

TRAVEL:
X-axis: 3200 mm (126")
Y-axis: 1100 mm (43.3")
Z-axis: 700 mm (27.6")

Description	UNIT	DMC-3212
TRAVEL		
X-axis	MM(inch)	3200 (125.9)
Y-axis	MM(inch)	1100 (43.3)
Z-axis	MM(inch)	700 (27.5)
Z-axis(O.P.)	MM(inch)	-
Spindle nose to table surface	MM(inch)	100~800 (3.9~31.4)
Distance between columns	MM(inch)	1200 (47.2)
TABLE		
Dimension	MM(inch)	3300*900 (129.9 * 35.4)
Working Area	MM(inch)	3200*1060 (125.9 * 41.7)
Tee Slots (W x No. x CD)	MM	22 x 7 x 125
Max. Table Load	KG(lbs)	5000 (3740)
Spindle		
Spindle speed(Built-in type)	rpm	18,000/20,000(O.P.)
Spindle motor(Built-in type) Torque Max.	kw / NM	18kw / 80NM
Spindle Taper		HSK 63A
Spindle speed(Direct drive)	rpm	BT40: 12,000/15,000 BT50: 8,000/10,000/12,000(O.P.)
Dual-speed spindle motor Kw-Nm(L/H) (Direct drive)	Controller Kw/Nm	Faunc-

- αT8 7.5kw-15,000rpm L:47NM H:23.9NM
- αT15 18.5kw-12,000rpm L:102NM H:28.6NM
- αL15 18.5kw-15,000rpm L:150NM H:35NM
- αL26(18.5-22kw)10,000rpm L:286NM H:88NM
- αB160LL(30kw)10,000rpm L:350NM H:95NM
- αL8 (11-15kw)20,000rpm L:79.5NM H:23.9NM

Mitsubishi-

- SJ-VKRS30-06ZM
  22kw-10,000rpm
  L:286NM H:88NM

Siemens-
- 1PM6138-2LF8
  22kw-10,000rpm
  L:140NM H:53NM

α22+ZF Gear Box α30+ZF Gear Box (Direct drive) (Direct Drive) H:8,000rpm L:1,500rpm/560NM(Max
(After mounting gear box, the torque increase 4 times at low speed)
H:8,000rpm/L:700rpm/1100NM
SJ-V26+ZF Gear box(Direct drive) (Direct Drive) H:8,000rpm L:1,500rpm/560NM(Max
(After mounting gear box, the torque increase 4 times at low speed)
H:8,000rpm/L:700rpm/1100NM

Spindle Taper(o.p.)	BT40/DIN69871 BT50/DIN69871(O.P.)	
Feedrate		
Cutting feed	mm	1-10,000 Depending on controller
X/Y axis rapid traverse(o.p.)	mm	20,000(36,000)
Z axis rapid traverse(o.p.)	mm	20,000(36,000)
X axis servo motor Y/Z axis servo motor	NM	22 22/30
Linear guide (Roller type)		
X/Y/Z axis	mm	X: 45*2pcs Y: 45*2pcs + 25*1pcs Z: 45*2pcs
Ballscrew		
X axis ballscrew dia x pitch	mm	50 * 12
Y axis ballscrew dia x pitch	mm	50 * 12
Z axis ballscrew dia x pitch		45 * 10
A.T.C		
Type of tool(HSK63A/BT40)		
Tool capacity	Armless	Armless type 12(O.P.) 16/20
Type of tool(BT40/BT50)		
Tool capacity	Arm	Arm 24/30 (Disc type) 32/40/60/80/120(Chain type)
Max. tool diameter	MM(inch)	76(3")
Max. tool length	MM(inch)	250(9.8")
Max. tool weight	kgs(lbs)	6(13.2")
Tool to tool time	sec.	Armless Type:7
Air supply	kg/c□	6
Power supply	KVA	35
Coolant pump	HP	1HP * 2pcs
Machine weight	kgs(lbs)	17,200/37,840

Raiser block 200mm(o.p.)mm	310~865
Raiser block 500mm(o.p.)mm	610~1165

Controller

