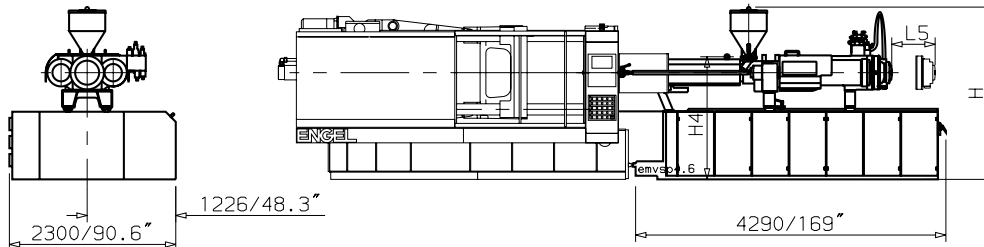


Machine designation	Weight total		L4		L5		H		H4	
	to	US tons	mm	in	mm	in	mm	in	mm	in
CLASSIC 3550 / 350, 420										
CLASSIC 3550 / 390US, 460US	23.5	26	4740	183	500	24	2450	96	1755	69
CLASSIC 3550 / 500										
CLASSIC 3550 / 550US	28.5	31	4740	183	500	24	2560	101	1870	74



Machine designation	Weight Injection unit		L5		H		H4	
	to	US tons	mm	in	mm	in	mm	in
ES 3550 / 500, 600 HL								
ES 3550 / 550 TL US, 660 TL US	10	11	700	28	2565	101	1875	74
CLASSIC 3550 / 550, 600								
CLASSIC 3550 / 610 US, 660 US	10	11	600	24	2385	94	1695	67
CLASSIC 3550 / 650, 750								
CLASSIC 3550 / 720 US, 830 US	10	11	600	24	2385	94	1695	67
DUO 3550 / 650, 700								
DUO 3550 / 720 US, 770 US	10	11	600	24	2385	94	1695	67

Speed-controlled electric screw drive (Option)		Normal	Increased rpm	Increased torque
		Power	kW	55
	hp	74	85	74
RPM	min ⁻¹	150	205	97
Torque	Nm @ 60% ED	3600	3600	5700
	lb _r -ft @ 60% Duty	2700	2700	4200
Cooling water consumption	m ³ /h	1.4	1.3	1.2
	US gal/min	6.1	5.7	5.3

Engel Machine Designation		Standard 3550/...			Increased drive power- capacity 3550/...		
		3500	4000	4000	3500	4000	4000
International size designation^a							
Screw diameter	mm	70	80	90	70	80	90
	inches	2.75	3.15	3.54	2.75	3.15	3.54
Screw stroke	mm		390				
	inches		15.4				
Injection capacity	cm ³	1500	1960	2480			
	in ³	91.5	120	151			
Shotweight (max.)	g (HDPE)	1080	1410	1790			
	oz (HDPE)	38	50	63			
	g (PS)	1380	1800	2280			
	oz (PS)	48.7	63.6	80.5			
Screw torque @ speed	Nm @ min ⁻¹		3600 @ 150		3600 @ 205		
	lb _r -ft @ rpm		2650 @ 150		2650 @ 205		
L/D ratio (3-zone screw)			22				
Recovery rate (3-zone screw) ^b	g/sec	37	52	74	50	71	101
	oz/sec	1.3	1.8	2.6	1.8	2.5	3.6
L/D ratio (barrier screw)			22				
Recovery rate (barrier screw) ^b	g/sec	61	86	116	83	118	159
	oz/sec	2.2	3	4.1	2.9	4.2	5.6
Injection rate ^c	cm ³ /sec	350	460	580	435	570	720
	in ³ /sec	21.4	28.1	35.4	26.5	34.8	43.9
Injection rate (at max. pressure) ^c	cm ³ /sec	295	385	485	370	485	615
	in ³ /sec	18	23.5	29.6	22.6	29.6	37.5
Injection pressure (regenerative)	bar	2250	1730	1360			
	psi	32600	25100	19700			
Injection pressure (max.)	bar	2300	2030	1600			
	psi	33400	29400	23200			
Nozzle contact pressure	kN		150				
	US tons		16.9				
Rated drive power	kW		55		75		
	hp		75		100		
Heating wattage		kW (L/D=22)	45	53	62		
Total power ^d		kW	103	111	120	123	140
Current requirement	A @ 400V	170	180	190	210	220	230
	A @ 460V	150	160	170	177	187	198
Hopper capacity	liters		100				
	lbs/kg		110/50				
Water consumption oil cooler 25°C / 77°F	m ³ /h		6.7				
	US gal/min		30				
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