

# MDVR 85 TY

## Specifications

## Vertical Clamp / Horizontal Injection

Item		Unit	MDVR 85 TY		
Clamping Unit	Clamping System	–	Double Toggle		
	Clamping Force	kN (USt)	750 (84.3)		
	Location Hole Diameter	(inch)	4		
	Machine Configuration	–	Three Tie Bars		
	Table Type	–	Oscillating		
	Max. Mold Open Stroke	mm (inch)	250 (9.84)		
	Mold Height: Min. / Max.	mm (inch)	220 / 320 (8.66 / 12.6)		
	Daylight	mm (inch)	570 (22.44)		
	Ejector Stroke	mm (inch)	60 (2.36)		
	Max. Mold Size	mm (inch)	380 X 380 (14.96 x 14.96)		
	Table Diameter	mm (inch)	1206 (47.48)		
	# of Stations	–	1 top, 2 bottom		
	Ejector Force	kN (USt)	21.5 (2.42)		
	Injection Unit	Injection Unit	T•m	i 1.7	
Screw Type		–	Y	A	B
Screw Diameter		mm (inch)	*25 (0.98)	30 (1.18)	35 (1.38)
Screw Stroke		mm (inch)	120 (4.72)		
Theoretical Shot Volume		cm <sup>3</sup> (cu.in)	59 (3.60)	85 (5.19)	115 (7.02)
Shot Mass		g (oz)	54 (1.90)	78 (2.75)	106 (3.74)
Max. Injection Pressure		(PSI)	280 (40610)	200 (29010)	150 (21760)
Max. Holding Pressure		(PSI)	260 (37710)	180 (26110)	135 (19580)
Max. Injection Speed		mm/s (inch/s)	300 (11.81)		
Injection Rate		cm <sup>3</sup> /s (cu.in/s)	147 (8.97)	212 (12.94)	289 (17.64)
Screw Speed		RPM	400		
Plasticizing Capacity		kg/h (oz/s)	30 (0.29)	48 (0.47)	67 (0.66)
Nozzle Stroke		mm (inch)	340 (13.39)		
Nozzle Touch Force		TONS	2.42		
Automatic Temperature Control Zone		–	1G + 3		
Heater Capacity		kW	5.1	6.35	6.35
Others	Machine kVA	kVA	26		
	Machine Mass	t (USt)	4.9 (5.4)		
	Machine Size	L	m (inch) 3.39 (133)		
		W	m (inch) 1.45 (57)		
		H	m (inch) 1.84 (72)		

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