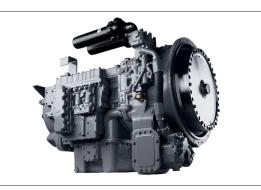


9800 Series



odel Field Pumping n Installation)	Input Power gross 1600 (1193)	hp (kW) net 1500 (1119)	Input Torque gross 5000 (6779)	lb-ft (N•m) net 4725 (6406)	Turbine Torque Net Ib-ft (N•m) 6700 (9804)
1 0	1600 (1193)	1500 (1119)	5000 (6779)	4725 (6406)	6700 (9804)
			· · · ·	· · ·	
Field Pumping	1750 (1305)	1600 (1193)	5250 (7118)	4870 (6603)	7000 (9491)
Field Pumping	2350 (1752)	2250 (1678)	6300 (8542)	6100 (8270)	7550 (10,235)
-	ield Pumping	ield Pumping 2350 (1752)		ield Pumping 2350 (1752) 2250 (1678) 6300 (8542)	ield Pumping 2350 (1752) 2250 (1678) 6300 (8542) 6100 (8270)

ENGINE INTERFACE

Acceptable full-load engine governed speed

Minimum engine idle speed range (with transmission in Drive)

MOUNTING

Direct SAE No. 0 automatic flywheel housing with flexplate drive. Cradle mount using engine flywheel housing mounting pads and transmission rear cover mounting pads with 0.625-11 inch series bolts

Remote Side pads on transmission rear cover plus front trunnion mount

TORQUE CONVERTE	R		MECHANICAL RATIOS (Gear rat	ios do not include torque converter multiplicat
Туре	Single stage	e, three element, polyphase.	Range	
Model	Stall Torque Ratio	Kp-Factor* at Stall	First	3.75 : 1
TC-1060	1.86	39.1 (33.6)	Second	2.69 : 1
TC-1070	1.78	30.5 (26.2)	Third	2.20 : 1
TC-1078	1.84	28.6 (24.5)	Fourth	1.77 : 1
TC-1080	1.61	25.8 (22.2)	Fifth	1.58 : 1
			Sixth	1.27 : 1
			Seventh	1.00 : 1
			Eighth	0.72 : 1
			Reverse	Not Available
	onverter capacity. Kp = the ra		Ratio Coverage	
speed [rpm] divided by the	square root of the pump torq	ue [lb-ft (N•m)]	Forward	5.21

CONTROL SYSTEM Description

Manual electric

1800 – 2100 rpm

550 rpm

OPTIONAL ENGINE-DRIVEN POWER TAKE-OFF PROVISION¹
--

Side mount

Side mount		
Location		5 o'clock position, as viewed from rear
PTO drive gear rating	Intermittent	59 tooth drive gear, 400 hp (298 kW)
	Continuous	59 tooth drive gear, 300 hp (224 kW)
Top Mount		
Location		12 o'clock position, as viewed from rear
PTO drive gear rating	Intermittent	59 tooth drive gear, 400 hp (298 kW)
	Continuous	59 tooth drive gear, 300 hp (224 kW)

ELECTRONIC SPEEDOMETER PROVISION Description Location SIZE Depth (below horizontal centerline)

Length (direct mount) ^{2,3}		55.5 in (1411 mmn)
Width		35.1 in (892 mm)
	Height	Dry Weight
Basic model	35.3 in (896 mm)	3700 lb (1678 kg)
With direct mount filters	39.8 in (1011 mm)	3700 lb (1678 kg)
With top engine-driven PTO drive gear		3730 lb (1692 kg)
With remote mount		3780 lb (1714 kg)

OIL SYSTEM

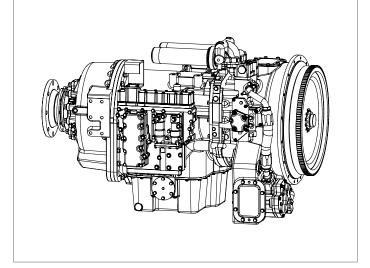
Oil type	TES 439, (See " <u>www.allisontransmission.com</u> " for approved list)
Capacity excluding external circuits	21.0 gallons (79 litres)
Main circuit oil filter	
Standard	Manifold for full-flow, remote mounted, Replaceable element
Optional	Direct-mount full flow, replaceable elements (2)
Cooler circuit oil filter (optional)	Replaceable element, remote-mounted

1. PTO ratings apply to both top and side. Combined totals cannot exceed individual ratings.

2. For remote mounting, add 11 in (279 mm).

3. Length is approximate from engine/converter mounting surface to face of typical output flange.

9000 Series





Magnetic speed sensor, 41 pulses per output shaft revolution

Output signal from transmission TCM

20.9 in (531 mm)

Information or specifications subject to change without notice or obligation.