

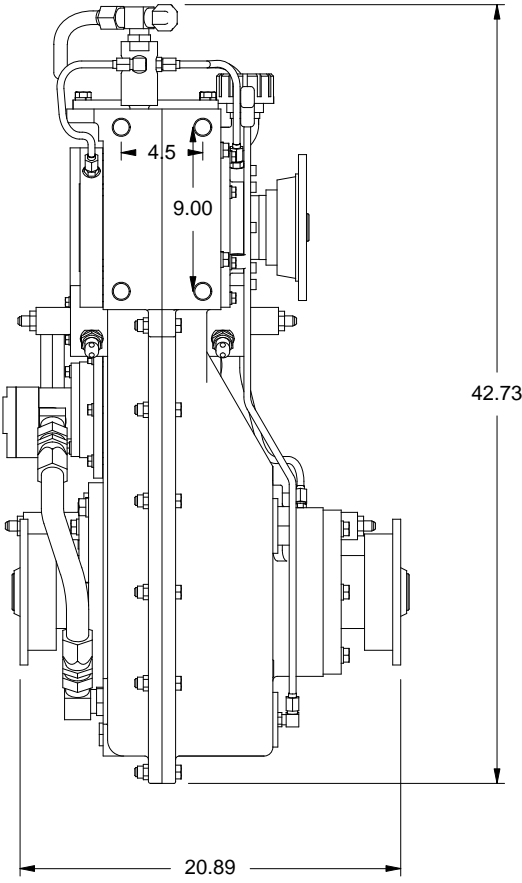
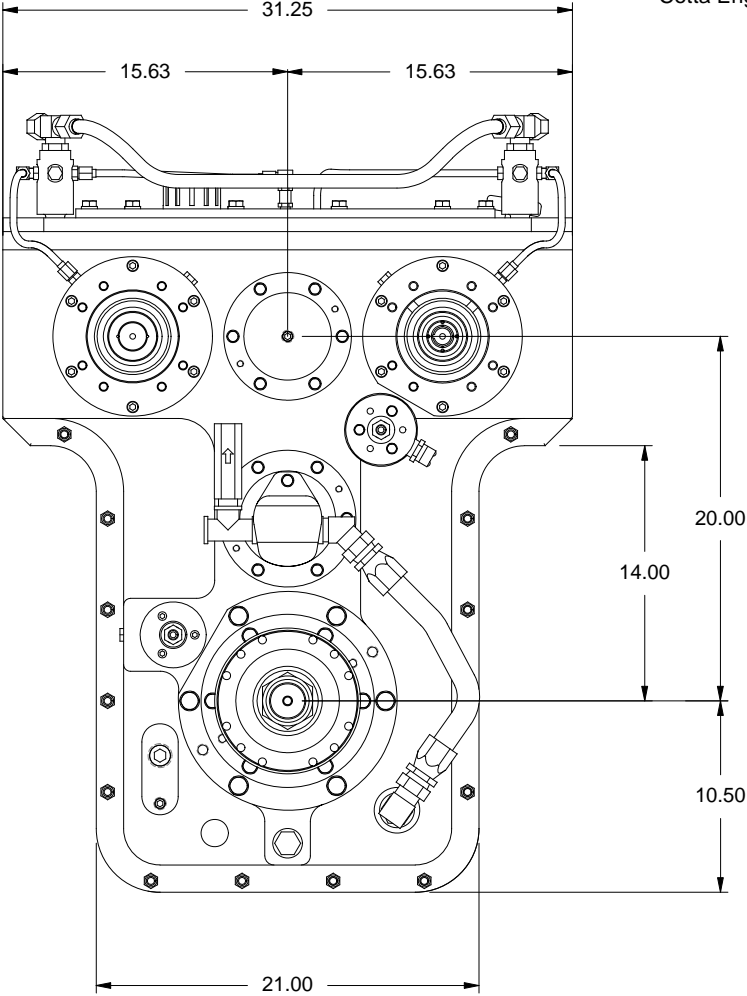
Model TR2165 is a heavy duty split shaft transfer case is designed to allow the main engine to both propel the truck to the work site and then shift to PTO mode to power the auxillary equipment such as pumps, blowers, drills etc.

The gearbox mounts between the trucks transmission and the rear axle. Power is directed to the rear axle or to the PTO shaft, but never to both at the same time. This is a positive safety feature. 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 helical, carburized, and precision ground for high strength and quiet operation. The case is cast iron and the shaft bearings tapered roller throughout. The TR2165 is a severe service gearbox capable of supporting several PTO options including pumps, shafts, and clutches. An optional top section with air clutch is also available.

Nominal HP:	550
Max input speed:	3000
Center distance :	20 inches
Ratio input to output:	1:1
Ratio to PTO or pumps:	1:1
Lubrication:	Pump/splash
Input shaft:	3" x 23
Output shaft:	3" x 23
Disconnects included:	Customer specified
Weight:	1450 lbs approx.
Options:	Yokes, flanges, disconnects, pump pads, shafts

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.



TR2165 Split Shaft PTO