

Clamping unit		VM 80/...												
Clamping force	kN	800												
Distance between tie bars	mm x mm	420 x 370												
Working height	mm	1145												
Mold height (min.)	mm	300												
Opening stroke/opening force	mm/kN	375/158												
Max. daylight	mm	675												
Ejector stroke/ejector force	mm/kN	150/27,5												
Dry cycle time ¹⁾	s-mm	3,1 - 150												
Injection unit		130 H V				210 H V			350 H V			525 H V		
Screw diameter	mm	18	22	25	30	25	30	35	30	35	40	35	40	45
Screw stroke	mm	110		125		150			175			200		
Screw L/D ratio		20		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
Specific injection pressure	bar	3000	2864	2218	1540	2940	2042	1500	2835	2083	1595	2743	2100	1659
Max. screw speed	min ⁻¹	477				372			298			318		
Max. plasticizing rate (PS) ²⁾	g/s	4,8	6,9	12,6	18,5	9,9	14,4	22,3	11,6	17,9	28,5	19,1	30,4	39,7
Max. screw torque	Nm	238		357		490			621			770		
Nozzle stroke/contact force	mm/kN	350/47				300/86			300/86			350/86		
Injection rate into air ³⁾	cm ³ /s	49,1	73,4	94,7	136	71,4	103	140	74,1	101	132	102	133	169
Injection rate into air with double pump	cm ³ /s	65,5	97,8	126	182	113	163	222	117	160	209	153	200	253
Drive														
Drive power	kW	15				15			15			18,5		
Oil tank volume	l	180				180			180			180		
Electrical power supply without options	kVA	30				32			34			38		
Weight, dimensions														
Netweight (exclusive oil)	kg	4300				4350			4400			4500		
H - Length x width x height ³⁾	m	3,1 x 1,4 x 2,2				3,1 x 1,4 x 2,2			3,1 x 1,4 x 2,2			3,2 x 1,4 x 2,2		
V - Length x width x height ³⁾	m	3,1 x 1,4 x 3,8				3,1 x 1,4 x 3,9			3,1 x 1,4 x 4,1			3,1 x 1,4 x 4,3		
Max. mold weight ⁴⁾	kg	800				800			800			800		
Min. mold diameter	mm	315				315			315			315		

¹⁾ according to EUROMAP 6

²⁾ according to Wittmann Battenfeld Norm

³⁾ max. length with middle screw diameter in back position

⁴⁾ max. 2/3 on clamping platen

