

MDVR 55

Specifications

Vertical Clamp / Vertical Injection

Item		Unit	MDVR 55		
Clamping Unit	Clamping System	–	Double Toggle		
	Clamping Force	kN (USt)	500 (56.20)		
	Location Hole Diameter	(inch)	4		
	Machine Configuration	–	Three Tie Bars		
	Table Type	–	Oscillating		
	Max. Mold Open Stroke	mm (inch)	200 (7.87)		
	Mold Height: Min. / Max.	mm (inch)	200 / 300 (7.87 / 11.81)		
	Daylight	mm (inch)	500 (19.69)		
	Ejector Stroke	mm (inch)	60 (2.36)		
	Max. Mold Size	mm (inch)	330 X 330 (12.99 x 12.99)		
	Table Diameter	mm (inch)	1060 (41.73)		
	# of Stations	–	1 top, 2 bottom		
	Ejector Force	kN (USt)	16 (1.80)		
Injection Unit	Injection Unit	T•m	i 0.9		
	Screw Type	–	Y	A	B
	Screw Diameter	mm (inch)	*18 (0.71)	25 (0.98)	30 (1.18)
	Screw Stroke	mm (inch)	85 (3.35)		
	Theoretical Shot Volume	cm ³ (cu.in)	22 (1.34)	42 (2.56)	60 (3.66)
	Shot Mass	g (oz)	20 (0.71)	38 (1.34)	55 (1.94)
	Max. Injection Pressure	MPa (PSI)	280 (40610)	215 (31180)	150 (21760)
	Max. Holding Pressure	MPa (PSI)	270 (39160)	195 (28280)	135 (19580)
	Max. Injection Speed	mm/s (inch/s)	150 (5.91)		
	Injection Rate	cm ³ /s (cu.in/s)	38 (1.32)	74 (4.52)	106 (6.47)
	Screw Speed	RPM	240		
	Plasticizing Capacity	kg/h (oz/s)	6 (0.06)	18 (0.18)	29 (0.28)
	Nozzle Stroke	mm (inch)	210 (8.27)		
	Nozzle Touch Force	TONS	2.02		
	Automatic Temperature Control Zone	–	1G + 3		
Heater Capacity	kW	2.99	3.50	4.19	
Others	Machine kVA	kVA	18		
	Machine Mass	t (USt)	4 (4.4)		
	Machine Size	L	2.25 (88.58)		
		W	1.35 (53.15)		
		H	3.07 (120.87)		

Notes: * "Y" size screws are option.
Specifications are subject to change without notice. (03-03)