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AD² IF LOAD DESIGNATION FOR RADIAL AGRICULTURAL DRIVE WHEEL TIRES

BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

ENGLISH UNITS OF MEASURE

TIRE TYPE NOMENCLATURE			
TRA	TIRE TYPE	MAX. SPEED	
		SPEED INDEX	SPEED INDEX
		A8/B	D
R-1	Drive Wheel, Regular Tread	30 MPH	40 MPH
R-1W	Drive Wheel, Wet Traction Tread	30 MPH	40 MPH
R-2	Cane & Rice, Drive Wheel, Deep Tread	25 MPH	—

TIRE SIZE	INFLATION	LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES																
		psi	6	9	12	15	17	20	23	26	29	35	41	46	52	58	64	70
AD ² IF380/80R38	LI					136		143		146	149							
	SINGLES lbs	2270	3300	3860	4400	4940	5520	6000	6400	6600	7150							
	DUALS lbs	2000	2900	3400	3870	4350	4860	5280	5630	5810	6290							
	TRIPLES lbs	1860	2710	3170	3610	4050	4530	4920	5250	5410	5860							
AD ² IF380/90R46	LI					143		150	152	153	155	158	161	163	165	168		
	SINGLES lbs	2830	4080	4680	5360	6000	6800	7400	7850	8050	8550	9350	10200	10700	11400	12300		
	DUALS lbs	2490	3590	4120	4720	5280	5980	6510	6910	7080	7520	8230	8980	9420	10030	10820		
	TRIPLES lbs	2320	3350	3840	4400	4920	5580	6070	6440	6600	7010	7670	8360	8770	9350	10090		
AD ² IF380/105R50	LI					149		156		159	161	165	167	169	171	174	177	
	SINGLES lbs	3300	4800	5520	6400	7150	8050	8800	9100	9650	10200	11400	12000	12800	13600	14800	16100	
	DUALS lbs	2900	4220	4860	5630	6290	7080	7740	8010	8490	8980	10030	10560	11260	11970	13020	14170	
	TRIPLES lbs	2710	3940	4530	5250	5860	6600	7220	7460	7910	8360	9350	9840	10500	11150	12140	13200	
AD ² IF420/80R46	LI				141	145		152		155	157	160	163	165	167			
	SINGLES lbs	3520	4180	4940	5680	6400	7150	7850	8250	8550	9100	9900	10700	11400	12000			
	DUALS lbs	3100	3680	4350	5000	5630	6290	6910	7260	7520	8010	8710	9420	10030	10560			
	TRIPLES lbs	2890	3430	4050	4660	5250	5860	6440	6770	7010	7460	8120	8770	9350	9840			
AD ² IF420/85R34	LI					142		148		152								
	SINGLES lbs	2680	3860	4540	5080	5840	6400	6950	7400	7850								
	DUALS lbs	2360	3400	4000	4470	5140	5630	6120	6510	6910								
	TRIPLES lbs	2200	3170	3720	4170	4790	5250	5700	6070	6440								
AD ² IF420/85R38	LI					143		150		153								
	SINGLES lbs	2830	4080	4680	5360	6000	6800	7400	7850	8050								
	DUALS lbs	2490	3590	4120	4720	5280	5980	6510	6910	7080								
	TRIPLES lbs	2320	3350	3840	4400	4920	5580	6070	6440	6600								
AD ² IF480/80R50	LI					153		160		163	166							
	SINGLES lbs	3740	5360	6400	7150	8050	9100	9900	10500	10700	11700							
	DUALS lbs	3290	4720	5630	6290	7080	8010	8710	9240	9420	10300							
	TRIPLES lbs	3070	4400	5250	5860	6600	7460	8120	8610	8770	9590							
AD ² IF480/95R50	LI					158		165										
	SINGLES lbs	4300	6150	7150	8250	9350	10500	11400										
	DUALS lbs	3780	5410	6290	7260	8230	9240	10030										
	TRIPLES lbs	3530	5040	5860	6770	7670	8610	9350										

TABLE C

AD² IF LOAD DESIGNATION FOR RADIAL AGRICULTURAL DRIVE WHEEL TIRES

BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

METRIC UNITS OF MEASURE

TIRE TYPE NOMENCLATURE			
TRA	TIRE TYPE	MAX. SPEED	
		SPEED INDEX	SPEED INDEX
		A8/B	D
R-1	Drive Wheel, Regular Tread	50 KM/H	65 KM/H
R-1W	Drive Wheel, Wet Traction Tread	50 KM/H	65 KM/H
R-2	Cane & Rice, Drive Wheel, Deep Tread	40 KM/H	—

