

CMI  
ROADBUILDING INC.



# ROTO-AIRE<sup>®</sup>

## PORTABLE BAGHOUSES

[WWW.CMI-ROADBUILDING.COM](http://WWW.CMI-ROADBUILDING.COM)

CMI ROTO-AIRE® portable baghouses feature a unique reverse flow cleaning system that reduces the maintenance inherent with pulse jet cleaning systems without the complex damper systems and blowers associated with other reverse air systems.

Bag cleaning is achieved by channelling a surge of atmospheric air, in the reverse direction, through the bag, causing the bag to expand. This gives a much less aggressive cleaning of the bags, significantly extends bag life and uses less moving parts.



## FEATURES & BENEFITS

- Fully portable road towable unit
- Roto-Step cleaning system significantly extends bag life
- Easy access top for bag removal
- Over-temperature shut-down system
- Particulate emissions well within United States Environmental Protection Agency standards for hot-mix asphalt plants

## SPECIFICATIONS

	RA3-14	RA2-18	RA3-18	RA4-18
MAX. PLANT PRODUCTION		Up to 281 tph (254 mtph)	Up to 421 tph (381 mtph)	Up to 561 tph (508 mtph)
PRIMARY DUST	Inertial dust collector			
SECONDARY DUST	ROTO-AIRE® reverse air cleaning type bag filter			
NO. OF ROTO-STEP	3	2	3	4
ROTO-STEP DRIVES	3 x 0.5 hp (0.37 kW)	2 x 0.5 hp (0.37 kW)	3 x 0.5 hp (0.37 kW)	4 x 0.5 hp (0.37 kW)
FILTER MEDIUM	Aramid 14 oz/sq yd (474 g/sq m) bag			
NO. OF BAGS*	288	504	756	1008
MAXIMUM CLOTH AREA	5,380 ft <sup>2</sup> (500 m <sup>2</sup> )	9,979 ft <sup>2</sup> (927 m <sup>2</sup> )	14,969 ft <sup>2</sup> (1390 m <sup>2</sup> )	19,958 ft <sup>2</sup> (1854 m <sup>2</sup> )
MAXIMUM AIR FLOW*	29,000 ACFM (821 m <sup>3</sup> /min)	44,906 ACFM (1,271 m <sup>3</sup> /min)	67,360 ACFM (1,271 m <sup>3</sup> /min)	89,813 ACFM (1,271 m <sup>3</sup> /min)
TROUGH HOPPER AUGERS	2 x 8" diameter 2 x 7.5 hp (5.6 kW) drives		2 x 16" diameter 2 x 7.5 hp (5.6 kW) drives	
CROSS AUGER	1 x 9" diameter 1 x 3 hp (2.25 kW) drive		1 x 12" diameter 1 x 5 hp (3.75 kW) drive	
MAXIMUM FAN DRIVE	1 x 100 hp (75 kW)	1 x 150 hp (112 kW)	2 x 125 hp (112 kW)	2 x 150 hp (112 kW)
LENGTH	42 ft 6 in (12,852 mm)	41 ft (12,500 mm)	50 ft 4 in (15,340 mm)	60 ft 5 1/16 in (18,420 mm)
HEIGHT	14 ft 5 in (4,390 mm)			
WIDTH	9 ft 5 in (2,870 mm)	11 ft 10 3/4 in (3,630 mm)		
WEIGHT		43,340 lb (19,658 kg)	56,260 lb (25,519 kg)	63,860 lb (29,966 kg)

\* Each bag has a 19.8 sq ft (1.84 sq m) filter area. Maximum airflow is measured @ 4.5 : 1 A/C. Materials and specifications subject to change without notice.

### OPTIONAL EQUIPMENT

- High-density insulation with thick coverskin
- Pneumatic dust return system
- Screw conveyor dust return system
- Self-contained hydraulic erection system



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