



EUROBLOC[®] VT9-10-11-12

Electric wire rope hoist
for loads of
10,000 to 250,000 kg

 **VERLINDE**
LIFTING EQUIPMENT

EUROBLOC[®] VT9-10-11-12

Electric wire rope hoist for loads
of 10,000 to 250,000 kg



The EUROBLOC VT family is now extended with the VT9-10-11-12.

This range of electric wire rope hoists makes it possible to provide technical responses to your search for :

- > greater lifting capacity (from 10 to 250 tonnes).
- > Lifting height (up to 103.6 m).
- > Group use (ISO classification up to M6).
- > Lifting speed.
- > Speed control (variable speed drive).

► Technical characteristics

- > High performance hoisting motor.
- > Variable lifting speed drive with closed loop technology.
- > Variable speed drive for travelling.
- > Lifting motor with encoders.
- > High safety hoisting and travelling brake (disk brake).
- > High-performance cast rope guide.
- > 4 step gear limit switches for lifting.
- > Double safety system for end of travel lifting (limit switches with detection of top and bottom position together with a limit switch tripped by the rope lead-off).
- > 2 steps travelling limits switches included as standard.
- > System for monitoring the state of the hoist : MT2.
- > Lubrication unit (as an option).
- > Intelligence brake monitoring by inverter drive with detection of the load slip or blocking.
- > Overload protection.
- > IP55 components.
- > F/H class of hoisting motor insulation, IP55 protection.
- > Thermal protections on the lifting and travelling motors.
- > "Ready-to-use" connection units. MT2 to be configured on the site.
- > Connection units with interior lighting.
- > 108 dB horn.
- > PLIOTEX cable marking.
- > Epoxy resin painting (thickness : 120 µm).



Set of 6 control
panels

> Product advantages

- > Rapid and variable lifting speed (by closed loop inverter technology).
- > Centred lifting concept.
- > Large load capacities avoiding the use of twin hoists.
- > The optimum positioning of the wheels on trolley enables a better load distribution on supporting structure.

- > An innovative cable guide system makes it possible to reduce the stress on the cable and in this way to extend its life cycle.
- > The very large drum diameter enables :
 - an increase in the life cycle of the lifting cable
 - a reduction in the rail gauge and hook approaches to optimise the area needed for the winch's operation.

Lifting drum

The pulley/drum ratio and cable diameter enable the life cycle of these components to be considerably increased.

