

TABLE E – DIAGONAL (BIAS) PLY AGRICULTURAL TRACTOR DRIVE WHEEL TIRES

TIRE TYPE NOMENCLATURE		MAX SPEED
TRA	TIRE TYPE	SPEED INDEX A8
R-1	Drive Wheel, Regular Tread	25 mph
R-2	Cane & Rice, Drive Wheel, Deep Tread	25 mph
R-3	Drive Wheel, Shallow Tread	25 mph
R-4	Industrial Tractor, Drive Wheel, Intermediate Tread	25 mph

TIRES USED AS SINGLES BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

TIRE SIZE	INFLATION		LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES														
	psi		12	14	16	18	20	22	24	26	28	30			32		
	kPa		80	100	110	120	140	150	170	180	190	210			220		
7.5-22	lbs.		990	1100	1170	1280	1360 (4)										
	kg		450	500	530	580	615 (4)										
8.3-16	lbs.		640	715	760	825	880	935 (4)	965	1020	1070	1100	1140				1200@34 psi (6)
	kg		290	325	345	375	400	425 (4)	437	462	487	500	515				545@230 kPa (6)
8.3-22	lbs.		785	910	965	990	1100	1170 (4)	1230	1280	1320	1390	1430				1760@36 psi (6)
	kg		355	412	437	450	500	530 (4)	560	580	600	630	650				800@250 kPa (6)
8.3-24	lbs.		880	965	1020	1100	1170	1230 (4)									
	kg		400	437	462	500	530	560 (4)									
9.5-16	lbs.		825	910	965	1050	1100 (4)	1170	1230	1280	1360	1390 (6)					
	kg		375	412	437	475	500 (4)	530	560	580	615	630 (6)					
9.5-22	lbs.		990	1140	1200	1230	1360 (4)	1430	1520	1570	1650	1710	1760 (6)				
	kg		450	515	545	560	615 (4)	650	690	710	750	775	800 (6)				
9.5-24	lbs.		1100	1200	1280	1390	1480 (4)	1570	1650	1710	1820	1870 (6)					
	kg		500	545	580	630	670 (4)	710	750	775	825	850 (6)					
9.5-32	lbs.		1230	1360	1480	1570	1650 (4)	1760	1870	1930	2040	2090 (6)					
	kg		560	615	670	710	750 (4)	800	850	875	925	950 (6)					
9.5-36	lbs.		1320	1430	1570	1650	1760 (4)										
	kg		600	650	710	750	800 (4)										
9.5-42	lbs.		1430	1570	1650	1820	1930 (4)	2040	2150	2270	2340	2400 (6)	2540				2910@40 psi (8) 3200@48 psi (10)
	kg		650	710	750	825	875 (4)	925	975	1030	1060	1090 (6)	1150				1320@280 kPa (8) 1450@330 kPa (10)
11.2-24	lbs.		1320	1430	1570	1650 (4)	1760	1870	1980	2090 (6)	2150	2270	2340	2540@36 (8) psi			2830@44 psi (10)
	kg		600	650	710	750 (4)	800	850	900	950 (6)	975	1030	1060	1150@250 (8) kPa			1285@300 kPa (10)
11.2-28	lbs.		1390	1520	1650	1760 (4)	1930	1980	2090	2200 (6)							
	kg		630	690	750	800 (4)	875	900	950	1000 (6)							
11.2-36	lbs.		1570	1760	1870	2040 (4)											
	kg		710	800	850	925 (4)											
11.2-38	lbs.		1650	1760	1930	2090 (4)	2200	2340	2470	2540 (6)							
	kg		750	800	875	950 (4)	1000	1060	1120	1150 (6)							
12.4-16	lbs.		1200	1320	1430 (4)	1520	1650	1710	1820 (6)	1930	1980	2090	2150 (8)				2760@48 psi (12)
	kg		545	600	650 (4)	690	750	775	825 (6)	875	900	950	975 (8)				1250@330 kPa (12)
12.4-24	lbs.		1570	1710	1870 (4)	1980	2150	2270	2400 (6)	2470	2600	2680	2830 (8)				3520@48 psi (12)
	kg		710	775	850 (4)	900	975	1030	1090 (6)	1120	1180	1215	1285 (8)				1600@330 kPa (12)
12.4-28	lbs.		1710	1870	1980 (4)	2150	2270	2400	2540 (6)								
	kg		775	850	900 (4)	975	1030	1090	1150 (6)								

