

SERIES 9060

MODEL RAG

RIGHT ANGLE GEAR DRIVES

Sizes: 100 HP to 500 HP
 Shaft Sizes: 2-15/16 Inches

Services:
 Fire Protection



DOME

- Heavy duty cast iron designed to be easily removable but protect the entire assembly from wind, rain and dust
- Entire right angle gear drive housing can be marine coated for harsh environmental installations

THRUST BEARING

- Oversized and heavy duty, duplex (or triplex) angular contact bearing assembly
- Bearing arrangement engineered for maximum downthrust applications
- Completely lubricated by the worm gear assembly in the oil sump

SHAFT ASSEMBLY

- Hollow shaft assembly for connection to the pump assembly
- Shaft size range from 1-3/16 through 2-15/16 inches

HELICAL GEARS

- Precision machined and lapped helical gear arrangement
- Heat treated for maximum hardness and extended life
- Multiple ratios available:
 Increasing - 1:2, 4:7, 2:3, 3:4, 4:5, 5:6, 10:11, 1:1
 Decreasing - 11:10, 6:5, 5:4, 4:3, 3:2, 5:3, 7:4, 2:1, 9:4

OIL COOLING COIL & PIPING

- Heavy duty oil cooler with multiple loops to cool the entire oil sump
- Piping manifold distributes oil to the horizontal & thrust bearing locations
- Oil gravity feeds back to the sump to be circulated again

OIL LUBRICATION

- Oversized oil sump for superior cooling of all horizontal and vertical roller bearings in the housing assembly
- Worm gear oil pump pumps oil from the sump through tubing to all roller bearing locations
- Large, exterior connections to connect the cooling coil to the pumping assembly
- Marine cooling loop available for sea water applications

COUPLING

- Supplied standard in high tensile ductile iron
- Heavy duty thickness for high horsepower applications
- Shaft size range from 1-3/16 through 2-15/16 inches
- Non-reverse ratchet standard to stop the pump assembly from turning in reverse and damaging components

LIFTING LUGS

- Standard lifting lugs for easy lifting and installation or removal

O-RING CONSTRUCTION

- Multiple o-rings for maximum protection
- Precision machined and superior to paper gaskets
- Stops oil from leaking through component connections

HORIZONTAL SHAFT

- Supplied in standard high chrome steel
- Keyed for easy assembly to coupling or driveshaft assembly
- Shaft size range from 1-7/8 through 3 inches

BEARINGS

- Heavy duty roller bearings designed to support the shaft assembly
- Oversized with ample safety factor
- All bearings are oil lubricated from the oil sump for superior lubrication
- Double lip oil seals protect the bearing assemblies from outside contamination

