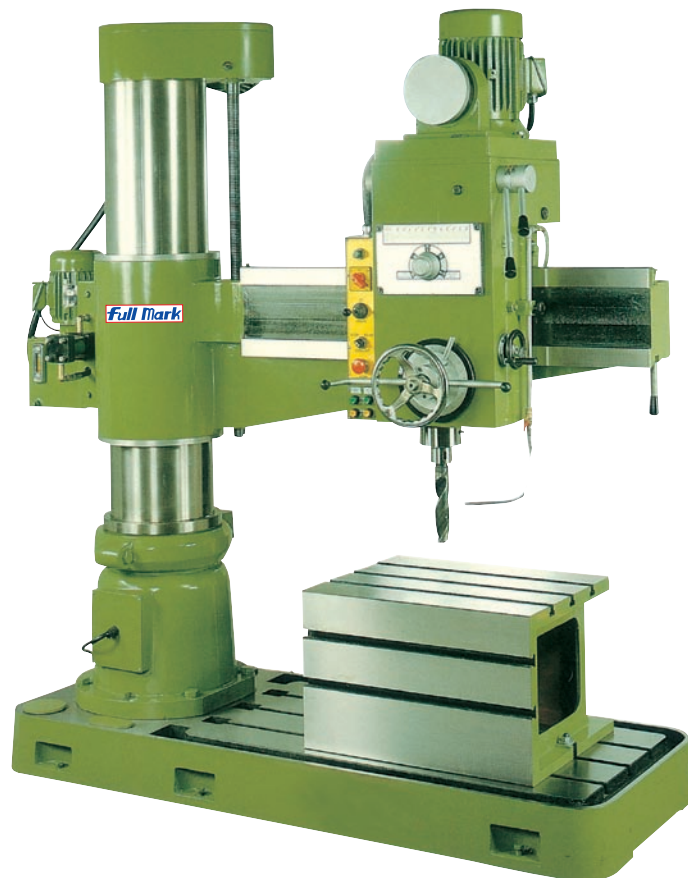
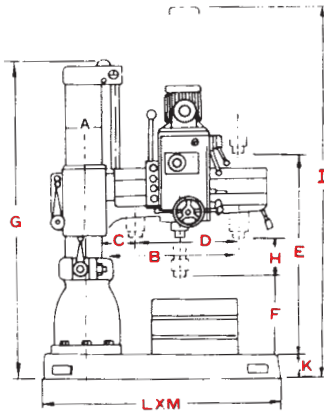
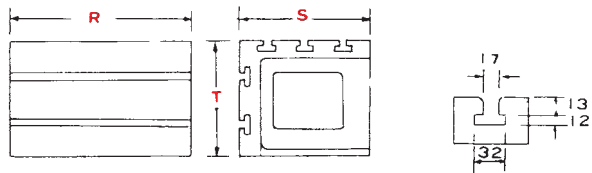
**Model: FRD-750S / FRD-900S****Model: FRD-1100S****Model: FRD-1280H (HYDRAULIC TYPE)****FEATURES**

- ◆ Adopts the **DOUBLE COLUMN (Sleeve and Column)** design and roller bearing is built-in around basement of column for extra rigidity and ensure heavy duty machining.
- ◆ All Gears are made of SCM alloy steel with hardened & ground to offer durability & reliability.
- ◆ **FRD-1280H** provides powerful & fast **Hydraulic Clamping for Spindle/Radial Arm/Column** individually.
- ◆ **12 SPEEDS** on **FRD-1100S** & **FRD-1280H** for wide range machining.
- ◆ Base is a box-type constructed, uniform rib reinforced allows deformation free after years operation.
- ◆ Automatic feeding and Overload safety design.

MACHINE DIMENSION



WORK TABLE DIMENSION



STANDARD ACCESSORIES

- *WORK TABLE *COOLANT SYSTEM
- *HALOGEN LAMP *TOOL BOX

SPECIFICATIONS

Unit: mm

MODEL		FRD-750S	FRD-900S	FRD-1100S	FRD-1280H (Hydraulic Type)
Capacity	Drilling	Steel	Ø 38mm (1 1/2")		Ø 50mm (2")
		Cast iron	Ø 50mm (2")		Ø 60mm (2-3/8")
	Tapping	Steel	Ø 19mm (3/4")		Ø 25mm (1")
		Cast iron	Ø 25mm (1")		Ø 32mm (1 1/4")
	Boring	Steel	Ø 75mm (3")		Ø 85 mm (3 3/8")
		Cast iron	Ø 105mm (4 1/8")		Ø 120mm (4 3/4")
Spindle stroke (H)		200mm (7 7/8")		250mm (9 7/8")	
Spindle Taper		MT#4	MT#4	MT#4	MT#4 MT#5 (OPT)
Spindle speed (RPM)		88-1500 RPM (6 speeds)		44-1500 RPM (12 speeds)	
Spindle Feeds mm/rev. inch/rev.		0.05, 0.09, 0.15 mm/rev. 0.002", 0.0035", 0.006" / rev.		0.05, 0.09, 0.15 mm/rev. 0.002", 0.0035", 0.006" / rev.	
Column Diameter (A)		210mm (8-1/4")		300mm (11-7/8")	
Max. distance, Column surface to spindle center (B)		775 (30 1/2")	920 (36 3/16")	1145 (45")	1245 (50")
Min. distance, Column surface to spindle center (C)		290mm (11 3/8")		330mm (13")	
Horizontal Travel of Headstock (D)		485 (19 1/8")	630 (24 13/16")	815(32")	915 (37")
Max. distance, base to spindle (E)		1110mm (43 3/4")		1230mm (48 1/2")	
Min. distance, base to spindle (F)		282mm (11 3/32")		540mm (21 1/4")	
Overall height of column (G)		1850mm (72 7/8")		2160mm (85")	
Machine height from floor (I)		2175mm (85 11/16")		2585mm (101 3/4")	
Dimensions of Base (LxMxK)		1280x640x150	1435x640x150	1800x800x170	1800x800x170
Size of Work Table (RxSxT)		550x405x315	550x405x315	650x500x410	650x500x410
Spindle drive motor (HP)		2HP		3HP(4Px8P)	
Arm elevation motor (HP)		1HP		2HP	
Coolant pump (HP)		1/8HP		1/8HP	
Net weight – Approx (kg)		1100kgs	1170kgs	2000kgs	2050kgs
Gross weight – Approx (kg)		1200kgs	1270kgs	2100kgs	2150kgs
Packing Measurement (LxWxH)		56"x32"x81"	62"x32"x81"	79"x39"x88"	90"x39"x88"
Hydraulic clamping Motor				1HP	

