

TECHNICAL DATA SHEET

RWM ELECTRIC CHAIN HOIST WITH ELECTRIC TROLLEY - SINGLE
SPEED - 500KG CAPACITY

MODEL: W-ET-500



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DESCRIPTION

RWM hoists can be considered the Ferrari of hoist brands, and not just because they are engineered and manufactured in Italy by an in-house team.

RWM prides itself on engineering excellence: every hoist is hand-crafted from the highest quality materials. As a result, RWM hoists can safely operate in temperatures as low as -20°C and as high as $+50^{\circ}\text{C}$ – an operating range up to 40% larger than other common hoist brands. This makes RWM the go-to hoist for material handling tasks in harsher environments.

RWM hoists are also the ideal option for demanding industrial applications where uptime is critical, with a duty cycle of 40%.

RWM hoists and the more common economy hoists are different tools designed for various uses. Just as you wouldn't invest in a Ferrari as a run-around vehicle, you wouldn't invest in a RWM hoist if you don't require the additional quality and reliability that comes with a hand-built, European-engineered masterpiece.

Choose RWM as your go-to hoist for more challenging and demanding situations where quality and durability is paramount.

FEATURES

- ✚ RWM Electric Chain Hoists are manufactured for Stratalign by RWM, Italy who are ISO 9001:2015 Certified.
- ✚ The Hoists are built in compliance with European regulations:
 - Machinery Directive (DM) 2006/42/CE
 - Low Voltage Directive (DBT) 2014/35/UE
 - Electromagnetic Compatibility Directive (EMC) 2014/30/UE
- ✚ Design Verified by a NZ registered Chartered Professional Engineer.
- ✚ Cylindrical three-phase self-braking motor with an electromagnet, all with class F insulation.
- ✚ The motor brake system is 103V electromechanical spring type.
- ✚ Hoist is IP54 rated
- ✚ The load limiter clutch is a device that limits the maximum travel both upward and downward and acts as a limiter for overloads.
- ✚ The epicyclical type gearbox is lubricated with permanent grease. It is built in high resistance steel and subjected to heat treatments, thus guaranteeing a long life. With the recommended lubricants the hoist is able to operate in environments with temperatures between -20°C and $+50^{\circ}\text{C}$.
- ✚ The electrical panels are produced according to the CEI-EN 60204 standard with the traditional wiring system.
- ✚ The 24V low voltage transformer allows the hoist to carry out a high number of operations equal to 240 starts / hour.



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SPECIFICATIONS

| SPECIFICATIONS | |
|------------------------------|---|
| Operating Voltage | 400V / 50Hz / 3Ph |
| Load Chain | Load chain according to EN 818-7-DAT/DT |
| Pendant Control Cable | 5 metre |
| Power Cable | ≈ 4.5 metre without plug |
| Hoist Protection | IP 54 |
| Classification | M5/2m (ISO/FEM) |
| Duty cycle / Starts per hour | 40% / 240 |
| Insulation Class | F |
| Operating Temperature | -20°C - +50°C |

| PROTECTION | |
|---------------------|--|
| Control Switch | 24V pendant control switch with emergency stop button. |
| Overload Protection | Load limiter clutch acts as limiter for overloads. |
| Brake | Electromagnetic spring pressure brake, holds the load in the event of power failure. |
| Limit Switch | Electro-mechanical upper and lower limit switch. |
| Thermal Protection | Protected through heat sensor. |

ELECTRIC HOIST

| MODEL | CAPACITY kg | LIFTING SPEED m/min | LOAD CHAIN Ømm | CHAIN FALLS | POWER OUTPUT kW | NET WEIGHT kg |
|----------------|----------------|------------------------|-------------------|-------------|--------------------|------------------|
| W-ET-500-4-14 | 500 | 4 | 5 x 15 | 1 | 0.8 | 59 |
| W-ET-500-6-14 | 500 | 6 | 5 x 15 | 1 | 0.8 | 59 |
| W-ET-500-8-14 | 500 | 8 | 5 x 15 | 1 | 1 | 65 |
| W-ET-500-12-14 | 500 | 12 | 5 x 15 | 1 | 1.5 | 65 |

