Specifications:

Features	Description	Unit	BNC-2280A
Capacity	Swing in gap	mm	970
	Swing over bed	mm	710
	Swing over cross slide	mm	370
	Max. turning length (with turret)	mm	1000/2000/3000/4000/5000/6000
	Hole through with hyd. chuck (option)	mm	117
	Gap length from spindle nose surface	mm	372
	Max. work piece weight (with tailstock)	kg	3000
Travel	X axis	mm	425
	Z axis	mm	1200/2200/3050/4050/5050/6050
Spindle	Speed range	rpm	125-1480
	Suitable chuck size (option)	mm	315/406
	Spindle nose		A2-11
	Spindle hole diameter	mm	153
	Motor power	KW	15/22(std.) / 22/30 (opt.)
Turret (option)	Number of tool stations (VDI50)		8
	Tool allowance (VDI50)	mm	32
	Tool shank	mm	50
Feed rate	X axis rapid traverse	m/min.	10 (std.)
	Z axis rapid traverse	m/min.	12 (std.)
	Jog feed	m/min.	3
Accuracy	Positioning	mm	0.0075
	Repeatability	mm	0.005
Slide	Bed width	mm	560
	Cross slide guide width	mm	300
Feed motor	X axis power	NM	11.9
	Z axis power	NM	19.5
Ball screw	X axis	mm	40
	Z axis	mm	63 (shorter and 3M length), 80 (longer and 4M length)
Tailstock	Quill stroke	mm	230
	Quill diameter	mm	125
	Quill inside taper	MT	6
Coolant	Pump motor	W	750
	Pump capacity	L/min.	17
	Pump pressure	kg/cm^2	3.5
Lubrication	Pump motor	W	12
	Pump capacity	W	130
Dimension	Length	mm	3900/4900/5900/6900/7900/8900
	Width	mm	2630
	Height	mm	2170
Weight		kg	6000/7000/8200/9400/10600/11800

Standard accessories:

- Fagor 8055i/TC A 11" LCD full key controller
- Fagor 15/18.5Kw spindle motor
- Gap bed
- 153mm (A2-11) spindle bore
- Geared headstock w/automatic speed changer
- Chuck sliding guard with interlock device
- Quick change tool post
- Traveling front single door interlocked with carriage
- Tailstock
- Protable MPG
- Coolant system
- Lubrication system
- Low voltage circuit system
- CE Marking

Option accessories:

- C axis
- Rear spindle chuck
- Baruffaldi TB-200 turret, VDI50 8 position
- Baruffaldi TBMB-200 power turret, VDI50 8 position
- PINTO SGS 3-jaws manual chuck
- Hyd. 3-jaw chuck
- 4-jaw independent manual chuck
- Boring bar holder unit
- Roller type steady rest
- Follow rest
- Chip conveyor & wash down system
- Hydraulic tailstock

challenge

Challenger

Microcut

HEAVY DUTY CNC LATHE BNC-2800A

Challenger

BNC-2800A series

- A large 153mm spindle bore is standard.
- A travel chuck guard is designed to take biggest chuck and it's equipped with safety device (interlock).

Geared head stock

- Rigid geared headstock design with HAMADA automatic speed change. High precision gear box provides high torque capacity.

Double spindle nose at the front and the rear side (opt.). This enable the turning at the ends of both long and heavy work pieces, holding the piece in the two chucks.

- The rigid rib designed carriage is coated with Turcite B & lubrication way for smooth & rigid moving.
- The double "box ways" designed bed for rapid traverse and the extremely wide bed ways are able to take heavier work pieces. The bed is designed for easier chip flow into chip tray or chip conveyor (on request). The large diameter ballscrews are preloaded to ensure prefect positioning & repeatability.

Full contouring C-axis (opt.) with dual pressure brake is utilized when the machine is equipped with rotating tools, the spindle can be locked at the required position during heavy milling or soft braked to stabilize the spindle during contour milling.

- "Multifix" type QCT on request.
- The well-designed cross slide can accommodate 12-statalons (VDI40) or 8-station turret (VDI50) turret (opt.) or power 8-stations VDI turret (opt.) in the rear side.

- An extra long quill to ensure that you get full cutting length, even when the machine is equipped with power turret. The complete tailstock can be moved by engaging to the carriage manually. A revolving quill is available on request.

- A large opening at rear of the machine allows easy assess for maintenance.

- High-tech electrical meets the latest CE regulation.

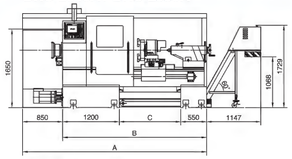
- The chip conveyor (opt.) carries the chips outside the machine while filtering out coolant & wash down provided

- RS 232 & USB communiciation port are standard interface to link with PC.
- Ethernet interface is ready.

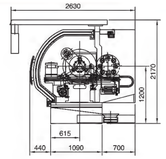
Fagor 8055iA/8055i PLUS (opt.) TC series FRENDLY OPERATION SYSTEM

Layout

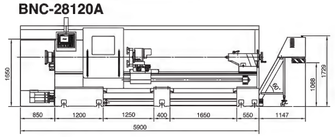
BNC-2840A / BNC-2880A

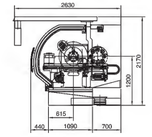


	A	B	C
BNC-2840	3900	3050	1300
BNC-2880	4900	3550	2300



BNC-28120A





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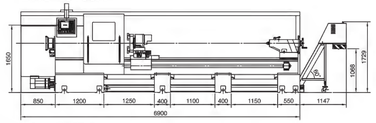

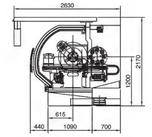

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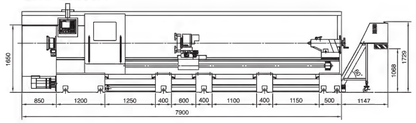

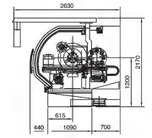

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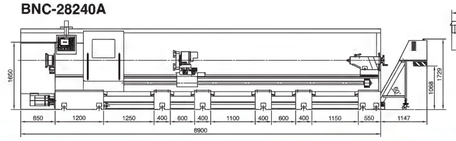

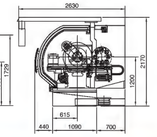

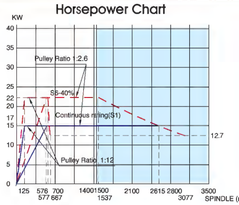

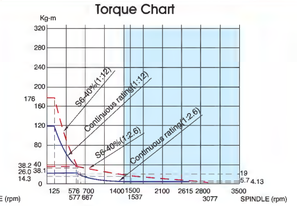

Torque chart

Torque / Horsepower Chart Data				
Spindle Taper	ISO	A2-1(153mm)	Spindle Motor	Fagor FM-7-A150
		-	Motor Output	15/22 kw
		-	Gear Ratio	-
Spindle Speed		1500 RPM	Pulley Ratio	1:2.6/ 1:1/2