TECHNICAL DATASHEET

Main specs	Unit	ALAN SP
Weighting box capacity	Lt	6
Max filling weight per shot	gr	5 (b)
Storage box capacity	Lt	275
N. of weighting scales	#	1
Working / Filling position(s)	#	1
Injection system	-	injection by push
Injection tube diameter	Mm	18,5 or 14,5
Max machine output (4)	Fillings / h	-
Technical data		
Voltage	V	230
Phase(s)	-	1Ph+N+G
Frequency	Hz	50
Installed Power	Kw	1,4 - 10A
Power consumption (1)	Kw	1,0
Air pressure	bar	8
Working pressure	bar	6
Max air consumption (2)	Lt / min	400
Air consumption (3)	Lt / min	5,5 x # fillings / min
Noise	dB	<70
Weight	Kg	150
Dimensions	cm	150x75(h)180
Environmental Conditions		
Altitude a.s.l.	m	<1000
Internal temperature max.	°C	35
Internal temperature min.	°C	5
Non-condensing humidity min	%	20
Non-condensing humidity max	%	90
Ideal temperature for working (for down)	°C	1
Ideal humidity (for down)	%	60-65
Service air specs		
Standard quality reference		Using ISO 8573-1 standard quality
Particles		Quality class 3
Water / Humidity		Quality class 4
Oil		Quality class 3
Technical Standard		
Machinery compliant to Directive		2006/42/CE
Equipment certification		CE
Low voltage Directive		2014/35/UE or equivalent UL/CSA norms
Electromagnetic Compatibility Directive		2014/30/UE or equivalent UL/CSA norms
Components		
Electrical components		SIEMENS
PLC/PC		SIEMENS
Weighting scale		HBM
Electric motor		-
Pneumatic components		SMC

Legend	
1	Based on normal working conditions. It depends on production output and material consumption
2	It is required only when air booster is activated continuously. The air booster is a special device installed on the machine for applying a 6-bar air directly to the injection nozzle in order to speed up, moving heavy filling materials or cleaning pipes at the end of the batch. In standard working condition is not used
3	This is the average air consumption (from 15 Lt/min to 25 Lt/ min) in normal working conditions. It depends by the injection time (and so by the filling dose weight) per every single filling. The overall machine consumption shall be obtained by multiply this number by the number of fillings (per minute or per hour)
4	The system output depends on filling weight, filling tolerance, on the filling material type and quality, comforter fabric type and quality, environmental conditions (relative humidity and temperature), electrostatic charge, production procedure and operator skills. To be confirmed after the above-mentioned factor confirmation Real output depends on operator time for moving the jacket frame from channel to channel
a	Indicative value for synthetic fibers
b	Indicative value for down feather (80/20)