

MCR-A



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TRAVEL	ITEM	UNIT	20 x 30	20 x 40	20 x 50	25 x 30	25 x 40	25 x 50	25 x 65	30 x 50	30 x 65	30 x 80
	X-axis travel (table front/back)	mm (in.)	3,200 (125.98)	4,200 (165.35)	5,200 (204.72)	3,200 (125.98)	4,200 (165.35)	5,200 (204.72)	6,700 (263.78)	5,000 (196.85)	6,500 (255.91)	8,000 (314.98)
	Y-axis travel (horizontal spindle)	mm (in.)	2,500 (98.43)			3,000 (118.11)				3,500 (137.80)		
	Z-axis travel (vertical ram)	kg (lb)	650 (25.59)									
	Crossrail (vertical crossrail) *1. (MCR-ASC only)	mm (in.)	700 (27.56)			1,000 (39.37)				1,300 (51.18)		
	Effective width between columns	mm (in.)	2,050 (80.71)			2,550 (100.39)				3,050 (120.06)		
	Table to spindle nose *1.	mm (in.)	0 ~ 1,350 (0~ 53.15) {0~1,250 (0~ 49.21)}			0 ~ 1,650 (0~ 64.96) {0~ 1,550 (0~ 61.02)}				0 ~ 1,950 (0~ 76.77) {0~ 1,850 (0~ 33.46)}		
TABLE	Working surface (width x length)	mm (in.)	1,500 x 3,000	1,500 x 4,000	1,500 x 5,000	2,000 x 3,000	2,000 x 4,000	2,000 x 5,000	2,000 x 6,500	2,500 x 4,800	2,500 x 6,300	2,500 x 7,800
	Maximum load	kg	10,000	12,000	16,000	14,000	18,000	23,000	29,000	26,000	30,000	35,000
	T-slots Width x No. (spacing)	mm	20 ^{H7} X 11 (Center 140)			24 ^{H7} x 11 (Center 200)				24 ^{H7} x 13 (Center 200)		
	Height from floor	mm (in.)	750 (29.53)			800 (31.50)				850 (33.46)		
SPINDLE	Spindle speed	*2. min ⁻¹	30 ~ 4,000 [30 ~ 6,000, 30 ~ 8,000]									
	Number of speed ranges	Steps	-									
	Taper bore		7/24 Taper No. 50									
	Bearing diameter	*2. N • m	100 (3.94) [85 (3.35)]									
FEEDRATES	Rapid traverse	m/min (ipm)	X-Y: 20,000 (787.4) Z: 10 (393.7)									X: 15 9590.55) Y: 20 (787.4) Z: 10 (393.7)
	Cutting feedrate	m/min (ipm)	1 ~ 10,000 (0.04 ~ 394)									
	Crossrail traverse	m/min (ipm)	1,000 (39.37)									
ATC	Tool shank		MAS BT50									
	Pull stud		MAS P50T-2									
	Tool magazine capacity	Tools	50 [Opt: 72, 100, 120, 180]									
	Max. tool diameter	mm (in.)	W/ adjacent tools: 135 (5.31), W/o adjacent tools: 230 (9.06)									
	Max. tool length	mm (in.)	400 (15.75)									
	Max. tool weight	kg (lb)	25 (55)									
	Tool selection		Fixed address									
MOTORS	Spindle drive	*3. kW (hp)	VAC 26/22 (35/30) (30 min/cont)									
	Feed drive (X / Y/ Z)	kW (hp)	X-Y: 4.6, Z: 3.6 (6.2, 4.8)							X-Y: 9.4, Z: 3.6 (13, 4.8)		
	Crossrail vertical drive	kW (hp)	W: 4.2 (5.6)									
POWER	Electrical power supply	*3. kVA	60									
	Compressed air flow rate	*3. L/min (ANR)	650 (Over 0.5 MPa)									
	Height	mm (in.)	5,550 (219)			5,900 (232)				6,350 (250)		
	Floor space (machine only)	mm (in.)	6,595 x 8,350	6,595 x 10,730	6,595 x 12,920	7,095 x 8,730	7,095 x 10,730	7,095 x 12,920	7,095 x 16,120	7,860 x 12,200	7,860 x 15,800	7,860 x 18,800
	Net weight (machine only)	kg (lbs.)	35,000 (77,000)	37,500 (82,500)	40,000 (88,000)	43,000 (94,600)	45,000 (99,000)	47,000 (103,400)	50,000 (110,000)	54,000 (118,800)	59,000 (129,800)	64,000 (140,800)

*1. [] for 250 mm long vertical spindle

*2. Standard specs

*3. []: Shows 6,000 min⁻¹ specs