

FA-N Series

SPECIFICATIONS

MODEL	DESCRIPTION		FA45N	FA50N	FA55N	FA60N	FA70N	FA80N	FA100N
Capacity	Swing over bed		1170 mm (46")	1300 mm (51")	1430 mm (56")	1560 mm (61")	1800 mm (70")	2050 mm (80")	2550 mm (100.3")
	Swing over cross slide (Half length)		845 mm (33.2")	965 mm (38")	1090 mm (42.9")	1215 mm (47.8")	1465 mm (57.6")	1715 mm (67.5")	2215 mm (87.2")
	Swing over cross slide (Full length)		720 mm (28.3")	850 mm (33.5")	980 mm (38.6")	1110 mm (43.7")	1370 mm (53.9")	1630 mm (64.1")	2150 mm (84.6")
	Center Height		585 mm (23")	650 mm (25.6")	715 mm (28.1")	780 mm (30.7")	910 mm (35.8")	1040 mm (40.9")	1250 mm (49.2")
	Distance between centers		2150 - 14150 mm (84") - (557")						
	Bed width / Auxiliary guide		1020 mm (40") / 1170 mm (46")						
	Width of cross slide		420 mm (16.5")						
	Width of carriage		950 mm (37.4")						
Spindle	Spindle nose		A2-11 (6") / A2-15 (9") / A2-20 (12", 14") – FA45N - FA100N A2-28 (16") – FA55N - FA100N A2-28 (21") – FA60N - FA100N						
	Spindle speeds	A2-11 153 mm (6")	9-600 rpm (Opt. 12-800 rpm)						
		A2-15 230 mm (9")	9-450 rpm (Opt. 12-600 rpm)						
		A2-20 305 mm (12")	9-400 rpm						
		A2-20 369 mm (14")	9-300 rpm						
		A2-28 408 mm (16")	6-250 rpm						
		A2-28 534 mm (21")	6-220 rpm						
	Spindle center		MT6						
Turret	Turret		H4-450 Servo or V8 Hydraulic						
	Tool size		32 x 32 mm (1.25")						
	X axis travel (Half length cross slide)		600 mm (23.6")						
	X axis travel (Full length cross slide)		900 mm (35.4")						
	Z axis travel		2150 mm (45.3") – 14150 mm (557")						
	X axis rapid travel		6M / min, dia. 40 mm x P5						
	Ball screw dia.		6M / min,1-5M (dia. 63 mm x P10); 5M / min, 6-7M (dia. 80 mm x P10)						
	Z axis rapid travel		5M / min, 8-14M (Rack and Pinion Driver)						
Tailstock	Tailstock quill diameter		Dia. 250 mm (9.84") Opt. dia. 350 mm (13.7")						
	Tailstock quill travel		250 mm (9.84") / Opt. 300 mm (11.8")						
	Tailstock center		MT6						
Motor	X axis servo motor		FANUC aiF22 4kw						
	Z axis servo motor		2-3M FANUC aiF22 4 kw, 4-7M FANUC aiF22 4 kw (Gear Box) 8-14M FANUC aiF40 6 kw (Rack and Pinion Driver)						
	Spindle motor		FANUC ai1 30 30 / 37 kw (40 / 50 HP)						
	Lubricant pump motor		25 W						
	Coolant pump motor		1.2 kw						
	Hydraulic pump motor		2.25 kw						
Machine Weight	2000 mm center distance		17500 kgs	18000 kgs	18600 kgs	19200 kgs	20400 kgs	21600 kgs	25500 kgs
	Each extra 1000 mm weight		1500 kas						

※ THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

■ STANDARD ACCESSORIES

1. Fanuc control and motors
2. 6" spindle bore
3. H4 or V8 hydraulic turret
4. Auto coolant, hydraulic and lubrication system
5. Box way on cross slide
6. Splash guard
7. Hydraulic tailstock with rotating quill
8. Front and rear chip conveyor
9. Work light
10. Tool box with tools

■ OPTIONS

1. Extra spindle bore, motor and speeds
2. Spindle oil chiller
3. Hydraulic / manual chuck
4. Face plate
5. C axis or Spindle 5 / 15 degree indexing
6. Y axis
7. Driving tool turret
8. Steady rest, follow rest (Hydraulic or Manual)
9. Special boring bar holder
10. Heavy duty milling attachment
11. Grinding head on turret or cross slide
12. Tool presetter
13. Higher coolant pressure
14. CE Mark
15. Transformer