



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 (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 pitchmm	50 * 12
Y axis ballscrew dia x pitchmm	50 * 12
Z axis ballscrew dia x pitch	45 * 10
A.T.C	
Type of tool(HSK63A/BT40)	
Tool capacity	Armless
12(O.P.) 16/20	Armless type
Type of tool(BT40/BT50)	
Tool capacity	Arm
24/30 (Disc type)	Arm
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 ³ 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

