

TH55-E90 TH55-E70

PETROLEUM TRANSMISSION

Input Power 2462 kW (3300 hp)

Input Torque 12 677 N•m (9350 lb-ft)

POWER FOR THE WELL SERVICE INDUSTRY

A LOW COST OF DOING BUSINESS

- World-class reliability and durability — built with a robust cast iron casing making them the perfect fit for more rugged, harsh duty applications
- Significantly more hours to overhaul than other well service competitors
- Features warm-up mode, which gets you up and running faster

MAKING YOUR INVESTMENT WORK HARDER

- More peak power operating points throughout pumping range
- TH55-E90 and TH55-E70 share connection points and overall dimensions
- Optimized for petroleum pumping applications
- Evenly spaced gear ratios provide smooth shifting for pumping
- Provides a much broader range of pumping speeds than the competition
- Deep first gear ratio ideal for application flexibility, allows pumping at lower flow rates and pressure
- Integral features ease installation
 - Rigid mounted filters reduce number of customer connection points
 - Torsional coupling protects driveline from abusive vibration
 - Integral pump drive eliminates the need to use third-party PTO

IMPROVING WORKFORCE EFFICIENCY

- Engine-transmission diagnostics via Cat® Electronic Technician streamlines support
- Transmission design proven in a number of demanding industries
- Improved operator interface with state-of-the-art controls designed specifically for the well-frac industry
- Standard features improve operator safety
 - Over pressure quick to neutral functionality
 - Output brake
 - Lock-up clutch disable
- Electronic controls prevent operation in an inappropriate gear

FULLY INTEGRATED PETROLEUM SOLUTIONS

- Easy integration with Cat engines for optimized power train
- Designed specifically to work with Cat 3512C and 3516C for optimum performance in the oilfield
- Streamlined service
 - Same warranty for engine, transmission, integral PTO, and torsional coupling
 - One-source supplier, one-source service



Gear Ratios

TH55-E90

1F ... 4.67 3F ... 3.03 5F ... 2.22 7F ... 1.64 9F ... 1.00

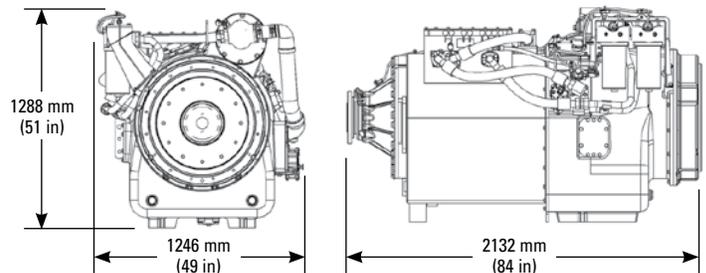
2F ... 3.43 4F ... 2.53 6F ... 1.85 8F ... 1.36

TH55-E70

1F ... 6.25 3F ... 3.38 5F ... 1.83 7F ... 1.00

2F ... 4.59 4F ... 2.48 6F ... 1.36

DIMENSIONS



Length of Drive Train	1961 mm	77 in
Overall Length	2132 mm	84 in
Width	1246 mm	49 in
Height	1288 mm	51 in
Weight	3053 kg	6,730 lb

Note: Do not use for installation design. See general dimension drawings for detail.

Weights and dimensions are approximations.