

MECHANICAL DATA SHEET
 100T AND 10T COMBINED TROLLEY HOISTS
 100-XH-001 200-XH-001 300-XH-001
 Опросный лист на комбинированную таль
 с тележкой грузоподъемностью 100 т и 10 т
 100-XH-001, 200-XH-001, 300-XH-001

Rev./Ред. 02P

REV		
1	APPLICABLE TO :	<input type="checkbox"/> INQUIRY <input checked="" type="checkbox"/> PURCHASE <input type="checkbox"/> AS BUILT
2	MANUFACTURER :	
3	LOCATION IN PLANT :	100-HMB -700
4	BEAM LENGTH (m) :	43.8
5	HOIST USE :	<input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> PRODUCTION
6	MAXIMUM RATED CAPACITY (t) :	100
7		HEIGHT OF LIFT (m) : 29
8	SITE AND UTILITY: Note 1	
9	LOCATION:	ALTITUDE,m: _____ BAROMETRIC PRESSURE,mBar: _____
10	<input checked="" type="checkbox"/>	AMBIENT TEMPERATURE,°C.: NORMAL: 7.4 MAXI: 30.1 MINI: minus 52 DESIGN: minus 52 / 65
11	<input type="checkbox"/>	HUMIDITY AT DESIGN TEMPERATURE, %: _____ CORROSION BY: _____
12	<input type="checkbox"/> INDOOR	<input checked="" type="checkbox"/> OUTDOOR <input checked="" type="checkbox"/> UNHEATED <input type="checkbox"/> HEATED
13		
14	<input type="checkbox"/> HAZARDOUS AREA	<input checked="" type="checkbox"/> CLASSIFIED AREA : CLASS : 2 GROUP : IIA TEMPERATURE : T3
15		DUST AREA:
16		FIRE AREA:
17		
18	APPLICABLE STANDARDS	<input type="checkbox"/> ANSI <input type="checkbox"/> JIS <input type="checkbox"/> DIN <input type="checkbox"/> BS <input checked="" type="checkbox"/> FEM
19		
20	LOAD CHARACTERISTICS	MAIN CHARACTERISTICS
21		
22	HEAVIEST LOAD :	100t
23		Hoist Rail:
24		<input checked="" type="checkbox"/> Run-way Fixations : Clamped
25		<input checked="" type="checkbox"/> Rail Type : PG500x800 (50mm flange thickness)
26		
27		
28		Hoisting Unit:
29		<input type="checkbox"/> Crab <input type="checkbox"/> Hoist
30		<input type="checkbox"/> Chain <input checked="" type="checkbox"/> Wire Rope <input type="checkbox"/> Flat Sling
31		<input type="checkbox"/> Muffler
32		Prehension-gripping
33		<input checked="" type="checkbox"/> Hook <input type="checkbox"/> Single <input type="checkbox"/> Double
34		with safety latch <input type="checkbox"/> Turnable <input type="checkbox"/> Drived
35		<input type="checkbox"/> Pliers <input type="checkbox"/> Electro-Magnet
36		<input type="checkbox"/> Spreader <input type="checkbox"/> Auto <input type="checkbox"/> Semi-Auto
37		Type to be confirmed by PROTEA
38		Control / Commande
39		<input type="checkbox"/> Fixed <input checked="" type="checkbox"/> Pendant control
40		<input type="checkbox"/> Bridge <input type="checkbox"/> Trolley <input type="checkbox"/> Mobile
41		<input checked="" type="checkbox"/> Radio control <input type="checkbox"/> Infrared control
42		<input type="checkbox"/> Cab <input type="checkbox"/> fixed <input type="checkbox"/> Mobile <input type="checkbox"/> Open
43		<input type="checkbox"/> Closed <input type="checkbox"/> Heated <input type="checkbox"/> Air conditioned
44		
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50	NOTES	
51		
52	2. Refer page 'DRAWING' for detail of monorail trolley hoist.	
53	3. All hoists shall be provided with an overload protection device. All rotating parts shall be provided with anti-friction bearing type.	
54	4. Trolley design shall be self-aligning with non - sparking materials, anti-friction bearing type, steel-plate construction, ends bumpers at both ends, climb protection for the wheels.	
55	5. Bearing service life shall be indicated	
56	6. Load hook shall be provided with safety Latch and rated for minimum twice the hoist rated capacity	
57	7. Ropes to be of a length to ensure that no less than 4 full wraps on the drum when the hook is at the lowest position.	
58	8. All rotating elements to be provided with isolating mechanism from the dust and frost.	
59	9. 100t and 10t hoisting units are assembled on the same trolley structure	
60	10. Overall weight for 100t and 10t combined trolley hoists (dragchain and machinery room excluded) is 20 500 kg	

