

Clamping Unit		MacroPower 1000		
Clamping force	kN	10000		
Distance between tie bars	mm x mm	1450 x 1100		
Mould height (min.)	mm	600		
Mould height (max.)	mm	1200		
Opening stroke / opening force	mm/kN	1800 / 330		
Maximum daylight	mm	2400		
Ejector stroke / ejector force	mm/kN	300 / 165		
Dry cycle time ¹⁾	s - mm	40 - 770	4,0 - 770	4,0 - 770

Injection Unit		5100			8800			13800		
Screw diameter	mm	75	85	95	95	105	120	105	120	135
Screw stroke	mm	425			525			600		
Screw L/D ratio		22			22			22		
Theoretical shot volume	cm ³	1878	2412	3012	3721	4545	5937	5195	6786	8588
Specific injection pressure	bar	2500	2110	1689	2359	1931	1479	2300	2042	1613
Max. screw speed	min ⁻¹	221			167			137		
Max. plasticizing rate (PS) ²⁾	g/s	94	133	171	129	151	187	124	145	170
Max. screw torque	Nm	6048			8000			9345		
Nozzle stroke b/ contact force	mm/kN	600/129			600 / 129			600 / 129		
Injection rate into air	cm ³ /s	517	663	829	593	725	947	781	1020	1291
Injection rate into air with twin-pump (option)	cm ³ /s	646	829	1036	742	906	1183	938	1224	1550
Injection rate into air with hydraulic accumulator (option)	cm ³ /s	1291	1659	2072	1483	1812	2367			

Drive				
Drive power	kW	90		
Oil tank volume	l	1100		
Electrical power supply without / with Europackage	kVA	158 / 188		
		179 / 209		
		269 / 299		

Weights, dimensions				
Netweight (exclusive oil) clamping unit / injection unit	kg	35000 / 12000		
		35000 / 15000		
		35000 / 20000		
Length x width x height ³⁾	m	9,3 x 3,4 x 2,7		
		10,3 x 3,4 x 2,7		
		11,5 x 3,4 x 2,7		
Max. mould weight ⁴⁾ / min. mould dimensions	kg/mm	19000 / 1000 x 900		
		19000 / 1000 x 900		
		19000 / 1000 x 900		

- 1) according to Euromap 6 2) according to Battenfeld norm, higher plasticizing rates possible with twin-pump (option)
3) max. length with middle screw diameter in back position 4) max. 2/3 on clamping platen

