

VICTOR®

RADIAL DRILLS MACHINES

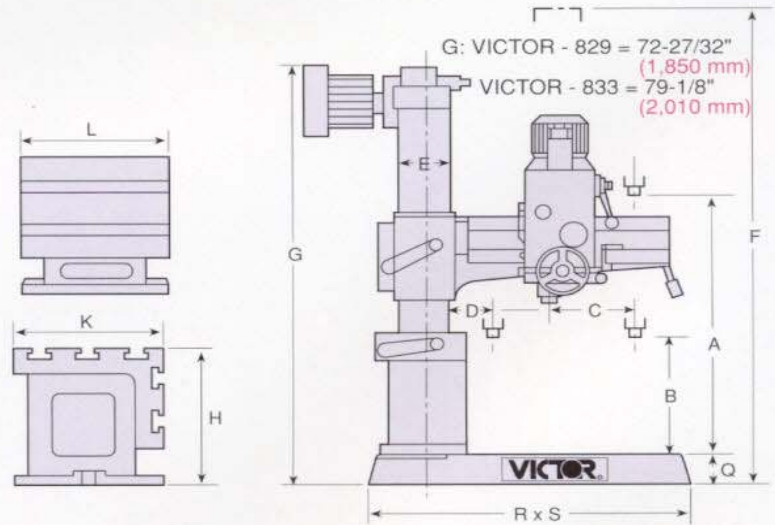
VICTOR - 829 · 833 · 837

1043 · 1148 · 1763H



FEATURES

- Limit safety device is available to assure security while operating
- High speed gears are made of Nickel-Chrome steel and through the process of Heat Treatment and Grinding
- 2 HP power motor is available for heavy duty cutting
- Extra auxiliary dial for spindle feed depth indication
With this indicator, we can review the momental feed depth of spindle 1 through 8"(200 mm) at any moment
- Special mechanism for spindle balance. With this mechanism, we can save lots of headache to avoid the defect on breaking of balance spring. And it is more durable than all Taiwan made traditional balance mechanism



SPECIFICATIONS

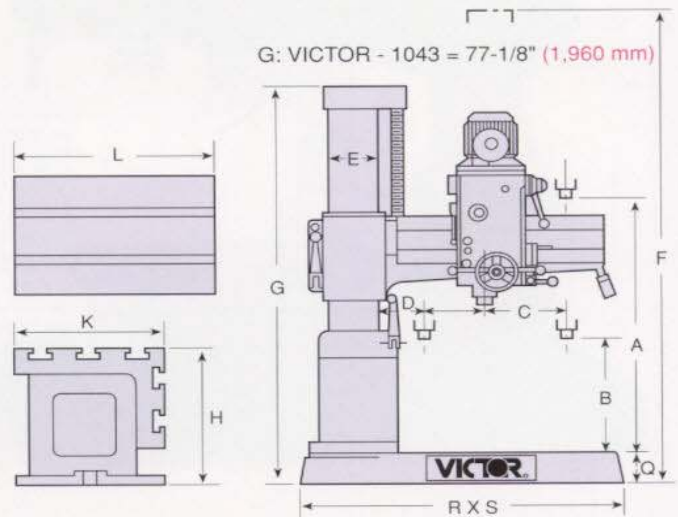
ITEMS	MODEL	8 2 9	8 3 3	8 3 7	
Dia. of column			8-1/4" (210 mm)		E
Max. distance from column surface to spindle center		29-1/2" (750 mm)	33-1/2" (850 mm)	37-13/32" (950 mm)	D + C
Min. distance from column surface to spindle center			8-5/8" (220 mm)		D
Travel of spindle head		20-7/8" (530 mm)	24-7/8" (630 mm)	28-3/4" (730 mm)	C
Max. distance from base surface to spindle end		41-3/4" (1,060 mm)	47-5/8" (1,210 mm)		A
Min. distance from base surface to spindle end		9-5/8" (455-210=245 mm)	13-3/4" (560-210=350 mm)		B
Elevating height of arm		23-13/16" (605 mm)	25-9/16" (650 mm)		A - B
Effective area of table		23-7/16" x 17-23/32" x 14-31/32" (595 x 450 x 380 mm)			L x K x H
Dimensions of base		49-5/8" x 25-3/16" x 6-9/32" (1,260 x 640 x 160 mm)			R x S x Q
Taper hole spindle		MT #4			
Stroke of spindle		8-1/4" (210 mm)			
R.P.M. of spindle (rpm x steps)		88, 154, 282, 455, 796, 1,500 rpm x 6 steps			
Feed of spindle (rev. x steps)		0.002", 0.0035", 0.0059" (0.05, 0.09, 0.15 mm) x 3 steps			
Main motor		2 HP			
Elevating motor		1 HP			
Coolant pump		1/8 HP			
Max. machine height from floor		85-7/16" (2,170 mm)	91-3/8" (2,320 mm)		F
Net / Gross weight approx.		2,530 lbs (1,150 kgs) 2,860 lbs (1,300 kgs)	2,750 lbs (1,250 kgs) 3,080 lbs (1,400 kgs)	2,860 lbs (1,300 kgs) 3,190 lbs (1,450 kgs)	
Packing measurement (L x W x H)		64" x 32" x 82" (1,620 x 810 x 2,080 mm)	66" x 32" x 86" (1,680 x 810 x 2,190 mm)	71" x 33" x 86" (1,800 x 840 x 2,190 mm)	
Capacity	Drilling	Steel	Ø 1-1/4" (32 mm)		
		Cast iron	Ø 1-31/32" (50 mm)		
	Tapping	Steel	Ø 7/8" (22 mm)		
		Cast iron	Ø 7/8" (22 mm)		
	Boring	Steel	Ø 2-3/4" (70 mm)		
		Cast iron	Ø 4-1/6" (105 mm)		

