MCR-C

OKUMA

	ITEM		UNIT	MCR-C 25E			MCR-C 30E				MCR-C 35E				
				25 x 40	25 x 50	25 x 65	30 x 50	30 x 65	30 x 80	30 X 100	35 x 50	35 x 65	35 x 80	35 x 100	35 x 120
TRAVEL	X-axis travel (table front/back)		mm (in.)	4,050 (159.45)	5,050 (198.82)	6,550 (257.87)	5,050 (198.82)	6,550 (257.87)	8,050 (316.93)	10,050 (395.67)	5,050 (198.82)	6,550 (257.87)	8,050 (316.93)	10,050 (395.67)	12,050 (474.41)
	Y-axis travel (horizontal spindle)		mm (in.)	3,200 (125.98)			3,700 (146.67)				4,200 (165.35)				
	Z-axis travel (vertical ram)		kg (lb)	1,050 (41.34)											
	Crossrail (vertical crossrail)		mm (in.)	1,000 (39.37)			1,200 (47.24)								
	Effective width between columns		mm (in.)	2,650 (104.33)			3,150 (124.02)				3,650 (143.70)				
	Table to spindle nose	*1.	mm (in.)	0 ~ 1,650 [0 ~ 1,550] ((0 ~ 64.98) [0 ~ 61.02])			0 ~1,850 [0 ~1,750] ((0-72.83) [0-68.90])				0 ~ 1,800 [0 ~1,700] ((0-70.87) [0-66.93]				
TABLE	Working surface	(width x length)	mm (in.)	2,000 x 3,8000	2,000 x 4,800	2,000 x 6,300	2,500 x 4,800	2,500 x 6,300	2,500 x 7,800	2,500 x 9,800	3,000 x 4,800	3,000 x 6,300	3,000 x 7,800	3,000 x 9,800	3,000 X 11,800
				(78.74 x 149.61)	(78.74 x 188.98)	78.74 x 248.03)	(98.43 x 188.98)	(98.43 x 248.03)	(98.43 x 307.09)	(98.43 x 385.83)	(118.11 x 188.98)	(118.11 x 248.03)	(118.11 x 307.09)	(118.11 x 385.83)	(118.11 x 464.57)
	Maximum load	kg (lb.)	kg	22000 (48,400)	27,000 (59,400)	34,000 (74,800)	33,000 (72,600)	43,000 (94,600)	52,000 (114,400)	66,000 (145,200)	29,500 (64,900)	37,000 (81,400)	47,000 (103,400)	61,000 (134,200)	65,000 (143,000)
	T-slots	Width x No. (spacing)	mm	24^{H7} x 13 (center 200, both ends 70)			24^{H7} x 13 (center 200, both ends 70)				24^{H7} x 15 (center 200)				
	Height from floor		mm (in.)	850 (33.46)			900 (35.43)				950 (37.40)				
SPINDLE	Spindle speed	*2.	min^{-1}	10 ~ 4,000 [10 ~ 6,000]											
	Taper bore			7/24 taper No. 50											
	Bearing diameter	*2.	N • m	ø100 (3.94) [ø85 (3.35)]*3 (powerful type: ø130 (5.12))											
FEEDRATES	Rapid traverse		m/min (ipm)	X•Y 24, Z 15											
	Cutting feedrate		m/min (ipm)	1 ~ 10,000											
	Crossrail traverse		m/min (ipm)	3											
ATC	Tool shank			MAS BT50											
	Pull stud			MAS P50T-2											
	Tool magazine capacity		Tools	50 [Opt: 80, 100, 120, 180, 240, 360]											
	Max. tool diameter		mm (in.)	w/ adjacent tools: ø135 (5.31); w/o adjacent tools: ø264 (10.39)											
	Max. tool length		mm (in.)	600 (23.62)											
	Max. tool weight		kg (lb)	25 (55)											
	Tool selection			Fixed address											
MOTORS	Spindle drive	*3.	kW (hp)	VAC 45/37 (60/50) (30 min/cont) [37/30 (50/40) (30 min/cont)]											
	Feed drive (X / Y/ Z)		kW (hp)	X: 14.0 (19), Y: 9.4 (13), Z: 5.2 x 2 (7 x 2)											
	Crossrail vertical drive		kW (hp)	W: 4.6 x 2 (6 x 2)											
POWER	Electrical power supply	*3.	kVA	60											
	Compressed air flow rate	*3.	L/min (ANR)	650 (0.5 MPa or more)											
SIZE	Height		mm (in.)	6,800 (267.72)			7,000 (275.60)								
	Floor space	(machine only)	mm (in.)	7,750 x 10,550 (305 x 415)	7,750 x 12,550 (305 x 494)	7,750 x 15,850 (305 x 624)	8,300 x 12,550 (326 x 494)	8,300 x 15,850 (326 x 624)	8,300 x 19,250 (326 x 757)	8,300 x 23,250 (326 x 915)	8,700 x 12,550 (342 x 492)	8,700 x 15,850 (342 x 624)	8,700 x 19,250 (342 x 757)	8,700 x 23,250 (342 x 915)	8,700 x 27,650 (342 x 1,088)
	Net weight	(machine only)	kg	37,000 (81,400)	40,000 (88,000)	44,000 (96,800)	49,000 (107,800)	53,000 (116,600)	62,700 (137,940)	75,200 (165,440)	56,000 (123,200)	62000 (136,400)	75.800 (166,766)	87,500 (192,500)	98400 (216,480)

*1. [ ]: for 250-mm long vertical spindle.

*2. [ ] for 6,000/ 8,000 min^{-1} specs

*3. Standard specs