

Technical Data

Machine model	22 D 22 M 22 DV/MV							25 D 25 M					50 T2 50 M				80 T2 80 M						
	220-52							250-52				250-75 (standard)			500-183				805-308				
Screw diameter	mm	16	18	22	24	28	32	16	18	22	24	24	28	32	28	32	38	42	36	42	48		
Screw-L/D-ratio		20	20	17,5	16	13,5	12	20	20	17,5	16	223	19	16,6	20,5	18	15	13,6	23	20	17		
Max. stroke volume (theoretical)	cm ³	16	20	30	36	49	64	16	20	30	36	41	55	72	73,9	96,5	136,1	166,3	147,6	200,9	262,4		
Max. shot weight in PS	g	14	18	27	32	44	57	14	18	27	32	36	49	64	66	86	121	148	132	179	234		
Injection force	kN	65,82							65,82 ^a				83			152				212,3			
Max. spec. injection pressure	bar	3320	2587	1732	1455	1069	818	3320 ^a	2587 ^a	1732 ^a	1455 ^a	1810	1340	1030	2470	1891	1341	1098	2085	1532	1173		
Plasticising capacity	g/s	1,0	1,8	3,7	5,4	6,6	7,1	1,0	1,8	3,7	5,4	4,3	6,4	7,0	9,72	13,33	17,77	20	21	28	37		
Max. screw stroke	mm	80							80				90			120				145			
Nozzle force	kN	48							48				48			66				65,3			
Nozzle retraction stroke	mm	180							180				180			210				250			
Screw torque	Nm	115	185	220/360				115	185	220/360			240/400			360-430				580-680			
Screw speed (continuously variable)	rpm	10-800	10-500	10-250 (alternatively) 10-400 (standard)				10-800	10-500	10-250 (alternatively) 10-400 (standard)			10-250 (standard) 10-400 (alternatively)			10-314				10-310			
Screw pullback force	kN	22,8							22,8				22,8			13,2 (26,4)				23,1 (46,2)			
Cylinder heating power	W	22 M		3x760+280					M		3x760+280			3x1280+400			3x1950+450				3x3205+520		
		22 D		1330+1120+280					D		1330+1120+280												
Nozzle heating power	W	275							130				130			200				250			
Hopper capacity	litres	13							13				20			58				58			
Clamping unit																							
Clamping force	kN	220							251				251			500				805			
Clearance between bars	mm	254							254 x 254				254 x 254			335 x 305 (h x v)				410 x 358 (h x v)			
Max. platen daylight	mm	400							400				400			600				680			
Max. opening stroke (adjustable)	mm	200							200				200			350				430			
Min. mould height	mm	200							200				200			250				250			
Mould opening force	kN	40							33				33			50,2				60,3			
Mould closing force	kN	17,6							24				24			25,7				32,5			
Ejector stroke (max.)	mm	80							80				80			80 (130) (150)				130 (150)			
Ejector force pushing/pulling	kN	18,1 / 12							20,3/13,5				20,3/13,5			18,1 / 12 (18,1/12)(38/26,7)				18,1 / 12 (38/26,7)			
General																							
Dry cycle (EUROMAP)	min ⁻¹	43							45				45			38				28			
Installed driving power	kW	5,5							7,5				7,5			11				15			
Installed total power	kW	8,5							10,5				11,7			17,5				25,4			
Hydraulic system pressure	bar	160							180				180			160				160			
Oil tank capacity	litres	115 / 105 ¹⁾							115				115			215				290			
Dimensions and weights																							
		22 D/M	22DVV/MVV				22DVH/MVH																
Length of machine	mm	2423	1885				1990	2420					2420				3415			4145			
Width of machine	mm	810	810				810	810					810				1030			1220			
Height of machine	mm	1620	2950				1913 ³⁾	1825					1880				2000			2075			
Total weight net (without oil)	kg	820	900				880	1020					1020				2270			3250			
Total weight gross (without oil)	kg	940	1170				1105	1140					1140				2510			3630			
Length of case	mm	2300	2050				2130	2400					2400				3630			3980			
Width of case	mm	1200	1030				1050	960					960				1150			1330			
Height of case	mm	1600	2780				2030	1700					1700				1895			2000			

¹⁾ VV-+ VH-Machine ²⁾ Vertical injection 2590
³⁾ with opened safety gate ⁴⁾ Injection pressure 160 bar