



# WR Series electric chain hoists

WR series hoists are designed to lift loads from 1000 kg to 5000 kg in a production environment with a high duty cycle and proven reliability. The hoist body is completely manufactured completely from aluminium and steel with no plastic components. With the new design we have produced a hoist with the minimum low headroom and at the same time safe and reliable with particular attention to the selection and test of materials used.



## Electric motor

The three phase motor is produced with single or double windings for single or dual speeds. The insulation is class F for both motors. Manufactured to FEM standard 2m, the WR hoists have a duty of 55% on single speed hoists and 15+40% on dual speed hoists. Standard operating voltage's 230/400V, 3 phase, 50 Hz, other voltages available on request.

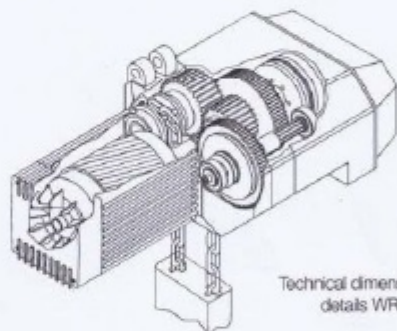
Hoist motor protected to IP 55 against ingress of dust and water, upgradeable to IP 65 upon request. The hoists 3000/4000/5000 have a standard fan assisted motor for better cooling and increased duty cycles.

## Reduction gear

The reduction gears are designed in such a way that the speed of the hoist can be changed simply by increasing or decreasing the number of components in the gearbox.

The gears are manufactured from high tensile steel and are hardened and heat treated to give maximum life. With the correct choice of oil the hoist can work within the following temperature range, -20°C to +60°C.

The **Hoist brake** is a 400 V AC electro magnetic brake type. The advantages of this 400v three phase brake are, high braking power, very strong structure and no transformer, the brake is manufactured from aluminium die-casting for good heat dissipation, the brake coil is fully encased in epoxy resin. The brake disk is manufactured from asbestos free material.



Technical dimensional details WR serie

WR series hoists are supplied with **upper and lower electric limit switches** to prevent hook over travel and prevent the use the clutch as an ultimate limit and extending the life of the clutch and gearbox

They are manufactured with two micro switches that operate on the auxiliary circuit of the hoist contactors cutting out operating contactor in the direction of lift.

The hoists are also equipped with a slipping clutch that is set to 120% of the working load limit to prevent accidental overloading.

All hoists are manufactured to CEI EN60204 governing the safety of electrical equipment with low voltage controls 24v, via a transformer mounted in a steel enclosure within the hoist body.

Due to the high quality of electrical contactors used and the 400 vac brake we guarantee the WR series hoists for more than 240 operations per hour.

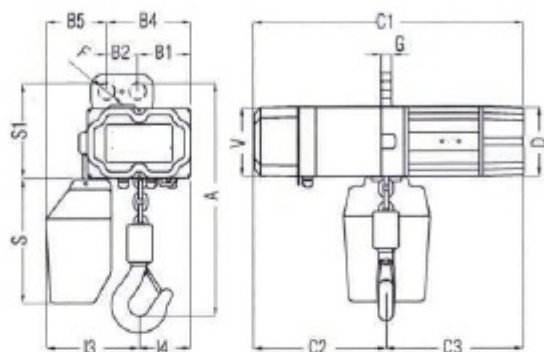




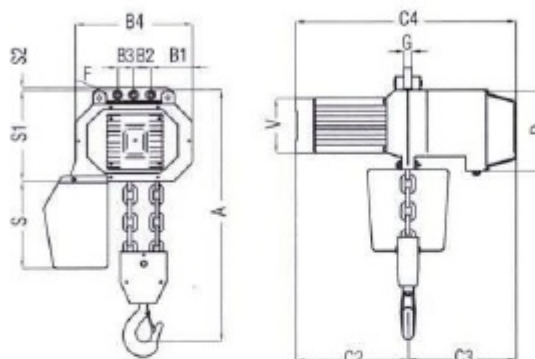


## Type F dimensions

WR 2000 - Type F

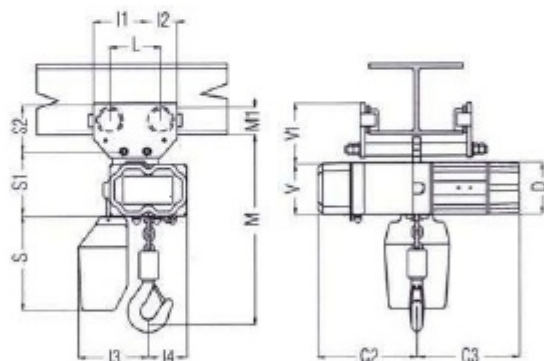


WR 3000/4000/5000 - Type F

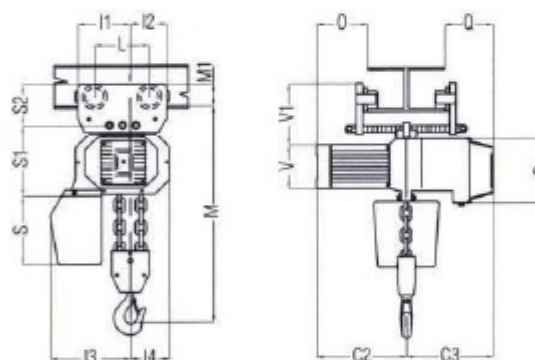


## Type CS dimensions

WR 2000 - Type CS

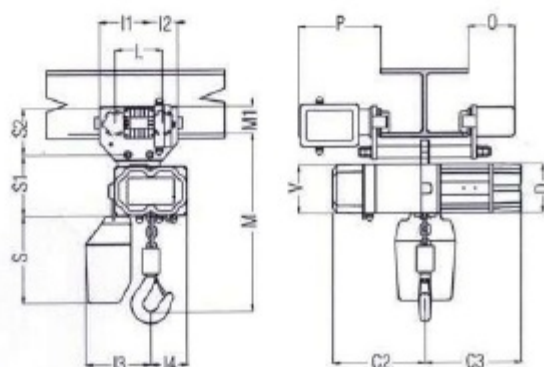


WR 3000/4000/5000 - Type CS

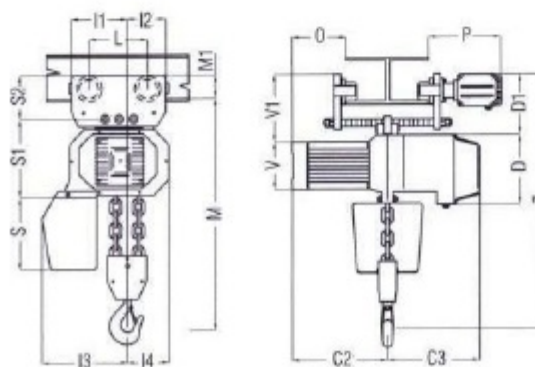


## Type CE dimensions

WR 2000 - Type CE



WR 3000/4000/5000 - Type CE





models **WR Series**



**Type F**



**Type CS**



**Type CE**