

**SM420 TRANSMISSION AND FINAL GEAR RATIOS
3.54 DANA 60 AND CORPORATE 4.57
WITH AND WITHOUT OVERDRIVE**

SM420			3.54 DANA 60		CORPORATE 4.57	
GEAR/RATIO	DIRECT	O.D. 27%	DIRECT	O.D. 27%	DIRECT	O.D. 27%
1ST/7.06	7.06	5.15	24.99	18.24	32.26	23.55
2ND/3.58	3.58	2.61	12.67	9.25	16.36	11.94
3RD/1.71	1.71	1.25	6.05	4.42	7.81	5.70
4TH/1.00	1.00	0.73	3.54	2.58	4.57	3.34
REVERSE/6.78	6.78	4.95	24.00	17.52	30.98	22.62

4TH GEAR RPM=MPHxGEAR RATIOx336/TIRE DIAMETER(31.7)

SM420/3.54 DANA 60			SM420/CORPORATE 4.57		
SPEED	RPM/DIRECT	RPM/O.D. 27%	SPEED	RPM/DIRECT	RPM/O.D. 27%
25	938	685	25	1211	884
30	1126	822	30	1453	1061
35	1313	959	35	1695	1238
40	1501	1096	40	1938	1414
45	1688	1233	45	2180	1591
50	1876	1370	50	2422	1768
55	2064	1506	55	2664	1945
60	2251	1643	60	2906	2122
65	2439	1780	65	3149	2298
70	2627	1917	70	3391	2475
75	2814	2054	75	3633	2652

3RD GEAR RPM=MPHxGEAR RATIOx336/TIRE DIAMETER(31.7)

SM420/3.54 DANA 60			SM420/CORPORATE 4.57		
SPEED	RPM/DIRECT	RPM/O.D. 27%	SPEED	RPM/DIRECT	RPM/O.D. 27%
25	1604	1171	25	2071	1512
30	1925	1405	30	2485	1814
40	2566	1874	40	3313	2419
45	2887	2108	45	3727	2721

2ND GEAR RPM=MPHxGEAR RATIOx336/TIRE DIAMETER(31.7)

SM420/3.54 DANA 60			SM420/CORPORATE 4.57		
SPEED	RPM/DIRECT	RPM/O.D. 27%	SPEED	RPM/DIRECT	RPM/O.D. 27%
10	1343	981	10	1734	1266
15	2015	1471	15	2601	1899
20	2687	1961	20	3468	2532
25	3358	2451	25	4335	3165

1ST GEAR RPM=MPHxGEAR RATIOx336/TIRE DIAMETER(31.7)

SM420/3.54 DANA 60			SM420/CORPORATE 4.57		
SPEED	RPM/DIRECT	RPM/O.D. 27%	SPEED	RPM/DIRECT	RPM/O.D. 27%
3	795	580	3	1026	749
5	1325	967	5	1710	1248
7	1854	1354	7	2394	1748
10	2649	1934	10	3420	2496