

ENG
11
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Owner's Manual

WorkNumber: 02005719210010
CustomerProject: 2380021
CustomerRef: 0200571921
CraneNumber: B5170A2
Project: 2N10004980

Set: 1

Certificates

DCCN2680088

CERTIFICATE

PS11538
DCCN2680089

CERTIFICATE

PS11538

Certificates

Hoist Test Certificate

References

Manufacturer No. 200571921/20 Job number 2380021

Hoist

Type of hoist	CXT50410100P55FDMAS	Load	10.000 kg
Serial number of the hoist	10547136	Drum load	-
Height of lift	9,0 m	Duty class	M5
Rope stroke	-	Total power	10.3 KW
Total current	23.2 A		

Hoisting machinery

Hoisting motor type	MF11X-106N166P85006E-IP55	Power (kW)	9 KW
Serial number	10492695	Hoisting speed	5,00/0,83 m/min
Gear type	GEN305NB000-B	Rope speed	-/-
Serial number	10528901		

Controls

Main voltage	415 V	Frequency	50 Hz
Control voltage	48 V	Serial number	H67323
Control type	2SP	Overload device	SG
Pendant cable	-	Adjusted load	11.000 kg
Wiring diagram	200571921		
Wiring standard	IEC		

Trolley

Travelling motor type	MF06LA200-132F95001E-IP55	Rail gauge	1.400 mm
Serial number	31232871,31232869	Wheel groove	64 mm
Gear type	GES342PS3BO-A	Inverter Serial no	-
Serial number	10409159,10409158		
Power (kW)	0.65 KW		
Trolley type	MA		
B-measure nom.	-		
Trolley speed	20,0 m/min/-		

Factory tests

Number of starts 43
Test run with 100% load.
Dynamic overload test, 125% load.
10% under voltage test, 100% load.
Overload set at 110% load.

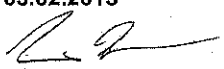
Note

Currents on motor type plate are according to ISO/FEM M5.

Konecranes Finland Corp.
Ruununmyllytie 13

13210 HÄMEENLINNA
FIN

Test Date
03.02.2015


Juhani Hornborg

WIRE ROPE CERTIFICATE

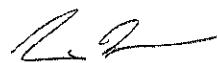
Manufacturer No.	200571921/20
Job number	2380021
Serial number of the hoist	10547136
Coil/Reel number	0000017015
Rope manufacturer's reference	S-00331420-013
Diameter (mm)	11,0
Length	43,0 Meter
Construction	8XK19S-PWRC(K)
Lay	Left hand ordinary
Tensile grade (N/mm ²)	2160
Surface finish of wires	Galvanized
Break load (kN)	150

We do hereby certify that the particulars above are correct.

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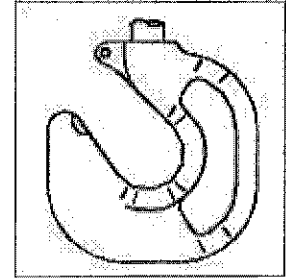
Test Date
03.02.2015



Juhani Hornborg

HOOK CERTIFICATE

Manufacturer No. 200571921/20
Job number 2380021
Serial number of the hoist 10547136
Label of the forging SD1 HBC5V 14H8
Forging manufacturer's reference 52295729
DIN No 15400
Hook size and type HBC 5 V
Batch Number 0000015900



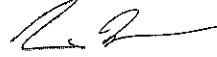
Mechanical properties

	Rc2 (N/mm2)	Av(ISO-V) (J)
Requirements	620	34
Test result	719	90

We do hereby certify that the particulars above are correct.

