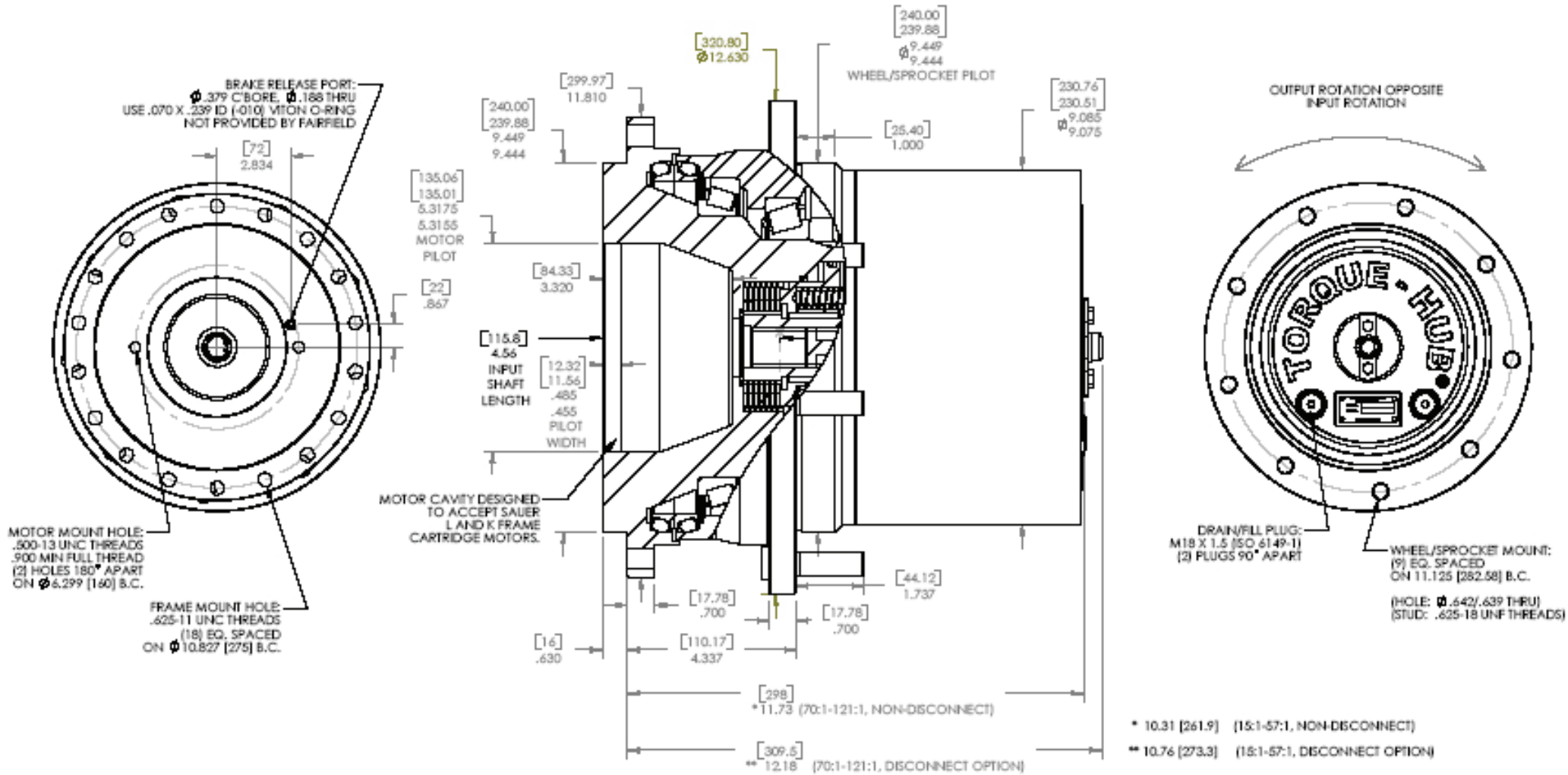


11HPA Application Sheet

TORQUE-HUB
Planetary Final Drives



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Catalog prints are representative of the units.
 Before final design request a certified print from Fairfield.

