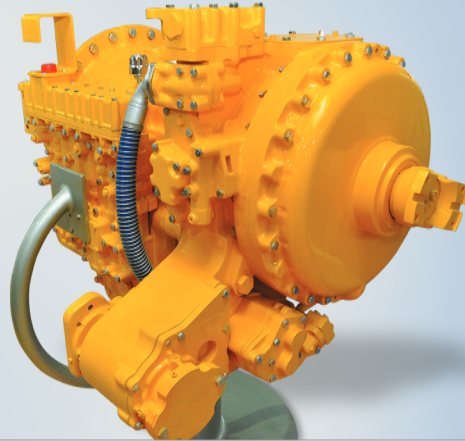


AVTEC 6600 Series Transmission



RATINGS

Application	Input Power hp (kW)		Input Torque lb-ft (N.m)		Turbine Torque lb-ft (N.m)
	Gross	Net	Gross	Net	Net
Hauling Applications	760 (567)	710 (529)	2500 (3390)	2270 (3078)	3790 (5139)
General	760 (567)	710 (529)	2500 (3390)	2270 (3078)	3790 (5139)
Agricultural Tractor	700 (522)	650 (485)	2000 (2712)	1860 (2522)	3340 (4528)
Aircraft Rescue (ARFF) Vehicle	1025 (764)	975 (727)	3300 (4474)	3000 (4068)	5200 (7050)
Oil Field General	760 (567)	710 (529)	2500 (3390)	2270 (3078)	3790 (5139)
Oil Field Dual Mode	900 (671)	850 (634)	2750 (3729)	2300 (3118)	4000 (5423)
Oil Field Stationary	900 (671)	850 (634)	2750 (3729)	2300 (3118)	4000 (5423)

DRIVETRAIN INTERFACE

Acceptable full load engine governed speed (max)	1900 - 2500 rpm
Minimum engine idle speed range (with transmission in drive)	550 rpm

MOUNTING

DIRECT

SAE No 1 automatic flywheel housing with flex plate drive.
Cradle mounting using engine flywheel housing mounting pads and rear cover mounting pads with 0.625-11 inch series bolts.

REMOTE

Side pads on transmission rear cover plus front trunion mount.

TORQUE CONVERTER			MECHANICA RATIOS		
Type	Single stage, Three element , Polyphase		(Gear ratios do not include torque converter multiplication)		
Model	Stall Torque Ratio	Kp-Factor* at Stall	First	4.00:1	
TC - 680	2.08	54.6 (46.9)	Second	2.68:1	
TC - 682	1.77	43.7 (37.5)	Third	2.01:1	
TC - 683	1.85	35.1 (30.1)	Fourth	1.353:1	
Kp-Factor defines torque converter capacity			Fifth	1.00:1	
Kp= the ratio of converter pump speed (rpm) divided by the square root of the pump [lb-ft (N.m)].			Sixth	0.67:1	
			Reverse 1	-5.15:1	
			Reverse 2	-3.46:1	
			Ratio Coverage		
			Forward	5.97	