



Flange and Shaft

| Code | Description |
|---|--|
| 16DCF Model 16 Double Reduction Center Flange Mount | |
| 7 | 2.545" 2-9/16" Round w/ Cross Drilled Hole Shaft Shaft |

Motor Adapter Options

| Code | Description |
|------|----------------------------|
| 0 | SAE B 4.00" Pilot 4 Bolt |
| 4 | SAE A 3.25" Pilot 2&4 Bolt |
| 6 | SAE C 5.00" Pilot 2&4 Bolt |

Ratio Options

| Code | Description |
|------|----------------------------|
| 27 | 27.04 : 1 Double reduction |

Order Information and Model Code

| | | | | | | | |
|--------|-------|---|---------------|---|-------|---|-------------------------------|
| 16DCF | 7 | - | | - | | - | |
| Flange | Shaft | - | Motor Adapter | - | Ratio | - | Design Code - Special Options |

Sungear (Input Motor Shaft) Options

| Code | Description |
|-----------|---|
| 16B | 7/8" 13T Spline 16/32 DP (1.40" to 1.75" shaft length) |
| 16D | 1" Straight Keyed (1.80" to 2.10" shaft length) |
| 16H | 1-1/4" Straight Keyed (2.05" to 2.40" shaft length) |
| 16I | 1-1/4" 14T Spline 12/24 DP (2.00" to 2.32" shaft length) |
| 16M | 1" SAE 6B Spline (1.95" to 2.30" shaft length) |
| 16E | Charlynn 2000 Bearingless |
| 16F | Charlynn 4000 Bearingless |
| 16S | Danfoss OMSS |
| 16-4000-H | 1-1/4" Straight Keyed for Charlynn Standard 4000 Motor |
| 16-4000-I | 1-1/4" 14T Spline 12/24 DP for Charlynn Standard 4000 Motor |

Performance Data

| Torque | in-lbs | ft-lbs | Nm |
|--------------|---------------|--------------|----------|
| Continuous | 30,000 in-lbs | 2,500 ft-lbs | 3,390 Nm |
| Intermittent | 45,000 in-lbs | 3,750 ft-lbs | 5,085 Nm |
| Peak | 60,000 in-lbs | 5,000 ft-lbs | 6,780 Nm |

| | |
|--------------------|------------|
| Radial Load | 20,000 lbs |
| Approximate Weight | 0 lbs |

| Maximum Speed | Ratio | Output rpm | Input rpm |
|---------------|-------|------------|-----------|
| | 27 | 85 | 2300 |

* Maximum life in high torque applications will be achieved at lower output speeds. Conversely, maximum life in high speed applications will be achieved at lower output torques.

Radial Load Chart

Shaft Load vs. Load Position
18,000,000 Revolution L₁₀ Life
85W-140 Gear Oil