• Specifications are subject to change without notice for further design improvement

VICTOR® - 1043

FEATURES

- Spindle was balanced by means of Cylinder Shape Spring
- Safe device for Arm elevating to prevent falling of Arm, when machine is used for a long time
- Limit safe device for operation
- High speed gears are made of Nickel-Chrome Steel and through the process of Heat Treatment and Grinding
- 3 HP two speed motor for heavy duty cutting



SPECIFICATIONS

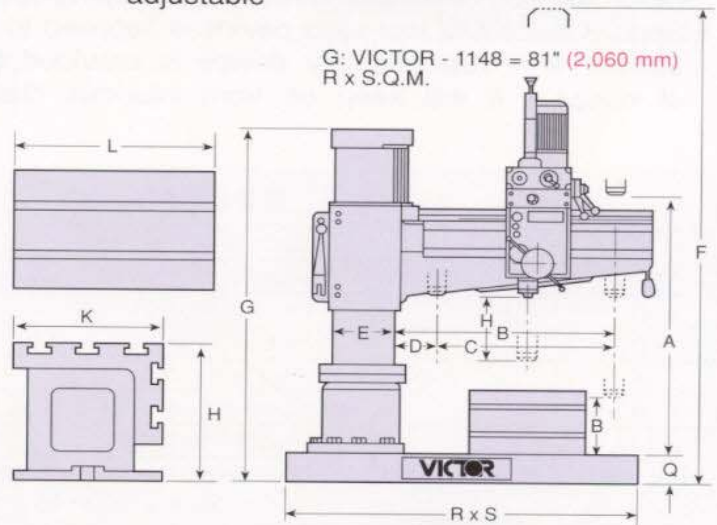
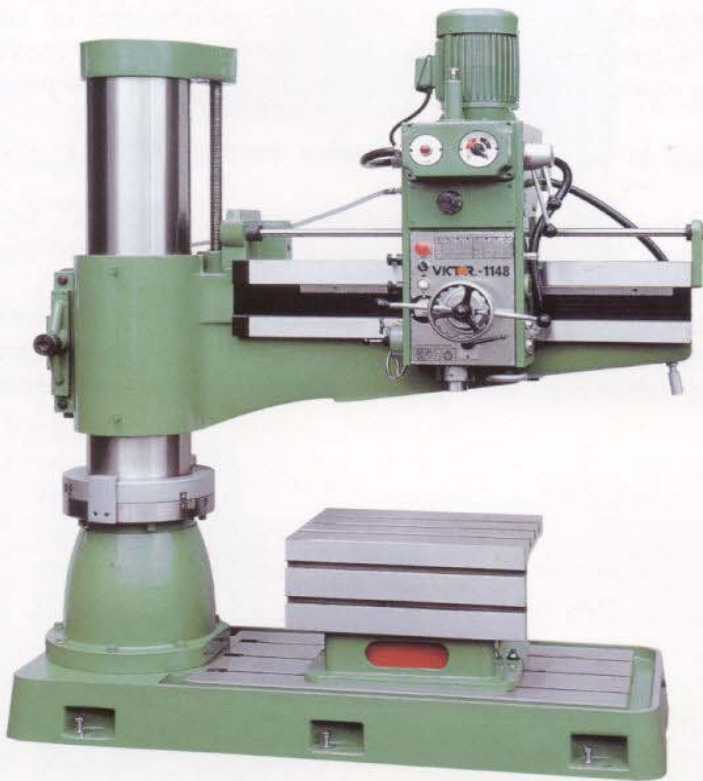
ITEMS		MODEL	1043	
Dia. of column			10-1/4" (260 mm)	E
Max. distance from column surface to spindle center			43-5/16" (1,100 mm)	D + C
Min. distance from column surface to spindle center			9-5/8" (245 mm)	D
Travel of spindle head			33-5/8" (855 mm)	C
Max. distance from base surface to spindle end			50-3/8" (1,280 mm)	A
Min. distance from base surface to spindle end			12-5/8" (680-250 = 430 mm)	B
Elevating height of arm			24" (600 mm)	A - B
Effective area of table			24-3/4" x 20-1/2" x 16-1/2" (630 x 520 x 420 mm)	L x K x H
Dimensions of base			67-3/4" x 28" x 6-1/2" (1,720 x 710 x 165 mm)	R x S x Q
Taper hole spindle			MT #4	
Stroke of spindle			9" (230 mm)	
R.P.M. of spindle (rpm x steps)			44-1500 rpm x 12 steps	
Feed of spindle (rev. x steps)			0.002", 0.0035", 0.0059" (0.05, 0.09, 0.15 mm) x 3 steps	
Main motor (two speed motor)			3 HP	
Elevating motor			1 HP	
Coolant pump			1/8 HP	
Max. machine height from floor			100" (2,540 mm)	F
Net / Gross weight approx.			3,960 lbs (1,800 kgs) 4,290 lbs (1,950 kgs)	
Packing measurement (L x W x H)			74" x 34" x 89" (1,880 x 860 x 2,260 mm)	
Capacity	Drilling	Steel	Ø 1-9/16" (40 mm)	
		Cast iron	Ø 2-3/16" (55 mm)	
	Tapping	Steel	Ø 3/4" (19 mm)	
		Cast iron	Ø 3/4" (19 mm)	
	Boring	Steel	Ø 3-3/8" (85 mm)	
		Cast iron	Ø 4-3/4" (120 mm)	