Top running end Carriage

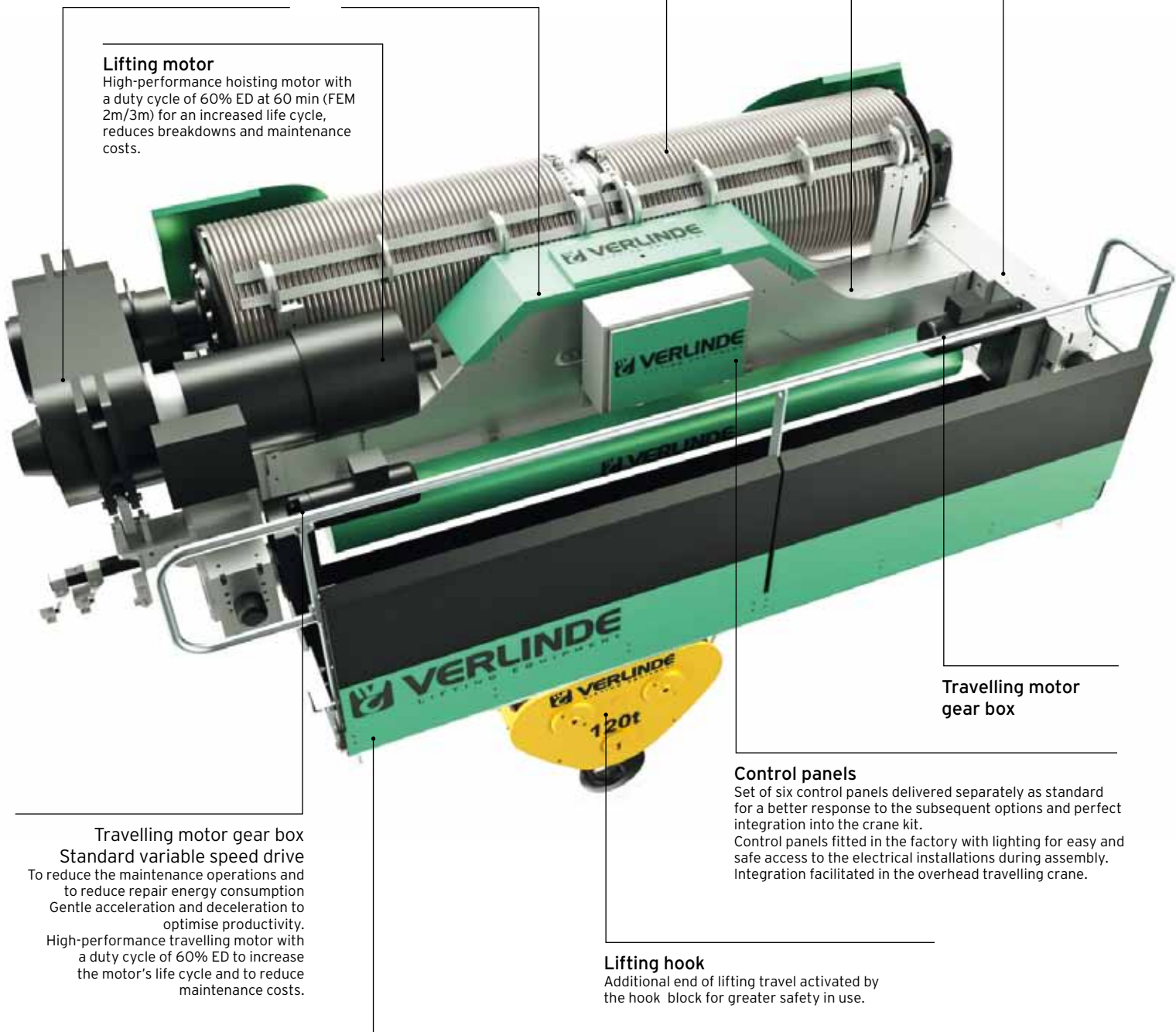
Lifting gear box

Reeving pulleys

Traversing beam

Lifting motor

High-performance hoisting motor with a duty cycle of 60% ED at 60 min (FEM 2m/3m) for an increased life cycle, reduces breakdowns and maintenance costs.



Travelling motor gear box

Control panels

Set of six control panels delivered separately as standard for a better response to the subsequent options and perfect integration into the crane kit. Control panels fitted in the factory with lighting for easy and safe access to the electrical installations during assembly. Integration facilitated in the overhead travelling crane.

Lifting hook

Additional end of lifting travel activated by the hook block for greater safety in use.

Maintenance platform (option)

For perfect integration with the hoist.

Travelling motor gear box
Standard variable speed drive
To reduce the maintenance operations and to reduce repair energy consumption
Gentle acceleration and deceleration to optimise productivity.
High-performance travelling motor with a duty cycle of 60% ED to increase the motor's life cycle and to reduce maintenance costs.



Speed variation when lifting and travelling

Variable speed inverter with "closed loop" technology for optimum loading handling thanks to the extremely slow micro-speeds.
High safety level through continuous speed monitoring.
Variable travelling speed drive to reduce maintenance operations and to reduce repair energy consumption.
Gentle acceleration and deceleration to optimise productivity.
Coder on the hoisting motor.

Inclined reeving pulleys

Their slightly inclined positions enable the life of the lifting rope to be increased, to reduce the wear on the deflecting pulley and to optimise the dimensions of the hoist and the lifting height.



Lubrication (lubrication points) centralised as an option

Easy and rapid access to the lubrication points. In this way, the lubrication process is made safe (no lubrication point will be "forgotten").
Reduced maintenance operation times and reduction in repair costs.

Hoist supervision with monitor system (as standard) : MT2

Monitoring the hoist's state increases its safety for use. This technology already proven on EUROBLOCK VT is compatible with the standard auxiliary hoists in the VT series.
High level of safety.



