



16DFF52 Marketing Sheet

Flange and Shaft

Code	Description
16DFF	Model 16 Double Reduction Front Flange Mount
52	5 Bolt Flanged Shaft w/ 5/8" Studs 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

16DFF	52				
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

