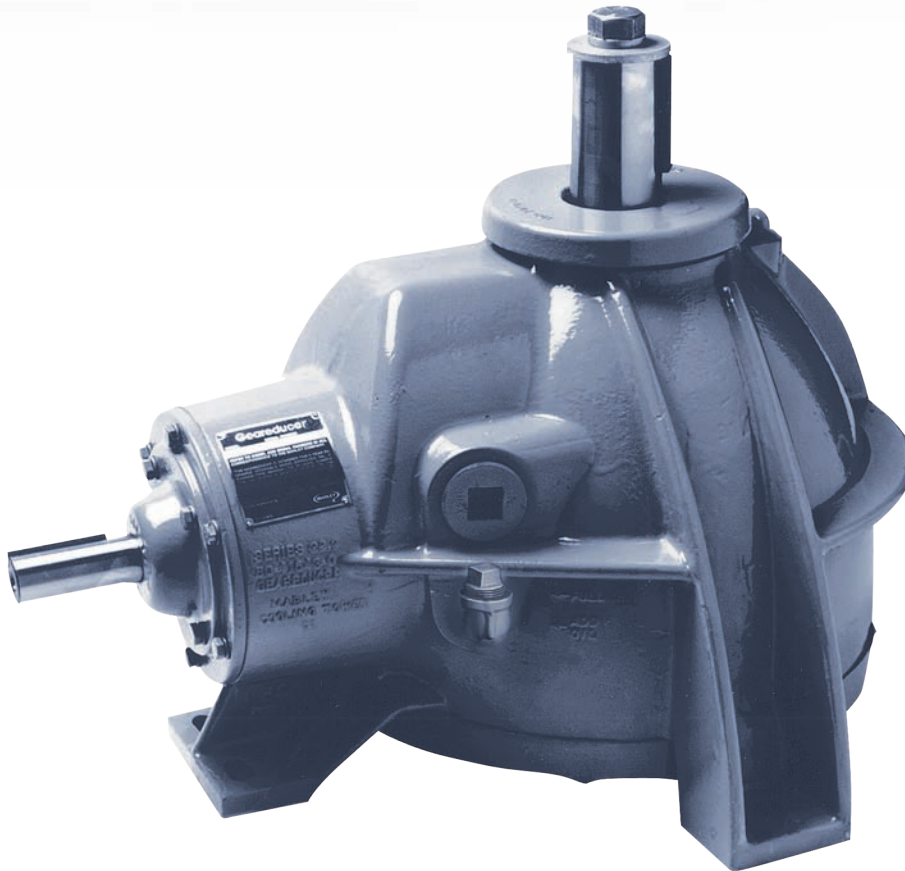


# System 5 Geareducer<sup>®</sup>

SINGLE REDUCTION GEAR BOX FAN DRIVE





*A Great Maintenance Reducer, too.*

## **Marley System 5 Geareducer**

For over 50 years, the Marley Geareducer has been manufacturing reliable geared speed reducers—designed specifically for cooling tower service.

The reliability of the Geareducer comes from more than 100,000 units of experience, and from attention to exacting quality standards of design and manufacturing. Today, every Marley Geareducer is run-in under load at our factory. Then, it's inspected and adjusted before shipment.

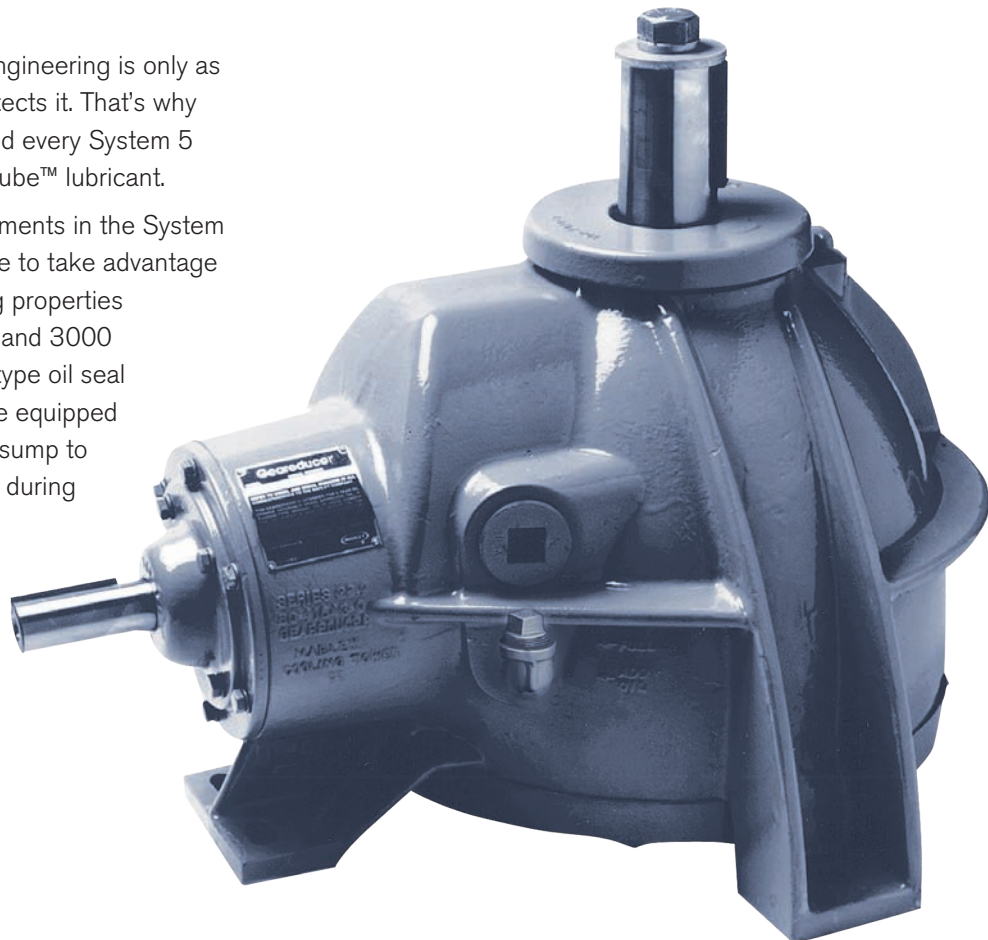
SPX Cooling Technologies knows when it has a good thing, but that doesn't keep us from continuing to make it better.

