

<b>Item 1</b>		<b>NEMO® pump NM076BY</b>		<b>Customer project</b> flocculant	<b>Date</b> 16/04/2025	
				<b>Item no. Customer</b>	<b>Offer</b> B000542819	
<b>Pumped medium</b>			<b>Assembly specification / General operating conditions</b>			
Name	известковое молоко			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 - 1				
dynamic viscosity	mPa s	1 - 100				
Chloride content	ppm	0				
Fibre length	mm	0				
<b>Operating conditions</b>			<b>Painting</b>			
		<i>Q<sub>nominal</sub></i>	<i>Q<sub>minimum</sub></i>	<i>Q<sub>maximum</sub></i>		
Flow rate	m³/h	50	22	80	assembly colour / coating system	
					Manufacturer std. / Manufacturer std.	
Differential pressure	bar	2	1.5	2.5	<b>Operating and Maintenance Instructions</b>	
Suction pressure	bar	0.1	0.1	0.1	Number	1
Discharge pressure	bar	2.1	1.6	2.6	Medium for O&M's	Download
Rotational speed	rpm	183	81	293	language for O&M's	English
Sliding velocity	m/s	1.1	0.49	1.77	language spare parts list	English
Frequency	Hz	45	20	72		
Power required at drive shaft	kW	7.2	2.83	12.78	<b>further documentation / tests</b>	
Operating torque	Nm	376.12	335.72	416.84	EC-Declaration of Incorporation	
Starting torque	Nm	478	478	478		
Operating temperature	°C		10	30		
<b>Block pump</b>			<b>shaft seal</b>			
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)					
<b>Lantern / Pump housing / end connection</b>			<b>Rotating parts / Joints</b>			
lantern material	0.7040 (graphite cast iron) / with protective cover			rotating parts materials	1.4301 (AISI 304)	
housing material	0.6025 (EN-GJL-250)			Joint execution	pin joint	
flange position	vertically upwards			sealing execution	SM Pin joint seal / FPM/1.4401	
flange design	flange DIN EN 1092 B1 (RF)			joint lubrication	Mineral oil	
end connection flange arrangement	flange DIN EN 1092 B1 (RF)			<b>Rotor / Stator</b>		
Pump housing / end connection	DN125 PN16 / DN125 PN16			rotor material	1.4301 (AISI 304) / 20°C normal size	
function Pump housing / end connection	suction connection / pressure connection			stator material	NEMOLAST® S62L	
housing seals	FPM					
<b>Base plate for NM pump with lantern</b>						
specification	top hat profile base plate					
Material	steel powder coated					
<b>Helical geared motor</b>						
manufacturer / Type / construction	Nord / SK42-160LP/4 / B5					
type addendum	-F(AL) TF					
Drive ratio / Rotational speed	7.28 / 202 rpm					
number of poles / Motor speed	4-poles / 1465 rpm					
Winding voltage / voltage range	400/690 / 400/690					
Power-saving mode	IE3					
Frequency	50 Hz					
Power / number of phases	15.00 kW / 3					
Rated current / Cos Phi	27.9 A / 0.85					
protection type / insulation class	IP66 / F, used according to B					
Temperature monitoring	3 PTC in the windings, without relay					
Drive flange/shaft	250 mm / 50 mm / 110 mm					
cross drilling	l=77, d=16, (to WN0146)					
Drive shaft seal	NBR					
<b>Accessories</b>						