FOR RIM AND WHEEL LOAD INFORMATION, SEE IMPORTANT NOTES ON PAGES 168-172.

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TIRES USED AS SINGLES BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

TIRE SIZE	INFLATION		LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES												
	psi		12	14	16	18	20	22	24	26	28	32			
	kPa		80	100	110	120	140	150	170	180	190	220			
12.4-36	lbs.		1930	2090	2270 (4)	2400	2540	2680	2830 (6)	3000	3080	3420 (8)			3860 @ 40 psi (10)
	kg		875	950	1030 (4)	1090	1150	1215	1285 (6)	1360	1400	1550 (8)			1750 @ 280 kPa (10)
12.4-38	lbs.		1980	2150	2340 (4)	2470	2600	2760	2910 (6)			3520 (8)	4400 @ 48 psi (12)		4800 @ 56 psi (14)
	kg		900	975	1060 (4)	1120	1180	1250	1320 (6)			1600 (8)	2000 @ 330 kPa (12)		2180 @ 385 kPa (14)
12.4-42	lbs.		2040	2270	2470 (4)	2600	2760	2910	3080 (6)	3200	3420	3640 (8)			4180 @ 40 psi (10)
	kg		925	1030	1120 (4)	1180	1250	1320	1400 (6)	1450	1550	1650 (8)			1900 @ 280 kPa (10)
13.6-16	lbs.		1430	1570 (4)											
	kg		650	710 (4)											
13.6-24	lbs.		*1870	2040 (4)	2200	2340	2540	2680 (6)	2830	2910	3080 (8)				
	kg		*850	925 (4)	1000	1060	1150	1215 (6)	1285	1320	1400 (8)				
13.6-26	lbs.		1930	2090 (4)	2270	2470	2600	2760 (6)	2910	3000	3200 (8)				
	kg		875	950 (4)	1030	1120	1180	1250 (6)	1320	1360	1450 (8)				
13.6-28	lbs.		*1980	2200 (4)	2340	2540	2680	2830 (6)	3000	3080	3300 (8)	3520	3740 @ 36 psi (10)		4180 @ 42 psi (12)
	kg		*900	1000 (4)	1060	1150	1215	1285 (6)	1360	1400	1500 (8)	1600	1700 @ 250 kPa (10)		1900 @ 290 kPa (12)
13.6-36	lbs.		*2270	2470 (4)	2680	2830	3000	3200 (6)							
	kg		*1030	1120 (4)	1215	1285	1360	1450 (6)							
13.6-38	lbs.		2340	2540 (4)	2760	2910	3080	3300 (6)							
	kg		1060	1150 (4)	1250	1320	1400	1500 (6)							
13.6-46	lbs.		2540	2830 (4)	3000	3200	3420	3640 (6)	3860	4080	4180 (8)				
	kg		1150	1285 (4)	1360	1450	1550	1650 (6)	1750	1850	1900 (8)				
14.9-24	lbs.		*2200	2400 (4)	2600	2830	3000 (6)	3200	3300	3520 (8)	3640	3960			4400 @ 38 psi (12)
	kg		*1000	1090 (4)	1180	1285	1360 (6)	1450	1500	1600 (8)	1650	1800			2000 @ 260 kPa (12)
14.9-26	lbs.		*2270	2540	2680	2910	3080 (6)	3300	3420	3640	3740	4080(10)			
	kg		*1030	1150	1215	1320	1400 (6)	1500	1550	1650	1700	1850(10)			
14.9-28	lbs.		*2340	2600 (4)	2830	3000	3200 (6)	3420	3520	3740 (8)	3860	4180(10)			
	kg		*1060	1180 (4)	1285	1360	1450 (6)	1550	1600	1700 (8)	1750	1900(10)			
14.9-30	lbs.		*2470	2680	2910	3080	3300 (6)	3520	3640	3860 (8)	3960	4300(10)			
	kg		*1120	1215	1320	1400	1500 (6)	1600	1650	1750 (8)	1800	1950(10)			
14.9-38	lbs.		*2760	3000	3300	3520	3740 (6)	3960	4180	4300 (8)	4540	4940(10)			5360 @ 38 psi (12)
	kg		*1250	1360	1500	1600	1700 (6)	1800	1900	1950 (8)	2060	2240(10)			5840 @ 44 psi (14)
15.5-38	lbs.		*2600	2830	3080	3300	3520 (6)	3740	3860	4080 (8)					
	kg		*1180	1285	1400	1500	1600 (6)	1700	1750	1850 (8)					
16.9-24	lbs.		*2680	*2910	3200	3420 (6)	3640	3860	4080 (8)	4300	4400(10)				
	kg		*1215	*1320	1450	1550 (6)	1650	1750	1850 (8)	1900	2000(10)				
16.9-26	lbs.		*2760	*3080	3300	3520 (6)	3740	3960	4180	4400	4540(10)				
	kg		*1250	*1400	1500	1600 (6)	1700	1800	1900	2000	2060(10)				
16.9-28	lbs.		*2910	*3200	3420	3640 (6)	3860	4080	4300 (8)	4540	4680(10)				
	kg		*1320	*1450	1550	1650 (6)	1750	1850	1950 (8)	2060	2120(10)				
16.9-30	lbs.		*3000	*3300	3520	3740 (6)	3960	4180	4400 (8)	4680	4940(10)				5520 @ 34 psi (12)
	kg		*1360	*1500	1600	1700 (6)	1800	1900	2000 (8)	2120	2240(10)				2500 @ 230 kPa (12)
16.9-34	lbs.		*3200	*3420	3740	3960 (6)	4300	4540	4680 (8)	4940	5200(10)				
	kg		*1450	*1550	1700	1800 (6)	1950	2060	2120 (8)	2240	2360(10)				
16.9-38	lbs.		*3300	*3640	3960	4180 (6)	4540	4800	4940 (8)						
	kg		*1500	*1650	1800	1900 (6)	2060	2180	2240 (8)						

