

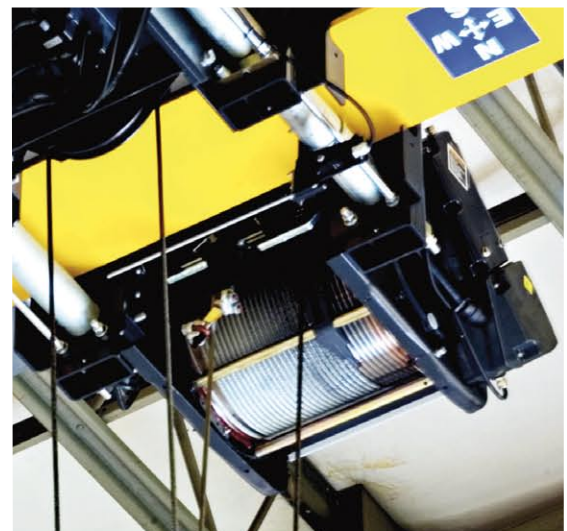
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CXT WIRE ROPE HOISTS

KONECRANES®
Lifting Businesses™

CXT Wire Rope Hoists

PERFORMANCE WITH DIMENSIONS



THE INNOVATIVE CXT HOISTS

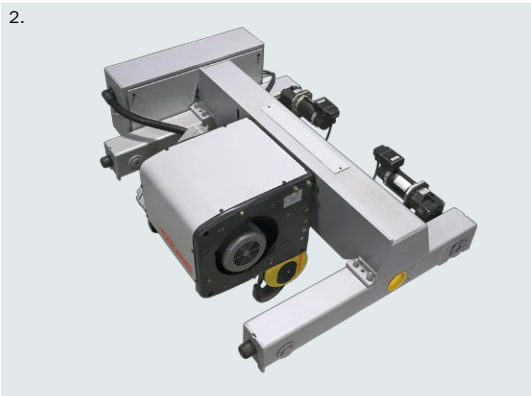
CXT electric wire rope hoists represent a totally new approach within the lifting equipment industry. An innovative mechanical configuration plus state-of-the-art speed control and motor technology have made the CXT hoist the industry benchmark. CXT hoists offer exceptional performance, easy load handling, superior safety, improved ergonomics and favorable dimensions. For industrial cranes, solo hoist or monorail applications or for upgrading existing hoisting equipment, CXT wire rope hoists offer the best return on your investment.

Superior safety and long-lasting reliability
Safety and reliability are built into all of the CXT hoists. Designs, materials and manufacturing methods all represent cutting edge technology, the result of extensive R&D, which can only be justified for high-volume production. Compared to conventional designs, the lifting ropes of CXT hoists can be expected to last for multiple lifetimes due to the large rope drum diameter and rope angles, which reduce stress and bending forces. Safety and reliability are enhanced by the CXT hoists' excellent power transmission and braking systems. The high-performance brakes have an adjustment-free and dust-proof construction. They are designed for the lifetime of the hoists (FEM) and can brake over one million times without adjustment. The gears used in CXT hoists are manufactured with extreme accuracy, which, combined with hardened and ground gear fabrication, means trouble-free operation even after years of intensive use.

Revolutionary compact design
The innovative design concept of the hoists makes these high performance hoists smaller in size and lighter in weight. Reduced hook approaches create more usable workspace. For new facilities, the hoists improve flexibility in factory layout and material flow planning, and enable the use of a smaller building that is less expensive to build.

Easy and effective load handling
The CXT hoists offer smooth movements and fast load positioning. Inverter control for trolley travelling in CXT hoists is a standard feature and minimizes load swing. The hoist's innovative design with a rope drum that is large in diameter but short in length means that horizontal travel of the hook during lowering is minimal. As a result, accurate load positioning is faster.

Exceptional performance
The hoisting motor is a key element in determining the power and performance of the hoist. Konecranes developed new, high-performance hoisting motors for its CXT hoist line, which combine power with superior cooling characteristics. These entirely modern hoisting motors with a 60% ED rating not only deliver increased performance for temporary peak usage situations, but also improved reliability. Two-speed hoisting and smooth, inverter-controlled travelling movements shorten material handling times and boost productivity.



Advantages for crane modernization and factory retrofit
Compared to traditional designs, the CXT hoist with its smaller hook approach and low headroom profile can operate closer to walls and lift loads higher. When cranes are modernized with CXT hoists, previously unused or under-utilized areas can become productive workspace. The hoist's stepless travelling motion and precise load positioning features increase crane productivity and decrease the risk of load damage. Easy load control and reduced load swing improve safety for the modernized crane. As a replacement hoist, the compact design and lighter weight of the CXT hoist make it easier to install, and parts are always available.

