

**MANNESMANN
DEMAG**

Demag Superlifter CC 12000

A new dimension for heavy construction



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THE DIMENSION The Demag Crawler Crane CC 12000, with a maximum load moment of 40000 mt and a multitude of boom configurations, represents a new dimension in Demag heavy-duty cranes. It has been designed to serve the rigorous demands of heavy construction contractors, opening up tremendous possibilities in heavy-lift applications.

THE CONCEPTION The excellent design of the CC 12000 includes many years of experience of Demag engineers in heavy-duty crane construction. The target of this crane's development, which is lifting and handling the heaviest loads in confined spaces, has been reached with the CC 12000 – lifting unit loads of 1000 t and more can now be achieved.

HIGH AND STRONG The worldwide approved Demag boom system, abbreviated SWSL, allows outstanding lifting capacities, also with this Demag crane. SWSL, that means a strong main boom with Superlift, combined with a luffing jib. This boom system ensures highest flexibility for handling loads on cramped building sites. The simple version with rigidly suspended fly jib is called SFSL.

THE PRACTICE The pre-assembly of large elements minimizes construction time, improves quality and operation safety and cuts down the costs involved. The CC 12000 enables the picking up of complete large pre-assembled pieces from the ground and lifting them quickly and safely into place.



The dimension



The conception



High and strong



The practice ►



A BIG PIECE The 1000 t hook block is raised with 4 times 11 falls, powered by 4 hoists. Balancing beams provide for ideal power equalization between the 4 blocks.

THE BIGGEST, BUT MOBILE The experience on the heavy construction sites throughout the world has shown that it is not only important to pick up large assemblies, but also to walk them into place. The concept of the CC 12000 includes a crawler carrier, which meets these requirements. The large carrier with four drive units and extremely wide crawler pads allows to travel loads at relatively low ground pressures.

THE GIANT The CC 12000 is the largest free-slewing crawler crane in the world. It offers the most economic solution for the construction of power plants, drilling rigs and large assemblies.



A big piece



The biggest, but mobile



The giant

THE OPERATOR'S CAB

The ergonomic arrangement of controls and instrumentation provide for fatigue-free operation.



THE POWER PLANT The diesel engine, with its output of 783 kW, powers the 5 winches on the superstructure and the 2 additional drums on the boom. The clear arrangement of the winches and a special reeling system (Lebus) ensure safe operation. A connecting pinion provides synchronous operation of the hoists, and sensitive control ensures precise working even with heaviest loads.

