

540/80R38 172A8/167D TRI 2 TL

Reliable performance all year round

| | |
|--------------------------|----------------|
| PRODUCT CODE | T445338 |
| TIRE CLASSIFICATION CODE | R-4 |
| APPLICATION | Tractor |
| LI / SPEED SYMBOL | 172A8 (167D) |
| RIM RECOMMENDED | DW18L |
| RIM PERMITTED | DW16L |
| TYPE APPROVAL | E8 106R-001616 |



LOAD CAPACITY FOR TRACTOR, KG

Constant load

| Pressure (kPa) | Speed (km/h) | | | | | | | | | | | | | |
|----------------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 |
| 80 | 6600 | 4175 | 3600 | 3250 | 3150 | 3050 | 3000 | 2950 | 2875 | 2800 | 2700 | 2625 | 2575 | 2500 |
| 120 | 8315 | 5260 | 4535 | 4095 | 3970 | 3845 | 3780 | 3715 | 3625 | 3530 | 3400 | 3310 | 3245 | 3150 |
| 160 | 10230 | 6470 | 5580 | 5040 | 4885 | 4730 | 4650 | 4575 | 4455 | 4340 | 4185 | 4070 | 3990 | 3875 |
| 200 | 11220 | 7100 | 6120 | 5525 | 5355 | 5185 | 5100 | 5015 | 4890 | 4760 | 4590 | 4465 | 4380 | 4250 |
| 240 | 12210 | 7725 | 6660 | 6015 | 5830 | 5645 | 5550 | 5460 | 5320 | 5180 | 4995 | 4855 | 4765 | 4625 |
| 280 | 13200 | 8350 | 7200 | 6500 | 6300 | 6100 | 6000 | 5900 | 5750 | 5600 | 5400 | 5250 | 5150 | 5000 |
| 320 | 14785 | 9350 | 8065 | 7280 | 7055 | 6830 | 6720 | 6610 | 6440 | 6270 | 6050 | 5880 | 5770 | 5600 |

Cyclic load

| Pressure (kPa) | Speed (km/h) | | | | | | | | | | | | | |
|----------------|--------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 |
| 80 | 6600 | 4800 | 4325 | 3850 | 3550 | 3200 | 3075 | 2975 | 2875 | 2800 | 2700 | 2625 | 2575 | 2500 |
| 120 | 8315 | 6050 | 5450 | 4850 | 4475 | 4030 | 3875 | 3750 | 3625 | 3530 | 3400 | 3310 | 3245 | 3150 |
| 160 | 10230 | 7440 | 6705 | 5970 | 5505 | 4960 | 4765 | 4610 | 4455 | 4340 | 4185 | 4070 | 3990 | 3875 |
| 200 | 11220 | 8160 | 7355 | 6545 | 6035 | 5440 | 5230 | 5060 | 4890 | 4760 | 4590 | 4465 | 4380 | 4250 |
| 240 | 12210 | 8880 | 8000 | 7125 | 6570 | 5920 | 5690 | 5505 | 5320 | 5180 | 4995 | 4855 | 4765 | 4625 |
| 280 | 13200 | 9600 | 8650 | 7700 | 7100 | 6400 | 6150 | 5950 | 5750 | 5600 | 5400 | 5250 | 5150 | 5000 |
| 320 | 14785 | 10750 | 9690 | 8625 | 7950 | 7170 | 6890 | 6665 | 6440 | 6270 | 6050 | 5880 | 5770 | 5600 |

TIRE DIMENSIONS

| | New tire | Max. in service |
|-------------------------|----------|-----------------|
| OVERALL DIAMETER | 1825 mm | 1863 mm |
| TIRE WIDTH | 553 mm | 567 mm |
| PATTERN DEPTH | 30 mm | |
| MAX. INFLATION PRESSURE | 320 kPa | |

| | |
|-------------------------------|--|
| STATIC LOADED RADIUS | 834 mm @ 6300 kg / 320 kPa |
| DYNAMIC ROLLING CIRCUMFERENCE | 5523 mm @ 6300 kg / 320 kPa |
| DYNAMIC ROLLING RADIUS | 879 mm @ 6300 kg / 320 kPa |
| SPEED RADIUS INDEX | 875 |
| TUBE PRODUCT CODE | T55445 |
| TUBE VALVE | TR218A |
| TUBELESS VALVE | TR618A |
| BELT MATERIAL | Steel |
| STUDDABLE | Yes Marked stud positions on tread Number of studs 192 pcs Recommended stud 12-20,12-23,12-24,16-19 |
| VOLUME | 740 l 100% 555 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 |
| 740 | 195 | 555 | 147 | 455 | 120 | 232 | 512 | 687 | 1515 |

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/