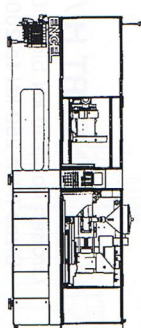


E-MOTION

Größen von 550 kN bis 1800 kN
Sizes from 550 kN to 1800 kN



Größenbezeichnung ¹		Internat.size designation ¹	
Machine designations			
Injection unit			
Screw diameter	mm	18/22	25/30
Screw stroke	mm	100	120
Max. injection capacity	cm ³	25/38	58,9/84,8
Screw speed	min ⁻¹	400	380
L/D ratio (3-zone screw)		22,5/18,7	24,8/20,5
Recovery rate (3-zone screw) ^{2,3,4}	g/sec	3,1/6,6	9,35/13,5
L/D ratio (barrier screw) ⁵			
Recovery rate (barrier screw) ^{5,6}	g/sec		
Injection rate (regenerative) ⁶	cm ³ /sec	41/61	78/113
Injection pressure (regenerative)	bar	2200/2000	2400/2000
Injection pressure (max)	bar		
Nozzle stroke • Nozzle cont. pressure	mm • kN	600 • 14	600 • 14
Heating wattage ⁷	kW	5,45	6,95
Heating zones incl. nozzle ⁷		4	4
Clamping unit			
Clamping force	kN	550	550
Opening stroke	mm	270	270
mold height min-max	mm	150 - 350	150 - 350
Total day light max.	mm		
Platen size hor. x vert.	mm	620 x 500	620 x 500
Enlarged platen hor. x vert.	mm		
Dist. between tie bars hor. x vert.	mm		
Drop out chute width	mm	410	410
Mold weight max. ⁸	kg	450	450
Number of mold cooling circuits	# x l/min	6 x 10	6 x 10
Ejector stroke • Ejector force	mm • kN	100 • 23	100 • 23
Dry cycle (Euromap 6) • stroke	sec • mm	1,3 • 200	1,3 • 200
Drive			
Rated drive power	kW	20*	22*
Oil reservoir capacity	l		
Weight and Dimensions			
Net clamp./injec. unit (without oil fill.)	to	5,9	10,5
Length x width x height	m	4,5 x 1,7 x 2,2	5,0 x 1,7 x 2,2
ENGEL Robot			

550-80	550-200	1000-310	1000-440	1500-440	1500-740	1800-740
EM 80/55	EM 200/55	EM 310/100	EM 440/100	EM 440/150	EM 740/150	EM 740/180
80	200	310	440	440	440	440
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* Anschlussleistung
* Rated drive power

¹ Clamp force [kN] - Injection capacity [cm³]
² Data for HDPE (MMR 190/2,16 = 5 cm³/10 min) from injection unit 3550 onward
³ Data for PP (MMR 230/2,16 = 12 cm³/10 min) for Tecomet machines acc. ETR 10100
⁴ Data for HDPE (MMR 190/2,16 = 5 cm³/10 min) acc. ETR 10100
⁵ Theoretical values
⁶ for 3-zone screw length
⁷ max. 2/3 of max mold weight allowed on moving platen
⁸ Option