

D*38 SERIES

SPECIFICATIONS

Input Torque: 1,733 ft-lb (max)

Horsepower: 825 (max)

Maximum Speed: See Ratio Chart Below

Approximate Weight: 450 lbs (gearbox only)

Oil Capacity Approximately 6.5 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
- Input Options: Torsional Coupling

AVAILABLE OPTIONS

CLUTCH HOUSING DIMENSIONS REF SAE J620 AND SAE J617								
SAE NO.	A	B	C	D	H	DD	P	J
3	16.125	17.75	16.87	7/16	12	10.25	318	15.62
2	17.625	19.25	18.37	7/16	12	10.25	318	15.62
1	20.125	21.75	20.87	1/2	12	12.25	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
1.00 E	2700	2700
1.16 UD	2500	2900
1.28 UD	2350	3000
1.34 UD	2230	3000
1.41 UD	2128	3000
1.56 UD	1930	3000
1.93 U	1550	3000

DRIVE PLATE DIMENSIONS REF SAE J620					
NOMINAL DRIVE PLATE DIA.	BB	E	F	G	CC
6 1/2	8.500	3/8	8	1.19	7.87
7 1/2	9.500	3/8	8	1.19	8.75
8	10.375	7/16	8	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
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	20.125	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
2 or 3	P111	2850	455	13.875	13.12	7/16	0.88	1.56	2.835	15 1/2	15 3/8	3	3 3/16	1540
2 or 3	P211	2850	909	13.875	13.12	7/16	1.88	1.56	2.835	15 1/2	15 3/8	3 3/4	4 3/16	1930
1	P114	2400	810	18.375	17.25	9/16	0.50	1.00	3.150	18	23 3/8	4 1/2	6 3/8	3150
1	P214	2500	1620	18.375	17.25	9/16	0.50	1.00	3.150	18	23 3/8	4 1/2	6 3/8	3150