

# 650/85R38 178D/175E GROUND KING TL

Combining all-terrain mobility with on-road performance

PRODUCT CODE	T445743
APPLICATION	Tractor / Trailer
LI / SPEED SYMBOL	178D (175E)
RIM RECOMMENDED	DW20B
RIM PERMITTED	DW21B, DW23B
TYPE APPROVAL	E8 106R-001878



## 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	6035	5325	4755	4365	4205	4085	3975	3885	3800	3730	3655	3605	3550	3230
120	7650	6750	6030	5535	5335	5175	5040	4930	4815	4725	4635	4570	4500	4095
160	9265	8175	7305	6705	6460	6270	6105	5970	5830	5725	5615	5530	5450	4960
200	10200	9000	8040	7380	7110	6900	6720	6570	6420	6300	6180	6090	6000	5460
240	11050	9750	8710	7995	7705	7475	7280	7120	6955	6825	6695	6600	6500	5915
280	12070	10650	9515	8735	8415	8165	7950	7775	7595	7455	7315	7205	7100	6460
320	12750	11250	10050	9225	8890	8625	8400	8215	8025	7875	7725	7615	7500	6825

## LOAD CAPACITY FOR TRAILER, KG

### Trailer

Pressure (kPa)	Speed (km/h)									
	5	10	15	20	25	30	35	40	45	50
80	6035	5325	4755	4365	4260	4260	4260	4260	4085	3870
120	7650	6750	6030	5535	5400	5400	5400	5400	5175	4905
160	9265	8175	7305	6705	6540	6540	6540	6540	6270	5940
200	10200	9000	8040	7380	7200	7200	7200	7200	6900	6540
240	11050	9750	8710	7995	7800	7800	7800	7800	7475	7085
280	12070	10650	9515	8735	8520	8520	8520	8520	8165	7740
320	12750	11250	10050	9225	9000	9000	9000	9000	8625	8175

**TIRE DIMENSIONS**

	New tire	Max. in service
OVERALL DIAMETER	2071 mm	2115 mm
TIRE WIDTH	645 mm	677 mm
PATTERN DEPTH	63 mm	
MAX. INFLATION PRESSURE	320 kPa	

STATIC LOADED RADIUS	933 mm @ 7500 kg / 320 kPa
DYNAMIC ROLLING CIRCUMFERENCE	6272 mm @ 7500 kg / 320 kPa
DYNAMIC ROLLING RADIUS	998 mm @ 7500 kg / 320 kPa
SPEED RADIUS INDEX	975
TUBELESS VALVE	TR618A
BELT MATERIAL	Steel
MARKINGS	M+S
STUDDABLE	Yes Marked stud positions on tread Number of studs 144 pcs Recommended stud 12-20,12-23-12-24,16-19
VOLUME	1158 l 100% 869 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
1158	306	869	229	713	188	363	801	1076	2372

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