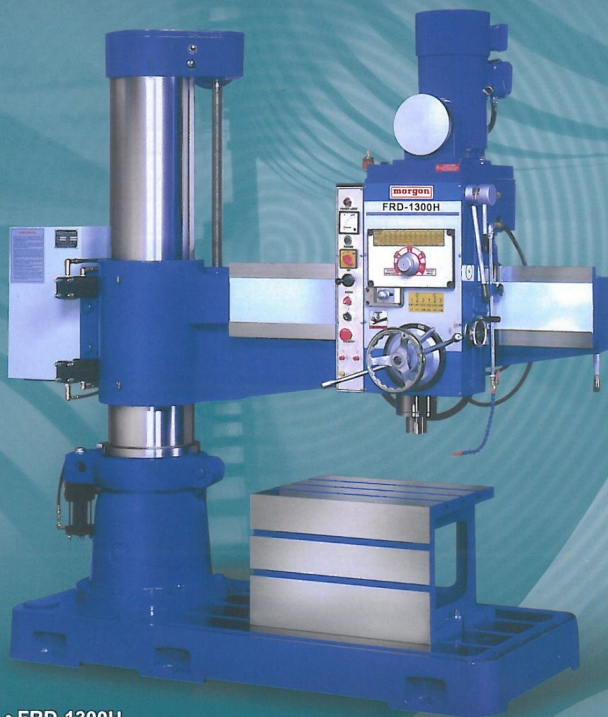


morgon®

RADIAL DRILLING MACHINE

FRD-750S / FRD-900S / FRD-1100S / FRD-1280H / FRD-1300H / FRD-1700H



• FRD-1300H

FEATURES FRD-750S / FRD-900S / FRD-1100S

- Roller bearing at basement is built round a double column provides max. Rigidity and accuracy.
- Protection design for limited safety is utilized in every transmission section.



FRD-750S / FRD-900S

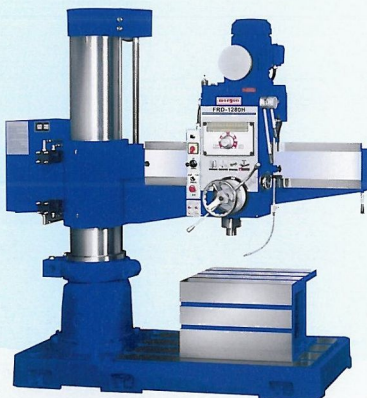


FRD-1100S

FEATURES FRD-1280H

- Separates speed operation on locking installation easy and convenient to operate. Excellent & exact precision.
- Opening model on precision heavy duty installation. Easy to save and repair.
- 12-speed gear box with more function.

FRD-1280H





FRD-1300H

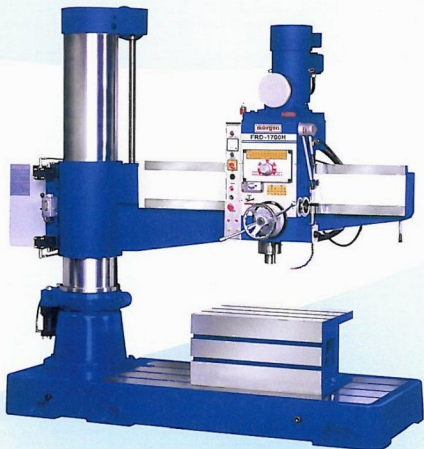
FEATURES **FRD-1300H**

- Roll bearing at basement is built round a double column provides max. Rigidity and accuracy.
- Spindle main gear are made of SCM material all through harden and precision grinding.
- Bed is solid construction, It reinforced by rubs. It provided a positive, Rocking proof foundation format, Stability.
- Column is duplex type. The inner cylinder has a thick wall and reinforced by ribs.