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TIRES USED AS SINGLES BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

TIRE SIZE	INFLATION		LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES										
	psi		12	14	16	18	20	22	24	26	28	30	32
	kPa		80	100	110	120	140	150	170	180	190	210	220
18.4-16.1	lbs.	*2150	*2340	2540 (6)	2680	2910 (8)	3080	3200	3300 (10)				
	kg	*975	*1060	1150 (6)	1215	1320 (8)	1400	1450	1500 (10)				
18.4-26	lbs.	*3300	*3640	3960 (6)	4180	4540 (8)	4800	4940	5200 (10)	5520	5680	5840 (12)	
	kg	*1500	*1650	1800 (6)	1900	2060 (8)	2180	2240	2360 (10)	2500	2575	2650 (12)	
18.4-28	lbs.	*3420	*3740	4080 (6)	4400	4680 (8)	4940	5200	5360 (10)	5680	5840	6150 (12)	
	kg	*1550	*1700	1850 (6)	2000	2120 (8)	2240	2360	2430 (10)	2575	2650	2800 (12)	
18.4-30	lbs.	*3520	*3860	4180 (6)	4540	4800 (8)	5080	5360	5520 (10)	5840	6150	6400 (12)	
	kg	*1600	*1750	1900 (6)	2060	2180 (8)	2300	2430	2500 (10)	2650	2800	2900 (12)	
18.4-34	lbs.	*3740	*4180	4400 (6)	4800	5080 (8)	5360	5680	6000	6150	6400	6600 (12)	
	kg	*1700	*1900	2000 (6)	2180	2300 (8)	2430	2575	2725	2800	2900	3000 (12)	
18.4-38	lbs.	*3960	*4400	4680 (6)	5080	5360 (8)	5680	6000	6400 (10)	6600	6800	7150 (12)	7600 @ 36 psi (14)
	kg	*1800	*2000	2120 (6)	2300	2430 (8)	2575	2725	2900 (10)	3000	3075	3250 (12)	3450@250 kPa (14)
18.4-42	lbs.	*4180	*4680	4940	5360	5680 (8)	6000	6400	6600 (10)	6950	7150	7400 (12)	
	kg	*1900	*2120	2240	2430	2575 (8)	2725	2900	3000 (10)	3150	3250	3350 (12)	
18.4-46	lbs.	*4400	*4800	5200	5680	6000	6400	6600	6950	7400	7600	7850	8550 @ 36 psi (14)
	kg	*2000	*2180	2360	2575	2725	2900	3000	3150	3350	3450	3550	3450@250 kPa (14)
20.8-34	lbs.	*4540	*4940	5360	5840 (8)	6150	6600 (10)						
	kg	*2060	*2240	2430	2650 (8)	2800	3000 (10)						
20.8-38	lbs.	*4800	*5360	5680	6150 (8)	6600	6950 (10)	7150	7600	7850 (12)	8250	8550 (14)	
	kg	*2180	*2430	2575	2800 (8)	3000	3150 (10)	3250	3450	3550 (12)	3750	3875 (14)	
