



* Also applies to increased drive power option

Machine designation	Weight		L5		H		H4	
	to	US tons	mm	in	mm	in	mm	in
DUO 35050 / 1700								
DUO 35050 / 1900 US	38	42	1100	43	3070	121	2110	83
DUO 35050 / 2000, 2300								
DUO 35050 / 2200 US, 2500 US	38	42	1100	43	3240	128	2280	90
DUO 35050 / 2500, 2700								
DUO 35050 / 2800 US, 3000 US	39	43	1300	51	3490	137	2530	100
DUO 35050 / 3000, 3200								
DUO 35050 / 3300US, 3500US	39	43	1300	51	3490	137	2530	100
DUO 35050 / 3600, 4000								
DUO 35050 / 4000 US, 4400 US	40	44	1500	59	3740	147	2780	109
DUO 35050 / 5000, 5500								
DUO 35050 / 5500 US, 6000 US	42	46	1750	69	4290	169	3330	131

Speed-controlled electric screw drive (Option)		Normal	Increased rpm	Increased torque
		Power	kW	160
	hp	215	275	215
RPM	min ⁻¹	85	100	60
Torque	Nm @ 60% ED	22400	23600	31000
	lb _f -ft @ 60% Duty	16500	17400	22900
Cooling water consumption	m ³ /h	1.6	1.7	1.6
	US gal/min	7.0	7.4	7.0

Engel Machine Designation		Standard 35050/...			Increased drive power- capacity 35050/...		
		35000	35000	35000	35000	35000	35000
International size designation ^a							
Screw diameter	mm	160	170	180	160	170	180
	inches	6.3	6.7	7.1	6.3	6.7	7.1
Screw stroke	mm		860				
	inches		33.9				
Injection capacity	cm ³	17290	19520	21880			
	in ³	1055	1191	1335			
Shotweight (max.)	g (HDPE)	12450	14050	15750			
	oz (HDPE)	440	496	556			
	g (PS)	15910	17960	20130			
	oz (PS)	561	633	710			
Screw torque @ speed	Nm @ min ⁻¹			22600 @85			23600 @100
	lb _r -ft @ rpm			16700 @85			17400 @100
L/D ratio (3-zone screw)			22				
Recovery rate (3-zone screw) ^b	g/sec	190	222	259	223	262	304
	oz/sec	6.7	7.8	9.1	7.9	9.2	10.7
L/D ratio (barrier screw)			22				
Recovery rate (barrier screw) ^b	g/sec	279	325	375	328	382	441
	oz/sec	9.8	11.5	13.2	11.6	13.5	15.6
Injection rate ^c	cm ³ /sec	1825	2060	2310	2200	2485	2785
	in ³ /sec	111	126	141	134	152	170
Injection rate (at max. pressure) ^c	cm ³ /sec	1395	1575	1765	1680	1900	2130
	in ³ /sec	85	96	108	103	116	130
Injection pressure (regenerative)	bar	1550	1370	1220			
	psi	22500	19900	17700			
Injection pressure (max.)	bar	2030	1800	1600			
	psi	29400	26100	23230			
Nozzle contact pressure	kN		210				
	US tons		24				
Rated drive power	kW		270			330	
	hp		362			443	
Heating wattage	kW (L/D=22)	152	164	195			
Total power ^d	kW	431	443	474	491	503	534
Current requirement	A @ 400V	728	746	791	824	842	887
	A @ 460V	638	653	692	722	737	775
Hopper capacity	liters		100				
	lbs/kg		110/50				
Water consumption oil cooler 25°C / 77°F	m ³ /h		13.2				
	US gal/min		58				
Oil reservoir capacity	liters		4000				
	US gal		1060				

- 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