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13210 HÄMEENLINNA
FIN

Test Date
03.02.2015


Juhani Hornborg

Hoist Test Certificate

References

Manufacturer No. 200571921/30 Job number 2380021

Hoist

Type of hoist	CXT40210025P35FBMBS	Load	2.500 kg
Serial number of the hoist	10547080	Drum load	-
Height of lift	12,0 m	Duty class	M5
Rope stroke	-	Total power	- KW
Total current	- A		

Hoisting machinery

Hoisting motor type	MF10X-106N163P85003E-IP55	Power (kW)	4.5 KW
Serial number	10469887	Hoisting speed	10,00/1,70 m/min
Gear type	GEN205NB000-B	Rope speed	-/-
Serial number	10526807		

Controls

Main voltage	415 V	Frequency	50 Hz
Control voltage	48 V	Serial number	H67316
Control type	2SP	Overload device	SG
Pendant cable	-	Adjusted load	2.750 kg
Wiring diagram	200571921		
Wiring standard	IEC		

Trolley

Travelling motor type	-	Rail gauge	-
Serial number	-	Wheel groove	-
Gear type	-	Inverter Serial no	-
Serial number	-		
Power (kW)	- KW		
Trolley type	MB		
B-measure nom.	-		
Trolley speed	-/-		

Factory tests

Number of starts 36
Test run with 100% load.
Dynamic overload test, 125% load.
10% under voltage test, 100% load.
Overload set at 110% load.

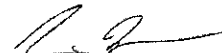
Note

Currents on motor type plate are according to ISO/FEM M5.

Konecranes Finland Corp.
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13210 HÄMEENLINNA
FIN

Test Date
03.02.2015



Juhani Hornborg

WIRE ROPE CERTIFICATE

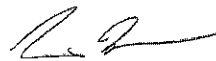
Manufacturer No.	200571921/30
Job number	2380021
Serial number of the hoist	10547080
Coil/Reel number	0000018136
Rope manufacturer's reference	S-00331424-006
Diameter (mm)	8,0
Length	30,0 Meter
Construction	8XK19S-PWRC(K)
Lay	Left hand ordinary
Tensile grade (N/mm ²)	2160
Surface finish of wires	Galvanized
Break load (kN)	81

We do hereby certify that the particulars above are correct.

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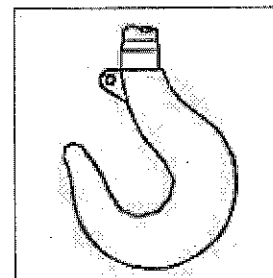
Test Date
03.02.2015



Juhani Hornborg

HOOK CERTIFICATE

Manufacturer No. 200571921/30
Job number 2380021
Serial number of the hoist 10547080
Label of the forging V/NR.1DIN15401 KOS13A-2
Forging manufacturer's reference 52294060
DIN No 15401
Hook size and type RSN 1 V
Batch Number 0000015274



Mechanical properties

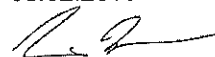
	Rc2 (N/mm ²)	Av(ISO-V) (J)
Requirements	620	27
Test result	664	72

We do hereby certify that the particulars above are correct.

Konecranes Finland Corp.
Ruununmyllyntie 13

13210 HÄMEENLINNA
FIN

Test Date
03.02.2015



Juhani Hornborg

EC Declaration of Conformity

(Machinery Directive 2006/42/EC, Annex II, sub. A)

Manufacturer: **Konecranes UK Ltd.**

Address: **2 Peel Park Place, College Milton,
East Kilbride, Glasgow, G74 5LR**

Person who is authorised to compile the technical file:

Stuart Whiting

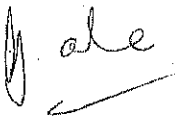
The manufacturer herewith declares that the machinery:

Description: **10/2.5 Tonne CXT Double Girder Crane**

Model: **CXT50410100P55FDMAS
CXT40210025P35FBMBS**

Job No: **B5170A2**

- is in conformity with the relevant provisions of the Machinery Directive 2006/42/EC and EMC Directive 2004/108/EC.
- Is manufactured according to the following European harmonised standards: EN 15011
- Is manufactured according to the following standards and technical specifications, and according to the technical specifications of the particular project: FEM 1.001.



Gordon Adie
Managing Director

Konecranes UK Ltd.

