

NORDIC WINTER TYRE CATALOGUE 2023/2024 PCR / SUV / LIGHT COMMERCIAL VEHICLES + ALL SEASON



For information about the EU Tyre Label, tyre labelling data and further technical details, see the corresponding sections inside this catalogue or price list respectively. You can also refer to the YOKOHAMA website www.yokohama.eu (not for country specific product and size availability).

This is YOKOHAMA

The Global Tyre Brand since 1917

The YOKOHAMA Rubber Group is composed of the YOKOHAMA Rubber Co., Ltd. and 110 subsidiaries, and 34 affiliates around the world.

Original Equipment

YOKOHAMA tyres have been adopted worldwide by car manufacturers with a global reputation and in a wide range of vehicle categories, being the Tyre supplier for premium cars.

Winning in Red and Black

Under the colours red and black, YOKOHAMA's range of ADVAN Tyres can supply the tyres for World Championships and International top level Motorsport competitions.



The BluEarth Concept

BluEarth. The Product Engineering Philosophy, which focuses on the idea of responsibility towards the Environment and Society constantly.



Our Philosophy, to keep the focus on the responsibility towards the Environment and Society.

Truly Global & Environmental

Taking care of our planet is part of our overall philosophy. CDP awarded YOKOHAMA an A for Climate Change in 2022, a demonstration of our leadership in environmental performance and transparency.



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YOKOHAMA Nordic Friction Tyres



For Passenger Cars



For Passenger Cars



For SUVs and 4x4s

YOKOHAMA Stud Tyres



For Passenger Cars and SUVs



For Passenger Cars and SUVs

YOKOHAMA High Performance Winter Tyres





For Passenger Cars



For Passenger Cars



For SUVs



For Van and Light Commercial Vehicles



For Passenger Cars and SUVs

The availability of products and the special size range offered can vary from country to country.

For detailed Information about the available products and sizes offered in your country, the EU Tyre Label, tyre labeling data and further technical data, please see the corresponding sections in this catalogue or price list respectively or contact your local distributor or dealer. For basic information, you can also refer to the YOKOHAMA website www.yokohama.eu (not for country specific product and size availability).



C-D

B-C

70-73

Inches: 15-22

в

BluEarth_{*WINTER}

(Si

EU Label Range Fuel Efficiency Class

External Rolling Noise Class

These values are for the full size range of this

product. The special size range offered can

For detailed information on the sizes offered

and the relevant parameters in your country,

Some Sizes are waiting for final labeling results.

and Measured Value (dB)

vary from country to country.

please refer to the table section.

Wet Grip Class

Series: 65 % - 30 %

BluEarth * WINTER

max

Maximum speed 270 km/h in case of W speed symbol 240 km/h in case of V speed symbol 210 km/h in case of H speed symbol 190 km/h in case of T speed symbol peed symbol varies depending on size)

Winter Traction



Please see table section for available sizes.

Application: Compact Cars, Middle sized cars

Benefits

- Aiming to reduce the risk of aquaplaning
- Designed for Mileage

Features

- Harmony Tread Design Concept
- Super rich-silica compound
- Robust Construction





Harmony Tread Design Concept



Smooth V-Shaped Groove Smooth-angled V-shape helps displace water and

helps displace water and snow. This to reduce the risk of aquaplaning.

Uniform Pressure Blocks

Each block is positioned in a uniform manner. The pressure from the ground is spread evenly.

Widespread 3-D Sipe

The 3-D sipes are spread out widely from block to block to enhance the edge effect on snow.

SUV Tyres

Traction inspires Confidence

Super Rich-Silica Compound

- A large amount of silica is used to contribute to

- Snow polymer is blended for snow performance.



Please see table section for available sizes.

Application: Modern SUVs & CUVs

Benefits

- Designed for Mileage
- Super Rich-Silica Compound for snow and wet performance

Features

- Harmony Tread Design Concept
- Super rich-silica compound
- Robust Construction





EU Label Range	
Fuel Efficiency Class	C-D
Wet Grip Class	В
External Rolling Noise Class	В
and Measured Value (dB)	70-75
Series: 70%-30% Inche	es: 16–23

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Some Sizes are waiting for final labeling results.

the wet performance



Winter Tyre for Passenger Cars and SUVs



Please see table section for available sizes.

