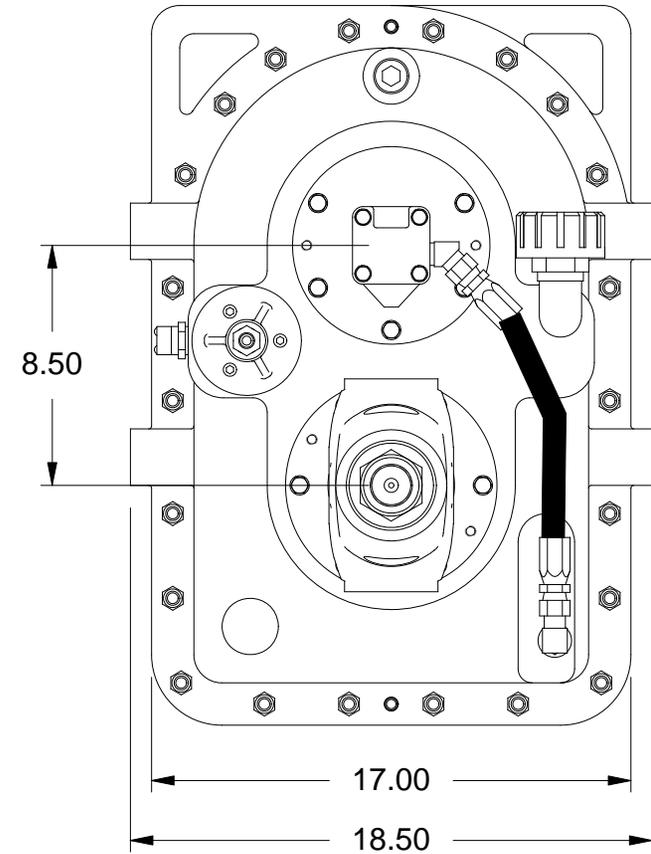
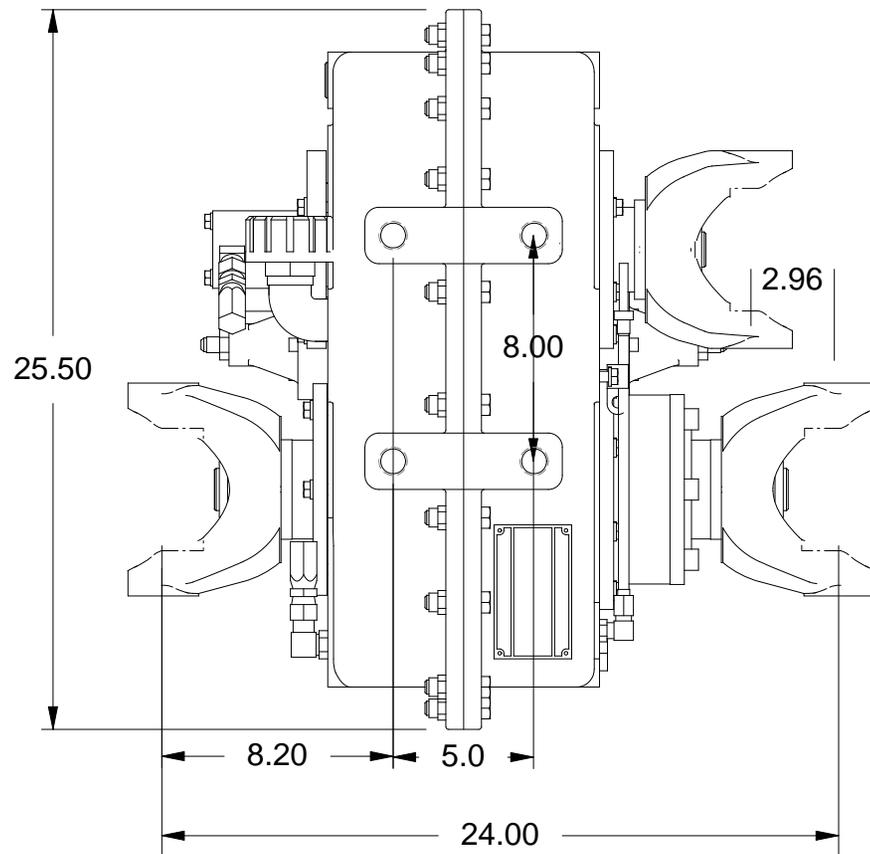


Model TR2090 is a heavy duty two gear split shaft PTO designed to allow the main engine to both propel the truck to the work site and then shift to PTO mode to power auxiliary deck equipment such as pumps, blowers, drills etc. The gearbox mounts between the trucks transmission and the rear axle. Power is directed to the rear axle or to the PTO shaft, but not to both at the same time. An anti-kick out feature Insures that it will not "walk" out of either the PTO mode or the driving mode as long as torque is applied to the input shaft.

The gears are constant mesh with a sliding clutch used to select PTO or drive modes. The gears are helical, carburized, and precision ground for high strength and quiet operation. The case is cast iron and the bearings tapered roller throughout

Nominal HP:	550
Max input speed:	3000
Center distance :	805
Ratio input to output:	1:1.08, 1:1.59 overspeed
Lubrication:	Pump/splash
Input shaft:	2.75X10
Output shaft:	2.75X10
Weight:	500 lbs.
Options:	Flanges, yokes, shafts, pump pads.

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



TR2090 Split Shaft PTO