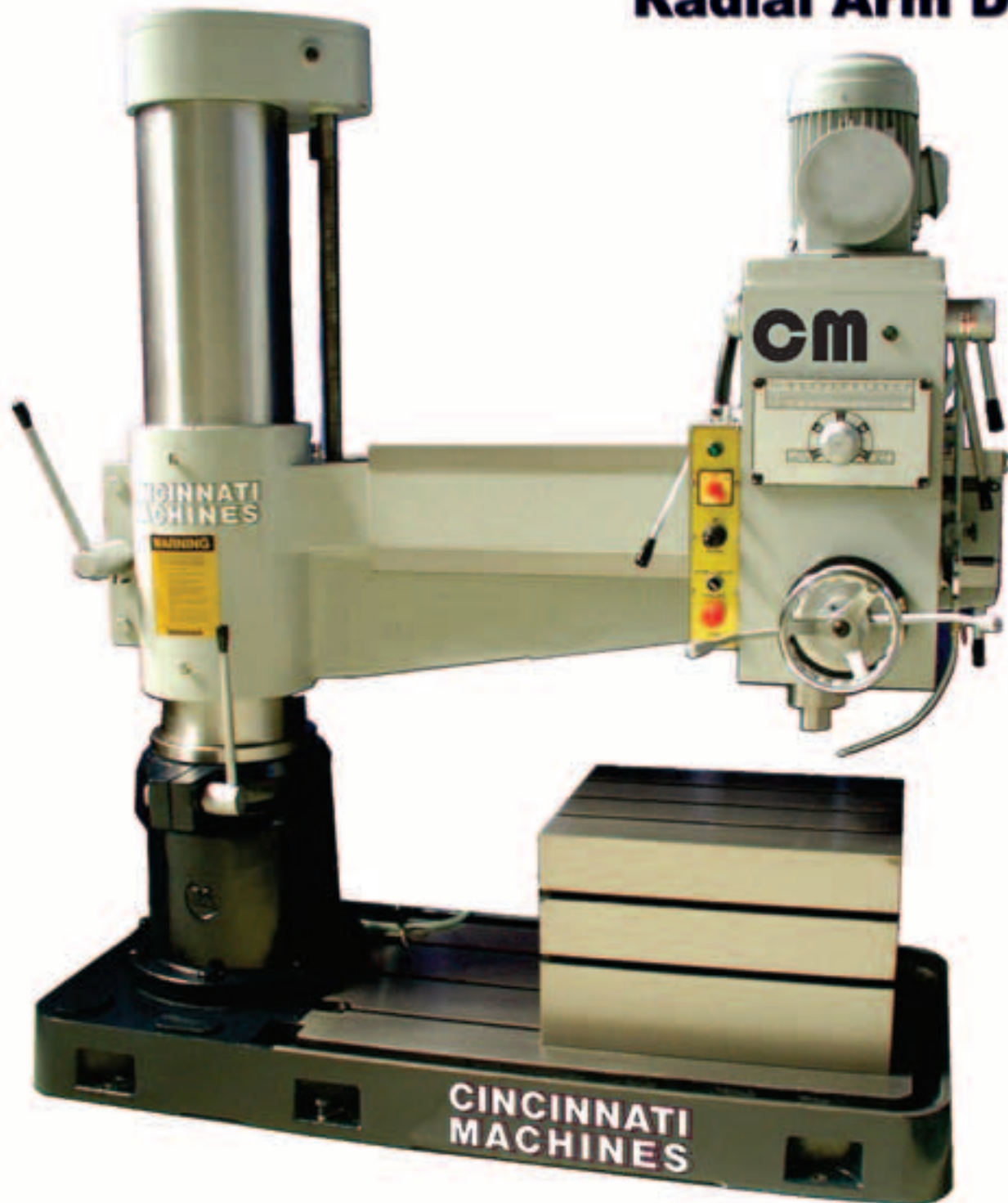


# CINCINNATI MACHINES

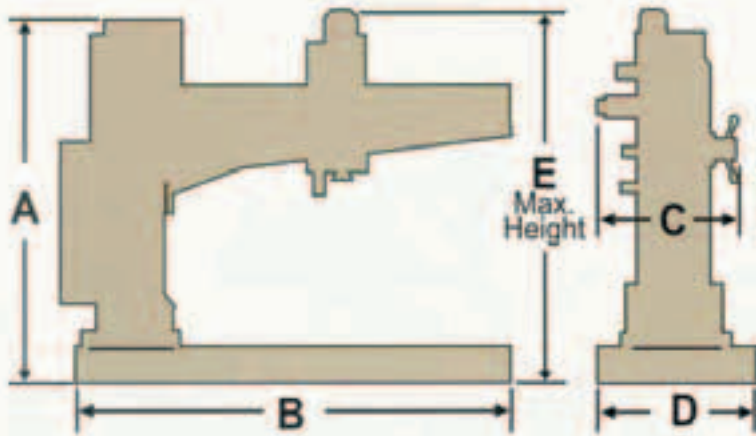
## CM Series Radial Arm Drills



### CONSTRUCTION FEATURES

•Hardened and ground steel gears run in an oil bath. •Spindle and quill are also hardened and ground steel. •Variable counter balanced Vertical Spindle Movement. •Chrome plated quill. •Double wall column with large bearings top and bottom for easy rotation. •360° Arm rotation on Column. •Power feed rates are selected by hand wheel, and can be changed while the drill is running. •Power feed is engaged by pushing feed handles in: feed is disengaged by pulling feed handles back or when predetermined setting is reached. A limit switch prevents both manual and power feed over travel. •Sensitive hand feed wheel on lower right side of head. •Power Vertical Arm movement. •Vertical Arm Movement safety nut. •Vertical travel alignment is assured by keyed vertical way. •The head assembly rolls easily on two ball bearings and is locked rigidly by a single lever. The bearings run on a hardened steel wear strip to ensure continued accuracy and ease of operation. •Flourescent work light is conveniently built in the arm. •Coolant pump motor is mounted on base plate and base plate serves as the coolant reservoir.

# CINCINNATI MACHINES



Model	A	B	C	D	E
<b>2'x8"</b>	72-7/8"	50-3/8"	29-1/2"	25-3/16"	85-5/8"
<b>3'x12"</b>	85"	70-27/32"	38-3/16"	31-1/2"	101-3/4"
<b>4'x12"</b>	85"	70-27/32"	38-3/16"	31-1/2"	101-3/4"