Application: Performance cars, SUVs, middle sized cars

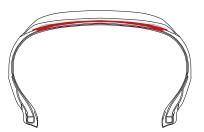
Benefits

- Zig-zag grooves for better drainage
- Drainage performance on snow & wet
- Directional pattern

Features

- Wide slanting grooves and variable angle of lateral grooves
- Low-heat-generating under tread

Under Tread Compound



Low-heat-generating under tread, reduces energy-loss by sustaining rigidity.

Zig-Zag Straight Grooves and variable angle of Lateral Grooves



Improved lateral stabilities such as turning and anti-sliding on snow.

Wide Slanting Grooves



For better drainage



Winter is inspiration



Please see table section for available sizes.

Application: Small and compact cars

Benefits

- Directional pattern
- · Better street contact due to groove in groove design

Features

- Original Multi-Layer Sipes
- 3-D shaped block wall with groove in groove design
- Zig-Zag shaped main straight grooves for better traction

Tread Pattern Design



The pattern design delivers clear-cut performance.

Directional Tread Design

 The directional tread pattern provides a "direct-feel" and drainage on wet road surfaces.

Original Multi-Layer Sipes

② YOKOHAMA's original multi-layer sipes maximise the edge effect on snowy road surfaces, keeping blocks stable despite the soft compound.

3-D Shaped Block Wall with Groove in Groove Design

③ The centralised rib-block with a 3-D shaped block wall delivers dry stability by supporting the contact surface. Micro-sized grooves on the 3-D shaped block wall control uneven wear by dispersing stress and heat.



Zig-Zag Shaped Main Straight Grooves ④ The Zig-Zag shaped main straight grooves provide traction with their grooved edge.

Nordic Friction Tyre









BluEarth



EU Label Range	
Fuel Efficiency Class	C-D
Wet Grip Class	E
External Rolling Noise Class	В
and Measured Value (dB)	69-72
Series: 65 % – 30 % Inch	es: 15-21

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Some Sizes are waiting for final labeling results.

Please see table section for available sizes.

Application: Passenger Cars

Benefits

- Resistance to wear
- Enhanced tyre contact with the ground for traction
- Directional Tread Design

Features

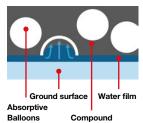
- Absorptive Compound
- 3-D Triple Sipes
- Low-Heat-Generating Under Tread

Directional Tread Pattern



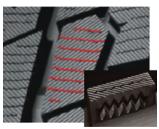
- ① Zig-Zag Shaped Main Grooves Edge effect
- ② Wide Centre Rib Increases contact area
- ③ Zig-Zag Shaped additional Grooves Edge effect
- ④ Micro Diagonal Grooves Edge effect
- (5) 3-D Triple Sipes Increases the contact area

Absorptive Tread Compound



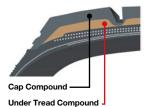
A layer of water above the winter road is the biggest contributor to loss of traction. YOKOHAMA's original compound Technology incorporates water absorbing compounds, aiming to enhance the tyre contact with the ground.

3-D Triple Sipes



The surfaces of 3-D sipes avoid uneven deflection of blocks by supporting each other (maximised actual contact area).

Low-Heat Generating Under Tread



Tread compound consist of two layers of rubber, "Cap Compound" and "Under Tread Compound". The low-heat generating under tread compound increases stiffness.

The local regulations for the proper usage of Car Tyres may differ from country to country. Please make sure to check foreign regulations carefully, before going abroad.



Ground Contact for Fast Reaction









Maximum speed 160 km/h in case of Q speed symbol (Speed symbol varies depending on size)

EU Label Range	
Fuel Efficiency Class	C-E
Wet Grip Class	D-E
External Rolling Noise Class	В
and Measured Value (dB)	70-73
Series: 80 % – 35 % Inch	es: 13-20

These values are for the full size range of this product. The special size range offered can vary from country to country.

