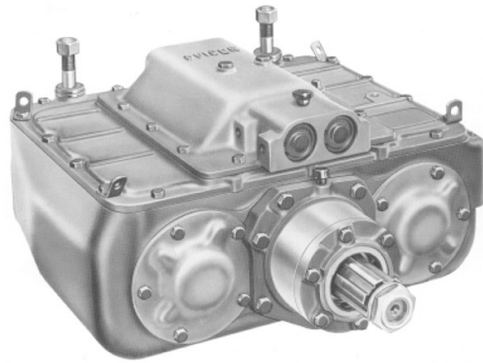


Auxiliary Transmissions

SPICER®



Description:

Auxiliary transmissions provide maximum versatility for on/off highway applications when teamed with a **SPICER** manual transmission. Transmission Technologies Corporation (TTC) manufactures six models, including two pneumatic (air-shifted), and four manually shifted units. Both air-shifted models feature a single selector with a “no-repeat” shift lever design. Providing maximum flexibility, all **SPICER** brand auxiliary transmissions have four speeds, with a .81 overdrive ratio. Standard PTO mountings include: bottom-mount 6 and 8 bolt openings. A top-mount PTO model is also available.

Typical Applications:

Auxiliary transmissions are used in a wide variety of applications including: drilling-rigs, mining, lumber, and stationary equipment.

Performance Advantages:

For severe use applications, **SPICER** brand 4-speed auxiliary transmissions offer the highest torque ratings in the industry and are backed by the TTC Support Team. Factory trained customer service representatives are stationed across the country and are ready to assist your spec'ing, or trouble shooting needs from 8:00 AM – 5:00 PM EST. Simply call (800) 401-9866 to locate the nearest TTC representative.

Auxiliary Transmissions

Models:

AMO1750-4C

APO1750-4C

ATO1750-4C

AMO1750-4D

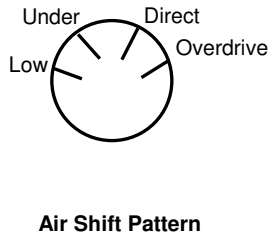
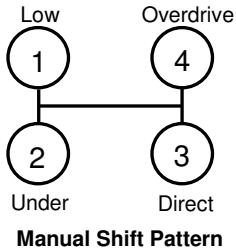
APO1750-4D

ATO1750-4D

Features	Benefits
<ul style="list-style-type: none">• Four speeds• Creeper gear• .81 overdrive• Variety of ratios available• Manually shifted	<ul style="list-style-type: none">• Wide ratio coverage• Super low gear for off road• Better fuel economy / top speed• Optimize specific application• Simple shift pattern (economical)
<ul style="list-style-type: none">• Pneumatic (air-shift) no repeat shift pattern• Variety of PTO mountings• Twin counter shaft design• FEA optimized case design• Shot peened gears	<ul style="list-style-type: none">• Driver friendly ergonomics• Flexibility / versatility• Handles higher torque• Improved strength to weight ratio• Improved torque rating• Quieter operation

TTC

Auxiliary Transmissions



SPECIFICATIONS

	AMO/APO/ATO 1750-4
Weight	540 lbs.
Length	26.205 inches
Lubricant	SAE 50wt. Synthetic 14 pts.
Input Torque Capacity:*	
<80,001lbs GCW	17,500 lbs. ft.
80,001 – 125,000 GCW	14,500 lbs. ft.
125,001 – 250,000 GCW	12,500 lbs. ft.

*Call or write for application approval outside these guidelines

RATIOS

Model	Low	%	Under	%	Direct	%	Overdrive
AMO1750-4C	2.37	91	1.24	24	1	23	.81
APO1750-4C	2.37	91	1.24	24	1	23	.81
ATO1750-4C	2.37	91	1.24	24	1	23	.81
AMO1750-4D	1.59	28	1.24	24	1	23	.81
APO1750-4D	1.59	28	1.24	24	1	23	.81
ATO1750-4D	1.59	28	1.24	24	1	23	.81

PTO Applications

Model	Top Mount PTO	Chelsea Right & Left PTO
ATO1750-4	313254-1x through 9x	See Chelsea publication (SPR-87)
AMO1750-4	Less Top Mount	See Chelsea publication (SPR-87)
APO1750-4	Top Mount N/A	See Chelsea publication (SPR-87)

Total Reduction Comparisons

Model Combination / Axle ratios	3.7	3.9	4.10	4.44	4.72	5.38
PSO140-6A & C ratio Auxiliary	65.5	69	72.6	78.6	83.5	95.2
PSO140-6A & D ratio Auxiliary	44	46.3	48.7	52.7	56.1	63.9
PS145-7 & C ratio Auxiliary	88.8	93.6	98.4	106.6	113.3	129.1
PS145-7 & D ratio Auxiliary	59.6	62.8	66	71.5	76	86.7
PSO165-10 & C ratio Auxiliary	110	115.9	121.9	132	140.3	160
PSO165-10 & D ratio Auxiliary	73.8	77.8	81.8	88.6	94.1	107.3

TTC Website:
www.ttcautomotive.com

TTC Tech Line:
(800) 401-9866
 8:00 AM – 5:00 PM EST.

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