NOTE: MM SHOWN IN ()
 MOTOR CAVITY DIMENSIONS VARY WITH MODEL

OTHER MODELS ALSO AVAILABLE
 FAIRFIELD BRAKE AVAILABLE

- * 10.31 [261.9] (15:1-57:1, NON-DISCONNECT)
- ** 10.76 [273.3] (15:1-57:1, DISCONNECT OPTION)

11HPA

Performance Data

Continuous	Intermittent	Peak
5,500 Nm	11,000 Nm	Contact Fairfield
48,675 lb-in	97,350 lb-in	

For ultimate torque and horsepower capacities, contact a Torque-Hub® representative.

Speed Limitations

Input Speed: 5,000 RPM Maximum Intermittent

Weight

Approximately: 188 lbs (85 kg)

Oil

Fill to half full with EP-90 oil on most applications.

Approximate Volume: 30.5 oz. (902 cm³)

Note: Oil level and type will vary with specific model and application.

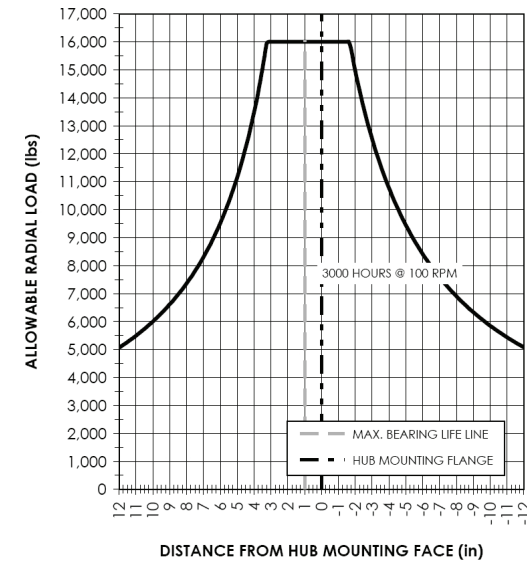
Conditions of Bearing Curve

Life = 3,000 hours B-10
Speed = 100 RPM output

To adjust for loads and speeds other than shown on curve:

$$\text{Adjusted Life (hrs)} = 3,000 \left(\frac{100 \text{ RPM}}{\text{Speed (Adjusted)}} \right) \left(\frac{\text{Load (Curve)}}{\text{Load (Adjusted)}} \right)^{\left(\frac{10}{3} \right)}$$

Bearing Curve



11HPA Model Formula

11 H P A 11 0 8 0 G 0 015

11 – 11000 Series Torque Hub

Output
H – Hub

Motor Input
P – Cartridge Motor

Spindle Brake
Sauer LC and KC Motor Cavity
A – Integral 2500 lb-in [283 N.m]
B – Integral 2000 lb-in [226 N.m]
C – Integral 1500 lb-in [170 N.m]
D – Integral 1000 lb-in [113 N.m]
X – Empty Brake Cavity

Disengage
0 – None
G – Disengage

Special Option
0 – None

Input Splines
3 – 13T 16/32
8 – 15T 16/32

Studs
0 – None
F – 5/8-18 by 2.437" (11HPA11 only)
1 – 3/4 - 16 by 2.53" (11HPA13 only)

Reduction
015 – 14.88:1
018 – 17.97:1
021 – 21.14:1
026 – 26.02:1
030 – 29.62:1
036 – 35.92:1
041 – 40.84:1
048 – 47.60:1
057 – 57.49:1
070 – 70.48:1
084 – 84.38:1
099 – 98.61:1
121 – 120.60:1

Options
0 – None

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Fairfield Manufacturing Company, Inc.
First in Custom Gears and Drive Systems

www.fairfieldmfg.com

	Spindle		Hub	
	Flange	B.C.	Mounting	B.C.
	Mtg. Dia.		Dia.	
11	9.449 [240.00] 9.444 [239.88]	(18) .625-11 UNC 2B on 10.827 [275] B.C.	9.449 [240.00] 9.444 [239.88]	(9) .642/.639 THRU on 11.125 [275] B.C.
13	8.000 [203.20] 7.995 [203.07]	(8) .625 -11 UNC on 9.5000 B.C.	11.020 [279.91] 11.000 [279.40]	(10) .861/.857 THRU on 13.187 B.C.
14	8.000 [203.20] 7.995 [203.07]	(8) .625-11 UNC on 9.5000 B.C.	9.449 [240.00] 9.444 [239.88]	(12) .625 - UNC on 10.73 B.C.

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