

FIRST

OPERATOR'S MANUAL

V 43 / V33

FANUC

CE

Machine V43
Type: V33

Machine
Number:
機號 50600061

Approve: 
確認者

Drawn	Approve	Date	Edition	Note
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2.3 MACHINE SPECIFICATIONS

SPECIFICATION MAY DIFFERENT ACCORDING TO CUSTOM REQUEST OR OPTIONS.

TABLE



	V43	V33
WORKING SURFACE (X X Y)	1300 X 600 mm (51.5 X 25.6 inch)	1050 X 600 mm (42.3 X 23.6 inch)
T SLOT (NO. X WIDTH X PITCH)	6 X 18 mm X 100 mm (6 X 0.7 X 3.9 inch)	
TABLE STROKE (X X Y)	10 X 600 mm (43.3 X 25.6 inch)	1050 X 600 mm (33.5 X 25.6 inch)
CUTTING FEEDRATE	1-8000 mm/min (0.04-315 inch / mm)	
RAPID TRAVERSE (X , Y)	32000 mm/min	32000 mm/min
RAPID TRAVERSE (Z)	32000 mm/min	
X,Y FEED MOTOR (AC SERVO UNIT)	12Nm AC MOTOR	12Nm AC MOTOR
Z FEED MOTOR (AC SERVO UNIT)	22Nm AC MOTOR	
TABLE LOAD CAPACITY	800 kg (1760 lbs)	

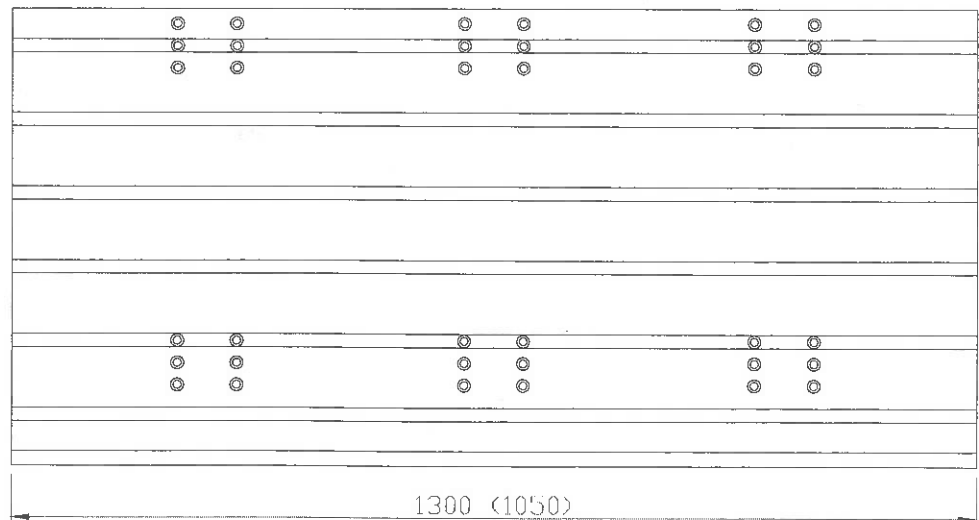
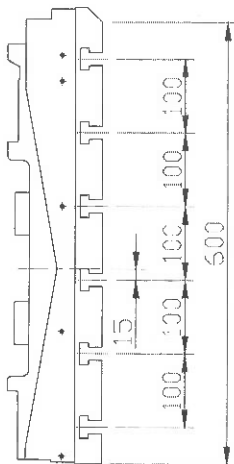


FIG. 2.2.3 V43 PRINCIPAL DIMENSIONS OF TABLE () FOR V33

SPINDLE


	V 43	V33
STROKE (Z)	510 mm (20 inch)	
TABLE TO SPINDLE END (MIN./MAX.)	120 / 630 mm (4.7 / 24.5 inch)	120 / 630 mm (4.7 / 24.5 inch)
SPINDLE MOTOR	AC VARIABLE FREQUENCY MOTOR INFINITELY VARIABLE 5.5 kW CONTINUOUS RATING / 30 MINUTES RATING 7.5 kW	AC VARIABLE FREQUENCY MOTOR INFINITELY VARIABLE 7.5 kW CONTINUOUS RATING / 30 MINUTES RATING 10 kW
SPINDLE ROTATION SPEED RANGE	60-3,000 120-6,000 180-10000 240-15,000 400-20,000 /min	
MAX. SPINDLE MOMENT OF INERTIA	190 Nm	

AUTOMATIC TOOL CHANGE

	TOOL STORAGE CAPACITY
	24 / 32
TOOL CHANGE TIME (TOOL TO TOOL)	3.5 sec
TOOL CHANGE TIME (CHIP TO CHIP)	5.5 sec.
MAX. ADJACENT TOOL DIAMETER	100 mm (3.9 inch)
MAX. TOOL WEIGHT	7 Kg (15 lbs)
MAX. TOOL LENGTH	300 mm (11.8 inch)
MAX. TOOL POT WEIGHT	10 kg (22 lbs)
MAX. TOOL CHANGE MOMENT OF WERTIA	0.492 kgm ²

GENERAL INFORMATION

	V43	V33
AIR POWER REQUIRED	5.5 bar	
SPINDLE CENTER TO COLUMN	635 mm	
FLOOR TO TABLE	855 mm	855 mm
MACHINE HEIGHT	2,480 mm	
MACHINE WEIGHT	8,500 kg (18,700 lbs)	8,300 kg (18,260 lbs)
FLOOR AREA REQUIRED	3,200 (W) X 2,800	2,700 (W) X 2,800 (D) mm