

1.1 TECHNICAL DATA SHEET

1 GENERAL					
1.1	Serial Number	4422			
1.2	Kind of Machine	HOMOGENIZER			
1.3	Model	ARIETE			
1.4	Type	NS3006H			
1.5	Execution	Aseptic			
1.6	Special Features	3A+ELECTROP.			
1.7	MAX Operating Pressure	1200	bar		
1.8	Flow Rate Type	V			
1.9	MIN Flow Rate	27	l/h @	17,9	Hz
1.10	MAX Flow Rate	90	l/h @	59,8	Hz
1.11	MIN Feed Pressure	6/8	bar		
1.12	MAX Backpressure	20	bar		

2 OPERATING CONDITIONS					
2.1	Product	VARIOUS			
2.2	MAX Viscosity	<200	cP		
2.3	MAX Relative Humidity	90	%		
2.4	Ambient Temperature	40	°C		
2.5	MAX Altitude	1000	m		
2.6	MAX operating temperature	<90	°C		
2.7	MAX temperature CIP / SIP	<140	°C		

3 TECHNICAL FEATURES					
3.1 COMPRESSION BLOCK					
3.1.1	Type	MONOBLOCK VHP			
3.1.2	Number of plungers	3			
3.1.3	Material of plungers	CERAMIC			
3.1.4	Plunger diameter	12,7	mm		
3.1.5	Stroke	40	mm		
3.1.6	Pumping valve type	PVB 1/2"			
3.1.7	Overpressure valve	SPRING LOADED	setpoint	1320	bar
3.1.8	Connection, Inlet	3/4" TRICLAMP			
3.1.9	Connection, Outlet	3/4" TRICLAMP			

3.2	HOMOGENIZING VALVE			
3.2.1	Number of Stages	2		
3.2.2	Type of actuator	HANDWHEEL		
3.2.3	Type of control	HANDWHEELD.11,9-30 (ASEPTIC)		
3.2.4	Homogenizing Valve Type	D.11,9-30 (ASEPTIC)		

3.3	DRIVE END			
3.3.1	Main Motor (frame size; type)	132MB/6P	AC	
3.3.2	Main Motor Power	5,5	kW	
3.3.3	RPM Crankshaft	59	MIN	
3.3.4	RPM Crankshaft	199	MAX	
3.3.5	Drive Type	STD		
3.3.6	Gearbox speed reduction ratio	/		

3.4	LUBRICATION			
3.4.1	Type	FORCED		
3.4.2	Lubricating system	UP10		
3.4.3	Oil Cooling system	UP10		

3.5	MAIN ELECTRICAL CIRCUIT			
3.5.1	Number of phases	3		
3.5.2	Voltage	460	V	
3.5.3	Frequency	60	Hz	

3.6	AUX ELECTRICAL CIRCUIT			
3.6.1	Number of phases	1		
3.6.2	Voltage	110	V	
3.6.3	Frequency	60	Hz	

4	OPTIONS			
4.1	Suction side pulsation damper	YES		
4.2	Delivery side pulsation damper	/		
4.3	Feeding pump	/		
4.4	Inlet pressure gauge	MANO D100 0-10BAR + P.S.		
4.5	Electric Power Board	/		
4.6	Overpressure Valve in Line	/	setpoint /	Bar /