

MDVR 35

Specifications

Vertical Clamp / Vertical Injection

Item		Unit	MDVR 35		
Clamping Unit	Clamping System	–	Double Toggle		
	Clamping Force	kN (USt)	300 (33.7)		
	Location Hole Diameter	(inch)	4		
	Machine Configuration	–	Three Tie Bars		
	Table Type	–	Oscillating		
	Max. Mold Open Stroke	mm (inch)	150 (5.91)		
	Mold Height: Min. / Max.	mm (inch)	170 / 270 (6.69 / 10.63)		
	Daylight	mm (inch)	420 (16.54)		
	Ejector Stroke	mm (inch)	60 (2.36)		
	Max. Mold Size	mm (inch)	300 X 300 (11.81 x 11.81)		
	Table Diameter	mm (inch)	940 (37)		
	# of Stations	–	1 top, 2 bottom		
	Ejector Force	kN (USt)	16 (1.80)		
	Injection Unit	Injection Unit	T•m	i 0.7	
Screw Type		–	Y	A	B
Screw Diameter		mm (inch)	*18 (0.71)	22 (0.87)	25 (0.98)
Screw Stroke		mm (inch)	85 (3.35)		
Theoretical Shot Volume		cm ³ (cu.in)	22 (1.34)	32 (1.95)	42 (2.56)
Shot Mass		g (oz)	20 (0.71)	30 (1.06)	38 (1.34)
Max. Injection Pressure		MPa (PSI)	280 (40610)	200 (29010)	155 (22480)
Max. Holding Pressure		MPa (PSI)	270 (39160)	180 (26110)	140 (20310)
Max. Injection Speed		mm/s (inch/s)	150 (5.91)		
Injection Rate		cm ³ /s (cu.in/s)	38 (2.32)	57 (3.48)	74 (4.52)
Screw Speed		RPM	240		
Plasticizing Capacity		kg/h (oz/s)	6 (0.06)	12 (0.12)	18 (0.18)
Nozzle Stroke		mm (inch)	195 (7.68)		
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	15		
	Machine Mass	t (USt)	3 (3.3)		
	Machine Size	L	2.02 (79.53)		
		W	1.27 (50)		
		H	2.88 (113.4)		

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