



vcsp80_200

Machine designation	VC 200/35, 45		VC 200/60, 70, 80		VC 200/90, 110, 120	
	VC 200/35, 45 PRO		VC 200/65, 75, 85 US VC 200/60, 70, 80 PRO		VC 200/100, 120, 130 US VC 200/90, 110, 120 PRO	
Weight	to	3.3	5.2	7.2		
	US tons	3.6	5.7	7.94		
Length	mm	3300	3910	4360		
	inches	129.92	153.94	171.65		
Height	mm	1800	2043 / 2133 ^a	2043 / 2133 ^a		
	inches	70.87	80.43 / 83.98 ^a	80.43 / 83.98 ^a		
Oil reservoir capacity	l	115	185	300		
	gal		48.9	79.3		
Pump capacity	kW	11 / - / -	15 / 15 / 18.5	15 / 18.5 / 18.5		
	Tech / Power / HV3 hp		20.1 / 20.1 / 24.8	20.1 / 24.8 / 24.8		
Filter motor	kW	- / - / -	- / - / -	- / - / -		
	Tech / Power / HV3 hp					
Total power	kW	18 / - / -	22 / 22 / 25.5	22 / 25.5 / 25.5		
	Tech / Power / HV3 hp		28.2 / 28.2 / 34.2	28.2 / 34.2 / 32.2		
Connected current	A	34 / - / -	40 / 40 / 47	40 / 47 / 47		
	Tech / Power / HV3					

a. VC 200/65, 75, 85, 100, 120, 130 US

Size designation ^a	200/...						
		Tech / Power			HV3		
Screw diameter	mm	25	30	35	25	30	35
	inches	0.98	1.18	1.38	0.98	1.18	1.38
Screw stroke	mm		140			140	
	inches		5.51			5.51	
Injection capacity	cm ³	69	99	135	69	99	135
	in ³	4.21	6.04	8.24	4.21	6.04	8.24
Screw speed	min-1 rpm		480			550	
Screw length	L/D	24.8	20.5	17.3	24.8	20.5	17.3
Plasticizing capacity ^b	g/sec	12	17	24	13.75	19.48	27.5
	oz/sec	0.42	0.60	0.84	0.48	0.69	0.97
Screw length barrier	L/D	24.8	20.5	-	24.8	20.5	-
Plasticizing capacity barrier screw ^c	g/sec	14	20	-	16	22.92	-
	oz/sec	0.49	0.70	-	0.56	0.81	-
Injection rate ^d	cm ³ /sec	104	150	204	128	184	251
	in ³ /sec	6.35	9.15	12.45	7.81	11.23	15.31
Injection rate (at max. pressure) ^d	cm ³ /sec	68	99	134	84	121	165
	in ³ /sec	4.15	6.04	8.18	5.12	7.38	10.07
Injection pressure (regenerative)	bar	2090	1450	1065	2090	1450	1065
	psi	30305	21025	15443	30305	21025	15443
Injection pressure (max.)	bar	2400	2210	1620	2400	2210	1620
	psi	34800	32045	23490	34800	32045	23490
Noz.str.	mm		200			200	
	inches		7.87			7.87	
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		28			28	
	US tons		3.15			3.15	
Heating wattage	kW		6.8			6.8	
	hp		9.1			9.1	
Number of the heating zones incl. nozzle			4			4	
Hopper capacity	l		34			34	
	lbs		37.5			37.5	

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