

D*16 SERIES

SPECIFICATIONS

Input Torque: 689 ft-lb (max)

Horsepower: 328 (max)

Maximum Speed: See Ratio Chart

Approximate Weight: 175 lbs (gearbox only)

Oil Capacity Approximately 1.5 qts
(may vary due to output orientation and gear ratio)

(Ratings Based on 1:1 Ratio, 2500 rpm and 2000 hrs B10 Life)

Specifications are subject to change without notice.

FEATURES

- **Dipstick Included for Maintaining Proper Fluid Level**
- **Rotation Opposite Input**
- **Full Fillet Gears for Optimum Strength**
- **Large Diameter Ball Bearings for Higher Speeds and Longer Life**
- **Heavy Duty Drive Plate**
- **Output Options: Spline, Keyed, Flange**
- **Output Can Be @ 3, 6, 9 or 12 o'clock (Standard is 12 o'clock as shown)**

AVAILABLE OPTIONS

CLUTCH HOUSING DIMENSIONS REF SAE J620 AND SAE J617								
SAE NO.	A	B	C	D	H	DD	P	J
3 (C110)	16.125	17.75	16.87	7/16	12	6.25	3/8	11.25
3 (C110)	16.125	17.75	16.87	7/16	12	6.25	3/8	11.25
3	16.125	17.75	16.87	7/16	12	10.62	3/8	15.62
2	17.625	19.25	18.37	7/16	12	10.62	3/8	15.62
1	20.125	21.75	20.87	1/2	12	12.62	7/16	17.62

AVAILABLE GEAR RATIOS OUTPUT ROTATION OPPOSITE INPUT		
GEAR RATIO U-SPEED INCREASING D-SPEED DECREASING	MAX. INPUT SPEED (RPM)	
	U	D
1.1 E	3000	3000
1.14 UD	2625	3000
1.40 UD	2140	3000
1.50 UD	2000	3000
1.73 UD	1735	3000
1.86 UD	1613	3000
2.00 U	1500	3000
2.16 U	1389	3000

DRIVE PLATE DIMENSIONS REF SAE J620					
NOMINAL DRIVE PLATE DIA.	BB	E	F	G	CC
6 1/2	8.500	3/8	6	1.19	7.87
7 1/2	9.500	3/8	8	1.19	8.75
8	10.375	7/16	6	2.44	9.62
10	12.375	7/16	8	2.12	11.62
11 1/2	13.875	7/16	8	1.56	13.12
14	18.375	9/16	8	1.00	17.25

PUMP FLANGE DIMENSIONS REF SAE J744						*ADAPTER WIDTH	30 DEG. INVOLUTE SPLINE	DIST TO SHAFT END	
SAE SIZE	NO. BOLTS (V)	PILOT DIA. (W)	BOLT SIZE (X)	B.C. DIA. (Y)	HOLE DEPT (EE)	(Z)	NO TEETH	PITCH	(LL)
A	2	3.250	3/8-16	4.18	.62	.31	9	16/32	3/8
B	2	4.000	1/2-13	5.75	.56	.56	13	16/32	5/8
B	4	4.000	1/2-13	5.00	1.00	.56	13	16/32	5/8
BB	2	4.000	1/2-13	5.75	.56	.56	15	16/32	5/8
BB	4	4.000	1/2-13	5.00	1.00	.56	15	16/32	5/8
C	2	5.000	5/8-11	7.12	.75	.75	14	12/24	23/32
C	4	5.000	1/2-13	6.37	.75	.75	14	12/24	23/32
CC	2	5.000	5/8-11	7.12	.75	.75	17	12/24	23/32
CC	4	5.000	1/2-13	6.37	.75	.75	17	12/24	23/32
D	2	6.000	3/4-10	9.00	1.00	0.00	13	8/16	3/4
D	4	6.000	3/4-10	9.00	1.00	0.00	13	8/16	3/4
E	4	6.500	3/4-10	12.50	.87	.87	13	8/16	25/32
F	4	7.000	1-8	13.78	1.06	1.06	15	8/16	1 15/32

ENGINE ADAPTER DIMENSIONS REF SAE J617										
SAE NO.	A	B	C	D	H	J	P	DD	GG	UNIT WT.
5	12.375	14.00	13.12	7/16	8	7.50	1/2	2.50	1 1/4	280
4	14.250	15.88	15.00	7/16	12	7.50	1/2	2.50	1 1/4	285
3	16.125	17.75	16.87	7/16	12	7.50	1/2	2.125	1 1/4	295
2	17.625	19.25	18.37	7/16	12	7.50	1/2	2.125	1 1/4	310
1	20.115	21.75	20.87	1/2	12	7.50	1/2	2.125	1 1/4	320

CLUTCH INSTALLATION DATA															
SAE HSG SIZE	CLUTCH MODEL	MAX CLUTCH SPEED (RPM)	WORKING TORQUE (LB-FT)	BB	CC	E	FF BOLT FLANGE THICKNESS	G	L	Q DEG.	S	T	U	TORQUE (LB-IN) ON OPERATING SHAFT REQ'D TO ENGAGE CLUTCH	UNIT WT. (LBS)
3	C110	2675	328	12.375	11.62	7/16	0.88	2.12	2.835	15 1/2	15.38	3	2	1270	275
3	C111	2325	387	13.875	13.12	7/16	0.88	1.56	2.835	15 1/2	15.38	3	2 5/8	1270	290
2 or 3	P111	2850	455	13.875	13.12	7/16	0.88	1.56	2.835	15 1/2	15.38	3	3 3/16	1540	325
2 or 3	P211	2850	910	13.875	13.12	7/16	1.88	1.56	2.835	15 1/2	23.38	3 3/4	4 3/16	1930	350
1	P114	2400	810	18.375	17.25	9/16	0.50	1.00	3.150	18	23.38	4 1/2	6 3/8	3150	400
1	P214	2500	1620	18.375	17.25	9/16	0.50	1.00	3.150	18	23.38	4 1/2	6 3/8	3150	450