



Machine designation		EM 740/150 EM 740/165 US	EM 740/180 EM 740/200 US	EM 740/225 T EM 940/250 T US	EM 740/280 T EM 740/300 T US
Weight	to	16.0	16.0	13.0	14.5
	US tons	17.63	17.63	14.33	15.98
Length L	mm	6319	6319	---	---
	inches	248.78	248.78	---	---
Length L1 <sup>1</sup>	mm	---	---	6350	7050
	inches	---	---	250.00	277.56
Length L2 <sup>2</sup>	mm	---	---	---	---
	inches	---	---	---	---
Height	mm	2230	2230	2260	2375
	inches	87.80	87.80	88.98	93.50
Total power	kW	62 / 62	62 / 62	73 / 73	79 / 79
	hp	83.14 / 83.14	83.14 / 83.14	97.89 / 97.89	105.90 / 105.90
Connected current <sup>3</sup>	A	102 / 102	102 / 102	117 / 117	126 / 126
	Standard / High				

1. Floor plan area
2. max. space required at largest standard cylinder (L/D 20)
3. At voltage 3x400V, 50Hz

International size designation <sup>1</sup>			740/...				
			Standard		High		
Screw diameter	mm	45	50	55	45	50	55
	inches	1.77	1.97	2.17	1.77	1.97	2.17
Screw stroke	mm	200	200	200	200	200	200
	inches	7.87	7.87	7.87	7.87	7.87	7.87
Injection capacity	cm <sup>3</sup>	318	392	475	318	392	475
	in <sup>3</sup>	19.41	23.92	28.99	19.41	23.92	28.99
Screw speed	min-1	300	300	300	300	300	300
	rpm						
L/D ratio (3-zone screw)	L/D	20	20	20	20	20	20
Recovery rate (3-zone screw) <sup>2</sup>	g/sec	31	43	56	31	43	56
	oz/sec	1.09	1.52	1.98	1.09	1.52	1.98
L/D ratio (barrier screw)	L/D	24	24	24	24	24	24
Recovery rate (barrier screw) <sup>3</sup>	g/sec	-	-	-	-	-	-
	oz/sec						
Injection rate	cm <sup>3</sup> /sec	254	314	380	350	432	523
	in <sup>3</sup> /sec	15.50	19.16	23.19	31.36	26.36	31.92
Injection pressure (regenerative)	bar	2290	1850	1530	2090	1690	1400
	psi	33214	26832	22191	30313	24511	20305
Nozzle stroke	mm	400	400	400	400	400	400
	inches	15.75	15.75	15.75	15.75	15.75	15.75
Nozzle contact force	kN	50	50	50	50	50	50
	US tons	5.62	5.62	5.62	5.62	5.62	5.62
Heating wattage	kW	13.3	15.3	16.3	13.3	15.3	16.3
	hp	17.8	20.5	21.9	17.8	20.5	24.9
Number of heating zones incl. nozzle		5	5	5	5	5	5
Hopper capacity	l	80	80	80	80	80	80
	lbs	88.2	88.2	88.2	88.2	88.2	88.2

1. Injection capacity [cm<sup>3</sup>] x Injection pressure max. [bar] / 1000

2. Werte für Polystyrol (nach ENGEL Werksnorm ETR 10100), abhängig vom Material und Verarbeitungsbedingungen

3. Values for HDPE (according to ENGEL factory standard ETR 10100)