

# 540/80R38 172A8/167D NOKIAN TYRES HAKKAPELIITTA TRI SB TL

Precise control and great efficiency

|                          |                |
|--------------------------|----------------|
| PRODUCT CODE             | T445564        |
| TIRE CLASSIFICATION CODE | R-4            |
| APPLICATION              | Tractor        |
| LI / SPEED SYMBOL        | 172A8 (167D)   |
| RIM RECOMMENDED          | DW18L          |
| RIM PERMITTED            | DW16L          |
| TYPE APPROVAL            | E8 106R-000283 |



## LOAD CAPACITY FOR TRACTOR, KG

### Constant load

| Pressure<br>(kPa) | Speed (km/h) |      |          |      |      |      |             |      |      |      |      |      |      |      |
|-------------------|--------------|------|----------|------|------|------|-------------|------|------|------|------|------|------|------|
|                   | 0            | 5    | 10<br>LT | 15   | 20   | 25   | 30<br>10 HT | 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<br>(kPa) | Speed (km/h) |       |          |      |      |      |             |      |      |      |      |      |      |      |
|-------------------|--------------|-------|----------|------|------|------|-------------|------|------|------|------|------|------|------|
|                   | 0            | 5     | 10<br>LT | 15   | 20   | 25   | 30<br>10 HT | 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         | 1833 mm  | 1863 mm         |
| TIRE WIDTH               | 556 mm   | 567 mm          |
| PATTERN DEPTH            | 27 mm    |                 |
| PATTERN DEPTH ON TIE BAR |          |                 |
| MAX. INFLATION PRESSURE  | 320 kPa  |                 |

|                               |                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------|
| STATIC LOADED RADIUS          | 832 mm @ 6300 kg / 320 kPa                                                                             |
| DYNAMIC ROLLING CIRCUMFERENCE | 5566 mm @ 6300 kg / 320 kPa                                                                            |
| DYNAMIC ROLLING RADIUS        | 886 mm @ 6300 kg / 320 kPa                                                                             |
| SPEED RADIUS INDEX            | 875                                                                                                    |
| TUBELESS VALVE                | TR618A                                                                                                 |
| BELT MATERIAL                 | Steel                                                                                                  |
| MARKINGS                      | M+S                                                                                                    |
| STUDDABLE                     | Yes<br>Marked stud positions on tread<br>Number of studs 192 pcs<br>Recommended stud 12-20,12-23,12-24 |
| VOLUME                        | 740 l 100%<br>555 l 75%                                                                                |

## WATER AND SALT BALLASTING

(CaCl<sub>2</sub>, 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.

The tire has 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/](http://www.nokiantyres.com/heavy/technical-tire-manual/)