

Machine Specifications

ITEM \ MODEL		Vturn-16 Vturn-20	VturnII-16 VturnII-20	Vturn-26/60 (HD) Vturn-26/110 (HD)	Vturn-36/85 Vturn-36/125
MACHINE CAPACITY					
Swing over bed	mm	450	590	520	650
Std. Turning dia.	mm	160	370 360 440	290	445
Max. turning dia.	mm	230	(330 for CV) 400	380 (410)	550
Swing over carriage	mm	300	400	350 (380)	550 (458 for CV)
Center distance	mm	635	540	650 1130	890 1290
Bar capacity (hole through draw bar)	mm	40 52	40 52 (66 for LSB)	75 (91 for LSB)	91 (145 for LSB)
AXIS FEEDS					
X axis travel :					
-Std turret		115+20	220+20	190+50(205+50)	275+30
-VD I turret	mm	110+80	105+135	126+130	143+217
-VDI turret, C-axis		-	105+135	-	156+199
-BMT turret, C-axis		-	-	-	-
Z axis travel	mm	600	510	610 1090	855 1255
Y axis travel	mm	-	-	-	-
Rapid feed - X/Z axis	m/min	20 / 24	20 / 24	20 / 24	12 / 15
Rapid feed - Y axis	m/min	-	-	-	-
Feed motor - X/Z axis	kW	3 / 3	1.6 / 3	3 / 3 (4 / 4)	3 / 4
Feed motor - Y axis	kW	-	-	-	-
JOG feed rate	mm/min	0~1260	0~1260	0~1260	0~1260
Ball screw dia x pitch	mm	28 x P6 (X) 40 x P10 (Z)	28 x P8 (X) 40 x P10 (Z)	28 x P8 (X) 40 x P12 (Z)	36 x P6 (X) 50 x P10 (Z)
SPINDLE					
Spindle nose (chuck)	inch	A2-5 (6") A2-6 (8")	A2-5 (6") A2-6 (8")	A2-8 (10")	A2-8 (12") (A2-11 for CV, LSB)
Max. spindle speed	rpm	6000 4200 (opt. 3500)	6000 4200	3500 (opt. 2500)	2500 (opt. 2000)
Spindle motor power	kW	7.5 / 9.0	11 / 15 (opt. 7.5 / 9)	15 / 18.5 (18.5 / 22)	22 / 26 With gearbox
Bearing inside dia.	mm	90 100	90 100	130 (160 for LSB)	160 (220 for LSB)
Spindle bore	mm	52 62	52 62	87 (105 for LSB)	105 (160 for LSB)
TURRET					
No. of tools	no.	12 10 (opt. 8)	12 10 (opt. 8)	10	10 (12 for CV)
No. of live tools	no.	-	12	-	6
Tool shank size	mm	20 20 (opt. 25)	20 25	25	32
Curvic coupling dia.	mm	180	180	210	250
Max. boring bar dia.	mm	32 (VDI-30) 40 (VDI-40)	32 (VDI-30) 40 (VDI-30)	50 (VDI-40)	50 (VDI-50)
Exchange time (T-T)	sec	1	0.3	1	1
Milling speed	rpm	-	3000	-	3000
Milling motor	kW	-	3.0	-	7.0
TAILSTOCK					
Quill dia.	mm	75	75	110	110
Quill stroke	mm	80	80	100	100
Quill taper		MT#4	MT#4	MT#4 (live)	MT#4 (live)
OTHER					
CNC controller (FANUC)		0i-T	0i-T	0i-T	0i-T
Power requirement	KVA	17	21 (28 for CV)	27	38 (59 for CV)
Tank capacity	L.	87	130	100 130	130 150
Approx. machine size	m	3.3 x 1.95 x 1.65	3.3 x 1.95 x 1.7	3.8 (3.9) x 2 x 2 4.4 (4.5) x 1.7 x 2	4.7 x 2.3 x 2.2 5.2 x 2.3 x 2.2
Net weight (incl. standard accessories)	kg	4000	4200	5400 6000	8400 8700

※ Machine and controller specifications are subject to change without notice.