



Machine designation	Weight injection unit		L4		L5		H		H4	
	to	US tons	mm	in	mm	in	mm	in	mm	in
CLASSIC 11050 / 800, 900										
CLASSIC 11050 / 880 US, 1000 US	18	19.8	5540	218	600	24	2415	95	1705	67
DUO 11050 / 800, 900										
DUO 11050 / 900 US, 1000 US	18	19.8	5540	218	700	28	2415	95	1705	67
DUO 11050 / 1000, 1100										
DUO 11050 / 1100 US, 1250 US	18	19.8	5540	218	700	28	2550	100	1840	72
DUO 11050 / 1300, 1500										
DUO 11050 / 1400 US, 1650 US	18	19.8	5540	218	950	38	2640	104	1930	76
DUO 11050 / 1700										
DUO 11050 / 1900 US	18	19.8	5540	218	950	38	2770	109	2060	81
DUO 11050 / 2000, 2300										
DUO 11050 / 2200 US, 2500 US	18	19.8	5540	218	1100	43	2940	116	2230	88

Speed-controlled electric screw drive (Option)		Normal	Increased rpm	Increased torque
		Power	kW	97
	hp	130	146	130
RPM	min ⁻¹	120	140	85
Torque	Nm @ 60% ED	8600	8600	12300
	lb _r -ft @ 60% Duty	6300	6300	9100
Cooling water consumption	m ³ /h	1.4	1.4	1.4
	US gal/min	6.2	6.2	6.2

Engel Machine Designation		Standard 11050/...			Increased drive power 11050/...		
		11400	13000	13000	11400	13000	13000
International size designation^a							
Screw diameter	mm	105	120	135	105	120	135
	inches	4.13	4.72	5.31	4.13	4.72	5.31
Screw stroke	mm		570				
	inches		22.4				
Injection capacity	cm ³	4940	6450	8160			
	in ³	302	394	498			
Shotweight (max.)	g (HDPE)	3560	4640	5880			
	oz (HDPE)	125	164	207			
	g (PS)	4540	5930	7510			
	oz (PS)	160	209	265			
Screw torque @ speed	Nm @ min ⁻¹		8700 @ 120		8700 @ 140		
	lb _r -ft @ rpm		6400 @ 120		6400 @ 140		
L/D ratio (3-zone screw)			20				
Recovery rate (3-zone screw) ^b	g/sec	85	122	166	99	142	193
	oz/sec	3	4.3	5.9	3.5	5	6.8
L/D ratio (barrier screw)			22				
Recovery rate (barrier screw) ^b	g/sec	136	191	256	159	223	299
	oz/sec	4.8	6.7	9	5.6	7.9	10.5
Injection rate ^c	cm ³ /sec	760	990	1255	905	1180	1495
	in ³ /sec	46.3	60.4	76.6	55.2	72.0	91.2
Injection rate (at max. pressure) ^c	cm ³ /sec	555	725	915	660	865	1095
	in ³ /sec	33.9	44.2	55.8	40.3	52.8	66.8
Injection pressure (regenerative)	bar	1930	1480	1170			
	psi	28000	21500	17000			
Injection pressure (max.)	bar	2300	2020	1600			
	psi	33350	29300	23200			
Nozzle contact pressure	kN		150				
	US tons		16.9				
Rated drive power	kW		130		165		
	hp		175		220		
Heating wattage	kW (L/D=20)	68	80	88			
	kW (L/D=22)	75	88	97			
Total power ^d		kW	206	218	226	241	253
Current requirement	A @ 400V	350	367	379	415	432	444
	A @ 460V	300	313	323	355	370	380
Hopper capacity	liters		100				
	lbs/kg		110/50				
Water consumption oil cooler 25°C / 77°F	m ³ /h		8.1				
	US gal/min		36				
Oil reservoir capacity	liters		1800				
	US gal		476				

- a. Injection capacity [cm³] x Injection pressure max. [bar] / 1000
- b. Data for HDPE (MVR 190/2,16=5cm³/10min) acc. ETR 10100
- c. Theoretical values
- d. Hydraulic motors + filter pump + heat