Versatile models and features
The CXT hoist range meets an extremely wide variety of application requirements. Many available lifting capacities, speeds, trolley types, duty classes and the comprehensive range of standard and additional features guarantee effective, safe and reliable solutions for your lifting needs.

- > Low headroom trolley**
The most common solution employed for single girder cranes and monorails. The most compact design for maximum space utilization.
- > Double girder trolley**
The ideal solution for double girder cranes used to lift heavier loads.
- > Normal headroom trolley**
Mainly used in monorails when side clearances are restricted or for applications with curved runways.

1. Low headroom trolley, 2. Double girder trolley, 3. Normal headroom trolley

CXT Wire Rope Hoists, standard product range in FEM 2m utilization class.

HOIST TYPE	ROPE REEVING	MAX LOAD (kg) FEM 2m	MAX H.O.L (m)	STANDARD HOISTING SPEED m/min, 50Hz (60Hz)	STANDARD MOTOR TYPE	MAX HOISTING SPEED m/min, 50Hz (60Hz)	TROLLEY TYPE			
							FIXED HOIST	LOW HEAD-ROOM	NORMAL HEAD-ROOM	DOUBLE GIRDER
CXT100	1:2	1000	12	8/1.3 (9.5/1.6)	PX	8/1.3 (9.5/1.6)	-	X	-	-
	1:4	2000	9	4/0.7 (4.8/0.8)	PX	4/0.7 (4.8/0.8)	-	X	-	-
CXT200	1:2	1000	19	10/1.7 (12/2)	P1	16/2.7 (19/3.2)	X	X	X	X
	1:4	2000	9.5	5/0.8 (6/1)	P1	8/1.3 (9.5/1.6)	X	X	X	X
CXT300	1:2	1600	19	10/1.7 (12/2)	P2	16/2.7 (19/3.2)	X	X	X	X
	1:4	3200	9.5	5/0.8 (6/1)	P2	8/1.3 (9.5/1.6)	X	X	X	X
CXT400	1:2	2500	30	10/1.7 (12/2)	P3	16/2.7 (19/3.2)	X	X **	X	X
	1:4	5000	15	5/0.8 (6/1)	P3	8/1.3 (9.5/1.6)	X	X **	X	X
	1:6	7500	10	3.2/0.5 (3.8/0.6)	P3	5/0.8 (6/1)	X	-	X	X
	1:8	8000	7.5	2.5/0.4 (3/0.5)	P3	4/0.7 (4.8/0.8)	X	-	X	X
CXT500	1:2	5000	40	10/1.7 (12/2)	P5	20/3.3 (24/4)	X	X **	X	X
	1:4	10000	20	5/0.8 (6/1)	P5	10/1.7 (12/2)	X	X **	X	X
	1:6	15000	13	3.2/0.5 (3.8/0.6)	P5	6.3/1.1 (7.5/1.3)	X	-	X	X
	1:8	16000	10	2.5/0.4 (3/0.5)	P5	5/0.8 (6/1)	X	-	X	X
	2:2	5000	46	10/1.7 (12/2)	P5	20/3.3 (24/4)	X	-	X	X
	2:4	10000	23	5/0.8 (6/1)	P5	10/1.7 (12/2)	X	-	X	X
	2:6	15000	15	3.2/0.5 (3.8/0.6)	P5	6.3/1.1 (7.5/1.3)	X	-	X	X
	2:8	16000	11.5	2.5/0.4 (3/0.5)	P5	5/0.8 (6/1)	X	-	X	X
CXT600	1:2	8000	97	8/1.3 (9.5/1.6)	P6	20 * (24 *)	X	-	X	X
	1:4	16000	48.5	4/0.7 (4.8/0.8)	P6	10 * (12 *)	X	-	X	X
	1:6	25000	32	2.5/0.4 (3/0.5)	P6	6.3 * (7.5 *)	X	-	X	X
	1:8	32000	24	2/0.3 (2.4/0.4)	P6	5 * (6 *)	X	-	X	X
	2:2	8000	98	8/1.3 (9.5/1.6)	P6	20 * (24 *)	X	-	X	X
	2:4	16000	49	4/0.7 (4.8/0.8)	P6	10 * (12 *)	X	-	X	X
	2:6	25000	32.5	2.5/0.4 (3/0.5)	P6	6.3 * (7.5 *)	X	-	X	X
	2:8	32000	24.5	2/0.3 (2.4/0.4)	P6	5 * (6 *)	X	-	X	X
CXT700	2:2	16000	71	8/1.3 (9.5/1.6)	2*P6	20 * (24 *)	X	-	-	X
	2:4	32000	35.5	4/0.7 (4.8/0.8)	2*P6	10 * (12 *)	X	-	-	X
	2:6	50000	23.5	2.5/0.4 (3/0.5)	2*P6	6.3 * (7.5 *)	X	-	-	X
	2:8	63000	17.5	2/0.3 (2.4/0.4)	2*P6	5 * (6 *)	X	-	-	X
	2:8	80 000	17.5	2/0.3 (2.4/0.4)	2*P6	5 * (6 *)	X	-	-	X

