

Chelsea® 859 Series

For Allison 3000/4000 Transmissions



Overview:

Quality knows quality, that's why Allison chose Chelsea to join their engineers in developing P.T.O.s specifically for the Allison World Transmissions. The versatile 859 Series is a shiftable P.T.O. that exceeds the torque capacity of an 8-Bolt P.T.O. while offering the tighter sealing of a 10-Bolt pattern. The 859 Series is an excellent choice for market applications requiring greater torque such as fire and rescue, refuse and oil field exploration. It is available in five speed ratios and multiple output types, along with a rotatable shift valve option, including Chelsea's popular 360° rotatable flange.

- Refuse
- Oil Exploration
- Fire and Rescue



Product Features and Benefits:

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- Seven (7) speed ratios and Six (6) output options
- No Backlash to set
- Two Year Warranty
- Electronic Overspeed Control available to protect driven equipment from overspeeding



ENGINEERING YOUR SUCCESS.

Model Number Designator

859 X G FJ P

Basic Model
859 (Heavy Duty Hydraulic Shift)

Mounting Option
X = Standard Mount (10-Bolts)

Gear Ratio
G = 24/43
J = 26/41
M = 28/39
R = 31/36
S = 32/34
T = 34/36
W = 37/30

Input Gear
FJ = Allison
KV = Caterpillar

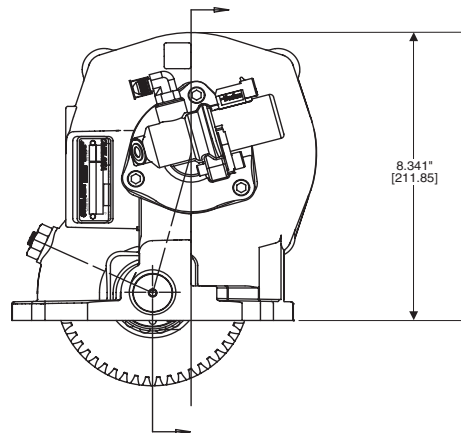
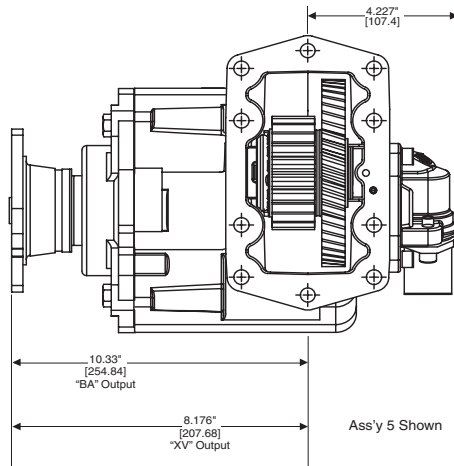
Lube Option
P = Pressure Lube
R = Valve Cap Rotated 120°

- B 5 XV

Output Option
XS = Class "C" 2 & 4-Bolt Pump
XV = 1410 Series Flange
XY = Pump Mt. Meiller Pump
AB = Din 120 Flange
AC = Din 100 Flange
AZ = S.A.E. "B" 2 & 4-Bolt
BA = "XV" w/Drage Brake
BB = "AB" w/Drage Brake
BC = "AC" w/Drage Brake

Assembly Arrangement
5 = Gear Forward Shaft Rear Bulge Up Right Side Bulge Down Left Side

Shift Option
B = 12V Hydraulic
D = 24V Hydraulic
G = 12V Remote Valve
H = 24V Remote Valve
K = 12V Hydraulic w/E.O.C.
L = 24V Hydraulic w/E.O.C.
M = 12 Volt w/o Installation Kit 329024-12X (Europe Only)
N = 24 Volt w/o Installation Kit 329024-24X (Europe Only)



Series Specifications Chart – 859 Series

	859*G	859*J	859*M	859*R	859*S	859*T	859*W
Standard Output Shaft Size	1-1/2" Spline w/1410 Flange						
Intermittent Torque Rating (Lbs. ft.)	575	525	490	415	385	350	285
Intermittent Torque Rating (N.m.)	780	712	664	563	522	475	386
Horsepower Rating for Intermittent Service							
At 500 R.P.M. of Output Shaft (HP)	55	50	47	40	37	33	27
At 1000 R.P.M. of Output Shaft (HP)	109	100	93	79	73	67	54
At 500 R.P.M. of Output Shaft (Kw)	41	37	35	30	27	25	20
At 1000 R.P.M. of Output Shaft (Kw)	82	75	70	59	55	50	41
Approximate Weight:	66 lbs. [30 kg]						

