



**Just cut and snap in place!** Forget about custom fabricated heavy steel covers. OrangeShield's lightweight, snap-on design gives you the convenience of easy installation and cleaner motors with improved performance.



**OrangeShield motors covers maximize the heat transfer efficiency of the cooling fins resulting in more heat being drawn off the motor.** Thousands of our covers have been installed in paper and pulp mills, fertilizer plants, coal mines and other industrial environments.

**140% increase in airflow through cooling fins.** Independent studies for IEEE proved the use of Motor covers produces a 140% increase in surface airflow through the cooling fins. This results in lower drive-end bearing temperatures and lower internal winding temperatures.

**OrangeShield motor covers make maintenance easier** by keeping debris off your motors. You will spend less time cleaning motors and your motors will require less maintenance. Unlike heavy steel covers, our covers are lightweight so one person can handle them. The snap-on design makes installing and removing the covers a breeze.

## Key Features

- Increases airflow in cooling fins by 140%
- Lowers Drive-end bearing temperatures.
- Lowers internal winding temperatures.
- Keeps motors clean for easier maintenance
- Lightweight snap-on design for simple installation and no back injuries.
- Standard stock sizes for all NEMA frames
- Will not rust or corrode
- Independent test for IEEE proved the benefits of covers are real.
- Used for over 10-years in paper mills, coal mines, quarries, pulp mills and chemical plants worldwide.

**So simple.. All you need to know is the frame size!**

Stock sizes for the following NEMA motor frames:

182/184, 213/215, 254/256, 284/286, 324/326, 364/365, 404/405  
444/445, 447/449, 504/505, 586/587, 5007-5013, 6086-6808

*Don't see your frame.. talk to us about our custom fabrications*

On the web: [www.angeshield.com](http://www.angeshield.com)  
Toll Free: 800-899-2977  
Tel: 330.452.7400  
Fax: 330.452.7495



**Worthington Products, LLC**  
3405 Kuemerle Ave NE  
Canton, OH 44705-5074



www.orange shield.com

## 2008 OrangeShield Stock List

NEMA Frame Size	IEC Frame Equivalent	Cover Dimensions, Weight	US Dollars List Price	Canada Dollar List Price
48	71M / 80M	6.0" x 8.9/11" long, 2 lbs	<p>Call for Pricing and Discounts</p> <p>800-899-2977</p> <p>pmeeks@orangeshield.com</p>	
143, 145	90S,L / 100S, L	7.0" x 10.2/13" long, 2 lbs		
182, 184	112S, M	9.0" x 12.1/15" long, 3 lbs		
213, 215	112L / 132S, M	11.0" x 16.8/21" long, 4 lbs		
254, 256	132L / 160S, M	12.5" x 21.5/26" long, 6 lbs		
284, 286	160L / 180S, M	14.0" x 24.0/28" long, 7 lbs		
324, 326	200S, M, L	16.2" x 29.0/35" long, 9 lbs		
364, 365	225S, M, L	18.0" x 27.4/33" long, 11 lbs		
404, 405	250S, M, L	20.0" x 30.9/37" long, 14 lbs		
444, 445	280S, M	22.0" x 48"/52" long, 17 lbs		
447, 449	280 K, H	26.0" x 48.0/56" long, 31 lbs		
504, 505	315 S, M	25.0" x 39.5/47" long, 22 lbs		
586, 587	355 S, M	29.0" x 46.0/53" long, 28 lbs		
5009-5012	---	30.0" x 70.5/81" long, 32 lbs		

**How to Order:** Specify NEMA frame size, Motor Manufacturer (if known) Quantity and Color when ordering. *OPTIONAL: include equipment id and/or location description. This information will be marked on the inside of covers prior to shipment for easy on site identification.*

**Color:** OSHA Safety Orange

**Shipping:** FOB Canton, Ohio. Covers 48-505 shipped via UPS ground, 5009-5011 shipped via Common Carrier. All shipping as prepay and add unless otherwise specified.

**Terms:** Net 30 days with approved credit. A 1.5% LATE CHARGE plus and 18% APR FINANCE CHARGE will be assessed on outstanding balances.

**Payment:** Company Check, MasterCard, Visa, American Express

**Currency:** Canadian dollar rates are subject to change with changes in the exchange rate. Prices in Canadian dollars will be confirmed at time of order or quote. CDN prices are exclusive of all GST, PST, HST, broker fees, etc.

Mail/Fax orders to:

**WORTHINGTON PRODUCTS LLC**

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**WWW. ORANGESHIELD.COM**

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