

Clamping Unit		VM 60/...												
Clamping force	kN	600												
Distance between tie bars	mm x mm	370 x 320												
Working height	mm	1145												
Mold height (min.)	mm	250												
Opening stroke/opening force	mm/kN	375/102												
Max. daylight	mm	625												
Ejector stroke/ejector force	mm/kN	150/27,5												
Dry cycle time ¹⁾	s-mm	3,1 - 150												
Injection unit		60 H V			130 H V				210 H V			350 H V		
Screw diameter	mm	14	18	22	18	22	25	30	25	30	35	30	35	40
Screw stroke	mm	90			110				125			150		
Screw L/D ratio		20			20				22			22		
Theoretical shot volume	cm ³	13,9	22,9	34,2	28	41,8	61,4	88,4	73,6	106	144	123	169	220
Specific injection pressure	bar	3000	2593	1736	3000	2864	2218	1540	2940	2042	1500	2835	2083	1595
Max. screw speed	min ⁻¹	623			398				310			298		
Max. plasticizing rate (PS) ²⁾	g/s	1,9	6,2	9	4	5,8	10,5	15,4	8,2	12	18,6	11,6	17,9	28,5
Max. screw torque	Nm	90	231		238		357		490			621		
Nozzle stroke/contact force	mm/kN	350/47			350/47				300/86			300/86		
Injection rate into air ³⁾	cm ³ /s	40,9	67,6	101	40,9	61,1	78,9	114	59,5	85,7	117	74,1	101	132
Injection rate into air with double pump	cm ³ /s	65	108	161	65,5	97,8	126	182	95,2	137	187	117	160	209
Drive														
Drive power	kW	11			11				11			15		
Oil tank volume	l	180			180				180			180		
Electrical power supply without options	kVA	20			24				27			34		
Weight, dimensions														
Netweight (exclusive oil)	kg	3750			3800				3850			3900		
H - Length x width x height ³⁾	m	3,0 x 1,4 x 2,2			3,0 x 1,4 x 2,2				3,0 x 1,4 x 2,2			3,0 x 1,4 x 2,2		
V - Length x width x height ³⁾	m	3,0 x 1,4 x 3,5			3,0 x 1,4 x 3,5				3,0 x 1,4 x 3,8			3,0 x 1,4 x 4,0		
Max. mold weight ⁴⁾	kg	600			600				600			600		
Min. mold diameter	mm	250			250				250			250		

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

