16DFF7 Marketing Sheet

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Flange and Shaft

Code	Description
16DFF	Model 16 Double Reduction Front 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
5	SAE B 4.00" Pilot 2 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	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)
16C	1" 15T Spline 16/32 DP (1.70" to 1.95" shaft length)
16E	Charlynn 2000 Bearingless
16O	7/8" Keyed (1.80" to 2.09" shaft length)
16P	1-1/8" Keyed (1.85" to 2.15" shaft length)
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

	Ratio	Output rpm	Input rpm
Maximum Speed	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