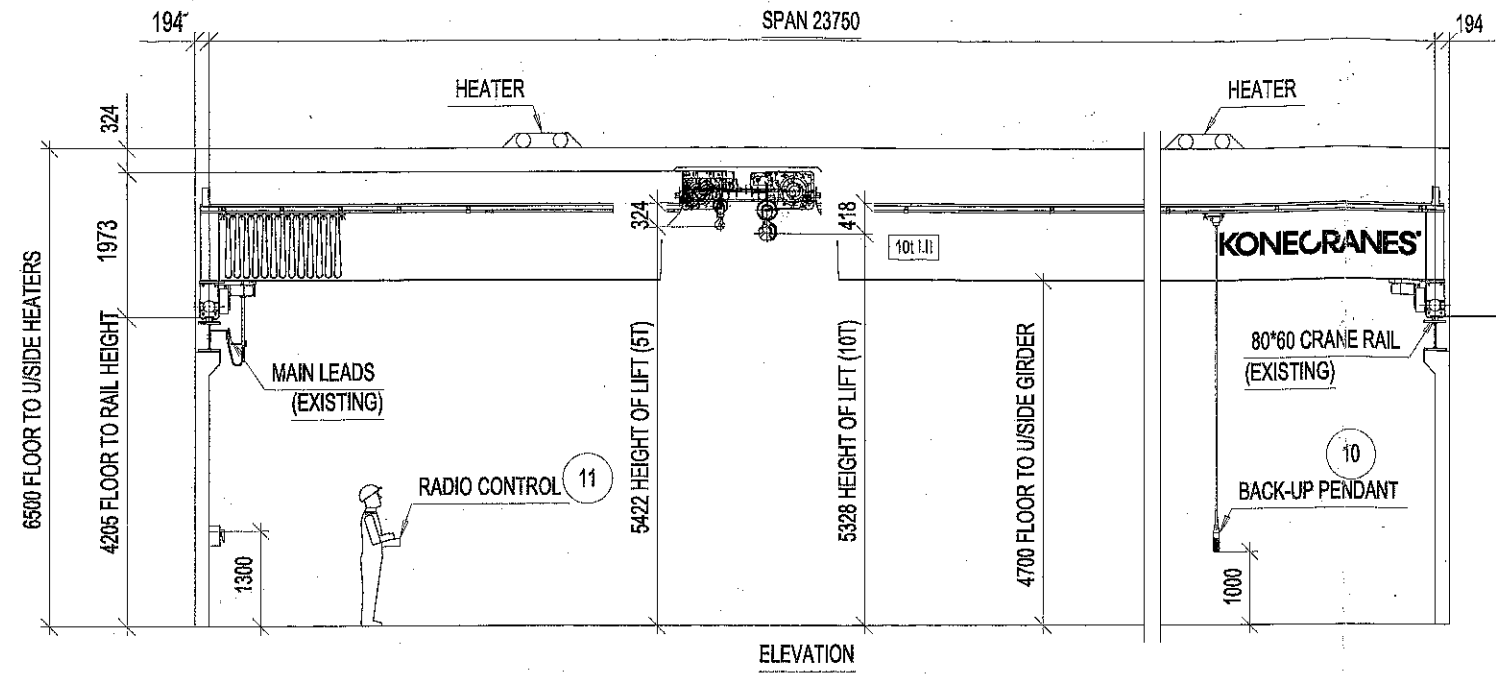
Company

Glasgow – 01.04.2015

Place and Date of Issue

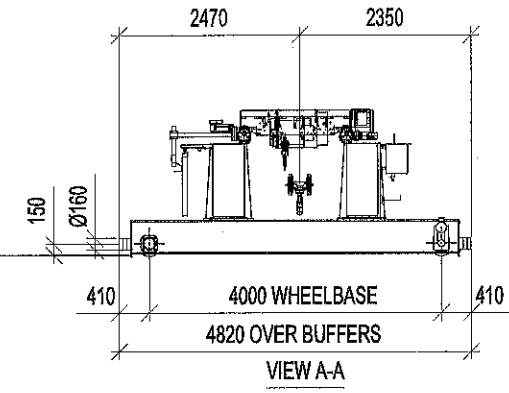
Rev	Description	Date	Revised by
A	FIRST ISSUE	2014-12-18	C. Hamilton

NOTE; GANTRY RAIL TOLERANCES TO BE IN ACCORDANCE WITH BS466;1984, APPENDIX 'F'