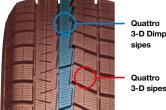
For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Tread Pattern Design

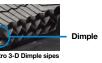
To improve friction and edge effect To improve S			SNOW evacuation
Inside	Alls	600	Outside
- Large Contact area - High Density Sipes	A LE		- Large Groove area - High Stability Blocks
Power Contact Rib			Lightning Groove
	H		Triangle Spot
		E	

Sipe arrangements

The Surface of "Quattro 3-D Dimple sipes" aims to avoid uneven deflection of blocks by supporting each other. It delivers maximised actual contact area.



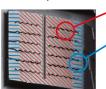
Quattro 3-D Dimple sipes





Double Micro Grooves

"Double Micro Grooves" to deliver winter performance even without a break-in-period.



Diagonal Micro Groove To improve water drainage and lateral edge

Lateral Micro Groove To improve lengthwise edge

Please see table section for available sizes.

Application: Passenger Cars

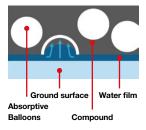
Benefits

- Enhanced tyre contact with the ground ٠
- Tread Pattern Design aims to improve friction and snow evacuation

Features

- Absorptive Tread Compound .
- An Asymmetric Tread Design
- Quattro 3-D Dimple Sipes ٠
- **Double Micro Grooves**
- Low-Heat-Generating Under Tread

Absorptive Tread Compound



A layer of water above the winter road is the biggest contributor to loss of traction. YOKOHAMA's original compound Technology incorporates water absorbing compounds, aiming to enhance the tyre contact with the ground.



Tyre for your SUV

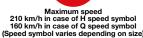








Earth



EU Label Range	
Fuel Efficiency Class	D-E
Wet Grip Class	C-E
External Rolling Noise Class	A–B
and Measured Value (dB)	71-74
Series: 80 % – 30 % Inche	es: 15–23

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Some Sizes are waiting for final labeling results.

Please see table section for available sizes.

Application: Modern SUVs

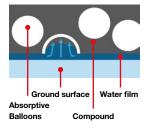
Benefits

- · Increased contact area for winter roads
- · Long-life grip

Features

- Absorptive tread compound
- Triple 3-D dimple sipes
- · Low-heat-generating tread compound

Absorptive Tread Compound



A layer of water above the winter road is the biggest contributor to loss of traction. YOKOHAMA's original compound Technology incorporates water absorbing compounds, aiming to enhance the tyre contact with the ground.

Tread Pattern Design

The tread pattern is aiming to increase the contact area and to maximise the edge effect.



- ① Zig-Zag Shape Main Grooves Edge effect
- ② Wide Centre Rib Increases contact area
- ③ Zig-Zag Shape additional Grooves Edge effect
- ④ Micro Diagonal Sipes Edge effect
- ⑤ 3-D Triple Sipes Increases contact area



Premium Studded Tyre with Winter Grip



Application: Performance cars, SUVs and middle sized cars

Benefits

- Tread Pattern balanced for winter conditions •
- Designed for stud retention and . winter braking performance

Features

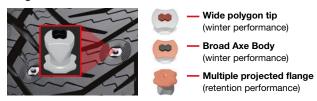
- Original stud model
- Aggressive and directional tread pattern and fixed rotating direction

M+S



iG65

Original stud model



ice GUARD

IG65 directional tread design



Regulation (EU) 2020/740 shall not apply to iG65 and iG55 Stud Tyres. The local regulations for the proper usage of Car Tyres may differ from country to country. Please make sure to check foreign regulations carefully, before going abroad.

Winter Performance & Stud Retention



Please see table section for available sizes

Application: Performance cars, SUVs, Middle & Compact cars

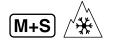
Benefits

- Designed for winter braking performance and stud retention
- Water absorbing compound technology

Features

- Star-shaped stud chip & flange design
- Wide spread centre rib & wide slanting grooves
- Aggressive tread & unique shoulder design

ice GUARD





Water absorptive compound

The original water absorbing compound technology, same as in the iceGUARD studless tyre, aims to improve the winter performance.

