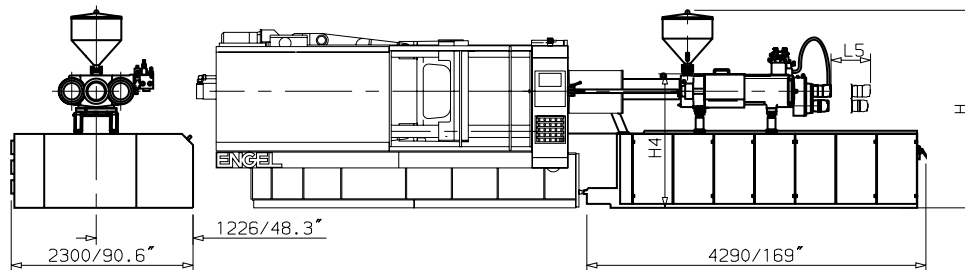


Machine designation	Weight total		L4		H		H4	
	to	US tons	mm	in	mm	in	mm	in
CLASSIC 2550 / 350, 420								
CLASSIC 2550 / 390US, 460US	20.5	22.6	4290	169	2565	101	1830	72
CLASSIC 2550 / 500								
CLASSIC 2550 / 550US	25.5	28	4290	169	2675	101	1940	76



Machine designation	Weight Injection unit		L5		H		H4	
	to	US tons	mm	in	mm	in	mm	in
ES 2550 / 500, 600 HL								
ES 2550 / 550 TL US, 660 TL US	7.5	8.3	650	26	2680	106	1945	77
CLASSIC 2550 / 550, 600								
CLASSIC 2550 / 610 US, 660 US	7.5	8.3	500	20	2505	99	1770	70
CLASSIC 2550 / 450 H TM								
CLASSIC 2550 / 500 US H TM	7.5	8.3	500	26	2505	99	1770	70
DUO 2550 / 650, 700								
DUO 2550 / 720 US, 770 US	7.5	8.3	600	24	2505	99	1770	70

Drehzahl geregelter elektromotorischer Schnek- kenantrieb (Option)			Normal	Increased rpm	Increased torque
Power	kW		55	55	55
		hp	74	74	74
RPM	min ⁻¹		183	205	160
Torque	Nm @ 60% ED		3100	3100	3600
	lb _r -ft @ 60% Duty		2300	2300	2700
Cooling water consumption	m ³ /h		0.8	0.9	0.8
	US gal/min		3.5	4.0	3.5

Engel Machine Designation		Standard 2550/...			Increased drive power- capacity 2550/...		
		2550	2550	2550	2550	2550	2550
International size designation ^a							
Screw diameter	mm	70	80	85	70	80	85
	inches	2.75	3.15	3.35	2.75	3.15	3.35
Screw stroke	mm	310					
	inches	12.2					
Injection capacity	cm ³	1190	1560	1760			
	in ³	72.8	95.1	107.3			
Shotweight (max.)	g (HDPE)	860	1120	1270			
	oz (HDPE)	30.3	39.6	44.7			
	g (PS)	1090	1440	1620			
	oz (PS)	38.6	50.6	57.1			
Screw torque @ speed	Nm	2100	3110	3110	2100	3110	3110
	@min ⁻¹	@183	@183	@183	@205	@205	@205
	lb _r -ft	1550	2290	2290	1550	2290	2290
	@rpm	@183	@183	@183	@205	@205	@205
L/D ratio (3-zone screw)		20					
Recovery rate (3-zone screw) ^b	g/sec	64	90	108	72	101	121
	oz/sec	2.3	3.2	3.8	2.5	3.6	4.3
L/D ratio (barrier screw)		24					
Recovery rate (barrier screw) ^c	g/sec	81	114	133	91	128	150
	oz/sec	2.9	4.0	4.7	3.2	4.5	5.3
Injection rate ^d	cm ³ /sec	366	478	540	435	568	641
	in ³ /sec	22.3	29.2	33.0	26.5	34.7	39.1
Injection rate (at max. pressure) ^d	cm ³ /sec	311	407	459	370	483	545
	in ³ /sec	19.0	24.8	28.0	22.6	29.5	33.3
Injection pressure (regenerative)	bar	1820	1400	1230			
	psi	26400	20300	17800			
Injection pressure (max.)	bar	2150	1640	1450			
	psi	31000	23800	21000			
Nozzle contact pressure	kN	110					
	US tons	12.4					
Rated drive power	kW	45 ^e				55	
	hp	60				75	
Heating wattage	kW (L/D=20)	29	34	36			
	kW (L/D=24)	35	41	43			
Total power ^f	kW	77	82	84	87	92	94
Current requirement	A @ 400V	132	139	142	147	154	157
	A @ 460V	113	120	122	129	136	138
Hopper capacity	liters	120					
	lbs/kg	130/60					
Water consumption oil cooler 25°C / 77°F	m ³ /h	2.6					
	US gal/min	11.4					
Oil reservoir capacity	liters	700/1000					
Frame one-piece / divided	US gal	185/265					

- a. Injection capacity [cm³] x Injection pressure max. [bar] / 1000
b. Values for polystyrene (MVR 200/5=10cm³/10min) according to ETR 10100
c. Data for HDPE (MVR 190/2,16=5cm³/10min) acc. ETR 10100
d. Theoretical values
e. only CLASSIC 350, 420 and 500 (incl. US construction), otherwise 55 kW drive power
f. Hydraulic motors + filter pump + heat