

Performance
DURABILITY ◀
Reliability

PG145 ◀

Powershift Transmission

SPECIFICATIONS

FEATURES

- New, high performance design 'best in class'
- Designed for Telescopic Handler applications
- Off- set output design feature to allow the transmission and the engine to be positioned outside the line of the axles
- Precision helical gearing maximises contact surface, reducing noise and increasing reliability
- Taper roller bearings increase load capacity
- Hydro-mechanical, modulated gears for increased productivity

DESIGN BENEFITS

- 6 speeds forward, and 3 reverse speeds
- Smooth shifting to reduce operator fatigue
- Directional change without braking
- Electronic controller supplied complete with:
 - Illegal shift and start inhibits
 - 'Kick down' and hold to lower gear
- Geared pump drive allows auxiliary pump installation
- Flexible gear ratios to optimise performance
- 4 Wheel drive high performance transmission delivers high torque for enhanced gradability

PG145 Specifications

RATINGS

Ratings Input Power	145hp /110kW
Rating Input Torque	627 lb.ft / 850Nm
Rated Input Speed	2,400 rpm
Maximum Input Speed	2,600 rpm
Minimum Input Speed	600 rpm

All Ratings Subject to Duty Cycle and Application Approval.

POWER TAKE OFF

Mountings	SAE "B" 2 Bolt Drive on Rear of Transmission
Rated Power	80 hp / 59 kW

CLUTCHES

Clutches	Electro-Hydraulic, Oil-Cooled, Multidisk
----------	--

GEARS

Gearing Type	Helical
--------------	---------

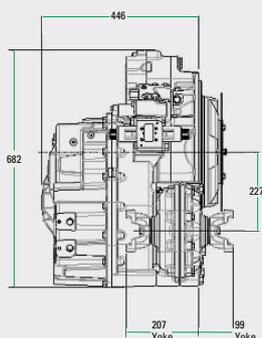
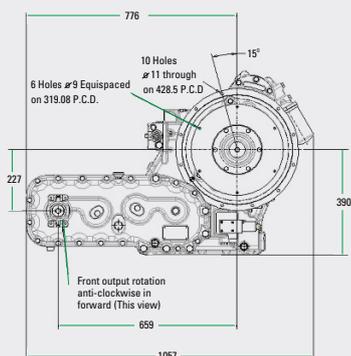
Standard Gear Ratios

1F	3.94	4.87	3.94	3.59
2F	2.63	2.48	2.01	1.83
3F	2.01	1.06	0.86	1.22
4F	1.34	0.71	0.57	0.87
5F	0.86			
6F	0.57			
1R	3.94	4.87	3.94	3.59
2R	2.01	2.48	2.01	1.83
3R	0.86	1.06	0.86	0.877

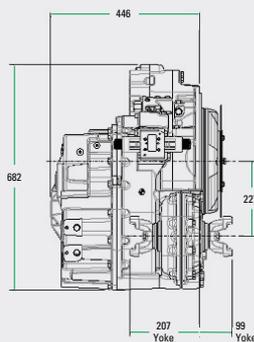
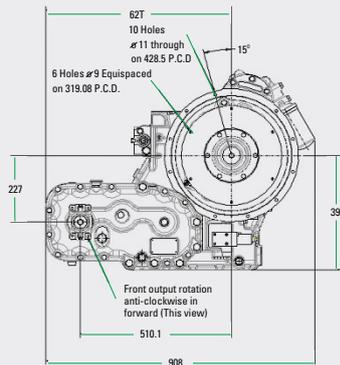
OPTIONAL FEATURES

- Sequential shift electronic controller
- Fully modulated control valves
- 4 forward, and 3 reverse gears
- Speed sensor
- Temperature sender
- Pressure sender
- Torque converter
- SAE 1410 or 1480 output yokes
- Transfer case: 'long' 4 gear 658.9mm or 'short' 3 gear 510.1mm
- 'Spin-on' oil filter

PG145 Long Technical Specification



PG145 Short Technical Specification



Turner Powertrain Systems

Racecourse Road, Wolverhampton
United Kingdom WV6 0QT

Tel: +44 (0) 01902 779233 Sales
Tel: +44 (0) 01902 779234 Spares

email: turner_sales@cat.com
web: www.turner-powertrain.co.uk