IG55 directional tread design



① Wide spread centre rib &

- Micro diagonal grooves
- 2 Windmill shaped projection
- ③ 3-D-shaped sipes
- ④ Digging shaped shoulder
- 5 Wide slanting grooves



Durability and Confidence with Winter Performance for Light Commercial Vehicles









EU Label Range	
Fuel Efficiency Class	E
Wet Grip Class	B-C
External Rolling Noise Class	s B
and Measured Value (dB)	71-72
Series: 82 % - 60 % Incl	nes: 14-17

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Please see table section for available sizes.

Application: Transporters, Light Commercial Vehicles, Cargos and Modern Vans

Benefits

- Direct-feel and traction
- Remarkable durability performance

Features

- 3 wide grooves
- Traction Blocks with micro diagonal sipes
- Rigid shoulder rib with lug

Traction Blocks with Micro Diagonal Sipes



Providing "direct-feel" and "traction". Diagonal Shallow slits on the tyre tread surface provide performance even in the break-in period.

Rigid Shoulder Rib with Lug



Moderating stiffness blocks help even wear for long mileage.

3 Wide Grooves

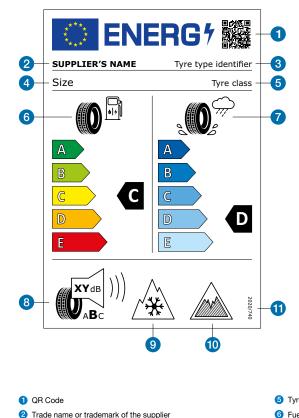


Water evacuation provided by 3 wide grooves, even after long mileage.

The local regulations for the proper usage of Car Tyres may differ from country to country. Please make sure to check foreign regulations carefully, before going abroad.



EU Tyre Label



Since 2012 the EU Tyre Energy Label provides a clear and common classification of tyre performance for rolling resistance, braking on wet surfaces and external noise. The labels help consumers make informed decisions when they are buying tyres as they can easily set their priority choice based on the parameters.

Regulation (EC) No 1222/2009 first introduced the obligation of placing car and van tyres on the EU market with a sticker showing the label. That regulation was repealed and replaced by Regulation (EU) 2020/740 with start of application on 1 Mav 2021. It established a framework for the provision of harmonised information on tyre parameters through labelling to allow endusers to make an informed decision when purchasing tyres, for the purpose of increasing economic and environmental efficiency of road transport by promoting fuel-efficient, safe tyres with low noise levels.

Tyres are no longer allowed in classes F and G for rolling resistance and for wet grip, which is why the new scale has only 5 classes (A to E). The new energy symbols better suggest that the fuel efficiency is applicable to both internal combustion vehicles and to electric ones. In the bottom part, the external rolling noise class is always indicated, including the measured value of external noise level in decibels.

- 2 Trade name or trademark of the supplier
- O Tyre type identifier = Article number in case of YOKOHAMA

4 Tyre size designation, load capacity index and speed category symbol

- 5 Tyre class: i.e. C1, C2 or C3
- 6 Fuel efficiency pictogram, scale and performance class
- Wet grip pictogram, scale and performance class
- 8 External rolling noise pictogram, value (expressed in dB and rounded to the nearest integer) and performance class
- Snow grip pictogram
- Ice grip pictogram (C1 tyres only)
- The serial number of this Regulation: "2020/740"



Fuel Efficiency Class

The fuel efficiency class ranges from A (most efficient) to E (least efficient). A top class tyre has less rolling resistance and therefore requires less energy to move the vehicle. This translates into lower energy costs (fossil fuels or electricity).



Wet Grip Class

The wet grip describes a tyre's performance under wet conditions and its classes ranges as well from A (shorter braking distance on wet asphalt) to E (longest).



External Rolling Noise Class and Measured Value (dB)

The external rolling noise class ranges from A (less noise outside the vehicle) to C (highest noise). The external rolling noise, caused by tyres, is measured in decibels. This noise is different from the "cavity noise", which is the noise transmitted from the rims to the interior of the car.

