

# 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

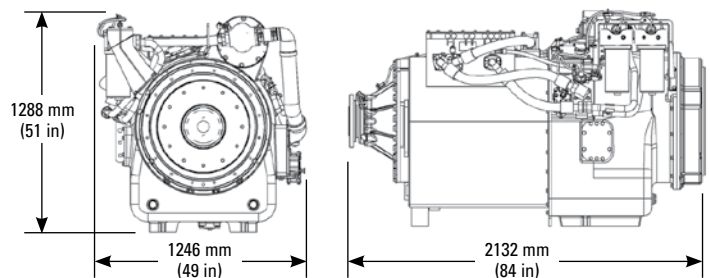
##### TH55-E90

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



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

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

Weights and dimensions are approximations.