

CT 100 (100HP) Powershift Cycling Transmission



SPECIFICATIONS

General Rating+	
Input power max net	100 HP (74.5 kW)
Input torque max net	221 lb ft (300 Nm)
Input speed max net	2500 rpm

ROTATION

Input (viewed from input)	Clockwise
Output (viewed from input)	Counter clockwise (forward range)

MOUNTING

Front	Converter housing SAE- 3
Rear	2 sides on frame
Output flange	Mechanic 6C / Spicer 1410

GEAR RATIO

	2F/2R	3F/3R
Forward 1 & Reverse 1	6.674:1	6.674:1
Forward 2 & Reverse 2	2.583:1	2.583:1
Forward 3 & Reverse 3		1.000:1

TORQUE CONVERTER

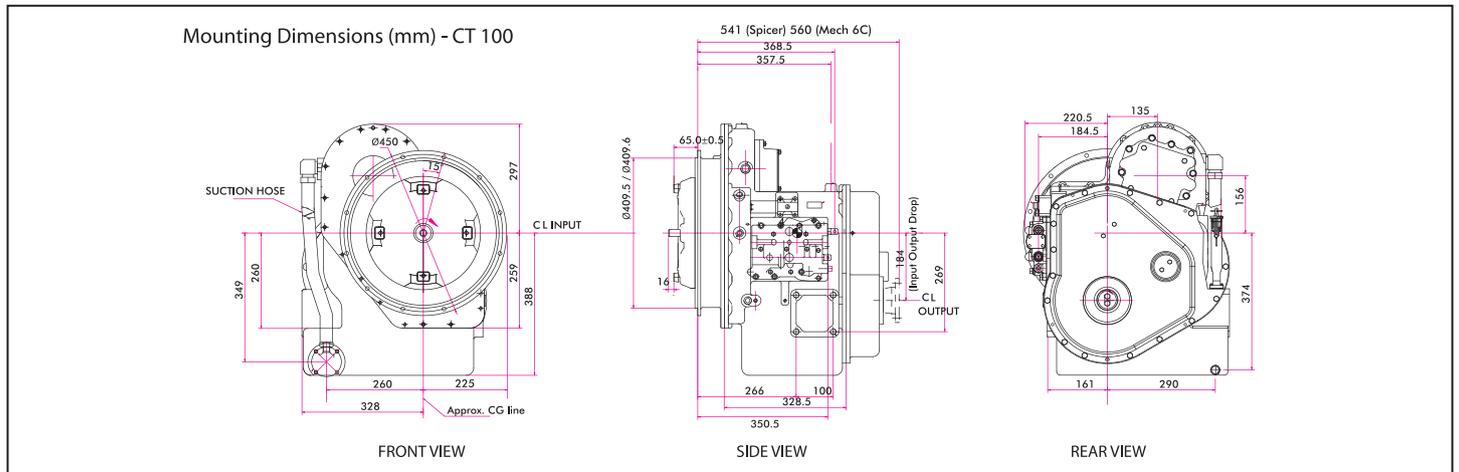
Stall torque ratio	2.870:1
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POWER TAKEOFF PROVISION

Implement pump drive ratio	1.00 x engine speed
Power@ 2000-2500rpm	60HP max intermittent
Power@ 2000-2500rpm	49HP max continuous
Mounting pads	SAE B 2 Bolt mounting
Spine size	SAE C or splines (1:1)

+Rating may vary by vocation. Consult AVTEC Marketing Department for specific information.

APPLICATION : FORKLIFT



CLUTCH DATA

Type	Multidisc, Hydraulically applied, Spring released, Oil cooled, Automatically Wear Compensating
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CONTROL VALVE BODY ASSEMBLY

Clutch cutoff	Hydraulic or Pneumatic actuated
Shifting	Mechanical

OIL SYSTEM

Oil type	C4 SAE30
Capacity	13 litres (plus external circuit)
Oil pump	Input driven, positive displacement, gear type
Main oil pressure	200Psi
Converter in oil pressure	70-110 Psi
Lubrication pressure	30 - 50 Psi

SIZE

LxBxH	541 (or) 560 x 540 x 685mm
Drop	184mm
Weight (dry)	250 Kgs

SCAAN SPECIFICATION ASSISTANCE

To be sure that you get the most efficient engine transmission matching for your operation, with your preferred vehicle, AVTEC offers SCAAN.

SCAAN stands for System for Computerized Application Analysis and helps eliminate guesswork from vehicle buying decisions. It can compute a wide variety of vehicle performance parameters. SCAAN will also check your powertrain specifications against AVTEC vocational experience to ensure satisfactory vehicle performance. SCAAN is user friendly. Interactive operation allows vehicle configurations to be quickly evaluated to ensure optimized powertrain selection.

