



* Also applies to increased drive power option;
4190/165" at DUO

Machine designation	Weight		L4		L5		H		H4	
	to	US tons	mm	in	mm	in	mm	in	mm	in
ES 5550 / 500, 600 HL										
ES 5550 / 550 TL US, 660 TL US	10	11	4260	168	700	28	2565	98	1875	74
CLASSIC 5550 / 550, 600										
CLASSIC 5550 / 610 US, 660 US	10	11	4360	172	600	24	2385	87	1695	67
CLASSIC 5550 / 650, 750										
CLASSIC 5550 / 720 US, 830 US	10	11	4360	172	600	24	2385	87	1695	67
CLASSIC 5550 / 800, 900										
CLASSIC 5550 / 880 US, 1000 US	10	11	4360	172	600	24	2385	91	1695	67
CLASSIC 5550 / 1000, 1200										
CLASSIC 5550 / 1100 US, 1300 US	10	11	4460	176	700	28	2385	91	1695	67
DUO 5550 / 650, 700										
DUO 5550 / 720 US, 770 US	10	11	4360	172	600	24	2385	91	1695	67
DUO 5550 / 800, 900										
DUO 5550 / 900 US, 1000 US	10	11	4190	165	700	28	2385	91	1695	67
DUO 5550 / 1000, 1100										
DUO 5550 / 1100 US, 1250 US	10	11	4190	165	700	28	2520	96	1830	72

Speed-controlled electric screw drive (Option)		Normal	Increased rpm	Increased torque
		Power	kW	75
	hp	100	130	100
RPM	min ⁻¹	148	196	117
Torque	Nm @ 60% ED	5700	5700	7200
	lb _r -ft @ 60% Duty	4200	4200	5300
Cooling water consumption	m ³ /h	1.3	1.4	1.3
	US gal/min	5.7	6.2	5.7

Engel Machine Designation		Standard 5550/...			Increased drive power- capacity 5550/...		
		5000	6000	6000	5000	6000	6000
International size designation ^a							
Screw diameter	mm	80	90	105	80	90	105
	inches	3.15	3.54	4.13	3.15	3.54	4.13
Screw stroke	mm		430				
	inches		17				
Injection capacity	cm ³	2160	2740	3720			
	in ³	132	167	227			
Shotweight (max.)	g (HDPE)	1560	1970	2680			
	oz (HDPE)	55	69	95			
	g (PS)	1990	2520	3420			
	oz (PS)	70.1	88.9	121			
Screw torque @ speed	Nm @ min ⁻¹			5700 @ 148			5700 @ 196
	lb _r -ft @ rpm			4200 @ 148			4200 @ 196
L/D ratio (3-zone screw)	L/D		20				
Recovery rate (3-zone screw) ^b	g/sec	51	77	105	68	96	139
	oz/sec	1.8	2.7	3.7	2.4	3.4	4.9
L/D ratio (barrier screw)	L/D		24				
Recovery rate (barrier screw) ^b	g/sec	92	124	183	122	164	242
	oz/sec	3.2	4.4	6.5	4.3	5.8	8.5
Injection rate ^c	cm ³ /sec	450	560	760	600	755	1025
	in ³ /sec	27.5	34.2	46.4	36.6	46.1	62.5
Injection rate (at max. pressure) ^c	cm ³ /sec	390	495	675	525	660	900
	in ³ /sec	24	30	41	32	40	55
Injection pressure (regenerative)	bar	2300	1910	1400			
	psi	33400	27700	20300			
Injection pressure (max.)	bar	2300	2180	1600			
	psi	33400	31600	23200			
Nozzle contact pressure	kN		150				
	US tons		16.9				
Rated drive power	kW		90			110	
	hp		120			150	
Heating wattage	kW (L/D=20)	48	56	64			
	kW (L/D=24)	58	67	77			
Total power ^d	kW	142	150	158	162	170	178
Current requirement	A @ 400V	242	253	265	275	286	298
	A @ 460V	210	220	230	239	249	259
Hopper capacity	liters		100				
	lbs/kg		110/50				
Water consumption oil cooler 25°C / 77°F	m ³ /h		8.3				
	US gal/min		37				
Oil reservoir capacity	liters		1000				
	US gal		265				

- 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