

HM MC 110

Clamping Unit		HM MC 110																	
Clamping force	kN	1100																	
Distance between tie bars	mm x mm	470 x 420																	
Mould height (min.)	mm	275																	
Opening stroke/opening force	mm/kN	500/55																	
Maximum daylight	mm	775																	
Ejector stroke/ejector force	mm/kN	150/41,2																	
Dry cycle time ¹	s-mm	2,2 - 329																	
Injection Unit		130				210			350			525			750				
Screw diameter	mm	18	22	25	30	25	30	35	30	35	40	35	40	45	40	45	50		
Screw stroke	mm	110		125		150			175			200			225				
Screw L/D ratio	mm	20		22		22			22			22			22				
Theoretical shot volume	cm ³	28	41,8	61,4	88,4	73,6	106	144	123	169	220	193	251	318	283	358	442		
Specific injection pressure	bar	3000	2864	2218	1540	2940	2042	1500	2835	2083	1595	2743	2100	1659	2678	2116	1714		
Max. screw speed	min ⁻¹	318				310			298			318			291				
Max. plasticizing rate (PS) ²	g/s	3,2	4,6	8,5	12,3	8,2	12	18,6	11,6	17,9	28,5	19,1	30,4	39,7	27,9	36,3	43,9		
Max. screw torque	Nm	238		357		490			621			770			998				
Nozzle stroke/contact force	mm/kN	250/47				250/86			250/86			350/86			350/86				
Injection rate into air ³	cm ³ /s	32,7	48,9	63,1	90,9	59,5	85,7	117	74,1	101	132	102	133	169	124	157	194		
Injection rate into air with twin-pump (option)	cm ³ /s	77,7	116	150	216	143	206	280	216	294	384	287	375	475	376	476	588		
Drive																			
Drive power	kW	30				30			30			30			30				
Oil tank volume	l	275				275			275			275			275				
Rotary Unit		600																	
Diameter	mm	600																	
Height	mm	100																	
Weight	kg	250																	
Rotary time 180°	s	1																	
Number of cooling circuits		2 x G 1/4"																	
Min. mold diameter/ Max. mold diameter	mm	400/657																	
Max. mold weight ⁴	kg	1000																	
Max. mold weight on rotary unit	kg	500																	

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	Weights kg	Dimensions in mm										
		V	S	L	a ⁵	b	c	d	e	f	g	h
HM 110/130H/60-130V-S-L	5400	3300	2600	2800								
HM 110/130H/210V-L	5500	3600	-	3300	4000	-530						
HM 110/130H/350V-L	5500	3800	-	3300								
HM 110/210H/60-130V-S-L	5500	3300	2600	2800								
HM 110/210H/210V-S-L	5600	3600	2700	3300	4000	-225						
HM 110/210H/350V-L	5600	3800	-	3300								
HM 110/350H/60-130V-S-L	5500	3300	2600	2800			4000	1060	880	1860	1352	900
HM 110/350H/210V-S-L	5600	3600	2700	3300	4000	-45						
HM 110/350H/350V-S-L	5600	3800	2700	3300								
HM 110/525H/60-130V-S-L	5600	3300	2600	2800	4235	235						
HM 110/525H/210V-S-L	5700	3600	2700	3300								
HM 110/750H/60-130V-S-L	5600	3300	2600	2800	4415	415						

⁵ max. length with middle screw diameter in back position