## SPECIFICATIONS **CM** Series Radial Drills unit/inch

Model/Spec.		2'x8"	3'x12"	4'x12"	
Capacity	Drilling	Steel	1-1/2"	1-3/4"	2"
		Cast iron	2"	2-1/8"	2-3/8"
	Tapping	Steel	3/4"	1"	1-1/4"
		Cast iron	1"	1-1/4"	1-1/2"
	Boring	Steel	3"	3-3/8"	3-1/2"
		Cast iron	4"	4-3/4"	5"
Spindle stroke/spindle taper		7-7/8"/MT4	9-7/8"/MT4	9-7/8"/MT5	
Spindle speeds (rpm)		88-1500(6)	44-1500(12)	44-1500(12)	
Spindle feeds(inch/rev.)		0.002"-0.006" 3steps	0.002"-0.006" 3steps	0.004"-0.024" 6steps	
Column diameter		8-1/4"	11-7/8"	11-7/8"	
Max.distance,spindle center to column		30-1/2"	45"	50"	
Max.distance,spindle center to column		11-3/8"	13"	13"	
Horizontal travel of headstock		19-1/8"	32"	37"	
Max.distance, base to spindle		43-3/4"	48-1/2"	48-1/2"	
Min.distance, base to spindle		11-3/32"	21-1/4"	21-1/4"	
M/C over height of column (A)		72-7/8"	85"	85"	
M/C height from floor (Max) (E)		85-5/8"	101-3/4"	101-3/4"	
Dimension of base (L x M x K)inch (B)x(D)		50-3/8" x 25-3/16" x 5-7/8"	70-27/32" x 31-1/2" x 6-11/16"	70-27/32" x 31-1/2" x 6-11/16"	
Effective area of table (R x S x T)		16"x22"x13"H	20"x25"x17"H	20"x25"x17"H	
Main drive motor		2HP	5HP	7.5HP	
Arm elevation motor		1HP	2HP	2HP	
Motor for hydraulic clamping device				1HP	
Coolant pump		1/8HP	1/8HP	1/8HP	
Weight (about)		1200kgs	2100kgs	2150kgs	
Measurement (L x W x H)		56"x32"x81"	79"x39"x88"	90"x39"x93"	

Machine Specifications and Features shown in this brochure are provided as a guide only and are subject to change without notice