

**TRAVEL:**

X-axis: 1200 mm (47.2")

Y-axis: 900 mm (35.4")

Z-axis: 550 mm (21.7")

Description	UNIT	DMC-9120
TRAVEL		
X-axis	MM(inch)	1200 (47.2)
Y-axis	MM(inch)	900 (35.4)
Z-axis	MM(inch)	550 (21.6)
Z-axis(O.P.)	MM(inch)	670 (26.4)
Spindle nose to table surface (3.9~30.3)	MM(inch)	100~770
Distance between columns	MM(inch)	1000 (39)
TABLE		
Dimension (51.2 * 35.4)	MM(inch)	1033 * 900
Working Area (45.3 * 33.4)	MM(inch)	1150 * 850
Tee Slots (W x No. x CD)	MM	18 x 7 x 100
Max. Table Load	KG(lbs)	1500 (3300)
Spindle		
Spindle speed(Built-in type)	rpm	18000/20000(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	30,000
Z axis rapid traverse(o.p.)mm	15,000
X axis servo motor	
Y/Z axis servo motor	NM 22
22/30	
Linear guide (Roller type)	
X/Y/Z axis	mm X: 35*2pcs
Y: 35*2pcs + 25*1pcs	
Z: 45*2pcs	
Ballscrew	
X axis ballscrew dia x pitchmm	45 * 12
Y axis ballscrew dia x pitchmm	45 * 12
Z axis ballscrew dia x pitch45 * 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)	11,500/25,300
Raiser block 200mm(o.p.)mm		310~865
Raiser block 500mm(o.p.)mm		610~1165

Controller