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DESIGN-CONSTRUCTION-MATERIALS CONT,		REV
1		
2	MOTIONS	MATERIAL SURFACE TREATMENT
3		
4	Hoisting	Coating specification
5	<input type="checkbox"/> Manual <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Pneumatic	
6	Speed/.. <input checked="" type="checkbox"/> Low : 2 m/min <input checked="" type="checkbox"/> High : 8 m/min	02P
7	Motor Qty : 2	02P
8	<input type="checkbox"/> Variable speed-Hz converter	02P
9	Vertical lifting <input checked="" type="checkbox"/> required <input type="checkbox"/> not required	02P
10	Brake	
11		
12	Trolley travel	
13	<input type="checkbox"/> Manual <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Pneumatic	02P
14	Speed/.. 3 m/min	02P
15	Motor Qty : 2	02P
16		
17	Drive Type : Rack and pinion	02P
18	Wheel Diameter : by VENDOR mm	02P
19		
20	Unit power : 95 kW	02P
21		
22	SAFETY	OTHER DATA
23	<input checked="" type="checkbox"/> All motions fitted with brakes	
24	<input checked="" type="checkbox"/> Load limiter Type: by VENDOR	
25	<input checked="" type="checkbox"/> Weighing	
26	<input type="checkbox"/> Anti-collision device	
27	<input checked="" type="checkbox"/> Operating limit switches	
28	<input checked="" type="checkbox"/> Ultimate limit switches	
29	<input checked="" type="checkbox"/> Anti-derailment device	Mini/maxi load per wheel, when hoist loaded, on rail
30	<input checked="" type="checkbox"/> Anti-tipping device	Vertical without dynamic factor : 74,785 / 94,932 kN
31	<input type="checkbox"/> Horizontal wheels for travel guiding	Vertical with dynamic factor : 65,315 / 85,462 kN
32	<input checked="" type="checkbox"/> All Materials Non Sparking Type	Hor dyn // rail: 4.4 kN
33	<input type="checkbox"/> Anti-swinging device:	
34	<input type="checkbox"/> Travel Bumper Type :	
35	<input type="checkbox"/> Lockage at rest	
36	<input type="checkbox"/> Manual fall of load in case of emergency stop	
37	<input checked="" type="checkbox"/> Safety latch for hook	
38		
39	TESTING REQUIREMENTS	CONSTRUCTION MATERIAL
40	<input checked="" type="checkbox"/> Functional test Required at Shop and Site	Wheels 34CrNiMo6 / 42CrMo4 Rope Steel galvanized wire
41	<input checked="" type="checkbox"/> Over Load test at 125% Maximum Rated Capacity at Shop and Site	Drums S355J2 rope
42	<input checked="" type="checkbox"/> Certification	
43		
44	Notes	
45	1. PROTEA to specify the maximum resulting horizontal dynamic forces of the trolley with maximum vertical load hitting the bumpers.	02P
46	2. Selected material shall be suitable for operation at minus 52°C.	02P
47	3. 100t and 10t hoisting units are assembled on the same trolley structure	02P
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2	MANUFACTURER :
3	LOCATION IN PLANT : 100-HMB-700
4	BEAM LENGTH (m) : 43.8
5	HOIST USE : <input checked="" type="checkbox"/> MAINTENANCE <input type="checkbox"/> PRODUCTION
6	MAXIMUM RATED CAPACITY (t) : 10 HEIGHT OF LIFT (m) : 30
7	MATERIAL HANDLED: by CONTRACTOR
###	
###	SITE AND UTILITY: Note 1
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