

Technical Data

Machine model	12 M		22 D 22 M 22 DV/MV				30 D 30 M			50 T2 50 M				80 T2 80 M					
	129-11	129-18	220-52				300-75 <small>(also available with injection unit 52)</small>			500-183				805-308					
Screw diameter	mm/in	14/55	18/71	16/63	18/71	22/87	24/95	28/11	32/126	24/95	28/11	32/126	28/11	32/126	38/15	42/165	36/142	42/165	48/189
Screw L/D-ratio		18	20	20	20	175	16	13,5	12	22,3	19	16,6	20,5	18	15	13,6	23	20	17
Max. stroke volume (theoretical)	in ³	0,38	0,62	0,98	1,22	1,83	2,2	2,99	3,9	2,5	3,36	4,39	4,15	5,89	8,3	10,25	9,01	12,26	16,01
Max. shot weight in PS	oz	0,20	0,33	0,5	0,63	0,95	1,13	1,55	2,01	1,27	1,73	2,26	2,33	3,03	4,27	5,22	4,66	6,31	8,25
Injection force	US Tons	3,11	5,17	74				9,33			1708				23,86				
Max. spec. injection pressure	psi	26.107	26.034	48.152	37.521	25.120	21.103	15.504	11.864	26.251	19.435	14.938	35.874	27.426	19.449	15.925	30.240	22.219	17.012
Max. screw stroke	mm/in	40/1,58		80/3,15				90/3,54			120/4,72				145/5,71				
Nozzle force	US Tons	4,04		5,39				5,39			7,42				7,34				
Nozzle retraction stroke	mm/in	180/7,09		180/7,09				180/7,09			210/8,27				250/9,84				
Screw torque	ft./lbs	max. 184,35		84,8 136,5 162,3/265,5				177/295			265,5/312,2				4278/5015				
Screw speed		max. 300		10-250 (alternatively)				12-250 (standard)			10-314				10-310				
(continuously variable)	rpm	max. 300		10-800 10-500 10-400 (standard)				12-400 (alternatively)			10-314				10-310				
Screw pullback force	US Tons	3,85		2,56				2,56			1,48 (2,97)				2,6 (5,19)				
Cylinder heating power	W	Ø14 2x472+858+465		22 M 3x760+280				3x1280+400			3x1950+450				3x3205+520				
		Ø18 2x690+1263+465		22 D 1330+1120+280															
Nozzle heating power	W	510		275				130			200				250				
Hopper capacity	lbs	9,81		17				35			88				88				
Clamping unit																			
Clamping force	US Tons	1419		24,2				33,7			55				805				
Clearance between bars	mm/in	259/10,20		254/10				280 x 254/11 x 10			335x305/13,19x12,01 (hsv)				410x358/16,14x14,09 (hsv)				
Max. platen daylight	mm/in	300/11,81		400/15,75				500/19,69			600/23,62				680/26,77				
Max. opening stroke (adjustable)	mm/in	200/7,87		200/7,87				300/11,81			350/13,78				430/16,93				
Min. mold height	mm/in	100/3,94		200/7,87				200/7,87			250/9,84				250/9,84				
Mold opening force	US Tons	2,58		4,49				3,71			5,64				6,78				
Mold closing force	US Tons	1,69		1,98				2,7			2,89				3,65				
Ejector stroke (max)	mm/in	30/118		80/3,15				80/3,15			80 (130) (150)/3,15 (5,12) (5,91)				130 (150)/5,12 (5,91)				
Ejector force pushing/pulling	US Tons	1,51/1,01		2,03/1,35				2,02/1,35			2,03/1,35 (4,27/3)				2,03 / 1,35 (4,27/3)				
General																			
Dry cycle (EUROMAP)	min ⁻¹	44		43				42			38				31				
Installed motor power	kW	5,5		5,5				7,5			11				15				
Installed total power	kW	8,76		8,5				11,7			17,5				25,4				
Hydraulic system pressure	psi	2321		2321				2611			2321				2321				
Oil tank capacity	US gal.	30,38		30,38/2774 ¹				30,38			56,8				76,61				
Dimensions and weights																			
Length of machine	in	88,42		95,39				74,21			78,35				97,04				
Width of machine	in	31,89		31,89				31,89			31,89				33,86				
Height of machine	in	63,23		63,78 ²				116,14			75,32 ²				74,80				
Total weight net (without oil)	lb	1698		1808				1984			1940				2536				
Total weight gross (without oil)	lb	1940		2072				2579			2436				2866				
Length of case	in	ca. 86,61		90,55				80,71			83,86				94,49				
Width of case	in	ca. 39,86		47,24				40,55			41,34				47,24				
Height of case	in	ca. 63		63				109,45			79,92				67,73				

¹) VV-+ VH-Machine
²) with opened safety gate

¹) Vertical injection 2590
²) Injection pressure 160 bar

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