

High-performance, high-precision and efficient

The new generation Elion impresses with its shorter design, optimized toggle geometry, and new injection gearbox. This allows you to produce with maximum efficiency in a smaller space.



	270	530	940	2000
Elion 1200 (510 x 510)				
Elion 1750 (560 x 560)				
Elion 2200 (670 x 620)				
Elion 3200 (720 x 670)				
Elion 4200 (760 x 720)				

Elion 1750-270

Clamping unit		1750
Clamping force	kN	1750
Opening force	kN	
Opening stroke	mm	450
Tie bar diameter	mm	85
Distance between tiebars (h x v)	mm	560 x 560
Mould height I, min. - max.	mm	300 - 600
Mould height II, min. - max.	mm	500 - 800
Mould height III, min. - max.	mm	700 - 1000
Mould weight, max.	¹⁾ kg	2'550
Mould weight moving platen, max.	¹⁾ kg	1'530
Ejector stroke max. Standard/Option	mm	120
Ejector force max. Standard/Option	kN	50
Retraction force max. Standard/Option	kN	30
Dry cycle / stroke	²⁾ s / mm	prov. 1.40

Injection unit		270					
Screw diameter	mm	18	25	28	32	35	40
Screw ratio L/D		21.7	20.2	22.4	20.2	22.8	25.1
Injection pressure	³⁾ bar	2'400	2'400	2'400	2'400	2'203	1'687
Screw stroke	mm	72	100	112	128	128	128
Stroke volume, max.	ccm	18.3	49.1	69.0	102.9	123.2	160.8
Shot weight (PS)	g	18	47	66	99	118	154
Injection velocity max. Standard	mm/s				250		
Injection velocity max. "High Power"	mm/s				450		
Injection rate max. Standard	ccm/s	64	123	154	201	241	314
Injection rate max. "High Power"	ccm/s	115	221	277	362	433	565
Screw speed max.	min-1				550		
Torque max. Standard/Option	Nm				500		
Heating capacity	kW	7.4	8.6	10.4	10.4	19.7	22.5
Nozzle contact force	kN				30		

Dimensions and weights		
Length	m	5.40
Width	m	1.92
Height	⁴⁾ m	2.13
Weight	t	11.7

¹⁾ Heavier mould weights on request
²⁾ According Euromap 6
³⁾ Value could be technically limited
⁴⁾ Dimension without Levelling Elements