in operating costs alone. . .



IT'S JUST LIKE GETTING A FREE TRANSFORMER IN ABOUT 10 YEARS!

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ASKAREL FIRE-RESISTANT TRANSFORMERS

Operate more economically than open dry types due to lower core and coil losses. Prove this statement to yourself by incorporating your own figures in the following example. The figures shown assume the same first cost of an askarel transformer and open dry types. (Askarel *transformers* are now quoted at the same price as 150°C. open dry types.)

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TYPICAL EXAMPLE

1,000 KVA, 3 phase, 60 cycle, 13,800 to 480 Y volts.
Transformer first cost assumed about $8,500.

UNIT	CORE LOSS (Watts)	COIL LOSS (at 100% Load) (Watts)
Open Dry Type	4,200	18,500
Askarel Unit	2,900	12,500

(A) BASED ON A 75% LOAD FACTOR, COIL LOSSES ARE APPROXIMATELY AS FOLLOWS:

Open Dry Type.....18,500 x $(.75)^2$ = 10,400 WATTS

Askarel Type.....12,500 x $(.75)^2$ = 7,000 WATTS

COIL LOSS DIFFERENCE.....3,400 WATTS

TOTAL CORE AND COIL LOSS DIFFERENCE
IN FAVOR OF ASKAREL.....4,700 WATTS

BASED ON AN 8,700 HOUR YEAR OPERATION:

4,700 x 8,700 — 41,000 KWHR (Approx.)

ASSUMING POWER COST IS $0.015 PER KWHR:

THE SAVINGS EACH YEAR IS $615.00 . . . or THE ASKAREL TRANSFORMER FIRST COST IS PAID FOR IN ABOUT 10 YEARS.*

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*This annual savings compounded at 6% per year.

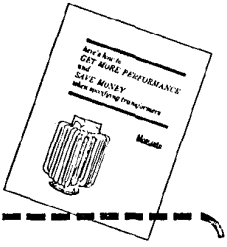
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Want the complete story on how you can save money when specifying transformers? Ask your transformer supplier for the story on his askarel units before your next job . . . and we'll be happy to send you the details on how you can save many dollars with askarel, in addition to getting:

- Fire Resistance
- Added Safety Against Power Failure
- Quietness
- Low Installation and Maintenance Costs
- Freedom of Location
- Over 30 years of Trouble-Free Operation

Just mail us the coupon below:

Monsanto Company
Dept. 323 Functional Fluids
800 N. Lindbergh Blvd.
St. Louis, Missouri 63166



Please send me your brochure on how to save money when specifying transformers.

Name / Title

Company

Address

City / State / Zip

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St. Louis, Missouri 63166

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