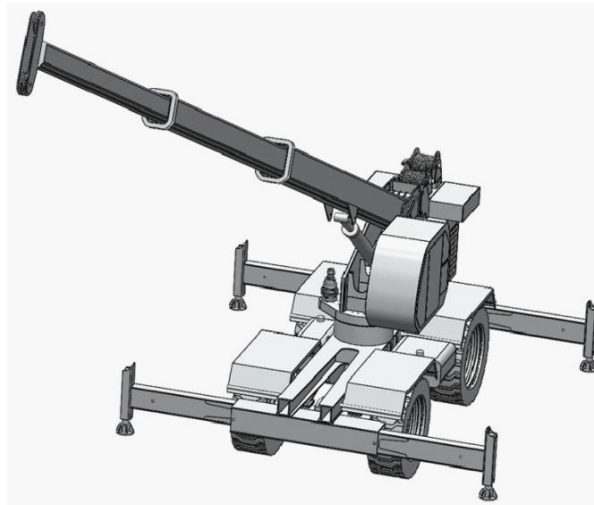


Üretimpark

Rough Terrain Crane



Design Office: Sanayi Mahallesi Teknopark İstanbul / Pendik/İstanbul

Factory : Kesit San Sitesi 2007 Blok No:5 Gebze /Kocaeli

www.uretimpark.com

info@uretimpark.com

1	Name of the Equipment	30 ton Rough Terrain Crane
2	Name and Complete Address of Local Agent	
3	Name and Complete Address of Manufacturer	Uretimpark Engineering
5	Make & Model	Make: Uretimpark
		Model: HB90T3RT
6	Type	Rough Terrain
7	Country of Origin	Turkey
8	Country of Assembly	Turkey
9	Country of Manufacturer	Turkey
10	Year of Production	Maximum 1 Year before the Contract

	<u>Overall Dimension</u>	
11	a. Overall Length	11350 mm
	b. Overall Width	2600 mm
	c..Overall Height	3700 mm
12	Lifting capacity with working radius	25 t @3 m working radius
13	Maximum lifting height (Meters)	32 m with telescopic boom, 42 m with jib boom
14	Gradiability	30 °
15	Turning radius	4,9 m
16	Ground clearance	300 mm
17	Weight of Crane without vehicle	12 ton without vehicle

18

<u>Crane Specification</u>	
a. Boom type	Telescopic box type boom
b. Number of section of boom	Number of section 1 fix + 3 telescopic
c. Fly Jib length	7m+5 m = 12 m
d. Boom derricking angle	0-82°
e. Boom extending time	75 second
f. Boom length retracted	9,5 m
g. Boom length fully extended	32 m
h. Lifting speed with full load	16 m/min
j. <u>Outriggers</u>	
(1) Type	Hydraulic telescopic with control and crane level indicator located in cab
(2) Number	4

18	(3) Extended width	Maximum: 6300 mm Minimum: 2600 mm
	(4) Float size diameter	400 mm
	k. <u>Hook Capacity</u>	
	(1) Main	30 ton
	(2) Auxiliary	6 Ton
	l. <u>Hoisting line speed</u>	
	(1) Main winch	135 m/min
	(2) Auxiliary winch	135 m/min
	m. Boom swing/rotation angle	3600
	n. Boom steering speed	3 rpm
	p. <u>Wire rope for hoisting</u>	
	(1) <u>Main winch</u>	
	(a) Type	Hydraulic motor drive planetary gear box
	(b) Dia	16 mm
	(c) Length	150 m
	(2) <u>Auxiliary Winch</u>	
	(a) Type	Hydraulic motor drive planetary gear box
	(b) Dia	16 mm
	(c) Length	120 m
	q. Hydraulic cooling system	Hydraulic cooling system
	r. Oil Pump	Variable Displacement type pump
	s. Hoisting Motor	Hydraulic axial piston type
	t. Slewing Motor	Hydraulic axial piston type
u. Oil reservoir capacity	420 liters	

18	v. Pulling system	Hydraulic motor works with planetary gear box. Controlled independently by respective operating lever.	
	w. Maximum pulling capacity		
	(1) Main	50 kN	
	(2) Auxiliary	50 kN	
	x. Cab system		
	(1) Operator cabin	All steel fabricated with acoustical lining and tinted safety glass throughout. Deluxe seat incorporates armrest-mounted electric dual – axis controllers. Dash panel incorporates gauges for all engine functions. Tilt steering wheel, hot water heater, cab circulating air fan, air condition sliding side and rear windows, sliding skylight with electric wiper and sunscreen, electric windshield wash / wipe.	
	y. Safety device	Voice alarm	
		Slewing stop system	
		Outrigger detector	
		Boom load holding valve system	
Over hoist prevent system			
Automatic brake all planetary system			
Slewing lock			
	Hydraulic oil temp warning		