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VICTOR® - 1148

FEATURES

- The arm is made of the up grade cast iron, Arm slide through the process of Heat Treatment and Grinding
- Bearing bracket of gear box uses standard bearing for arm slide. It would be light and smooth to move gear box along arm slide
- High speed gears are made of Nickel Chrome steel and through the process of Heat Treatment and Grinding
- 3 HP two speed motor for heavy duty cutting
- The spindle is counter balanced by means of an adjustable block
- Limit safe device for operation
- The mechanism for arm elevating
- Tighrness of arm and column are seperately adjustable



SPECIFICATIONS

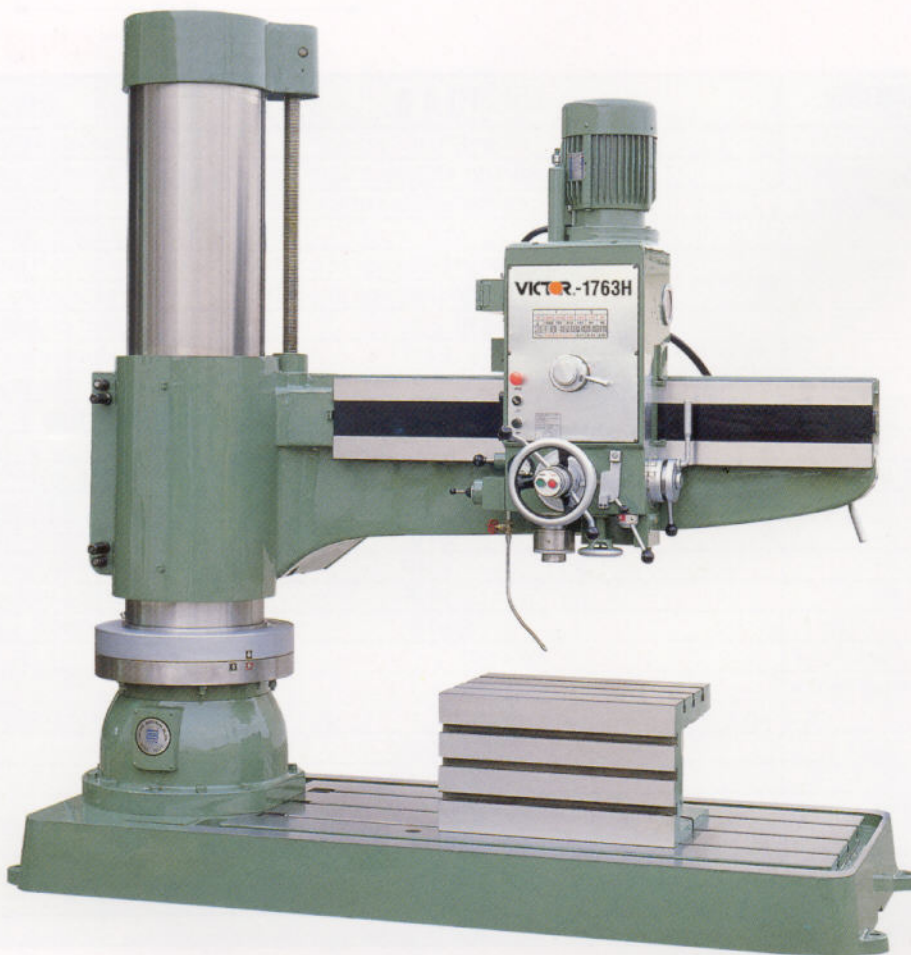
ITEMS	MODEL	1148	
Dia. of column		11-3/16" (300 mm)	E
Max. distance from column surface to spindle center		48-1/2" (1,230 mm)	D + C
Min. distance from column surface to spindle center		13-3/8" (340 mm)	D
Travel of spindle head		35" (890 mm)	C
Max. distance from base surface to spindle end		54" (1,370 mm)	A
Min. distance from base surface to spindle end		19-3/8" (490 mm)	B
