

MDVR 110 TY

Specifications

Vertical Clamp / Horizontal Injection

Item		Unit	MDVR 110 TY		
Clamping Unit	Clamping System	–	Double Toggle		
	Clamping Force	kN (USt)	1000 (112.4)		
	Location Hole Diameter	(inch)	4		
	Machine Configuration	–	Three Tie Bars		
	Table Type	–	Oscillating		
	Max. Mold Open Stroke	mm (inch)	280 (11.02)		
	Mold Height: Min. / Max.	mm (inch)	250 / 350 (9.84 / 13.78)		
	Daylight	mm (inch)	630 (24.80)		
	Ejector Stroke	mm (inch)	75 (2.95)		
	Max. Mold Size	mm (inch)	430 X 430 (16.93 x 16.93)		
	Table Diameter	mm (inch)	1340 (52.76)		
	# of Stations	–	1 top, 2 bottom		
	Ejector Force	kN (USt)	30 (3.37)		
	Injection Unit	Injection Unit	T•m	i 2.7	
Screw Type		–	Y	A	B
Screw Diameter		mm (inch)	* 30 (1.18)	35 (1.38)	40 (1.57)
Screw Stroke		mm (inch)	140 (5.51)		
Theoretical Shot Volume		cm ³ (cu.in)	99 (6.04)	135 (8.24)	176 (10.74)
Shot Mass		g (oz)	91 (3.21)	124 (4.37)	162 (5.71)
Max. Injection Pressure		(PSI)	270 (39160)	200 (29010)	155 (22480)
Max. Holding Pressure		(PSI)	245 (35530)	180 (26110)	135 (19580)
Max. Injection Speed		mm/s (inch/s)	300 (11.81)		
Injection Rate		cm ³ /s (cu.in/s)	212 (12.94)	289 (17.64)	377 (23.01)
Screw Speed		RPM	400		
Plasticizing Capacity		kg/h (oz/s)	48 (0.47)	67 (0.66)	98 (0.94)
Nozzle Stroke		mm (inch)	370 (14.57)		
Nozzle Touch Force		TONS	3.26		
Automatic Temperature Control Zone		–	1G + 3		
Heater Capacity		kW	6.95	8.15	8.15
Others	Machine kVA	kVA	34		
	Machine Mass	t (USt)	6.8 (7.5)		
	Machine Size	L	m (inch) 3.81 (150)		
		W	m (inch) 1.56 (61.5)		
		H	m (inch) 2.07 (81.5)		

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