Under the new regulation, in addition to the previous tyre label, there are also options for including an icon relating to grip on icy conditions and/or severe snow conditions in the bottom part of the tyre label (next to the external rolling noise pictogram) for tyres which satisfy the minimum snow grip index values or the relevant minimum ice grip index values.



Tyres suitable for severe snow conditions bear the snow grip pictogram ("3 Peak Mountain Snowflake") or "alpine" symbol that is also present on the sidewall of such tyres. Nordic winter tyres (tyre class C1) for use on iced surfaces will feature a symbol (ice grip pictogram) that represents an ice stalagmite.

The QR code, to read with a smartphone or other suitable reader, is intended to provide this and additional information for each individual tyre type identifier via a link to the public part of the new European product database for Energy Labelling (EPREL). A link to this database is also provided via the YOKOHAMA website (www.yokohama.eu). You can also get the information of the database in printed form from your tyre dealer.

Other components of the label are the trade name or the trade mark of the supplier, the tyre type identifier, the tyre size designation, the load-capacity index and the speed category symbol, the tyre class and furthermore the serial number of the regulation (in the bottom part of the tyre label).

As the availability of products and sizes differs from country to country, please ask your local dealer or distributor for detailed information about the specific range, labeling and the technical parameters of the available YOKOHAMA tyres.

General (not country specific) information about this data, can be found in the assigned sections of our website www.yokohama.eu

Technical Information/For Your Comfort & Safety



Speed category symbol Section width (W) (mm) Speed categor symbol Aspect ratio Speed (km/h) The speed symbol refers to the maximum The aspect ratio is the ratio of a tyre's section height (H) 140 speed capabilities of the tyre. It is only Ν to its section width (W) 150 valid for tyres that are properly inflated and Section heigh (mm) 160 Q loaded within their assigned load index. Aspect ratio (%) = $\frac{H}{W} \times 100$ R 170 180 190 н 210 V 240 270 w 300 Load-capacity index Example of ISO notation of radial tyre (Y) over 300 The load index is the maximum load-carrying capacity 325/35ZR22 114Y of a tyre under a specific condition. 325: Nominal section width (mm) kg 101 102 35: Aspect ratio (%) 825 850 Ğ ZR: Speed category (over 240 km/h) 0 487 500 and construction code (Radial) 103 104 900 280 22: Nominal rim diameter (inch) 950 114: Load-capacity index (1180 kg) 300 530 106 õ Y: Speed category symbol (300 km/h) 560 1000 88 108 600 615 1060 How to read the tyre code 630 650 Manufacturer's Name 373 381 400 670 690 710 730 750 2 Tyre Size Designation 8 Brand Name 4 Tread Pattern Name 360 1400 150 6 Country of Origin 800 120 6 Identification Serial Number "RADIAL" Designation --- The word "RADIAL" is marked for 0 1500 1550 a radial ply tyre 6 "TUBELESS" Designation --- The word "TUBELESS" must be **Reinforced (Extra Load) Indication** branded on a tubeless type tyre Passenger car tyres designed for loads and inflation 9 YOKOHAMA tyres are marked in accordance with international pressures higher than the standard version. regulations. So the sidewall is marked with a circle containing an E and the number of the country of homologation. This marking Type rotation is followed by a multi-digit homologation number. Tyre rotation is the regular practice of changing the position of e.g. (E4) 1234567/987654 S2WR2 (4 = Netherlands) 5 each tyre on the car to minimise abnormal (or uneven) tread 10 DOT Mark --- The symbol certifying compliance with FMVSS wear, which may cause: 4

- 1. Abnormal vibration ("shimmy")
- 2. Tyre noise

66

68

- 3. Decreased riding comfort
- 4. Shorter tyre life

Note: We recommend that you rotate your tyres immediately if you recognise any of the above-mentioned conditions (especially on your front tyres).



bear the snow grip pictogram ("3 Peak Mountain Snowflake") or "alpine" symbol that also present on the sidewall of such tyres Nordic winter tyres (tyre class C1) for use on iced surfaces will feature a symbol (ice grip pictogram) that represents an ice stalagmite.

