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 constant mesh 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



Contact Information:

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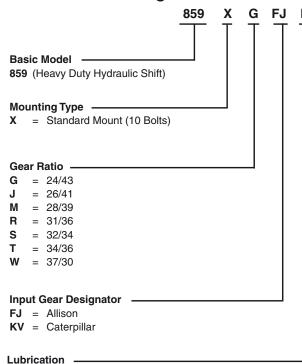
www.parker/chelsea.com

Product Features and Benefits:

- Constant Mesh (non-shiftable) P.T.O. that is ideal for applications requiring continuous power
- Six (6) speed ratios and Six (6) output options
- Electronic Overspeed Control available to protect driven equipment from overspeeding
- No Backlash to set
- Two Year Warranty

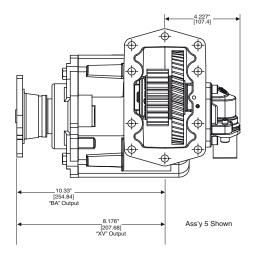


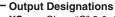
Model Number Designator



P = Pressure Lube

R = Valve Cap Rotated 120°





В

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

Shifter Type

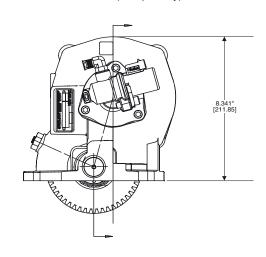
B = 12V Hydraulic
D = 24V Hydraulic
G = 12V Remote Valve
H = 24V Remote Valve
K = 12V Hydraulic w/E.O.C.
L = 24V Hydraulic w/E.O.C.

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							
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	s. [30 kg]			

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