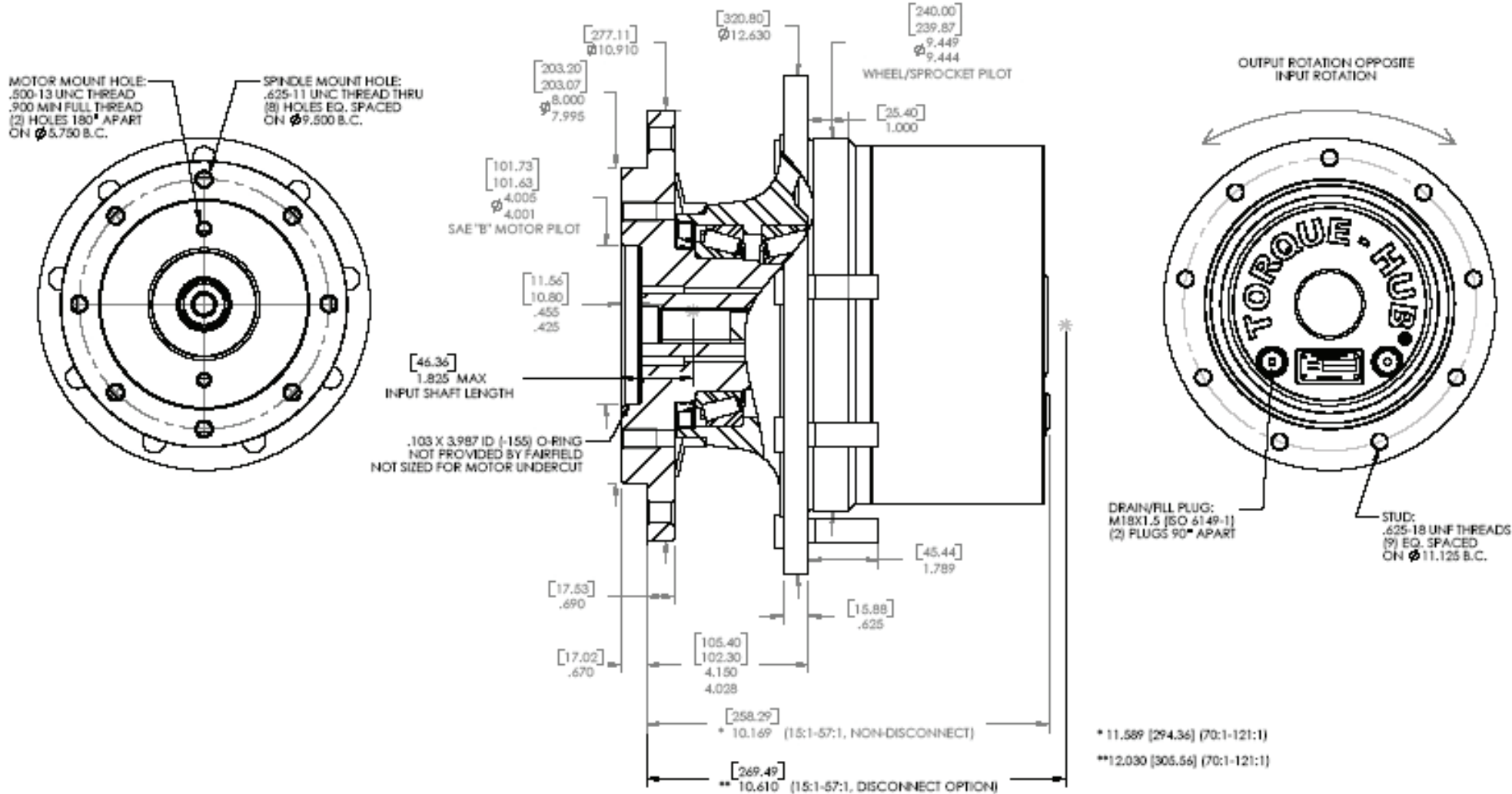


TORQUE-HUB
Planetary Final Drives



oerlikon
fairfield

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

11HBO

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: 142 lbs (64 kg)

Note: Specific models will change weights.

11HBO Model Formula

11 H B 0 03 0 3 0 0 0 015

11 – 11000 Series Torque Hub

Output

H – Hub

Motor Input

B – SAE "B" motor mount

æerlikon
fairfield

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

www.fairfieldmfg.com

Spindle Brake
0 – No Brake Cavity

Studs
0 – None
F – 5/8-18 by 2.437"

Disengage
0 – None
G – Disengage

Special Option
0 – None

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

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

Options
0 – None
Z – Seal Boot

	Spindle		Hub	
	Flange Mtg. Dia.	B.C.	Mounting Dia.	B.C.
03	8.000 [203.20] 7.995 [203.07]	(8) .625-11 UNC 2B on 9.500 [241.3] B.C.	9.449 [240.00] 9.444 [239.88]	(9) .642/.639 [16.31-16.23] holes on 11.125 [282.58] B.C.
04	Same as 03 with (2) spindle side oil plugs			

Oil

Fill to half full with 90 weight gear lube with EP additive on most applications.

Approximate Volume 30.5 (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:

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

Bearing Curve

