

**TRAVEL:**

X-axis: 3000 mm (118.1")

Y-axis: 2100 mm (82.7")

Z-axis: 1000 mm (39.4")

Description	UNIT	DMC-3022	
TRAVEL			
X-axis	MM(inch)	3000 (118)	
Y-axis	MM(inch)	2100 (82.6)	
Z-axis	MM(inch)	1000 (35.4)	
Z-axis(O.P.)	MM(inch)	-	
Spindle nose to table surface	MM(inch)	120~1020	(4.7~40.1)
Distance between columns	MM(inch)	2200 (86.6)	
TABLE			
Dimension	MM(inch)	3200*1800	
(126 * 70.8)			
Working Area	MM(inch)	3000*2060	
(118 * 81)			
Tee Slots (W x No. x CD)	MM	22 x 10 x 200	
Max. Table Load	KG(lbs)	10,000/22,000	
Spindle			
Spindle speed(Built-in type)	rpm	BT50(8000/10000/12000)	
Spindle motor(Built-in type)			
Torque Max.	kw / NM	Faunc αB160LL(30kw)	L:350NM H:95NM
Spindle Taper	HSK 100/BT50 DIN69871		
Spindle speed(Direct drive)	rpm	BT50: 8,000/10,000/12,000	
Dual-speed spindle motor			
Kw-Nm(L/H) (Direct drive) Controller			
Kw/Nm	Faunc-		
- 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			
- 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/286NM/L:750rpm/1140NM	
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/286NM/L:750rpm/1140NM	
Spindle Taper(o.p.)	BT50/DIN69871
Feedrate	
Cutting feed	mm 1-10,000
Depending on controller	
X/Y axis rapid traverse(o.p.)mm	18,000
Z axis rapid traverse(o.p.)mm	12,000
X axis servo motor	
Y/Z axis servo motor	NM 30(Two motors)
22/22(Z axis Hydraulic Balance)	
Linear guide (Roller type)	
X/Y/Z axis	mm X: 55*2pcs
Y: 45*2pcs + 35*1pcs	
Z: 55*2pcs 45*2pcs	
Ballscrew	
X axis ballscrew dia x pitchmm	63 * 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 Armless type
12(OP) 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) BT50: 120(5")
Max. tool length	MM(inch) 350(13.7")
Max. tool weight	kgs(lbs) BT50: 14(31")
Tool to tool time	sec. Armless Type:7
Air supply	kg/c ³ 6
Power supply	KVA 40
Coolant pump	HP 1HP * 2pcs
Machine weight	kgs(lbs) 32,000/70,400
Raiser block 200mm(o.p.)mm	-
Raiser block 500mm(o.p.)mm	-

Controller