TIRE SIZE	INFLATION	LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES																
		kPa	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480
		bar	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.4	2.8	3.2	3.6	4.0	4.4	4.8
AD ² IF380/80R38	LI					136		143		146	149							
	SINGLES kg		1030	1500	1750	2000	2240	2500	2725	2900	3000	3250						
	DUALS kg		910	1320	1540	1760	1970	2200	2400	2550	2640	2860						
	TRIPLES kg		840	1230	1440	1640	1840	2050	2230	2380	2460	2670						
AD ² IF380/90R46	LI					143		150		153	155	158	161	163	165	168		
	SINGLES kg		1285	1850	2120	2430	2725	3075	3350	3550	3650	3875	4250	4625	4875	5150	5600	
	DUALS kg		1130	1630	1870	2140	2400	2710	2950	3120	3210	3410	3740	4070	4290	4530	4930	
	TRIPLES kg		1050	1520	1740	1990	2230	2520	2750	2910	2990	3180	3490	3790	4000	4220	4590	
AD ² IF380/105R50	LI					149		156		159	161	165	167	169	171	174	177	
	SINGLES kg		1500	2180	2500	2900	3250	3650	4000	4125	4375	4625	5150	5450	5800	6150	6700	7300
	DUALS kg		1320	1920	2200	2550	2860	3210	3520	3630	3850	4070	4530	4800	5100	5410	5900	6420
	TRIPLES kg		1230	1790	2050	2380	2670	2990	3280	3380	3590	3790	4220	4470	4760	5040	5490	5990
AD ² IF420/80R46	LI					141	145		152		155	157	160	163	165	167		
	SINGLES kg		1600	1900	2240	2575	2900	3250	3550	3750	3875	4125	4500	4875	5150	5450		
	DUALS kg		1410	1670	1970	2270	2550	2860	3120	3300	3410	3630	3960	4290	4530	4800		
	TRIPLES kg		1310	1560	1840	2110	2380	2670	2910	3080	3180	3380	3690	4000	4220	4470		
AD ² IF420/85R34	LI					142		148		152								
	SINGLES kg		1215	1750	2060	2300	2650	2900	3150	3350	3550							
	DUALS kg		1070	1540	1810	2020	2330	2550	2770	2950	3120							
	TRIPLES kg		1000	1440	1690	1890	2170	2380	2580	2750	2910							
AD ² IF420/85R38	LI					143		150		153								
	SINGLES kg		1285	1850	2120	2430	2725	3075	3350	3550	3650							
	DUALS kg		1130	1630	1870	2140	2400	2710	2950	3120	3210							
	TRIPLES kg		1050	1520	1740	1990	2230	2520	2750	2910	2990							
AD ² IF480/80R50	LI					153		160		163	166							
	SINGLES kg		1700	2430	2900	3250	3650	4125	4500	4750	4875	5300						
	DUALS kg		1500	2140	2550	2860	3210	3630	3960	4180	4290	4660						
	TRIPLES kg		1390	1990	2380	2670	2990	3380	3690	3900	4000	4350						
AD ² IF480/95R50	LI					158		165										
	SINGLES kg		1950	2800	3250	3750	4250	4750	5150									
	DUALS kg		1720	2460	2860	3300	3740	4180	4530									
	TRIPLES kg		1600	2300	2670	3080	3490	3900	4220									