ELECTRIC TROLLEY

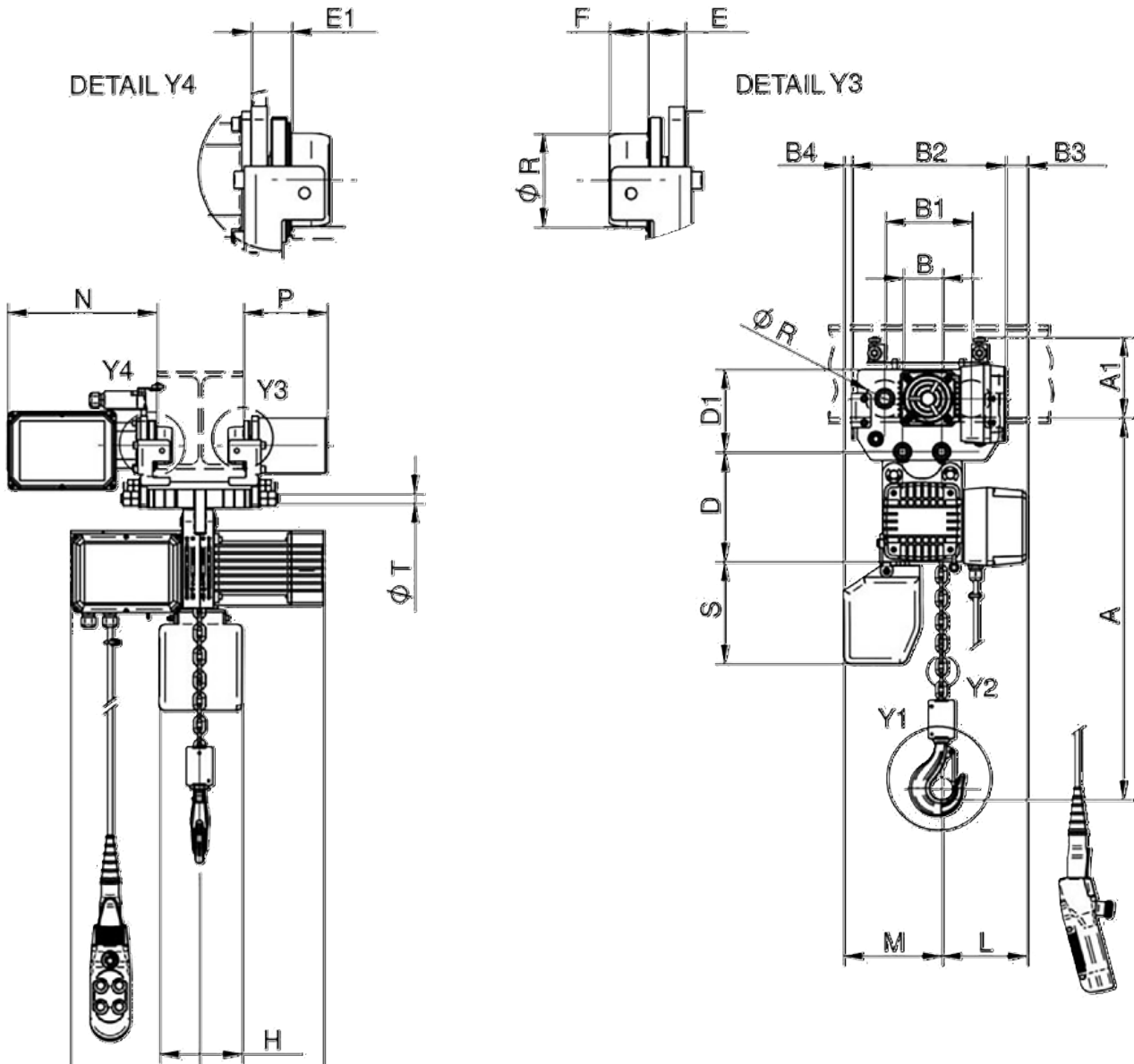
| MODEL | TYPE | CAPACITY kg | TRAVERSING SPEED m/min | DUTY CYCLE % | POWER OUTPUT kW | BEAM WIDTH mm | MIN. RADIUS m | WHEEL DIAMETER mm |
|----------------|------|----------------|------------------------------|--------------------|-----------------------|---------------------|---------------------|-------------------------|
| W-ET-500-4-14 | CE1 | 500 | 14 | 40 | 0.2 | 64-160 | 1 | 65 |
| W-ET-500-6-14 | CE1 | 500 | 14 | 40 | 0.2 | 64-160 | 1 | 65 |
| W-ET-500-8-14 | CE1 | 500 | 14 | 40 | 0.2 | 64-160 | 1 | 65 |
| W-ET-500-12-14 | CE1 | 500 | 14 | 40 | 0.2 | 64-160 | 1 | 65 |