*All specifications and designs are subject to change without notice.



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**Model: FRD-1300H****Model: FRD-1700H****FEATURES**

- ◆ Adopts the **DOUBLE COLUMN (Sleeve and Column)** design and roller bearing is built-in around basement of column for extra rigidity and ensure heavy duty machining.
- ◆ Built with Worm Gear and Shaft design for transmission system. Energy-saving and durable.
- ◆ Provide powerful and fast **Hydraulic Clamping for Spindle/Radial Arm/Column** individually.
- ◆ **12 SPEEDS** for wide range machining.
- ◆ Base is a Box-type constructed, uniform rib reinforced allows deformation free after years operation.
- ◆ Automatic feeding and Overload safety design.
- ◆ Safety protection on each transmission on spindle.

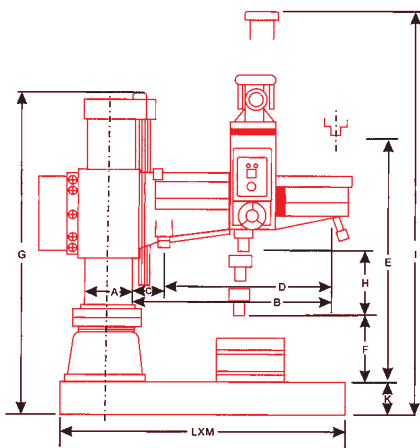
SPECIFICATIONS

Unit: mm

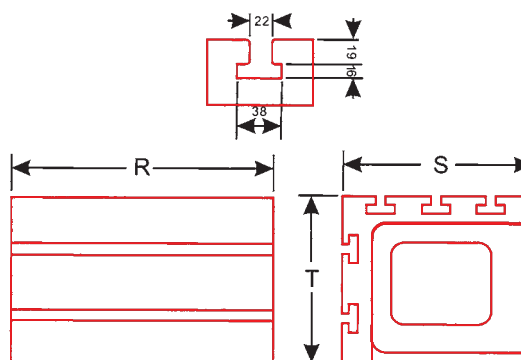
MODEL			FRD-1300H	FRD-1700H
Capacity	Drilling	Steel	55mm	55mm
		Cast iron	66mm	66mm
	Tapping	Steel	M50	M50
		Cast iron	M60	M60
	Boring	Steel	100mm	126mm
		Cast iron	175mm	186mm
Spindle stroke		H	250mm	250mm
Size of Morse Taper			M.T.# 5	M.T.# 5
Spindle speed			12 speed 44~1500 RPM (60Hz) 36~1250 RPM (50Hz)	12 speed 30~1500 RPM (60Hz) 25~1300 RPM (50Hz)
Spindle Feeds			6 speed 0.05~0.306mm/REV	6 speed 0.05~0.306mm/REV
Column Diameter		A	300mm	336mm
Max. distance-Column surface spindle center		B	1250mm	1700mm
Min. distance-Column surface spindle center		C	330mm	400mm
Horizontal Travel of Headstock		D	915mm	1310mm
Max. distance , base to spindle		E	1230mm	1420mm
Min. distance , base to spindle		F	540mm	260mm
Overall height of column		G	2160mm	2410mm
Machine height from floor		I	2585mm	3150mm
Dimensions of Base (L x M x K)			1800x800x170mm	2370x940x220mm
Effective area of Work Table (R x S x T)			650x500x410mm	800x540x400mm
Spindle drive motor (HP)			5HP (4P/8P)	5HP
Arm elevation motor (HP)			2HP	2HP
Coolant pump (HP)			1/8HP	1/8HP
Oil motor (HP)			1HP	1HP
Net weight – approx (kg)			2150 kgs	3150 kgs
Gross weight – approx (kg)			2250 kgs	3250 kgs
Measurement (L x W x H)			2290x1100x2230mm	2850x1210x2540mm

*All specifications and designs are subject to change without notice.

MACHINE DIMENSION



WORK TABLE DIMENSION



STANDARD ACCESSORIES

*COOLANT SYSTEM *HALOGEN LAMP *WORK TABLE *TOOL BOX



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