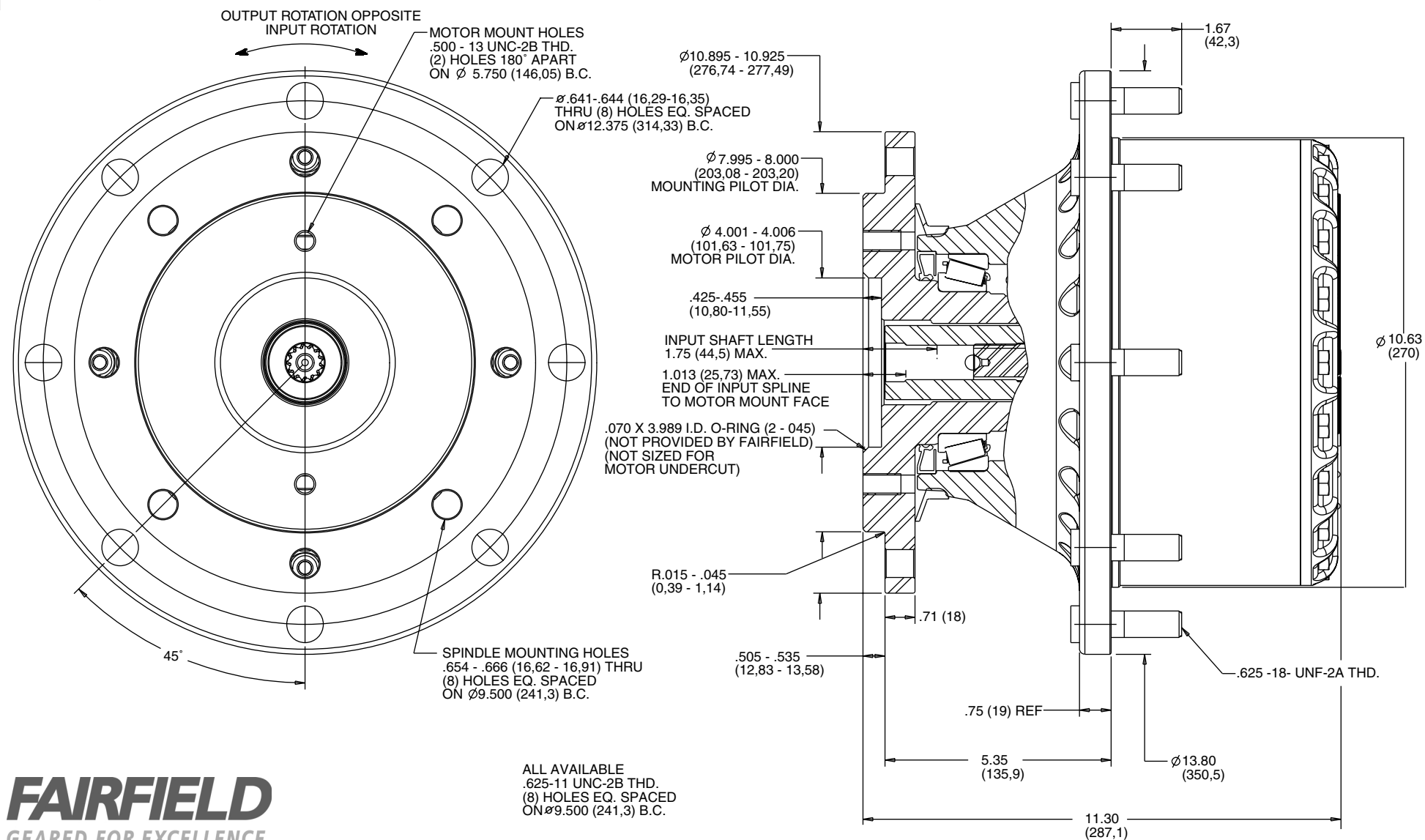


TORQUE-HUB®
 Planetary Final Drives

FAIRFIELD
 GEARED FOR EXCELLENCE

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

 OTHER MODELS ALSO AVAILABLE
 FAIRFIELD BRAKE AVAILABLE

W5

Performance Data

Continuous	Intermittent	Peak
50,000 lb-in	100,000 lb-in	125,000 lb-in
4,167 lb-ft	8,333 lb-ft	10,650 lb-ft
5,650 Nm	11,300 Nm	14,125 Nm
575 kg-m	1,150 kg-m	1,438 kg-m

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

Speed Limitations

Input Speed: 4,000 RPM Maximum Intermittent

Weight

Approximately 178 lbs (80,74 kg)

Note: Specific models will change weights.

W5 Model Formula

Oil

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

Approximate Volume 50oz.(1,479 cm³)

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

Conditions of Bearing Curve

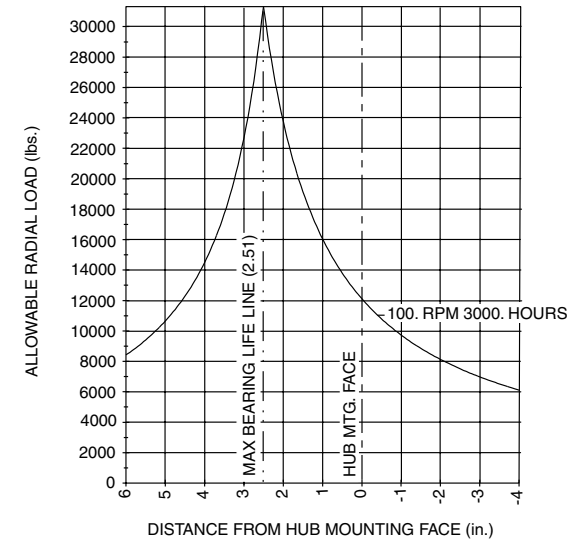
Life = 3,000 hours B-10

Speed = 100 RPM output

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

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

Bearing Curve



W 5 B1 F 0 3 49 Z

W – Torque-Hub® Wheel Drive

5 – Series

Spindle				Hub	
MotorMount	Flange Mounting Dia.	Motor B.C.	Frame B.C.	Mounting Dia.	Flange B.C.
B1	SAE "B"	7.995 8.000	(2) 1/2-13 5.750 B.C.	(8) .654-.666 9.500 B.C.	(8) .641-.644 10.620 12.375 B.C.

Special Features

Z – Seal Boot

Reduction

- 15–14.50:1
- 17–17.17:1
- 22–22.48:1
- 25–25.31:1
- 29–29.14:1
- 35–34.60:1
- 42–41.63:1
- 49–49.37:1

Input

3–13T, 16/32 Spline

Brake

0–Not Included

Stud

0–Not Included

1– 3/4-16 by 2.53" (Use with .850/.845 Flange Hole)

F– 5/18-18 by 2.437" (Use with .642/.639 Flange Hole)

FAIRFIELD

GEARED FOR EXCELLENCE

Fairfield Manufacturing Company, Inc.

First in Custom Gears and Drive Systems

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