20.8-42	lbs.	*5080	*5520	6000	6400	6950	7400 (10)	7600	8050	8550 (12)	8800	9100 (14)	
	kg	*2300	*2500	2725	2900	3150	3350 (10)	3450	3650	3875 (12)	4000	4125 (14)	
23.1-26	lbs.	*4800	*5200	5680 (8)	6000	6400 (10)	6800	7150 (12)	7600	7850 (14)			
	kg	*2180	*2360	2575 (8)	2725	2900 (10)	3075	3250 (12)	3450	3550 (14)			
23.1-30	lbs.	*5080	*5520	6000 (8)	6400	6800 (10)		7600 (12)					
	kg	*2300	*2500	2725 (8)	2900	3075 (10)		3450 (12)					
23.1-34	lbs.	*5360	*5840	6400 (8)	6800	7400 (10)							
	kg	*2430	*2650	2900 (8)	3075	3350 (10)							
24.5-32	lbs.	*5840	*6400	6800	7400	7850 (10)	8250	8800 (12)	9100	9650 (14)		10400(16)	
	kg	*2650	*2900	3075	3350	3550 (10)	3750	4000 (12)	4125	4375 (14)		4725(16)	
420.70-24	lbs.	2340	2540	2760 (6)	2910	3080	3300 (8)	3520	3640 (10)				
	kg	1060	1150	1250 (6)	1320	1400	1500 (8)	1600	1650 (10)				
17.5L-24	lbs.	2600	2830	3080 (6)	3300	3520	3640 (8)	3860	4080	4180 (10)			
	kg	1180	1285	1400 (6)	1500	1600	1650 (8)	1750	1850	1900 (10)			
19.5L-24	lbs.	3080	3420	3640	3860	4180 (8)	4400	4680 (10)	4800	5080	5200 (12)		
	kg	1400	1550	1650	1750	1900 (8)	2000	2120 (10)	2180	2300	2360 (12)		
21L-28	lbs.	3860	4180 (6)	4540	4800 (8)	5200	5560 (10)	5840	6000	6150 (12)	6600	6800 (14)	
	kg	1750	1900 (6)	2060	2180 (8)	2360	2500 (10)	2650	2725	2800 (12)	3000	3075 (14)	
21.5L-16.1	lbs.	2760 (6)	3000	3200	3420 (8)	3640	3860 (10)						
	kg	1250 (6)	1360	1450	1550 (8)	1650	1750 (10)						
24L-26	lbs.	4300 (6)	4800	5080 (8)	5520	5840 (10)	6150	6600 (12)					
	kg	1950 (6)	2180	2300 (8)	2500	2650 (10)	2800	3000 (12)					
28L-26	lbs.	5520	6000	6600	6950 (10)	7400 (12)	7850	8250 (14)	8800	9100 (16)			
	kg	2500	2725	3000	3150 (10)	3350 (12)	3560	3740 (14)	4000	4125 (16)			
30.5L-32	lbs.	6950 (8)	7600	8250 (10)	8800	9350 (12)	9900 (14)	10500	11000(16)				
	kg	3150 (8)	3450	3750 (10)	4000	4250 (12)	4500 (14)	4750	5000 (16)				