- Never mount a tyre on a rim that is damaged or which has been repaired by welding or brazing.
- Never inflate beyond 275 kPa (2.75 bar, 40 psi) to seat beads.
- Tyre inflation should be done in a safety cage.
- · Do not mix different tyre size designations or constructions on the same axle, except for limited use of temporary spare tyres.
- Outer diameter of wheel should be the same as inner diameter of tyre.
- · Make sure to follow instructions in the car owner's manual or on the vehicle tyre information placard in the car to maintain proper tyre pressure (Particularly driving on a highway and/or when carrying heavy loads).
- · Never bleed or reduce air pressure when tyres are hot from driving.
- · Over- or under-inflation is dangerous and could lead to accidents or tyre damage.
- · Check tyre inflation pressure (including spare tyre) at least once a month and before every long trip.
- · Stones, gravel and other foreign objects stuck in the tyre treads may damage the tyre. Remove foreign objects from the tyre treads.
- · Tyre should only be mounted by professionally trained persons.
- · Objects in the road such as potholes, glass, metal, rocks, wood debris, kerbstones and such, which could damage a tyre should be safely avoided.
- To preserve traffic safety and tyre life, YOKOHAMA recommends driving safely and avoiding hard acceleration, braking or cornering in unnecessary situations.
- If you feel the car is unstable or feel any unusual noises or vibrations, stop your car in a safe place and inspect your tyres. Even if no visible defects are found, drive slowly and ask your tyre dealer to inspect your tyres as soon as possible.
- Winter tyres (studless, stud or snow tyres) should not be mixed with other types of tyres.

- respectively.
- Original Equipment Manufacturer Letters --- The symbol varies according to car manufacturers, and signify approval by these. (e.g. AO mark signifies AUDI, MO Mark signifies MERCEDES, N-0 and N-1 signifies PORSCHE.)

Sample tyre for explanation

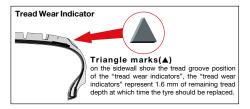
10

Storage of steel belted radial tyres:

- Keep your tyres away from direct sunlight and locations with high temperature, high moisture, heavy electrical machinery, welders etc.
- Tyres should be preferably stored in a cool, dry, and dark room with a controlled environment.

Important notice for use of Runflat tyre (ZPS)

- · A vehicle must be equipped with a tyre pressure monitoring system.
- · After a low pressure warning has been indicated: - do not exceed 80 km/h (50 mph).
- do not travel more than 80 km (50 miles).
- do not re-inflate after run flat operation and do not repair.



Constructions and specifications are subject to change with

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- the first 100 km.
- stops should be avoided, and a safe car-to-car driving distance should be maintained.
- When using tyre chains, be sure to use the proper size chains and affix with priority to the drive axle.
- · Avoid driving with tyre chains for long distance on roads with no packed snow or ice.

The local regulations for the proper usage of Car Tyres may differ from country to country. Please make sure to check foreign regulations carefully, before going abroad. To preserve traffic safety, YOKOHAMA recommends driving substantially

Fuel saving and road safety depend heavily on the behaviour of drivers and in particular on the following: eco driving can significantly reduce fuel consumption; tyre pressure needs to be regularly checked to optimise fuel efficiency and wet grip; stopping distances must always be respected.

Ice grip tyres are specifically designed for road surfaces covered with ice and compact snow, and should only be used in very severe climate conditions (e.g. cold temperatures). Using ice grip tyres in less severe climate condition (e.g. wet conditions or warmer temperatures) could result in sub-optimal performance, in particular for wet grip, handling and wear.

Never use a tyre under the following conditions and replace tyres immediately:

- If the tread has worn to the tread wear indicator.

- New winter tyres should not be driven over 80 km/h for
- When driving on winter roads, sudden starts and guick

slower under adverse weather or road conditions.

or without notice.

- If breaks in the fabric appear.
- · If cords or wires are exposed.

Tyres suitable for severe snow conditions



www.yokohama.eu

CE299 ABC



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