



Machine designation		EM 940 / 180 EM 940 / 200 US	EM 940 / 225 T EM 940 / 250 T US	EM 940 / 280 T EM 940 / 300 T US
Weight	to	16.0	13.0	14.5
	US tons	17.63	14.33	15.98
Length L	mm	6319	---	---
	inches	248.78	---	---
Length L ¹	mm	---	6350	7050
	inches	---	250.00	277.56
Length L ²	mm	---	6495	---
	inches	---	255.11	---
Height	mm	2230	2260	2375
	inches	87.80	88.98	93.50
Total power	kW	73 / 73	83 / 83	88 / 88
	hp	97.89 / 97.89	111.31 / 111.31	118.01 / 118.01
Connected current ³	A	112 / 112	126 / 126	115 / 115
	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 ¹			940/...				
			Standard		High		
Screw diameter	mm	50	55	60	50	55	60
	inches	1.97	2.17	2.36	1.97	2.17	2.36
Screw stroke	mm	220	220	220	220	220	220
	inches	8.66	8.66	8.66	8.66	8.66	8.66
Injection capacity	cm ³	432	522	622	432	522	622
	in ³	19.41	23.96	37.96	19.41	23.96	37.96
Screw speed	min-1	267	267	267	267	267	267
	rpm						
L/D ratio (3-zone screw)	L/D	20	20	20	20	20	20
Recovery rate (3-zone screw) ²	g/sec	38	50	63	38	50	63
	oz/sec	1.34	1.76	2.22	1.34	1.76	2.22
L/D ratio (barrier screw)	L/D	-	-	-	-	-	-
Recovery rate (barrier screw) ³	g/sec	-	-	-	-	-	-
	oz/sec						
Injection rate	cm ³ /sec	275	333	396	363	439	523
	in ³ /sec	16.78	20.32	24.17	22.15	26.79	31.92
Injection pressure (regenerative)	bar	2200	1810	1520	1880	1550	1300
	psi	31908	26252	22046	27267	22481	18855
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	15.3	16.3	18.3	15.3	16.3	18.3
	hp	20.5	21.9	24.5	20.5	21.9	24.5
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 [cm³] 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)