see order confirmation

[illegible]