

KBM/KBT-11 series Comparison table

Item		Unit	KBM-11X	KBT-11.A	KBT-11W.A	KBT-11Z	KBT-11EZ	
Stroke	X axis travel	(table longitudinal)	mm (inch)	1500 (59.06)	1700 (66.93)	2000 (78.74)	2500 (98.43)	2500 (98.43)
	Y axis travel	(spindle vertical)	mm (inch)	1200 (47.24)	1500 (59.06)	1500 (59.06)	1800 (70.87)	1800 (70.87)
	Z axis travel	(table cross)	mm (inch)	700 (27.56)	1150 (45.28)	1450 (57.09)	-	-
		(column cross)	mm (inch)	-	-	-	1200 (47.24)	1200 (47.24)
	W axis travel	(spindle axial)	mm (inch)	350 (13.78)	500 (19.69)	500 (19.69)	500 (19.69)	500 (19.69)
	Distance from table top to spindle center		mm (inch)	0~1200 (0~47.24)	0~1500 (0~59.06)	0~1500 (0~59.06)	0~1800 (0~70.87)	0~1800 (0~70.87)
	Distance from table center to spindle nose		mm (inch)	355~1055 (13.98~41.54)	400~1550 (15.75~61.02)	550~2000 (21.65~78.74)	600~1800 (23.62~70.87)	600~1800 (23.62~70.87)
Table	Table work space		mm (inch)	950 × 1050 (37.40 × 41.34)	1200 × 1400 (47.24 × 55.12)	1400 × 1600 (55.12 × 62.99)	1400 × 1750 (55.12 × 68.90)	1400 × 1750 (55.12 × 68.90)
	Table maximum loading capacity		kg (lbs)	3000 (6600)	5000 (11000)	6500 (14300)	7500 (16500)	7500 (16500)
	Table top profile		mm (inch)	22 (0.87) 7T slots	22 (0.87) 7T slots	22 (0.87) 7T slots	22 (0.87) 7T slots	22 (0.87) 7T slots
	Table auto.indexing		°	0.001 (every 90° index. by locate pin)	0.001 (every 90° index. by locate pin)	0.001 (every 90° index. by locate pin)	0.001 (every 90° index. by locate pin)	0.001 (every 90° index. by locate pin)
Spindle Head	Boring spindle diameter		mm (inch)	110 (4.33)	110 (4.33)	110 (4.33)	110 (4.33)	110 (4.33)
	Spindle speed (for every 1min ⁻¹)		min ⁻¹	5~3000	5~3000	5~3000	5~3000	5~4500
	Spindle speed change range		step	2	3	3	3	3
	Spindle taper			BBT50(BIG-PLUS Dual contact spindle system) *	BBT50(BIG-PLUS Dual contact spindle system) *	BBT50(BIG-PLUS Dual contact spindle system) *	BBT50(BIG-PLUS Dual contact spindle system) *	BBT50(BIG-PLUS Dual contact spindle system) *
Feed	Rapid traverse	(X·Y·Z)	m (inch)/min	12 (472.44)	12 (472.44)	12 (472.44)	12 (472.44)	18 (708.66)
		(W)	m (inch)/min	6 (236.22)	6 (236.22)	6 (236.22)	6 (236.22)	6 (236.22)
	Feedrate		mm (inch)/min	1~6000 (0.04~236.22)	1~6000 (0.04~236.22)	1~6000 (0.04~236.22)	1~6000 (0.04~236.22)	X·Y·Z: 1~12000 (0.04~472.44) /W: 1~6000 (0.04~236.22)
	Table revolution		min ⁻¹	1.4	2.0	2.0	2.0	2.0
Automatic Tool Changer (ATC)	Tool shank			MAS BT50(BBT50 BIG-PLUS Dual contact spindle system) *	MAS BT50(BBT50 BIG-PLUS Dual contact spindle system) *	MAS BT50(BBT50 BIG-PLUS Dual contact spindle system) *	MAS BT50(BBT50 BIG-PLUS Dual contact spindle system) *	MAS BT50(BBT50 BIG-PLUS Dual contact spindle system) *
	Pull stud			MAS P50T-1(45°)	MAS P50T-1(45°)	MAS P50T-1(45°)	MAS P50T-1(45°)	MAS P50T-1(45°)
	Tool storage capacity		pc	30	40	40	40	40
	Max. tool diameter [vacant adjacent pots]		mm (inch)	125 (4.92)[240 (9.45)]	125 (4.92)[240 (9.45)]	125 (4.92)[240 (9.45)]	125 (4.92)[240 (9.45)]	125 (4.92)[240 (9.45)]
	Max. tool length		mm (inch)	400 (15.75)	400 (15.75)	400 (15.75)	400 (15.75)	400 (15.75)
	Max. tool weight		kg (lbs)	25 (55)	25 (55)	25 (55)	25 (55)	25 (55)
	Tool selection			At random	At random	At random	At random	At random
Motors	Spindle motor		kW (HP)	AC22(30) (30 min) /18.5(25) (cont.)	AC18.5(25) (30 min) /15(20) (cont.)	AC18.5(25) (30 min) /15(20) (cont.)	AC22(30) (30 min) /18.5(25) (cont.)	AC26(35) (30 min) /22(30) (cont.)
	Feed motor		kW (HP)	X·Y·Z·W: 3.0(4.0)/B: 2.1(2.8)	X·Y·Z: 4.2(5.6) /W·B: 3.0(4.0)	X·Y: 4.2(5.6) /Z: 9.0(12.0) /W: 3.0(4.0) /B: 4.0(5.4)	X: 6.0(8.0) /Y: 4.2(5.6) /Z: 9.0(12.0) /W: 3.0(4.0) /B: 4.0(5.4)	X·Z: 9.0(12.0) /Y: 6.0(8.0) /W: 3.0(4.0) /B: 4.0(5.4)
	Hydraulic motor		kW (HP)	2.2 (3.0)	2.8 (3.7)	2.8 (3.7)	2.8 (3.7)	2.8 (3.7)
Voltage	Power capacity (Not incl. opt)		kVA	52	51	55	57	70
	Air pressure source pressure		MPa	0.5	0.5	0.5	0.5	0.5
	Air pressure source flow (Not incl. opt)		NL/min	400(atm)	400(atm)	400(atm)	400(atm)	1200(atm)
Dimensions	Machine height		mm (inch)	3100 (122.05)	3950 (155.51)	3950 (155.51)	4350 (171.26)	4400 (173.23)
	Floor space (Not incl. opt)		mm (inch)	4300 × 4500 (169.29 × 177.17)	4520 × 5600 (177.95 × 220.47)	5050 × 6055 (198.82 × 238.39)	5600 × 6000 (220.47 × 236.22)	5600 × 6000 (220.47 × 236.22)
	Machine weight (Incl. NC unit)		kg (lbs)	14300 (31460)	23000 (50600)	26000 (57200)	28000 (61600)	28000 (61600)

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