> Options available

- > Fixed maintenance platform.
- > Second lifting brake.
- > An ESR speed management system depending on the load (high speed for moving a small load).
- > Remote radio control system.
- > Sound warning system (horn at 120dB).
- > Area lighting.
- > Ramshorn hook.
- > Stainless steel electrical cubicle.
- > Heating system for the lifting and travelling motors.
- > Heating system for electrical cubicles. (lifting, translation, travelling).
- > Heating system for the push button box.
- > Ventilation system for electrical cubicles (lifting, translation, travelling).
- > Anti-derailment system for the hoist trolley and the bases of the overhead travelling cranes.
- > Guidance system for the hoist trolley's wheels.
- > Crash-protection system for the overhead travelling crane.
- > Protection from the rain.
- > Rope pressure roller.
- > Fixed version available.
- > Hoist sold without electrification.
- > Dedicated overhead crane kit available (end carriages, electrification, etc.).

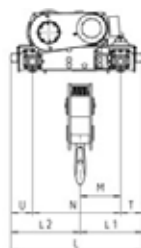
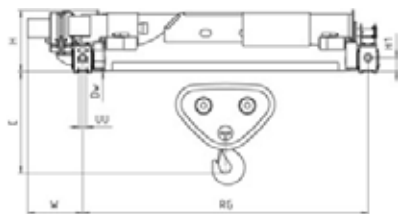


The range

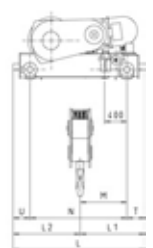
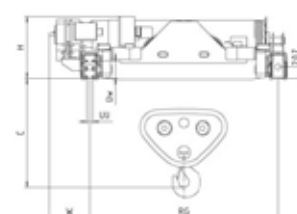
| Hoist type | Load (kg) | Group FEM/ISO | Lifting height (m) | | | | | | | | | | | | | | | | |
|------------|-----------|---------------|--------------------|------|------|------|------|------|------|---|---|---|---|---|---|---|---|---|---|
| | | | Rail gauge (mm) | | | | | | | | | | | | | | | | |
| | | | 2400 | 2700 | 3400 | 4200 | 5300 | 5800 | 6500 | | | | | | | | | | |
| VT9 22 | 10000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 12500 | 2m/M5 | 39.8 | - | 62.3 | 80.3 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT9 23 | 15000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 20000 | 2m/M5 | 26.5 | - | 41.5 | 53.5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT9 24 | 20000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 32000 | 1Bm/M3 | 19.9 | - | 31.2 | 40.2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT9 25 | 25000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 40000 | 1Bm/M3 | 15.9 | - | 24.9 | 32.1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT9 26 | 30000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 48000 | 1Bm/M3 | 13.3 | - | 20.8 | 26.8 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT9 28 | 50000 | 2m/M5 | | | | | | | | | | | | | | | | | |
| | 63000 | 1Bm/M3 | 10.0 | - | 15.6 | 20.1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT10 24 | 32000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 50000 | 1Bm/M3 | 19.3 | - | 30.9 | 40.2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT10 25 | 40000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 63000 | 1Bm/M3 | 15.4 | - | 24.7 | 32.1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT10 26 | 50000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 75000 | 1Bm/M3 | 12.9 | - | 20.6 | 26.8 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT10 28 | 80000 | 2m/M5 | | | | | | | | | | | | | | | | | |
| | 100000 | 1Bm/M3 | 9.7 | - | 15.4 | 20.1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| VT11 24 | 50000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 80000 | 1Bm/M3 | - | 21.3 | 29.5 | 38.9 | 51.8 | - | - | - | - | - | - | - | - | - | - | - | - |
| VT11 25 | 63000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 100000 | 1Bm/M3 | - | 17 | 23.6 | 31.1 | 41.4 | - | - | - | - | - | - | - | - | - | - | - | - |
| VT11 26 | 80000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 125000 | 1Bm/M3 | - | 14.2 | 19.7 | 25.9 | 34.5 | - | - | - | - | - | - | - | - | - | - | - | - |
| VT11 28 | 125000 | 2m/M5 | | | | | | | | | | | | | | | | | |
| | 125000 | 2m/M5 | - | 10.6 | 14.8 | 19.4 | 25.9 | - | - | - | - | - | - | - | - | - | - | - | - |
| VT12 22 | 40000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 50000 | 2m/M5 | | | | | | | | | | | | | | | | | |
| VT12 23 | 63000 | 3m/M6 | | | | | | | | | | | | | | | | | |
| | 80000 | 2m/M5 | | | | | | | | | | | | | | | | | |
| VT12 24 | 100000 | 2m/M5 | | | | | | | | | | | | | | | | | |
| | 125000 | 1Bm/M3 | | | | | | | | | | | | | | | | | |
| VT12 25 | 125000 | 2m/M5 | | | | | | | | | | | | | | | | | |
| | 160000 | 1Bm/M3 | | | | | | | | | | | | | | | | | |
| VT12 26 | 160000 | 2m/M5 | | | | | | | | | | | | | | | | | |
| | 190000 | 1Bm/M3 | | | | | | | | | | | | | | | | | |
| VT12 28 | 200000 | 2m/M5 | | | | | | | | | | | | | | | | | |
| | 250000 | 1Bm/M3 | | | | | | | | | | | | | | | | | |