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THE LEADER IN THE FIELD

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ENGLISH UNITS OF MEASURE

TIRE SIZE	INFLATION	LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES																
		psi	6	9	12	15	17	20	23	26	29	35	41	46	52	58	64	70
AD ² IF520/85R34	LI					149	153		160		163	165	168					
	SINGLES lbs		4400	5360	6150	7150	8050	8800	9900	10200	10700	11400	12300					
	DUALS lbs		3870	4720	5410	6290	7080	7740	8710	8980	9420	10030	10820					
	TRIPLES lbs		3610	4400	5040	5860	6600	7220	8120	8360	8770	9350	10090					
AD ² IF520/85R42	LI					152	156		163		166	169						
	SINGLES lbs		4940	5840	6950	7850	8800	9900	10700	11400	11700	12800						
	DUALS lbs		4350	5140	6120	6910	7740	8710	9420	10030	10300	11260						
	TRIPLES lbs		4050	4790	5700	6440	7220	8120	8770	9350	9590	10500						
AD ² IF520/85R46	LI						157		165									
	SINGLES lbs		4300	6150	7150	8250	9100	10200	11400									
	DUALS lbs		3780	5410	6290	7260	8010	8980	10030									
	TRIPLES lbs		3530	5040	5860	6770	7460	8360	9350									
AD ² IF580/80R34	LI					153	157		164		167	169	172					
	SINGLES lbs		4940	6000	6950	8050	9100	9900	11000	11700	12000	12800	13900					
	DUALS lbs		4350	5280	6120	7080	8010	8710	9680	10300	10560	11260	12230					
	TRIPLES lbs		4050	4920	5700	6600	7460	8120	9020	9590	9840	10500	11400					
AD ² IF600/70R30	LI						153		159									
	SINGLES lbs		3640	5360	6150	7150	8050	8800	9650									
	DUALS lbs		3200	4720	5410	6290	7080	7740	8490									
	TRIPLES lbs		2980	4400	5040	5860	6600	7220	7910									
AD ² IF620/75R30	LI						156		164		167	169						
	SINGLES lbs		4180	6000	6950	8050	8800	9900	11000	11400	12000	12800						
	DUALS lbs		3680	5280	6120	7080	7740	8710	9680	10030	10560	11260						
	TRIPLES lbs		3430	4920	5700	6600	7220	8120	9020	9350	9840	10500						
AD ² IF650/85R38	LI						167		174		177	179						
	SINGLES lbs		5520	8050	9350	10700	12000	13200	14800	15200	16100	17100						
	DUALS lbs		4860	7080	8230	9420	10560	11620	13020	13380	14170	15050						
	TRIPLES lbs		4530	6600	7670	8770	9840	10820	12140	12460	13200	14020						
AD ² IF710/70R38	LI						165		172		175	178						
	SINGLES lbs		5360	7600	8800	10200	11400	12800	13900	14800	15200	16500						
	DUALS lbs		4720	6690	7740	8980	10030	11260	12230	13020	13380	14520						
	TRIPLES lbs		4400	6230	7220	8360	9350	10500	11400	12140	12460	13530						
AD ² IF710/70R42	LI						167		174		177	179						
	SINGLES lbs		5520	8050	9350	10700	12000	13200	14800	15700	16100	17100						
	DUALS lbs		4860	7080	8230	9420	10560	11620	13020	13820	14170	15050						
	TRIPLES lbs		4530	6600	7670	8770	9840	10820	12140	12870	13200	14020						

