

MDVR 165 TY

Specifications

Vertical Clamp / Horizontal Injection

Item		Unit	MDVR 165 TY		
Clamping Unit	Clamping System	–	Double Toggle		
	Clamping Force	kN (USt)	1500 (169)		
	Location Hole Diameter	(inch)	4		
	Machine Configuration	–	Three Tie Bars		
	Table Type	–	Oscillating		
	Max. Mold Open Stroke	mm (inch)	300 (11.81)		
	Mold Height: Min. / Max.	mm (inch)	300 / 400 (11.81 / 15.75)		
	Daylight	mm (inch)	700 (27.56)		
	Ejector Stroke	mm (inch)	100 (3.94)		
	Max. Mold Size	mm (inch)	450 X 500 (17.72 x 19.69)		
	Table Diameter	mm (inch)	1550 (61.02)		
	# of Stations	–	2		
	Ejector Force	kN (USt)	45 (5.06)		
	Injection Unit	Injection Unit	T•m	i 6.5	
Screw Type		–	Y	A	B
Screw Diameter		mm (inch)	40 (1.57)	45 (1.77)	52 (2.05)
Screw Stroke		mm (inch)	205 (8.07)		
Theoretical Shot Volume		cm ³ (cu.in)	258 (15.74)	326 (19.89)	435 (26.55)
Shot Mass		g (oz)	287 (8.36)	300 (10.58)	400 (14.14)
Max. Injection Pressure		(PSI)	36260	29010	22480
Max. Holding Pressure		(PSI)	36260	26110	19580
Max. Injection Speed		mm/s (inch/s)	300 (11.81)		
Injection Rate		cm ³ /s (cu.in/s)	378 (23.0)	476 (29.0)	635 (38.8)
Screw Speed		RPM	400		
Plasticizing Capacity		kg/h (oz/s)	113 (1.11)	148 (1.45)	228 (2.23)
Nozzle Stroke		mm (inch)	400 (15.75)		
Nozzle Touch Force		TONS	4.5 u.s.		
Automatic Temperature Control Zone		–	4		
Heater Capacity		kW	11.19	14.19	14.19
Others	Machine kVA	kVA	59		
	Machine Mass	t (USt)	12 (13.2)		
	Machine Size	L	m (inch) 4430 (174.4)		
		W	m (inch) 1849 (72.8)		
		H	m (inch) 2477 (97.5)		

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