Elevating height of arm		34-5/8" (880 mm)	A-B
Effective area of table		27-5/8" x 19-5/8" x 15-3/4" (700 x 500 x 400 mm)	L x K x H
Dimensions of base		67-11/16" x 27-15/16" x 6-1/2" (1,720 x 710 x 165 mm)	R x S x Q
Taper hole spindle		MT #4	
Stroke of spindle		9-7/8" (250 mm)	
R.P.M. of spindle (rpm x steps)		40-1,500 rpm x 12 steps	
Feed of spindle (rev. x steps)		0.002", 0.0035", 0.0059" (0.05, 0.09, 0.15 mm) x 3 steps	
Main motor (two speed motor)		3 HP	
Elevating motor		1 HP	
Clamping motor		1 HP	
Coolant pump		1/8 HP	
Max. machine height from floor		109-1/2" (2,780 mm)	F
Net / Gross weight approx.		4,620 lbs (2,100 kgs) 4,950 lbs (2,250 kgs)	
Packing measurement (L x W x H)		80" x 39" x 89" (2,030 x 990 x 2,260 mm)	
Capacity	Drilling	Steel	Ø 1-9/16" (40 mm)
		Cast iron	Ø 2-3/16" (55 mm)
	Tapping	Steel	Ø 3/4" (19 mm)
		Cast iron	Ø 3/4" (19 mm)
	Boring	Steel	Ø 3-3/8" (85 mm)
		Cast iron	Ø 4-3/4" (120 mm)

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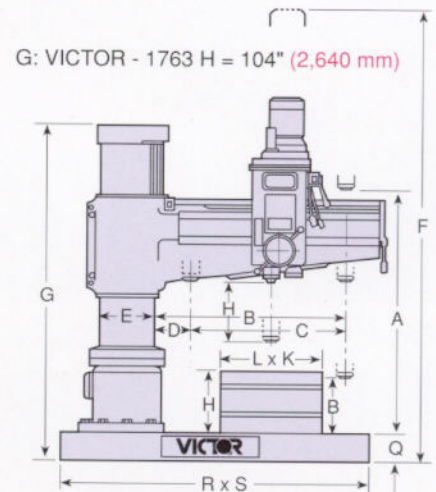
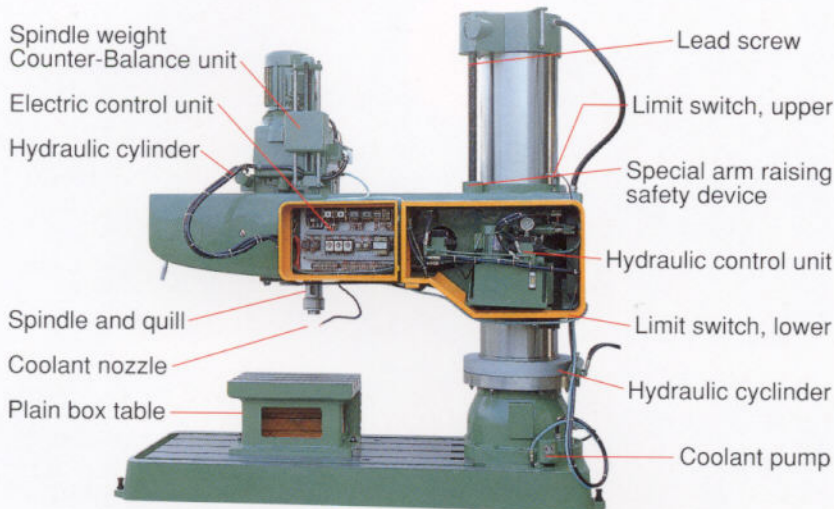
VICTOR - 1763H

