

**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(30.5)

SM420/3.54 DANA 60			SM420/CORPORATE 4.57		
SPEED	RPM/DIRECT	RPM/O.D. 27%	SPEED	RPM/DIRECT	RPM/O.D. 27%
25	975	712	25	1259	919
30	1170	854	30	1510	1103
35	1365	996	35	1762	1286
40	1560	1139	40	2014	1470
45	1755	1281	45	2266	1654
50	1950	1423	50	2517	1838
55	2145	1566	55	2769	2021
60	2340	1708	60	3021	2205
65	2535	1850	65	3272	2389
70	2730	1993	70	3524	2573
75	2925	2135	75	3776	2756

3RD GEAR RPM=MPHxGEAR RATIOx336/TIRE DIAMETER(30.5)

SM420/3.54 DANA 60			SM420/CORPORATE 4.57		
SPEED	RPM/DIRECT	RPM/O.D. 27%	SPEED	RPM/DIRECT	RPM/O.D. 27%
25	1667	1217	25	2152	1571
30	2001	1460	30	2583	1885
40	2667	1947	40	3444	2514
45	3001	2191	45	3874	2828

2ND GEAR RPM=MPHxGEAR RATIOx336/TIRE DIAMETER(30.5)

SM420/3.54 DANA 60			SM420/CORPORATE 4.57		
SPEED	RPM/DIRECT	RPM/O.D. 27%	SPEED	RPM/DIRECT	RPM/O.D. 27%
10	1396	1019	10	1802	1316
15	2094	1529	15	2704	1974
20	2792	2038	20	3605	2631
25	3490	2548	25	4506	3289

1ST GEAR RPM=MPHxGEAR RATIOx336/TIRE DIAMETER(30.5)

SM420/3.54 DANA 60			SM420/CORPORATE 4.57		
SPEED	RPM/DIRECT	RPM/O.D. 27%	SPEED	RPM/DIRECT	RPM/O.D. 27%
3	826	603	3	1066	778
5	1377	1005	5	1777	1297
7	1927	1407	7	2488	1816
10	2753	2010	10	3554	2595