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METRIC UNITS OF MEASURE

TIRE SIZE	INFLATION	LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES															
		40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480
		bar	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.4	2.8	3.2	3.6	4.0	4.4
AD ² IF520/85R34	LI				149	153		160		163	165	168					
	SINGLES kg	2000	2430	2800	3250	3650	4000	4500	4625	4875	5150	5600					
	DUALS kg	1760	2140	2460	2860	3210	3520	3960	4070	4290	4530	4930					
	TRIPLES kg	1640	1990	2300	2670	2990	3280	3690	3790	4000	4220	4590					
AD ² IF520/85R42	LI				152	156		163		166	169						
	SINGLES kg	2240	2650	3150	3550	4000	4500	4875	5150	5300	5800						
	DUALS kg	1970	2330	2770	3120	3520	3960	4290	4530	4660	5100						
	TRIPLES kg	1840	2170	2580	2910	3280	3690	4000	4220	4350	4760						
AD ² IF520/85R46	LI					157		165									
	SINGLES kg	1950	2800	3250	3750	4125	4625	5150									
	DUALS kg	1720	2460	2860	3300	3630	4070	4530									
	TRIPLES kg	1600	2300	2670	3080	3380	3790	4220									
AD ² IF580/80R34	LI				153	157		164		167	169	172					
	SINGLES kg	2240	2725	3150	3650	4125	4500	5000	5300	5450	5800	6300					
	DUALS kg	1970	2400	2770	3210	3630	3960	4400	4660	4800	5100	5540					
	TRIPLES kg	1840	2230	2580	2990	3380	3690	4100	4350	4470	4760	5170					
AD ² IF600/70R30	LI					153		159									
	SINGLES kg	1650	2430	2800	3250	3650	4000	4375									
	DUALS kg	1450	2140	2460	2860	3210	3520	3850									
	TRIPLES kg	1350	1990	2300	2670	2990	3280	3590									
AD ² IF620/75R30	LI					156		164		167	169						
	SINGLES kg	1900	2725	3150	3650	4000	4500	5000	5150	5450	5800						
	DUALS kg	1670	2400	2770	3210	3520	3960	4400	4530	4800	5100						
	TRIPLES kg	1560	2230	2580	2990	3280	3690	4100	4220	4470	4760						
AD ² IF650/85R38	LI					167		174		177	179						
	SINGLES kg	2500	3650	4250	4875	5450	6000	6700	6900	7300	7750						
	DUALS kg	2200	3210	3740	4290	4800	5280	5900	6070	6420	6820						
	TRIPLES kg	2050	2990	3490	4000	4470	4920	5490	5660	5990	6360						
AD ² IF710/70R38	LI					165		172		175	178						
	SINGLES kg	2430	3450	4000	4625	5150	5800	6300	6700	6900	7500						
	DUALS kg	2140	3040	3520	4070	4530	5100	5540	5900	6070	6600						
	TRIPLES kg	1990	2830	3280	3790	4220	4760	5170	5490	5660	6150						
AD ² IF710/70R42	LI					167		174		177	179						
	SINGLES kg	2500	3650	4250	4875	5450	6000	6700	7100	7300	7750						
	DUALS kg	2200	3210	3740	4290	4800	5280	5900	6250	6420	6820						
	TRIPLES kg	2050	2990	3490	4000	4470	4920	5490	5820	5990	6360						

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ENGLISH UNITS OF MEASURE

TIRE SIZE	INFLATION	LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES																
		psi	6	9	12	15	17	20	23	26	29	35	41	46	52	58	64	70
AD ² IF710/75R42	LI						169		176		179	181						
	SINGLES lbs		5840	8550	9900	11400	12800	14300	15700	16500	17100	18200						
	DUALS lbs		5140	7520	8710	10030	11260	12580	13820	14520	15050	16020						
	TRIPLES lbs		4790	7010	8120	9350	10500	11730	12870	13530	14020	14920						
AD ² IF800/60R32	LI					158	162		169		173	176	179	181				
	SINGLES lbs		5840	6950	8250	9350	10500	11700	12800	13600	14300	15700	17100	18200				
	DUALS lbs		5140	6120	7260	8230	9240	10300	11260	11970	12580	13820	15050	16020				
	TRIPLES lbs		4790	5700	6770	7670	8610	9590	10500	11150	11730	12870	14020	14920				
AD ² IF800/70R38	LI						172		179		182	184						
	SINGLES lbs		6400	9350	10700	12300	13900	15200	17100	17600	18700	19800						
	DUALS lbs		5630	8230	9420	10820	12230	13380	15050	15490	16460	17420						
	TRIPLES lbs		5250	7670	8770	10090	11400	12460	14020	14430	15330	16240						
AD ² IF850/75R42	LI						179		186									
	SINGLES lbs		7850	11400	13200	15200	17100	18700	20900									
	DUALS lbs		6910	10030	11620	13380	15050	16460	18390									
	TRIPLES lbs		6440	9350	10820	12460	14020	15330	17140									
AD ² IF900/65R32	LI					165	169		176		179	182						
	SINGLES lbs		7150	8550	9900	11400	12800	14300	15700	16500	17100	18700						
	DUALS lbs		6290	7520	8710	10030	11260	12580	13820	14520	15050	16460						
	TRIPLES lbs		5860	7010	8120	9350	10500	11730	12870	13530	14020	15330						
AD ² IF1250/50R32	LI					177	181		188		192	195	198	201				
	SINGLES lbs		10200	12000	14300	16100	18200	20400	22000	23400	24700	26800	29100	32000				
	DUALS lbs		5980	10560	12580	14170	16020	17950	19360	20590	21740	23580	25610	28160				
	TRIPLES lbs		8360	9840	11730	13200	14920	16730	18040	19190	20250	21980	23860	26240				

NOTES:

