2 TECHNICAL SPECIFICATION

2.1 Item 1 ● 5t CXTS Single girder crane with 24 m span

2.1.1 References

Client's reference number:.....
Seller's reference number:..... 5T CXTS Span 24 HOL 7M
Description: .....

2.1.2 Technical data of the crane

Quantity..... 1
Capacity crane..... 5 000 kg
Type ..... CXTS Single girder crane
Girder type ..... Welded box
Number of rail wheels 4
Wire rope hoist type ..... 1 x CXT40410050P3
Trolley type ..... Low headroom
Reeving type ..... True lift
Hook type 3
Crane weight with hoist..... 5 870 kg

Wheel loads	Static wheel load	40.7 KN	
	Horizontal wheel load	See wheel load table	
	Wheel load along rail	4.1 KN	
Dimensions	Span	24 m	
	Lifting height	7 m (Max. 9 m)	
	Free space under crane	7 425 mm	
	Max deflection (100% SWL)	29.3 mm	
	Runway rail type	50*30	
Duty groups	Steel structure	FEM A4	
	Hoisting	FEM M5 (2m)	
	Cross traveling	FEM M5 (2m)	
	Crane traveling	FEM M5 (2m)	
Speeds	Hoisting speed	5/0.83m/min	2 - speed
	Trolley traversing speed	20m/min	stepless
	Bridge traveling speed	25m/min	stepless
Motors	Hoist motor power	4.5/0.7 kW	60% ED
	Trolley traverse motor power	1 x 0.45 kW	40% ED
	Bridge travel motor power	2 x 0.32 kW	40% ED
Crane control	Pendant control – Freely movable along crane girder		
Crane power	Needed power	5.6 kW	
	Main voltage	3Ph / 415 V / 50 Hz	
	Control voltage	115 V	
	Starting current	47.4 A	
	Starting Cos φ	0.84	
	Nominal current	14.6 A	

Operation	Location	Indoor
	Ambient temperature	5 - 45 °C
Surface treatment	Crane structure	Preparation: SA2,5 E 120 µm, RAL1028
	Machinery	E 120 µm - 5 mil, black/gray
	Electric panels	E 120 µm - 5 mil, black/gray
Limit switches	Hoisting	UP and DOWN - 4 adjustable points
	Long traveling	1-step, slow down (unless specified differently in Special features)
IP protection	Electrical cubicles	IP54
	Motors	IP55

Scope of supply ..... Complete shop assembled crane with main girder(s),
Hoist, trolley, drives and electrification.
Rail Size 50 x 30 & DSL of rating 100 A.
Erection of Crane, Rail & DSL.
Crane Transportation in M/s Konecranes India scope.

Other standard features (Included in supply)

- Overload limiting device
- Heavy duty rope guides to prevent wire rope overlap
- Squirrel cage motors with disk brakes
- UP and DOWN adjustable hoisting limit switches
- Thermal protection on hoisting motor
- Under voltage and over current protection
- Main line contactor
- Fused disconnect switch

Special features (Included in supply)

- DynADrive stepless speed control for trolley traversing motion
- DynADrive stepless speed control for bridge traveling motion
- 1-step limit switch, bridge traveling (slow-down)
- ControlPro Lifetime
- ControlPro Perform
- 1-step limit switch, trolley traveling (slow-down)