

Clamping unit		HM 180/ ...											
Clamping force	kN	1800											
Distance between tier-bars	mm x mm	570 x 520											
Mold height (min.)	mm	325											
Opening stroke/opening force	mm/kN	650/84											
Maximum daylight	mm	975											
Ejector stroke/ejector force	mm/kN	200/41,2											
Dry cycle time ¹⁾	s-mm	2,6 - 399											
Injection unit		... /525			... /750			... /1000			... /1330		
Screw diameter	mm	35	40	45	40	45	50	45	50	55	50	55	65
Screw stroke	mm	200			225			250			275		
Screw L/D ratio		22			22			22			22		
Theoretical shot volume	cm ³	193	251	318	283	358	442	398	491	594	540	653	913
Specific injection pressure	bar	2743	2100	1659	2678	2116	1714	2490	2016	1666	2470	2041	1461
Max. screw speed	min ⁻¹	517			398			260			207		
Max. plasticizing rate (PS) ²⁾	g/s	31	49,5	64,5	38,1	49,6	60	32,4	39,2	48,5	31,2	38,7	46,2
Max. screw torque	Nm	770			998			1540			1940		
Nozzle stroke/nozzle contact force	mm/kN	350/86			350/86			400/100			400/100		
Injection rate into air	cm ³ /s	166	217	274	170	215	265	183	226	273	184	223	311
Injection rate into air with twin-pump (option)	cm ³ /s	217	283	359	222	281	347	239	296	357	241	292	407
Injection rate into air with hydraulic accumulator (option)	cm ³ /s	287	375	475	376	476	588	478	590	714	567	686	958
Drive													
Drive power	kW	30			30			30			30		
Oil tank volume	l	400			400			400			400		
Electrical power supply without/with Europackage	kVA	52/81			55/84			57/86			60/89		
Weights, Dimensions													
Netweight (exclusive oil)	kg	7300			7300			8000			9000		
Lenght x width x weight ³⁾	m	4,8x1,6x2,2			4,9x1,6x2,2			5,2x1,6x2,2			5,3x1,6x2,2		
Max. mold weight/min. mold diameter ⁴⁾	kg/mm	1800/500			1800/500			1800/500			1800/500		

- 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