Outstanding Geareducer engineering is only as good as the lubricant that protects it. That's why we took the next step and filled every System 5 Geareducer with Marley Gearlube™ lubricant.

In addition, several improvements in the System 5 Geareducer have been made to take advantage of the extraordinary lubricating properties of Gearlube. The 2000, 2250 and 3000 Geareducer models use a lip-type oil seal for extended service life. We've equipped it with a strong magnet in the sump to trap metal particles generated during the initial break-in period.

The System 5 Geareducer Reduces Costs and Maintenance, Too

The System 5 Geareducer makes your life simpler in a lot of ways. Fluid costs are reduced because it lasts longer than ordinary fluids. Labor costs and downtime are reduced because it requires fewer fluid changeouts in its lifetime. That means reduced waste stream and environmental problems.



## How The Marley System 5 Geareducer Stacks Up Against The Alternatives

### ■ Compared To Other Competitive Commercial Gear Reduction Units

Reliability is extremely high – maintenance costs are uncomparably low.

### ■ Compared To V-belt Drives

No matter how “multiple” the belts are, belt drives waste energy through belt slippage, they annoy neighbors with their squealing and they require monthly checks and quarterly tension adjustments. Not to mention costly belt replacements.

### ■ Compared To Anything Else

The Geareducer, filled with Gearlube lubricant, runs circles around other fan drives for convenience and lifetime value.

Choosing Marley saves you time, money and the trouble of keeping records for numerous component suppliers (or chasing down multiple suppliers for service).



## Filled with Reliability

Marley Gearlube™ is a premium quality synthesized hydrocarbon lubricant that is specially formulated to deliver extended life without oxidation or loss of lubricity. It is free of undesirable elements that can produce sludge, deposits and corrosion—and a superior extended life lubricant than petroleum oil.

The advanced formulation of Gearlube can extend the service life of any gear box, especially the System 5 Geareducer.

## Our Exclusive Five Year Warranty

The Marley System 5 Geareducer, filled with Marley Gearlube, is warranted for a full five (5) years, regardless of service hours, against failure from oil degradation. At the end of five years of operation, we recommend that you replace the lubricant with genuine Marley Gearlube for continued reliability.

*Warranty is not extendable past the initial 5-year period.*

# Specifications

Ratio	Capacity* in horsepower (hp)		
	Model 2000	Model 2250	Model 3000
2.71	50		
3.27	50		
3.45		122	
3.75	40		
3.79		112	
4.09	34		
4.1		103	
4.56		88	
4.8	27		
5.06			150
5.11		80	
5.44			150
5.5		75	
6.12		60	
6.14			150
6.5		55	
6.85			150
7.33		40	
7.91			150
8.67		31	
8.8			131
9.6			113

\*AGMA S.F. = 2.0

Rated Input Speed: 775

Contact us for rated capacities for other input speeds

## How to Specify

The following language will exhibit your intention to purchase a cooling tower with a gear reduction unit to allow the motor to run the fan at the correct speed:

*"The fan shall be driven through a right-angle gear reduction unit that enables the motor to operate in a shaft-horizontal position. The speed reducer shall be equipped with spiral bevel gears operating in an oil bath, and the action of the gears shall provide lubrication to the bearings and other internal components. Gear casing shall be epoxy-coated cast iron, and shall be equipped with fittings to facilitate filling and draining.*

*The gear reduction unit shall be designed and manufactured specifically for cooling tower use, and shall be warranted against operational failure for a period of five (5) years resulting from oil degradation. Speed reduction by the use of V-belts and pulleys will not be considered appropriate for this application."*

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In the interest of technological progress, all products are subject to design and/or material change without notice

ISSUED 1/2013 **SYS5-12A**

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