



MODEL SR2347E

SPEED REDUCER

Product Description:

Model SR2347E is a single-stage reduction gearbox designed for direct mounting to industrial engines via an SAE flange and driven in standard engine rotation (CW facing input shaft). This unit incorporates an idler shaft to provide output rotation same as input. The SR2347 model series features a **Cotta multi-disc wet type master-clutch** and is coupled to the engine via a torsional dampener. Clutch control is achieved with an integral 24VDC on/off solenoid. Tabulated below are nominal power and speed capacity together with standard options. Contact Cotta to discuss other options or specialized requirements.

OUTPUT ROTATION:	Same as input.
MAX INPUT TORQUE:	2600 lb-ft.
MAX INPUT SPEED:	2200 RPM or as otherwise limited by flywheel coupling.
RATIO RANGE:	1.28 to 3.0
OUTPUT SHAFT SIZE:	4.000" dia., 9" long, 1" X 1/2" keyway.
OUTPUT SHAFT LOCATION:	6 o'clock std, 12, 3, and 9 o'clock optional
SAE HOUSINGS:	#0, #1
*FLYWHEEL COUPLINGS:	Torsional coupling
REAR SUPPORT:	Integral foot mounting provided.
LUBRICATION:	Customer to supply 9-12 GPM, 350 PSI capable pump
CLUTCH ACTUATION:	24VDC
SENSING:	Optional data collection: speed sensor, temperature, pressure, J1939 CAN connection
COOLING:	Oil/water shell-and-tube cooler furnished.
**SIDE LOAD CAPABLE:	Yes. Contact Cotta for specs and limits.
***APPROXIMATE WEIGHT:	1600 lbs.

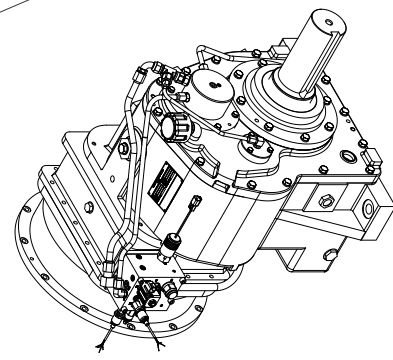
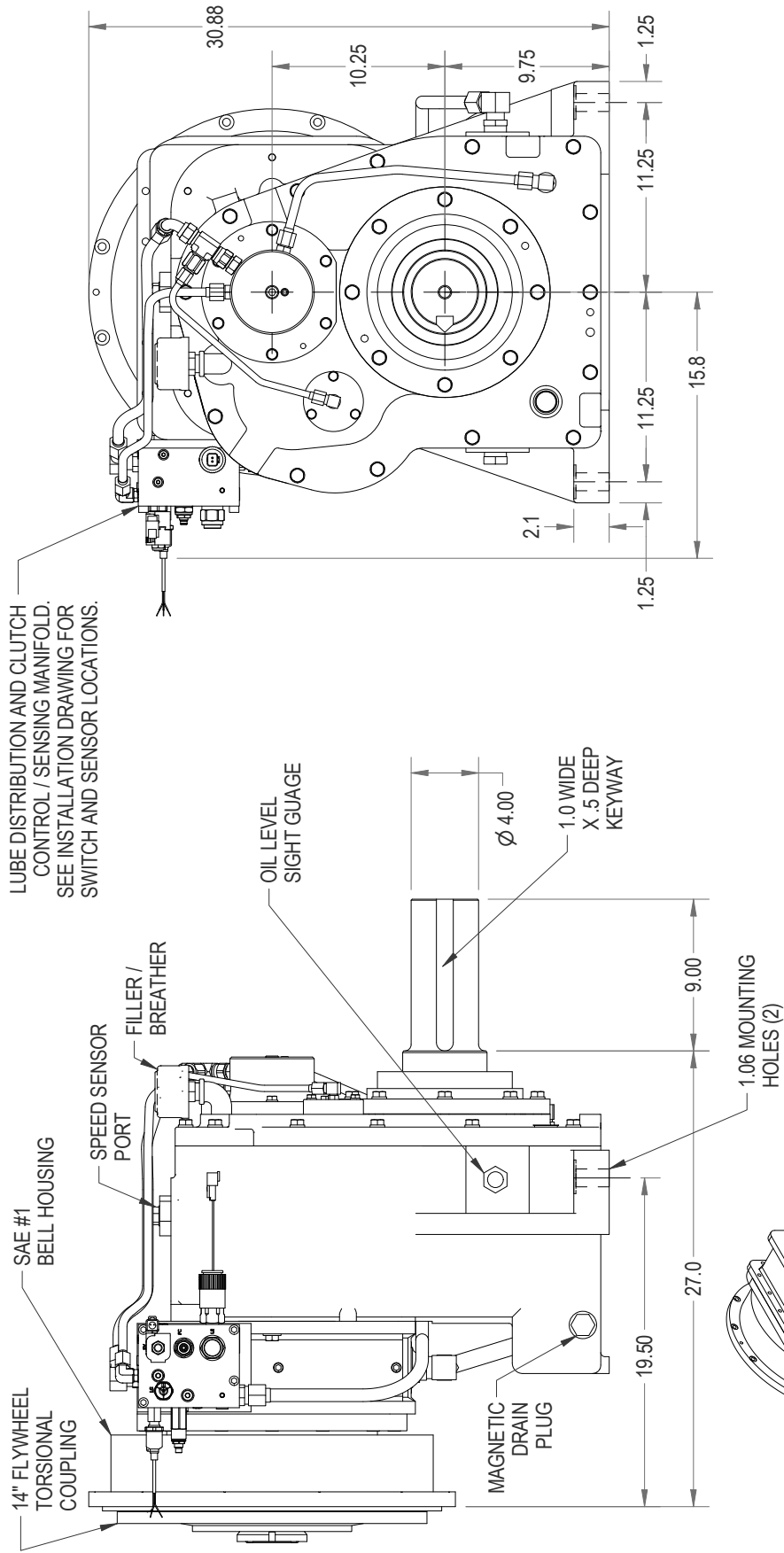
* Flywheel coupling selection requires Cotta technical review and approval.

** Some speed reducers output shafts are suitable for chain or belt side pull drives while others are not. Provide complete application details to Cotta for recommendations and approval.

*** Weight listed is an average. Actual weight can vary substantially with options such as SAE housing size and flywheel coupling choice.



This drawing shows general arrangement and approximate space claim. Do not design or lay out using this drawing. Use only certified drawings provided by Cotta Engineering.



SR2347E DRAWING