

710/70R38 177D/174E GROUND KING TL

Combining all-terrain mobility with on-road performance

| | |
|-------------------|-------------------|
| PRODUCT CODE | T445744 |
| APPLICATION | Tractor / Trailer |
| LI / SPEED SYMBOL | 177D (174E) |
| RIM RECOMMENDED | DW23B |
| RIM PERMITTED | DW25B |
| TYPE APPROVAL | E8 106R-001879 |



LOAD CAPACITY FOR TRAILER, KG

Trailed

| Pressure (kPa) | Speed (km/h) | | | | | | | | | |
|----------------|--------------|-------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 80 | 5695 | 5025 | 4490 | 4120 | 4020 | 4020 | 4020 | 4020 | 3855 | 3650 |
| 120 | 7440 | 6565 | 5865 | 5380 | 5250 | 5250 | 5250 | 5250 | 5030 | 4770 |
| 160 | 9010 | 7950 | 7100 | 6520 | 6360 | 6360 | 6360 | 6360 | 6095 | 5775 |
| 200 | 9860 | 8700 | 7770 | 7135 | 6960 | 6960 | 6960 | 6960 | 6670 | 6320 |
| 240 | 10455 | 9225 | 8240 | 7565 | 7380 | 7380 | 7380 | 7380 | 7075 | 6705 |
| 280 | 11730 | 10350 | 9245 | 8485 | 8280 | 8280 | 8280 | 8280 | 7935 | 7520 |
| 320 | 12410 | 10950 | 9780 | 8980 | 8760 | 8760 | 8760 | 8760 | 8395 | 7955 |

LOAD CAPACITY FOR TRACTOR, KG

Tractor

| Pressure (kPa) | Speed (km/h) | | | | | | | | | | | | | |
|----------------|--------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| 80 | 5695 | 5025 | 4490 | 4120 | 3970 | 3855 | 3750 | 3670 | 3585 | 3520 | 3450 | 3400 | 3350 | 3050 |
| 120 | 7440 | 6565 | 5865 | 5380 | 5185 | 5030 | 4900 | 4790 | 4680 | 4595 | 4505 | 4440 | 4375 | 3980 |
| 160 | 9010 | 7950 | 7100 | 6520 | 6280 | 6095 | 5935 | 5805 | 5670 | 5565 | 5460 | 5380 | 5300 | 4825 |
| 200 | 9860 | 8700 | 7770 | 7135 | 6875 | 6670 | 6495 | 6350 | 6205 | 6090 | 5975 | 5885 | 5800 | 5280 |
| 240 | 10455 | 9225 | 8240 | 7565 | 7290 | 7075 | 6890 | 6735 | 6580 | 6460 | 6335 | 6240 | 6150 | 5595 |
| 280 | 11730 | 10350 | 9245 | 8485 | 8175 | 7935 | 7730 | 7555 | 7385 | 7245 | 7105 | 7005 | 6900 | 6280 |
| 320 | 12410 | 10950 | 9780 | 8980 | 8650 | 8395 | 8175 | 7995 | 7810 | 7665 | 7520 | 7410 | 7300 | 6645 |

TIRE DIMENSIONS

| | New tire | Max. in service |
|-------------------------|----------|-----------------|
| OVERALL DIAMETER | 1953 mm | 1999 mm |
| TIRE WIDTH | 705 mm | 741 mm |
| PATTERN DEPTH | 62 mm | |
| MAX. INFLATION PRESSURE | 320 kPa | |

| | |
|-------------------------------|--|
| STATIC LOADED RADIUS | 884 mm @ 7300 kg / 320 kPa |
| DYNAMIC ROLLING CIRCUMFERENCE | 5934 mm @ 7300 kg / 320 kPa |
| DYNAMIC ROLLING RADIUS | 944 mm @ 7300 kg / 320 kPa |
| SPEED RADIUS INDEX | 925 |
| STUDDABLE | Yes Marked stud positions on tread Number of studs 144 pcs Recommended stud 12-20,12-23-12-24,16-19 |
| VOLUME | 1061 l 100% 796 l 75% |

WATER AND SALT BALLASTING

(CaCl₂, 75%, -30°C) Always use a tube when filled with water/salt.

| Tire volume 100% | | Water filling 75% | | Water/salt filling (75% / -30°C) | | | | Total weight increase | |
|------------------|---------|-------------------|---------|----------------------------------|---------|------|-----|-----------------------|------|
| | | | | Water | | Salt | | | |
| Litres | Gallons | Litres | Gallons | Litres | Gallons | kg | lbs | kg | lbs |
| 1061 | 280 | 796 | 210 | 653 | 172 | 333 | 734 | 986 | 2174 |

NOKIAN TYRES PLC is a full member of ETRTO and affiliated member of TRA. In design and production, we certify that products made in Nokian factory (YL) are according the ETRTO and TRA standards.

Tyre have been manufactured and tested in accordance with the requirements of ISO 9001 and ISO 14001. Nokian Tyres Plc has the following certificates:

- Quality Management System Standard, ISO 9001, Certificate No: 76363-2010-AQ-FIN-FINAS
- Environmental Management System Standard, ISO 14001, Certificate No: 76361-2010-AE-FIN-FINAS

More information: www.nokiantyres.com/heavy/technical-tire-manual/