

GEAREDUCER

THE COMPARISON

MARLEY®		AMARILLO®
Marley System 5 Geareducers allow you to operate 5 years before changing the synthetic oil	SINGLE REDUCTION OIL CHANGES	Original oil should be replaced after just 500 hours or 4 weeks of operation. Afterwards, intervals of 2 or 3 months may be required for a very moist atmosphere*, resulting in up to \$3,636 more in annual oil change costs
Oil should be replaced every 3,000 hours	DOUBLE REDUCTION OIL CHANGES	Original oil should be replaced after just 500 hours or 4 weeks of operation. Afterwards, intervals of 2 or 3 months may be required for a very moist atmosphere*, resulting in up to \$1,419 more in annual oil change costs
Marley Geareducers use double row interstage shaft bearings that yield 3x the bearing life of single row bearings**	DOUBLE REDUCTION BEARING LIFE	Amarillo uses single row interstage shaft bearings **
Marley 32.2 is 87 dBA (7 dBA less than the Amarillo A32, which translates to 80% lower sound)	GEAR SOUND (BASED ON THIRD PARTY TEST RESULTS)	Amarillo A32 is 94 dBA
Marley 36 has 47% more surface area and larger oil passageways than the Amarillo A36, to ensure maximum service life	TEMPERATURE	Amarillo A36 has 47% less surface area than Marley 36 along with smaller oil passageways
Marley Geareducers have a single piece spiral bevel gear head integrated with the pinion shaft for maximum strength	INTEGRAL PINION	Amarillo A36 has a keyed gear for connection to the pinion shaft, resulting in multiple components and increased stress concentrations
Geareducers do not require an external vent line	VENT LINE	An external vent line is required in "wet towers"

REFERENCE:

* Per Operation and Maintenance Instructions for Amarillo Cooling Tower Drives OMC 1/11 • ** Based on current Timken bearing rating method for Marley Series 4000 vs. Amarillo A36.