MAIN LEADS - RC4 125AMP KONEDUCTOR - LINE FEED (EXISTING)
MOUNTED TO WEB OF GANTRY BEAM
ISOLATOR AND RISER CABLE INCLUDED

ALL SPEED TOLERANCES WITH WORKING LOAD ±10%

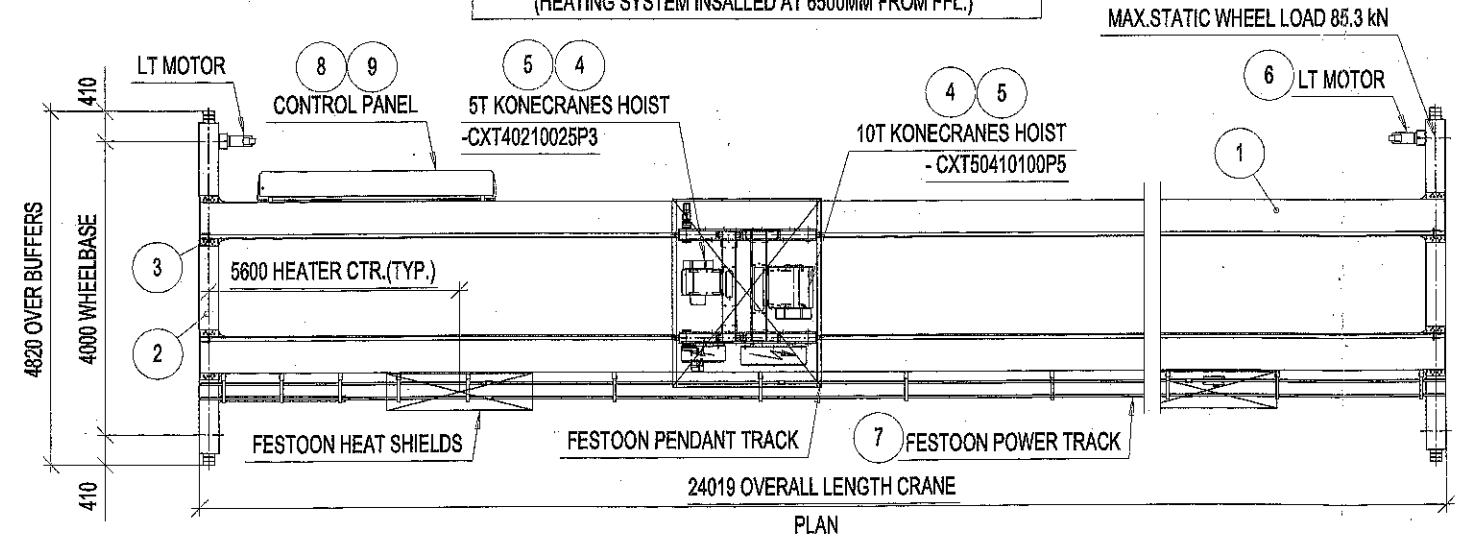


TECHNICAL DATA

- SPAN : 23,75 m
 - LOAD : 10000 kg / 2500 kg
 - CRANE CAPACITY : 10t L.I.
 - LIFTING HEIGHT : 5,34 m
 - HOISTING SPEED : 5/0.83 m/min 2-speed
 - HOISTING MOTOR : 1x MF11X-106, 9/1.4kW, 60%ED
 - HOISTING SPEED AUX : 10/1.7 m/min
 - HOISTING MOTOR AUX : 1x MF10X-106, 4.5/0.7kW, 60%ED
 - TRAVERSING SPEED : 20/5 m/min stepless
 - TRAVERSING MOTOR : 2x MF06LA20P, 0.41kW, 40%ED
 - TRAVELLING SPEED : 63 m/min stepless
 - TRAVELLING MOTOR : 2x MF07XB100, 2.15kW, 40%ED
 - WEIGHT OF TROLLEY : 990 kg
 - WEIGHT OF BRIDGE : 12630 kg
 - MAIN/CONTROL VOLTAGE : 415 / 48 V; 50 Hz
 - CRANE GROUP : A4
 - HOIST GROUP : FEM M5
 - HOIST GROUP AUX : FEM M5
 - CRANE DRIVE GROUP : FEM M5
 - SUPPLY POWER : 14.11 kW
 - LENGTH OF RUNWAY : 83,8 m
- Indoor Use crane 5°...40° C

