

HM MC 500

Clamping Unit		HM MC 500								
Clamping force	kN	5000								
Distance between tie bars	mm x mm	1000 x 800								
Mould 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	mm	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	283			244			207		
Max. plasticizing rate (PS) ²	g/s	53	79	120	68	104	146	88	124	160
Max. screw torque	Nm	2373			3759			6048		
Nozzle stroke/contact force	mm/kN	500/129			600/129			600/129		
Injection rate into air ³	cm ³ /s	242	338	450	358	476	612	484	622	777
Injection rate into air with twin-pump (option)	cm ³ /s	726	1014	1351	1040	1385	1779	1291	1659	2072
Drive										
Drive power	kW	90			90			90		
Oil tank volume	l	1300			1300			1300		
Rotary Unit		1300								
Diameter	mm	1300								
Height	mm	180								
Weight	kg	2000								
Rotary time 180°	s	2								
Number of cooling circuits		4 x G 3/8"								
Min. mold diameter/ Max. mold diameter	mm	800/1341								
Max. mold weight ⁴	kg	6500								
Max. mold weight on rotary unit	kg	2500								

¹ according to EUROMAP 6 ² according to Wittmann Battenfeld norm ³ increased injection rates are possible and depending on the chosen combination ⁴ max. 2/3 on clamping platen

Combinations	Weight kg	Dimensions in mm												
		V	S	L	a ⁵	b	i	c	d	e	f	g	h	k
HM 500/2250H/210V-S-L	25600	4600	3200	4300										
HM 500/2250H/350V-S-L	25600	4800	3200	4300										
HM 500/2250H/525V-S-L	25700	5000	3300	4700	6850	-	-							
HM 500/2250H/750V-S-L	25700	5300	3400	4700										
HM 500/2250H/1000S-L	26400	-	3500	4900										
HM 500/3400H/210V-S-L	26600	4600	3200	4300										
HM 500/3400H/350V-S-L	26600	4800	3200	4300				6850	1155	1270	2715	2485	640	1050
HM 500/3400H/525V-S-L	26700	5000	3300	4700	6955	105	455							
HM 500/3400H/750V-S-L	26700	5300	3400	4700										
HM 500/3400H/1000S-L	27400	-	3500	4900										
HM 500/5100H/210V-S-L	27600	4600	3200	4300										
HM 500/5100H/350V-S-L	27600	4800	3200	4300	7290	440	790							
HM 500/5100H/525V-S-L	27700	5000	3300	4700										

⁵ max. length with middle screw diameter in back position