Dimensions

EUROBLOC VT 9-10



EUROBLOC VT 11-12



| Hoist type | Dimensions [mm] | | | | | | | | | | Wheels [mm] | | C [mm] | | | Weight* [kg] | | | W'' [mm] | |
|------------|-----------------|-----|-----|------|------|-----|------|-----|-----|-----|-------------|----------------------|--------|------|----------------------|--------------|------|-----|----------|--|
| | H | HI | M | N | L | L1 | L2 | T | U | Dw | Max UU | RG - Rail gauge (mm) | | | RG - Rail gauge (mm) | | | N | S | |
| | | | | | | | | | | | | 2400 | 3400 | 4200 | 2400 | 3400 | 4200 | | | |
| VT9 22 | 729 | - | 579 | 1050 | 1642 | 875 | 767 | 296 | 296 | 250 | 86 | 1315 | 1250 | 1250 | 4290 | 4850 | 5290 | 455 | 540 | |
| VT9 23 | 729 | - | 529 | 1050 | 1642 | 825 | 817 | 296 | 296 | 250 | 86 | 1285 | 1130 | 1250 | 4320 | 4890 | 5310 | 455 | 540 | |
| VT9 24 | 729 | - | 532 | 1050 | 1642 | 828 | 814 | 296 | 296 | 250 | 86 | 1200 | 1045 | 1045 | 4200 | 4770 | 5200 | 455 | 540 | |
| VT9 25 | 729 | - | 513 | 1050 | 1642 | 809 | 833 | 296 | 296 | 250 | 86 | 1370 | 1215 | 1215 | 4470 | 5030 | 5460 | 455 | 540 | |
| VT9 26 | 729 | - | 483 | 1050 | 1642 | 779 | 863 | 296 | 296 | 250 | 86 | 1370 | 1215 | 1215 | 4510 | 5080 | 5510 | 455 | 540 | |
| VT9 28 | 729 | - | 452 | 1050 | 1642 | 748 | 894 | 296 | 296 | 250 | 86 | 1410 | 1255 | 1255 | 4530 | 5090 | 5530 | 455 | 540 | |
| VT10 24 | 851 | 165 | 610 | 1250 | 1842 | 906 | 936 | 296 | 296 | 250 | 86 | 1395 | 1215 | 1215 | 4850 | 5420 | 5850 | 790 | 790 | |
| VT10 25 | 923 | 207 | 595 | 1250 | 1917 | 929 | 989 | 334 | 334 | 315 | 106 | 1520 | 1340 | 1340 | 5280 | 5840 | 6270 | 790 | 790 | |
| VT10 26 | 923 | 207 | 575 | 1250 | 1917 | 909 | 1009 | 334 | 334 | 315 | 106 | 1520 | 1340 | 1340 | 5270 | 5840 | 6270 | 790 | 790 | |
| VT10 28 | 923 | 207 | 540 | 1250 | 1917 | 874 | 1044 | 334 | 334 | 315 | 106 | 1586 | 1406 | 1406 | 5480 | 6040 | 6480 | 790 | 790 | |

