

Clamping unit		HM 500/ ...								
Clamping force	kN	5000								
Distance between tier-bars	mm x mm	1000 x 800								
Mold height (min.)	mm	450								
Opening stroke/opening force	mm/kN	1150/247								
Maximum daylight	mm	1600								
Ejector stroke/ejector force	mm/kN	250/81								
Dry cycle time ¹⁾	s-mm	3,6 - 560								
Injection unit		... /2250			... /3400			... /5100		
Screw diameter	mm	55	65	75	65	75	85	75	85	95
Screw stroke	mm	325			375			425		
Screw L/D ratio		22			22			22		
Theoretical shot volume	cm ³	772	1078	1436	1244	1657	2128	1878	2412	3012
Specific injection pressure	bar	2500	2070	1555	2500	2022	1574	2500	2110	1689
Max. screw speed	min ⁻¹	500			330			207		
Max. plasticizing rate (PS) ²⁾	g/s	85	130	185	92	140	195	88	124	160
Max. screw torque	Nm	2373			3759			6048		
Nozzle stroke/nozzle contact force	mm/kN	500/129			600/129			600/129		
Injection rate into air	cm ³ /s	454	634	844	488	649	834	484	622	777
Injection rate into air with twin-pump (option)	cm ³ /s	563	786	1047	605	805	1034	600	771	963
Injection rate into air with hydraulic accumulator (option)	cm ³ /s	726	1014	1351	1040	1385	1779	1291	1659	2072
Drive										
Drive power	kW	75			75			75		
Oil tank volume	l	1300			1300			1300		
Electrical power supply without/with Europackage	kVA	127/156			132/161			136/165		
Weights, Dimensions										
Netweight (exclusive oil)	kg	25000			26000			27000		
Length x width x weight ³⁾	m	6,9x2,5x2,6			7,3x2,5x2,6			7,7x2,5x2,6		
Max. mold weight/min. mold diameter ⁴⁾	kg/mm	6500/800			6500/800			6500/800		

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