FEATURES

- Equipped with hydraulic SEPERATE clamping unit. Vertical movement of arm is coordinated by an IC TIMER. With a single touch on push button switch, we can have arm unclamped then move vertically, or stop then clamp automatically. Very easy to operate and tools will always stay at the same point after tools shifting
- Exclusively for gear type cycling oil pump is furnished to cool off precise gears inside gear box, and minimize excessive wear on gears to a lowest extent
- Friction type disc clutch is adopted to absorb impact force caused by vertical movement of spindle, and effectively protect all transmission units inside gear box. With the function of quick spindle return, this clutch will also help us to speed up our tapping operation
- Special automatic tool eject device is supplied to enable us to shift tools efficiently (No drifter is required)
- Special arm raising safety device is provided to prevent arm from falling down abruptly after years of usage. It will keep us from injurious dropping whenever the copper nut is excessively worn



- ① ② Structure of feed lever
- ③ Ejecting lever
- ④ Horn
- ⑤ Cross switch
- ⑥ Swing lever
- ⑦ ⑧ Change lever
- ⑨ H.L. Change lever
- ⑩ Limit hand wheel
- ⑪ Machine oil indicator
- ⑫ Green, release button
- ⑬ Red, clamp button



SPECIFICATIONS

ITEMS	MODEL	1763H	
Dia. of column		17" (432 mm)	E
Max. distance from column surface to spindle center		63" (1,600 mm)	D + C
Min. distance from column surface to spindle center		13-3/8" (340 mm)	D
Travel of spindle head		49-5/8" (1,260 mm)	C
Max. distance from base surface to spindle end		63" (1,600 mm)	A
Min. distance from base surface to spindle end		13" (700-370=330 mm)	B
Elevating height of arm		35-7/16" (900 mm)	A - B
Effective area of table		27-5/8" x 19-5/8" x 15-3/4" (700 x 500 x 400 mm)	L x K x H
Dimensions of base		97-5/8" x 41-11/32" x 8-1/4" (2,480 x 1,050 x 210 mm)	R x S x Q
Taper hole spindle		MT #5	
Stroke of spindle		14-9/16" (370 mm)	
R.P.M. of spindle (rpm x steps)		40-1,920 rpm x 12 steps	
Feed of spindle (rev. x steps)		0.0028" ~ 0.0378" (0.07 ~ 0.96 mm) x 6 steps	
Main motor		7-1/2 HP	
Elevating motor		2 HP	
Clamping motor for column and gear box		1 HP	
Clamping motor for arm		1/2 HP	
Coolant pump		1/8 HP	
Max. machine height from floor		124-7/8" (3,170 mm)	F
Net / Gross weight approx.		11,220 lbs (5,100 kgs) 12,540 lbs (5,700 kgs)	
Packing measurement (L x W x H)		112" x 53" x 117" (2,850 x 1,350 x 2,970 mm)	
Capacity	Drilling	Steel (S45C)	Ø 2-1/4" (56 mm)
		Cast iron (FC20)	Ø 2-5/8" (66 mm)
	Tapping	Steel (S45C)	Ø 2" (50 mm)
		Cast iron (FC20)	Ø 2-3/8" (60 mm)
	Boring	Steel (S45C)	Ø 5" (126 mm)
		Cast iron (FC20)	Ø 7-3/8" (186 mm)

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STANDARD ACCESSORIES (For all series)

1. Tools	1 set	3. Work lamp	1 set
2. Coolant pump	1 set	4. Box table	1 set

OPTIONAL ACCESSORIES (For 1763H only)

Inclinable work table