* With inverter control

** Not available for max. H.O.L. Check the availability from sales support

HOISTING MOTOR	POWER (kW)
PX	1.5
P1	1.8
P2	3.6
P3	4.5
P4	7.5
P5	9
P6	15
2*P6	30

Shorter
page

For more information about the complete product range, please contact your local Konecranes Sales.

STANDARD FEATURES

Hoisting motor

- > Dual-speed hoisting with 6:1 ratio
- > Heavy-duty 60% ED rating
- > Class F insulation and IP55 protection class

Hoisting brake

- > Adjustment-free
- > Dust-protected with asbestos-free lining
- > Heavy-duty brake

Gearbox

- > Totally enclosed
- > Hardened and ground helical-type gearwheels
- > Semi-fluid grease lubrication
- > Corrosion-proof housing with powder epoxy paint

Rope drum and guide

- > Large rope drum diameter
- > Heavy-duty drum bearing
- > Cast iron rope guide

Travelling machinery

- > Enclosed drive wheels and lubricated drive train

Inverter control for trolley travelling:

- > Accurate load positioning
- > Reduced load swing
- > Wide speed range
- > Adjustable acceleration and braking ramps
- > Safe and easy use

Hoist control panel

- > Integrated weatherproof IP55 housing
- > Plug-in connectors

Limit switches

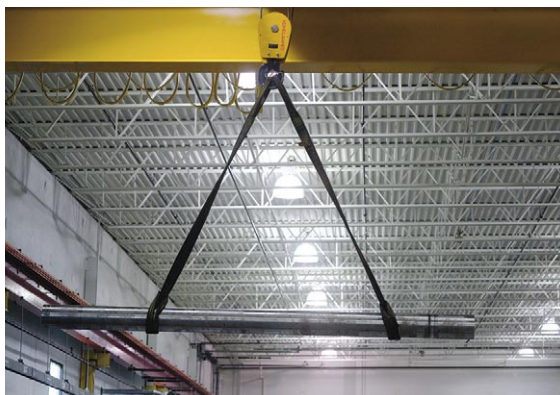
- > Four-step rotating hoisting limit switch with phase sequence control

ControlPro: system for hoist safety and performance control

- > Overload protection
- > Thermal protection of hoisting motors
- > Soft start and stop control for hoisting
- > Calculation of Safe Working Period (FEM 9.755)
 - > Versatile performance monitoring counters; operating hours, starts, number of hoisting cycles, average load, remaining life of hoisting brake
- > ControlPro Optic Interactive display in the pendant station or radio control transmitter for:
 - > Load monitoring
 - > Safe Working Period monitoring
 - > Monitoring of performance counters
 - > Alarm indications
- > ControlPro Multicare for:
 - > Sum Load monitoring when multiple hoists on a crane

OPTIONS:

- > Stepless hoisting speed control
- > Wide range of optional hoisting speeds available
- > Second disk brake on the hoist
- > Drum brake
- > Swiveling trolleys for curved monorails
- > IP66 protection class
- > Load display
- > Buffer extension between trolleys
- > Derailment catches for double girder trolley
- > Additional limit switches
- > Rain covers
- > Lockable hook block
- > And many more






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Konecranes is a world-leading group of Lifting Businesses, serving a broad range of customers, including manufacturing and process industries, shipyards, ports and terminals. Konecranes provides productivity-enhancing lifting solutions as well as services for lifting equipment and machine tools of all makes. In 2008, Group sales totaled EUR 2,103 million. The Group has 9,900 employees, at more than 470 locations in 43 countries. Konecranes is listed on the NASDAQ OMX Helsinki Ltd (symbol: KCR1V).

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Konecranes Standard Lifting Corporation Vankanolähte 7 FI-13100 Hämeenlinna Finland
Tel +358-(0)20 427 11 Fax +358-(0)20 427 3599 www.konecranes.com