



**SIMPSON**<sup>®</sup>  
TECHNOLOGIES

*Model #MC-150*  
*Simpson Multi-Cooler<sup>®</sup>*



### Description

The [Simpson Multi-Cooler](#) is the world's most popular sand cooling and pre-conditioning equipment. The Multi-Cooler is available in sizes to match operations ranging from small jobbing foundries to large-scale automated facilities.

### Features & Benefits

- Crib design insures "minimal sand" in the air plenum.
- Exterior of the crib and interior of the air plenum are fabricated from steel. The floor of the Multi-Cooler is constructed of abrasion resistant replaceable ceramic tiles.
- Eight plows faced with wear resistant carbide.
- An electromechanically actuated discharge door, which maintains sand discharge rate equal to charge rate.
- Automatic in-line moisture control.
- Dual drive, consisting of two speed reducers. The reducers are coupled to the vertical shafts with pin-type couplings, replaceable pins and bushings.
- A pneumatic disc clutch permits starting and stopping with a full load of sand.
- Centralized lubrication system.
- Dusthood, cyclone and PLC based controls.
- Discharge sand temperature at or below 120°F.
- Reduced variation in key sand properties.
- Reduced sand defects and scrap caused by hot sand.
- Reduction in bentonite consumption (w/optional BAS).



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**Technical Data**

<b>Specification</b>	<b>150MC</b>
Capacity (US) (Tons/hr)	150
Cooler Length	16'-5¼"
Overall Width	10'- 10 3/8"
Overall Height	12'-3¾"
Cooler Width	9'-9¼ "
Clearance Under Discharge Door	39¾"
Typical Fan Length	51½"
Typical Overall Length	23'- 8¾"
Drive Motor hp/rpm	100/1,200
Supply Fan hp/rpm/cfm	75/1,800/15,800
Exhaust cfm	19,700
Shipping Weight (lbs)	25,000