# TABLE G

DIAGONAL (BIAS) PLY AGRICULTURAL R-4 DRIVE WHEEL TIRES USED ON INDUSTRIAL TRACTORS

**TIRES USED AS SINGLES WITHOUT SUSTAINED HIGH TORQUE**

| TIRE TYPE NOMENCLATURE | | MAX. SPEED |
|---|---|---|
| | | SPEED INDEX |
| TRA | TIRE TYPE | A8 |
| R-4 | Industrial Tractor, Drive Wheel, Intermediate Tread | 25 mph |

## BASIC TIRE LOAD RATINGS FOR TIRE SELECTION

| TIRE SIZE | INFLATION | LOAD LIMITS AT VARIOUS COLD INFLATION PRESSURES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | psi | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | | |
| | kPa | 120 | 140 | 150 | 170 | 180 | 190 | 210 | 220 | | |
| 14.9-24 | lbs | 3520 | 3740 | 4080 | **4300 (6)** | 4540 | 4800 | **5080 (8)** | 5200 | **6400 (12) @ 42 psi** | |
| | kg | 1600 | 1700 | 1850 | **1950 (6)** | 2060 | 2180 | **2300 (8)** | 2360 | **2900 (12) @ 280 kPa** | |
| 420/70-24 | lbs | | 3640 | **3960 (6)** | 4180 | 4540 | **4800 (8)** | 5080 | **5200 (10)** | | |
| | kg | | 1650 | **1800 (6)** | 1900 | 2060 | **2180 (8)** | 2300 | **2360 (10)** | | |
| 14.9-28 | lbs | 3740 | 4080 | 4300 | **4680 (6)** | 4940 | 5080 | **5360 (8)** | 5680 | **6150 (10) @ 36 psi** | |
| | kg | 1700 | 1850 | 1950 | **2120 (6)** | 2240 | 2300 | **2430 (8)** | 2575 | **2800 (10) @ 250 kPa** | |
| 16.9-24 | lbs | | 4680 | **4940 (6)** | 5200 | 5520 | **5840 (8)** | 6150 | **6400 (10)** | **7150 (12) @ 38 psi** | |
| | kg | | 2120 | **2240 (6)** | 2360 | 2500 | **2650 (8)** | 2800 | **2900 (10)** | **3250 (12) @ 260 kPa** | |
| 16.9-28 | lbs | | 4940 | **5200 (6)** | 5680 | 6000 | **6150 (8)** | 6600 | **6800 (10)** | **7600 (12) @ 38 psi** | |
| | kg | | 2240 | **2360 (6)** | 2575 | 2725 | **2800 (8)** | 3000 | **3075 (10)** | **3450 (12) @260 kPa** | |
| 18.4-28 | lbs | | **5840 (6)** | 6400 | **6800 (8)** | 7150 | 7400 | **7850 (10)** | 8250 | **8800 (12) @ 36 psi** | |
| | kg | | **2650 (6)** | 2900 | **3075 (8)** | 3250 | 3350 | **3550 (10)** | 3750 | **4000 (12) @ 250 kPa** | |
| 17.5L-24 | lbs | | **4400 (6)** | 4680 | 5080 | **5360 (8)** | 5520 | 5840 | **6150 (10)** | | |
| | kg | | **2000 (6)** | 2120 | 2300 | **2430 (8)** | 2500 | 2650 | **2800 (10)** | | |
| 19.5L-24 | lbs | | 5200 | 5680 | **6000 (8)** | 6400 | **6600 (10)** | 6950 | 7400 | **7600 (12) @ 34 psi** | |
| | kg | | 2360 | 2575 | **2725 (8)** | 2900 | **3000 (10)** | 3150 | 3350 | **3450 (12) @ 230 kPa** | |
| 21L-24 | lbs | | 6150 | 6600 | 6950 | **7400 (10)** | 7850 | 8050 | **8550 (12)** | **9900 (16) @ 40 psi** | **10500 (18) @ 44 psi** |
| | kg | | 2800 | 3000 | 3150 | **3350 (10)** | 3550 | 3650 | **3875 (12)** | **4500 (16) @ 280 kPa** | **4750 (18) @ 300 kPa** |
| 21L-28 | lbs | | 6600 | **6950 (8)** | 7400 | **7850 (10)** | 8250 | **8550** | **8800 (12)** | **9900 (14) @ 36 psi** | |
| | kg | | 3000 | **3150 (8)** | 3350 | **3550 (10)** | 3750 | **3875** | **4000 (12)** | **4500 (14) @ 250 kPa** | |

**NOTES:**

1. Figures in parentheses denote ply rating for which boldface loads and inflations are maximum.
2. Above loads and inflation pressures are transport service.
3. For field or other usage, refer to Table E on pages 191-194.
4. The load limits shown at right at various speeds apply with no change in inflation pressure.
5. For cyclic loading service, see Table F2 on page 197.

**FOR RIM AND WHEEL LOAD INFORMATION, SEE IMPORTANT NOTES ON PAGES 227-231.**

| | % CHANGE IN LOADS | |
|---|---|---|
| MAX. SPEED | REGULAR APPLICATION | CYCLIC* APPLICATION |
| Stationary | +130% | +130%% |
| 2.5 mph (5 km/h) | +45% | +67% |
| 5 mph (10 km/h) | +25% | +50% |
| 10 mph (15 km/h) | +13% | +34 |
| 15 mph (25 km/h) | +9% | – |
| 20 mph (30 km/h) | +4% | – |
| 25 mph (40 km/h) | Same As Table | – |
| 30 mph (50 km/h) | -9% | – |

*Cyclic applications include the normal usages of loader, log stackers, etc. The minimum load must not exceed 60% of the maximum rated tire load.

- Maximum one-way haul distance 500 feet (150 meters).
- Vehicle is operating over unimproved but generally level terrain.
- Consult the rim/wheel manufacturer for confirmation of the strength of the rim/wheel for the intended service.