



vcsp650\_1050

### Machine designation

VC 750/130,150  
VC 750/140,165 US  
VC 750/130,150 PRO

VC 750/180, 200, 220  
VC 750/200,220,240 US  
VC 750/180,200,220 PRO

Machine designation		VC 750/130,150 VC 750/140,165 US VC 750/130,150 PRO	VC 750/180, 200, 220 VC 750/200,220,240 US VC 750/180,200,220 PRO
Weight	to	9.6	11.6
	US tons	10.8	12.79
Length	mm	5515	6230
	inches	117.13	245.28
Height	mm	2189	2204
	inches	86.16	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	48 / 48 / 55	48 / 48 / 55
Tech / Power / HV3	hp	64.4 / 64.4 / 73.8	64.4 / 64.4 / 73.8
Connected current	A	92 / 92 / 106	92 / 92 / 106
Tech / Power / HV3			

Size designation <sup>a</sup>	750/...						
		Tech / Power			HV3		
Screw diameter	mm	45	50	55	45	50	55
	inches	1.77	1.97	2.17	1.77	1.97	2.17
Screw stroke	mm	200			200		
	inches	7.87			7.87		
Injection capacity	cm <sup>3</sup>	318	392	475	318	392	475
	in <sup>3</sup>	19.40	23.92	28.98	19.40	23.92	28.98
Screw speed	min-1	230			320		
	rpm	230			320		
Screw length	L/D	20			20		
		20			20		
Plasticizing capacity <sup>b</sup>	g/sec	24	33	43	33	46	60
	oz/sec	0.85	1.16	1.55	1.16	1.62	2.12
Screw length barrier	L/D	24			24		
		24			24		
Plasticizing capacity barrier screw <sup>c</sup>	g/sec	34	44	55	47	61	77
	oz/sec	1.20	1.55	1.94	1.66	2.15	2.72
Injection rate <sup>d</sup>	cm <sup>3</sup> /sec	230	284	343	316	390	472
	in <sup>3</sup> /sec	14.04	17.33	20.93	19.28	23.82	28.80
Injection rate (at max. pressure) <sup>d</sup>	cm <sup>3</sup> /sec	171	211	255	236	291	353
	in <sup>3</sup> /sec	10.44	12.88	15.56	14.40	17.76	21.54
Injection pressure (regenerative)	bar	1760	1430	1180	1760	1430	1180
	psi	25520	20735	17110	25520	20735	17110
Injection pressure (max.)	bar	2360	1910	1580	2360	1910	1580
	psi	34220	27695	22910	34220	27695	22910
Noz.str.	mm	350			350		
	inches	13.78			13.78		
Nozzle immersion depth Europe standard	mm	30			30		
		30			30		
Nozzle immersion depth North America standard	inches	1.38			1.38		
		1.38			1.38		
Nozzle immersion depth Asia standard	mm	30			30		
		30			30		
Nozzle contact force	kN	67			67		
	US tons	7.50			7.50		
Heating wattage	kW	13.3	15.3	16.3	13.3	15.3	16.3
	hp	17.84	20.52	21.86	17.84	20.52	21.86
Number of the heating zones incl. nozzle		5			5		
		5			5		
Hopper capacity	l	80			80		
	lbs	88.2			88.2		

a. Injection capacity [cm<sup>3</sup>] x Injection pressure max. [bar] / 1000

b. Values for polystyrene ( MVR 200/5=10 cm<sup>3</sup> /10 min according to ENGEL works standard ETR 10100)

c. Values for HDPE ( MVR 190/2.16=5 cm<sup>3</sup> /10 min according to ENGEL works standard ETR 10100)

d. Dependent on pump drive power