

7HB0

Performance Data

Continuous	Intermittent	Peak
30,975 in-lbs	61,950 in-lbs	Contact Fairfield
2,581 ft-lbs	5,163 ft-lbs	
3,500 N-m	7,000 N-m	
357 kg-m	714 kg-m	

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

Speed Limitations

Input Speed: 4,000 RPM Maximum Intermittent

Weight

Approximately 89 lbs (40 kg)

Note: Specific models will change weights.

7HB0 Model Formula

7 – 7000 Series Torque-Hub®

Output
H – Hub

Motor Input
A – SAE "A" motor mount
B – SAE "B" motor mount

Spindle Brake
0 – None

Stud
0 – None
F – 5/8-18 by 2.437 in.
N – 1/2-20 by 2.437 in.

æerlikon
fairfield

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Oil

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

Approximate Volume 25 oz. (739 cm³)

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

Conditions of Bearing Curve

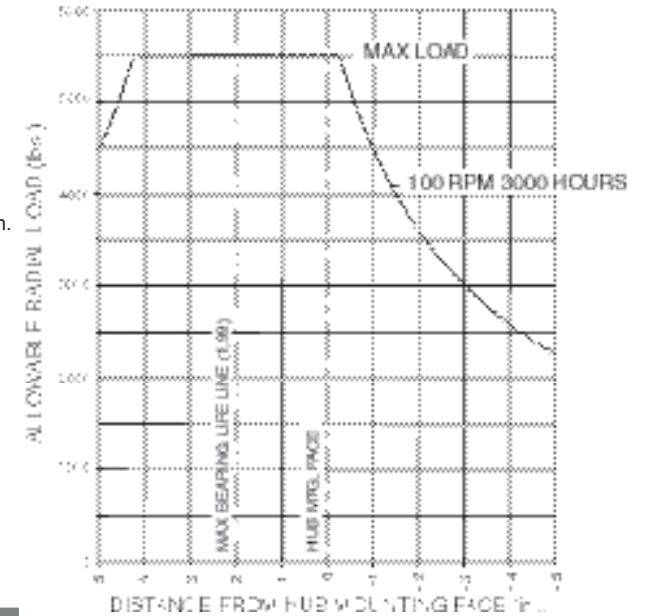
Life = 3,000 hours B-10

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



7 H B 0 01 0 0B3 0 048

Motor Model Code

0A3 – SAE A pilot w/13T input
0B3 – SAE B pilot w/13T input

Reduction

019 – 18.78:1
024 – 24.40:1
029 – 29.24:1
036 – 35.91:1
048 – 47.60:1
057 – 57.49:1

Options

0 – None
Z – Seal Boot
C – Cartridge seal
B – Cartridge sea & seal boot

	Spindle		Hub	
	Flange Mounting Dia.	B.C. Dia.	Mounting Dia.	B.C. Dia.
01	<u>7.000</u> 6.995	(6) 5/8 - 11 UNC 2B on 8.250 B.C.	<u>7.885</u> 7.865	(9) .644/.641 on 9.500 B.C.
03	03 is same as 01 with (2) 9/16-20 spindle side oil holes			