NOTE; RESTRICTED ZONE - HIGH LEVEL MACHINERY BELOW.
SPEEDS WITHIN ZONE:
CRANE BRIDGE TRAVEL SLOWS TO 30%. (ADJUSTABLE)
TROLLEY TRAVEL SLOWS TO 25%. (ADJUSTABLE)
LIGHT / SIREN WARNING INDICATION FOR TRAVEL.

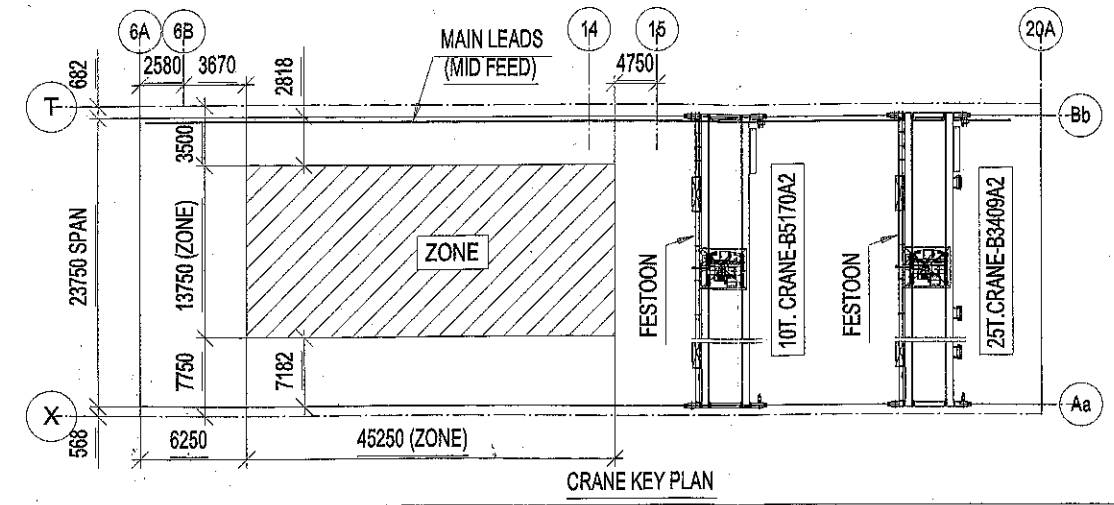
NOTE; TROLLEY NOT TO BE PARKED AND LEFT UNDER HEATERS.
(HEATING SYSTEM INSTALLED AT 6500MM FROM FFL.)



TOYODA GOSEI WALES

JOB NO. B5170A2

Rev	Qty	Description	Specification	Weight kg/pcs
11	1	REMOTE CONTROL	REMOX516EC0T0DRPCE00ST	
10	1	PENDANT	PENDAX12-2222NDV2-046P0	
9	1	CRANE DRIVE CO	DYNAC2C005FPXXBON0L	
8	1	ELECTRICS PANE	CRANLP5-2CC6V2-22HE	
7	1	HOIST SUPPLY	QQSMD13MX0P522238E	
6	2	CRANE DRIVE	GES556PS2B0F07XB100-5400E	
5	1	HOIST DRIVE CO	DYNAC2C002FPXXBON0L	
4	1	HOIST	CXT50410100P5 / CXT40210025P3	
3	2	JOINT	B-TOP-K -STD-S	
2	2	END CARRIAGE	ECN32-4099-K51198H0000-N	
1	2	MAIN GIRDER	B5170A2-B	



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Appd	Date	Project	Department	Size
	2014-12-18	B5170A2	KCB	A2
Check	Title			Scale
C. Hamilton	10 TONNE CXTD CRANE			1:70
Drawn	Title			
C. Hamilton	CLEARANCE DIAGRAM			
KONECRANES				Rev
TOYODA GOSEI WALES				A
Drawing no. B5170A2-CD				