| Hoist type | Dimensions [mm] | | | | | | | | Wheels [mm] | | C [mm] | | | Weight* [kg] | | | W'' [mm] | | | |
|------------|-----------------|-----|------|------|------|------|-----|-----|-------------|--------|----------------------|------|------|----------------------|-------|-------|----------|-------|------|-----|
| | H | M | N | L | L1 | L2 | T | U | Dw | Max UU | RG - Rail gauge (mm) | | | RG - Rail gauge (mm) | | | N | S | | |
| | | | | | | | | | | | 2700 | 3400 | 4200 | 2700 | 3400 | 4200 | | | 5300 | |
| VT11 24 | 1045 | 735 | 1460 | 2178 | 1074 | 1104 | 339 | 379 | 315 | 106 | 1865 | 1465 | 1465 | 1585 | 7100 | 8000 | 9150 | 10200 | 930 | 930 |
| VT11 25 | 1045 | 725 | 1460 | 2178 | 1064 | 1114 | 339 | 379 | 315 | 106 | 1930 | 1530 | 1530 | 1530 | 7400 | 8400 | 9550 | 10600 | 930 | 930 |
| VT11 26 | 1113 | 830 | 1750 | 2417 | 1164 | 1254 | 334 | 334 | 315 | 106 | 1980 | 1635 | 1635 | 1635 | 9600 | 10000 | 10300 | 10700 | 930 | 930 |
| VT11 28 | 1113 | 792 | 1750 | 2417 | 1126 | 1292 | 334 | 334 | 315 | 106 | 2065 | 1720 | 1720 | 1720 | 10200 | 10600 | 10900 | 11300 | 930 | 930 |

| Hoist type | Dimensions [mm] | | | | | | Wheels [mm] | | | | C [mm] | | | Weight* [kg] | | | W'' [mm] | | |
|------------|-----------------|------|------|------|------|-----|-------------|------|--------|------|--------|------|----------------------|--------------|-------|-------|----------|------|------|
| | M | N | L | L1 | L2 | T | U | Dw | Max UU | 2700 | 3400 | 4200 | RG - Rail gauge (mm) | | | N | S | | |
| | | | | | | | | | | | | | 5300 | 2700 | 3400 | | | 4200 | 5300 |
| VT12 22 | 920 | 2100 | 2780 | 1260 | 1520 | 315 | 106 | 1805 | 1805 | 1805 | 1905 | 2005 | 10500 | 11500 | 13500 | 14200 | 15500 | 800 | 900 |
| VT12 23 | 920 | 2100 | 2780 | 1260 | 1520 | 315 | 106 | 1805 | 1805 | 1805 | 1905 | 2005 | 11000 | 12000 | 14000 | 14700 | 16000 | 800 | 900 |
| VT12 24 | 890 | 2100 | 2780 | 1230 | 1550 | 315 | 106 | 1885 | 1885 | 1885 | 1985 | 2085 | 11500 | 12500 | 14500 | 15200 | 16500 | 800 | 900 |
| VT12 25 | 880 | 2100 | 2780 | 1220 | 1560 | 315 | 106 | 1905 | 1905 | 1905 | 2005 | 2105 | 12000 | 13000 | 15000 | 16000 | 17000 | 800 | 900 |
| VT12 26 | 860 | 2100 | 2780 | 1200 | 1580 | 315 | 126 | 2000 | 2000 | 2100 | 2300 | 2400 | 14000 | 15000 | 17000 | 18000 | 19500 | 800 | 900 |
| VT12 28 | 830 | 2100 | 2780 | 1170 | 1610 | 315 | 126 | 2105 | 2105 | 2205 | 2405 | 2505 | 16000 | 17000 | 19000 | 20000 | 21500 | 800 | 900 |

* Estimated values ** Lifting brake codes: N = normal, S = second brake option

VERLINDE, is :

- > The leading French manufacturer and exporter of lifting and handling equipment.
- > A comprehensive of 30 groups of lifting equipment from 60 to 160,000 kg.
- > ISO 9001 quality assurance certification.



Our references

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In France :

A point-of-sale network, after-sales service stations, manufacturing plants for EUROPONT travelling cranes and a distribution network.

Rest of the world :

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