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TABLE E – DIAGONAL (BIAS) PLY AGRICULTURAL TRACTOR DRIVE WHEEL TIRES

TIRES USED AS SINGLES

BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

TIRE SIZE	INFLATION		LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES									
	psi	12	14	16	18	20	22	24	26	28	30	32
	kPa	80	100	110	120	140	150	170	180	190	210	220
35.5L-32	lbs.	9350	10200 (10)	11000 (12)	11700 (14)	12800	13200 (16)	13900 (18)	14800	15200 (20)	16100 (22)	16500 (24)
	kg	4250	4625 (10)	5000 (12)	5300 (14)	5800	6000 (16)	6300 (18)	6700	6900 (20)	7300 (22)	7500 (24)

TIRE SIZE	INFLATION		LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES												
	psi	23	26	29	32	35	38	41	44	46	49	52	58	61	64
	kPa	160	180	200	220	240	260	280	300	320	340	360	400	420	440
520/85D38	LI	155		158		160		164		167		169	170		173
	lbs.	8550	9100	9350	9650	9900	10500	11000	11400	12000	12300	12800	13200	13900	14300
	kg	3875	4125	4250	4375	4500	4750	5000	5150	5450	5600	5800	6000	6300	6500

NOTES:

- Figures in parentheses denote ply rating for which boldface loads and inflations are maximum.
- For shipping purposes, tire inflation pressures may be increased to 30 psi (210 kPa). Consult tire manufacturer for minimum tire shipping pressure. Inflation pressure must be reduced to operating inflation before the machine is removed from the carrier.
- When used as duals, tire loads must be reduced 12%. (Multiply figures in above table at .88.)
- When used as triples, tire loads must be reduced 18%. Multiply figures in above table by .82.)
- For R-3 tires used in free rolling service at speeds up to 10 mph (15 km/h), maximum above loads may be increased 50% with a 4 psi (30 kPa) increase in inflation pressure.
- For R-4 tires in transport service, see Table G, page 142.
- The above loads are also applicable to equipment, including hillside combines, operating on slopes above 11° (20% grade). Load adjustments below 20 mph (30 km/h) do not apply.
- For cyclic loading field service, see Table F2 on page 138. For tire sizes not shown, see Note 4 on page 140.
- For R-1, R-2 and R-3 tires in transport service and operations that do not require sustained high torque, the load limits shown at right at various speeds apply.

MAX. SPEED	% CHANGE IN ABOVE LOADS	% CHANGE IN INFL. PRESSURE
Stationary	+200%	30%
10 mph (15 km/h)	+34% (except hillside combines)	None
15 mph (25 km/h)	+22% (except hillside combines)	None
20 mph (30 km/h)	+11%	None
25 mph (40 km/h)	Same As Table	None

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