



vcsp650_1050

Machine designation

VC 1050/130,150
VC 1050/140,165 US
VC 1050/130,150 PRO

VC 1050/180,200,220
VC 1050/200,220,240 US
VC 1050/180,200,220 PRO

		VC 1050/130,150 VC 1050/140,165 US VC 1050/130,150 PRO	VC 1050/180,200,220 VC 1050/200,220,240 US VC 1050/180,200,220 PRO
Weight	to	9.9	11.9
	US tons	11.1	13.12
Length	mm	5515 / 5835 ^a	6230
	inches	217.13 / 229.72 ^a	245.28
Height	mm	2189	2204
	inches	86.18	86.77
Oil reservoir capacity	l	450	610
	gal	118.9	161.2
Pump capacity	kW	30 / 30 / 37	30 / 30 / 37
Tech / Power / HV3	hp	40.2 / 40.2 / 49.6	40.2 / 40.2 / 49.6
Filter motor	kW	1.5 / 1.5 / 1.5	1.5 / 1.5 / 1.5
Tech / Power / HV3	hp	2.0 / 2.0 / 2.0	2.0 / 2.0 / 2.0
Total power	kW	50 / 50 / 57	50 / 50 / 57
Tech / Power / HV3	hp	67.1 / 67.1 / 76.4	67.1 / 67.1 / 76.4
Connected current	A	88 / 88 / 102	88 / 88 / 102
Tech / Power / HV3			

a. at screw diameter 55 mm, 60 mm / 2.17", 2.36"

Size designation ^a	1050/...						
		Tech / Power			HV3		
Screw diameter	mm	50	55	60	50	55	60
	inches	1.97	2.17	2.36	1.97	2.17	2.36
Screw stroke	mm		215			215	
	inches		8.46			8.46	
Injection capacity	cm ³	422	510	607	422	510	607
	in ³	25.75	31.12	37.03	25.75	31.12	37.03
Screw speed	min-1		230			320	
	rpm						
Screw length	L/D		20			20	
Plasticizing capacity ^b	g/sec	33	43	54	46	60	75
	oz/sec	1.16	1.51	1.90	1.92	2.11	2.64
Screw length barrier	L/D		24			24	
Plasticizing capacity barrier screw ^c	g/sec	44	55	69	61	77	96
	oz/sec	1.55	1.94	2.43	2.15		
Injection rate ^d	cm ³ /sec	211	255	304	290	350	417
	in ³ /sec	12.87	15.56	18.55	17.69	21.35	25.44
Injection rate (at max. pressure) ^d	cm ³ /sec	166	200	238	228	276	329
	in ³ /sec	10.13	12.20	14.52	13.91	18.84	20.07
Injection pressure (regenerative)	bar	1955	1615	1360	1955	1615	1360
	psi	28354	23278	19724	28354	23278	19724
Injection pressure (max.)	bar	2330	2050	1725	2330	2050	1725
	psi	33793	23932	25018	33793	23932	25018
Noz.str.	mm		350			350	
	inches		13.78			13.78	
Nozzle immersion depth Europe standard	mm		30			30	
Nozzle immersion depth North America standard	inches		1.38			1.38	
Nozzle immersion depth Asia standard	mm		30			30	
Nozzle contact force	kN		67			67	
	US tons		7.50			7.50	
Heating wattage	kW	15.3	16.3	18.3	15.3	16.3	18.3
	hp	20.52	21.86	24.54	20.52	21.86	24.54
Number of the heating zones incl. nozzle			5			5	
Hopper capacity	l		80			80	
	lbs		88.2			88.2	

a. Injection capacity [cm³] x Injection pressure max. [bar] / 1000

b. Values for polystyrene (MVR 200/5=10 cm³ /10 min according to ENGEL works standard ETR 10100)

c. Values for HDPE (MVR 190/2.16=5 cm³ /10 min according to ENGEL works standard ETR 10100)

d. Dependent on pump drive power