1. Boldface loads are maximum for the Load Index shown.
2. There are no adjustments to the loads and pressures in the above table for lower transport speeds or stationary service.
3. For shipping purposes, tire inflation pressure may be increased to 30 psi (210 kPa). Inflation pressure must be adjusted to correct operating inflation before operation.
4. At higher transport speeds, above 20 mph (30 km/h), and lower pressures, less than 12 psi (80 kPa), increased inflation pressure may be required for vehicle stability.
5. When running lower inflation pressure, it is extremely important to use an accurate air pressure gauge.
6. The above loads are also applicable to equipment, including hillside combines, operating on slopes above 11° (20% grade).
7. For hillside operations, earthmoving and moldboard plowing with single drive wheel tires in furrow, consult tire manufacturer for inflation pressure recommendations.
8. For cyclic service with front-end loaders up to 6 mph (10 km/h), loads may be increased by 40% with an increase in inflation pressure of 12 psi (80 kPa).

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TIRE SIZE	INFLATION	LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES															
		40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480
		bar	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.4	2.8	3.2	3.6	4.0	4.4
AD ² IF710/75R42	LI					169		176		179	181						
	SINGLES kg	2650	3875	4500	5150	5800	6500	7100	7500	7750	8250						
	DUALS kg	2330	3410	3960	4530	5100	5720	6250	6600	6820	7260						
	TRIPLES kg	2170	3180	3690	4220	4760	5330	5820	6150	6360	6770						
AD ² IF800/60R32	LI				158	162		169		173	176	179	181				
	SINGLES kg	2650	3150	3750	4250	4750	5300	5800	6150	6500	7100	7750	8250				
	DUALS kg	2330	2770	3300	3740	4180	4660	5100	5410	5720	6250	6820	7260				
	TRIPLES kg	2170	2580	3080	3490	3900	4350	4760	5040	5330	5820	6360	6770				
AD ² IF800/70R38	LI					172		179		182	184						
	SINGLES kg	2900	4250	4875	5600	6300	6900	7750	8000	8500	9000						
	DUALS kg	2550	3740	4290	4930	5540	6070	6820	7040	7480	7920						
	TRIPLES kg	2380	3490	4000	4590	5170	5660	6360	6560	6970	7380						
AD ² IF850/75R42	LI					179		186									
	SINGLES kg	3550	5150	6000	6900	7750	8500	9500									
	DUALS kg	3120	4530	5280	6070	6820	7480	8360									
	TRIPLES kg	2910	4220	4920	5660	6360	6970	7790									
AD ² IF900/65R32	LI				165	169		176		179	182						
	SINGLES kg	3250	3875	4500	5150	5800	6500	7100	7500	7750	8500						
	DUALS kg	2860	3410	3960	4530	5100	5720	6250	6600	6820	7480						
	TRIPLES kg	2670	3180	3690	4220	4760	5330	5820	6150	6360	6970						
AD ² IF1250/50R32	LI			177		181		188		192	195	198	201				
	SINGLES kg	4625	5450	6500	7300	8250	9250	10000	10600	11200	12150	13200	14500				
	DUALS kg	4070	4800	5720	6420	7260	8140	8800	9330	9860	10690	11620	12760				
	TRIPLES kg	3790	4470	5330	5990	6770	7590	8200	8690	9180	9960	10820	11890				

NOTES:

1. Boldface loads are maximum for the Load Index shown.
2. There are no adjustments to the loads and pressures in the above table for lower transport speeds or stationary service.
3. For shipping purposes, tire inflation pressure may be increased to 30 psi (210 kPa). Inflation pressure must be adjusted to correct operating inflation before operation.
4. At higher transport speeds, above 20 mph (30 km/h), and lower pressures, less than 12 psi (80 kPa), increased inflation pressure may be required for vehicle stability.
5. When running lower inflation pressure, it is extremely important to use an accurate air pressure gauge.
6. The above loads are also applicable to equipment, including hillside combines, operating on slopes above 11° (20% grade).
7. For hillside operations, earthmoving and moldboard plowing with single drive wheel tires in furrow, consult tire manufacturer for inflation pressure recommendations.
8. For cyclic service with front-end loaders up to 6 mph (10 km/h), loads may be increased by 40% with an increase in inflation pressure of 12 psi (80 kPa).

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THE LEADER IN THE FIELD

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