FEATURES **FRD-1700H**

- Machine made by FC-30 cast-iron.
- Each transmission spindle installed secure protection.
- Precision heavy duty installation. Easily precisely and instantly operation.
- Precision heavy duty & electric system. Independent control design. Security for electricity supply system.
- Built with worm gear and shaft design for transmissible system, Energy-saving and durable.

FRD-1700H



SPECIFICATION

Unit: mm / inch

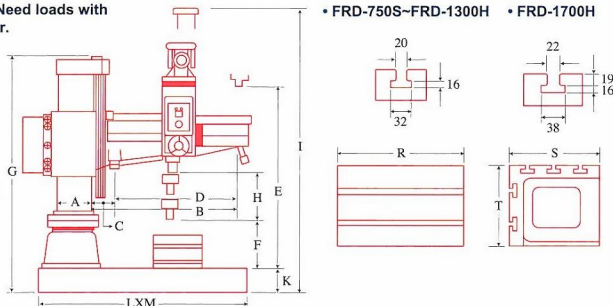
ITEM / MODEL		FRD-750S	FRD-900S	FRD-1100S	FRD-1280H	FRD-1300H	FRD-1700H	
Capacity	Drilling	Steel	38	38	50	50	55	55
		Castiron	50	50	60	60	66	66
	Tapping	Steel	25	25	30	30	50	50
		Castiron	30	30	36	36	60	60
	Boring	Steel	75	75	85	85	100	126
		Castiron	105	105	120	120	175	186
Spindle stroke		H	200	200	250	250	250	
Size of morse taper			NO.4	NO.4	NO.4	5	5	
Spindle speed			88-1500 (6)	88-1500 (6)	44-1500 (12)	44-1500 (12)	44-1500 (12)	30-1500 (12)
Spindle feeds			(0.05/0.09/0.15)	(0.05/0.09/0.15)	(0.05/0.09/0.15)	(0.05/0.09/0.15)	0.05-0.306 (6)	0.05-0.306 (6)
Column diameter		A	210	210	300	300	300	336
Max.distance, column surface spindle center		B	775	920	1145	1240	1240	1700
Min.distance, column surface spindle center		C	290	290	330	330	330	400
Horizontal travel of headstork		D	500	650	810	920	920	1310
Max. distance, base to spindle		E	1110	1110	1230	1230	1230	1420
Min. distance, base to spindle		F	282	282	540	540	540	260
Overall height of column		G	1850	1850	2160	2160	2160	2410
Machine height from floor		I	2175	2175	2585	2585	2585	3150
Dimensions of base (L x M x K)			1280x640x150	1435x640x150	1800x800x170	1800x800x170	1800x800x170	2370x940x220
Effective area of table (R x S x T)			500x405x315	550x405x315	650x500x410	650x500x410	650x500x410	800x540x400
Spindle drive motor			2HP	2HP	3HP(4Px8P)	3HP(4Px8P)	5HP(4P/8P)	7.5HP(4P/12P)
Arm elevation motor			1HP	1HP	2HP	2HP	2HP	2HP
Coolant pump			1/8HP	1/8HP	1/8HP	1/8HP	1/8HP	1/8HP
Oil motor					1HP	1HP	1HP	
Weight-Approx			1100 kgs	1170 kgs	2000kgs	2050kgs	2150kgs	3150kgs
Gross weight-Approx			1200 kgs	1270 kgs	2100kgs	2150kgs	2250kgs	3250kgs
Packing size (L x W x H)			1430x820x2060	1580x820x2060	2010x1030x2230	2290x1100x2230	2290x1100x2230	2850x1210x2540

Note: Based on the necessity of improving the machine, the company reserve the rights to revise specifications and dimensions.

DIMENSIONAL

• FRD-1700H Need loads with HQ container.

• FRD-750S-FRD-1300H • FRD-1700H



STANDARD ACCESSORIES:

- Tools..... 1 set
- Cooling pump..... 1 set
- Lamp..... 1 set
- Table..... 1 set

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