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DIMENSIONS



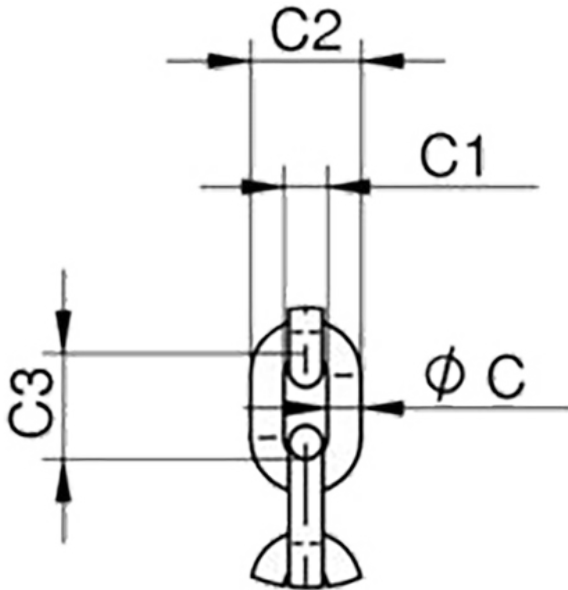
| MODEL | HOIST DIMENSIONS (MM) | | | | | | | | | | | | | | | | | | | | | | |
|----------------|-----------------------|-----|----|-----|-----|----|----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|
| | A | A1 | B | B1 | B2 | B3 | B4 | D | D1 | E | E1 | F | H | H1 | H2 | H3 | L | M | N | P | ØR | S | ØT |
| W-ET-500-4-14 | 415 | 145 | 65 | 158 | 283 | 30 | 12 | 177 | 155 | 27 | 31 | 25 | 150 | 235 | 205 | 440 | 150 | 175 | 280 | 155 | 65 | 225 | 14 |
| W-ET-500-6-14 | 415 | 145 | 65 | 158 | 283 | 30 | 12 | 177 | 155 | 27 | 31 | 25 | 150 | 235 | 205 | 440 | 150 | 175 | 280 | 155 | 65 | 225 | 14 |
| W-ET-500-8-14 | 415 | 145 | 65 | 158 | 283 | 30 | 12 | 177 | 155 | 27 | 31 | 25 | 150 | 235 | 205 | 440 | 150 | 175 | 280 | 155 | 65 | 225 | 14 |
| W-ET-500-12-14 | 415 | 145 | 65 | 158 | 283 | 30 | 12 | 177 | 155 | 27 | 31 | 25 | 150 | 245 | 225 | 470 | 150 | 175 | 280 | 155 | 65 | 225 | 14 |

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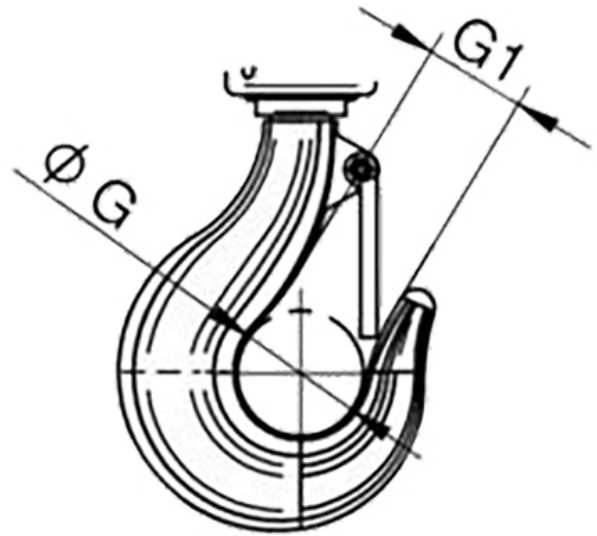
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DIMENSIONS



DETAIL Y2



DETAIL Y1

| HOIST DIMENSIONS (MM) | | | | | | | |
|-----------------------|----|----|------|----|----|----|--|
| MODEL | ØC | C1 | C2 | C3 | ØG | G1 | |
| W-ET-500-4-14 | 5 | 6 | 16.9 | 15 | 37 | 26 | |
| W-ET-500-6-14 | 5 | 6 | 16.9 | 15 | 37 | 26 | |
| W-ET-500-8-14 | 5 | 6 | 16.9 | 15 | 37 | 26 | |
| W-ET-500-12-14 | 5 | 6 | 16.9 | 15 | 37 | 26 | |