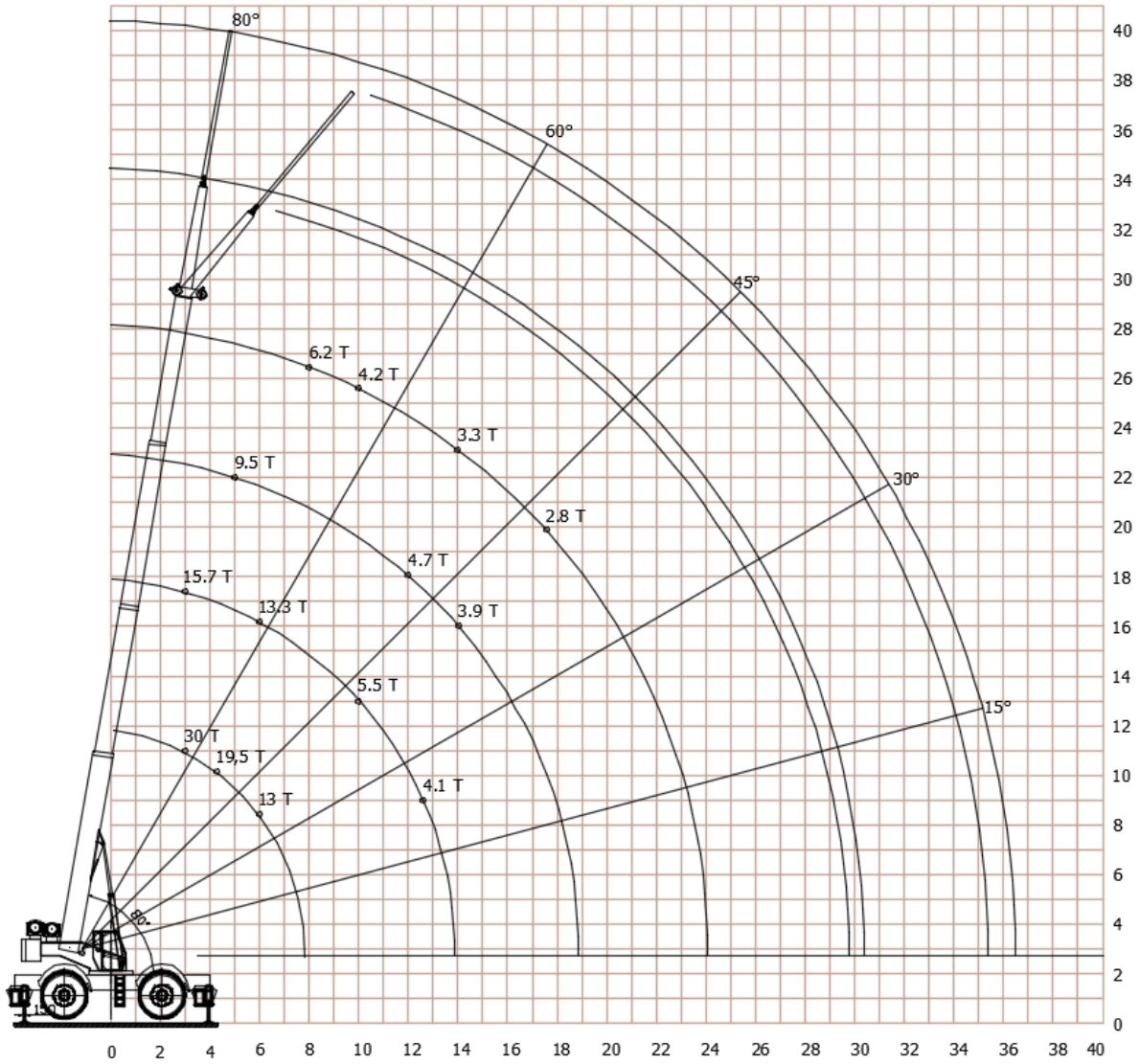
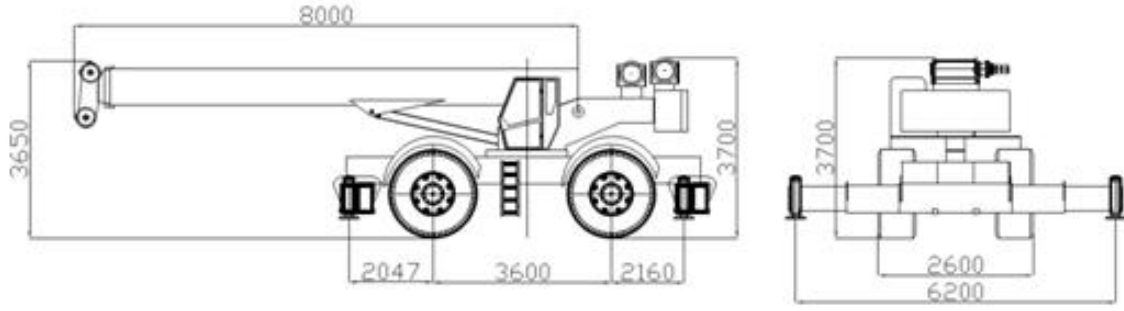
19	<u>Truck</u>		
	a. Make & Model	Make: Üretimpark	
		Model: HB90T3RT	
	b. Country of Origin	Turkey	
	c. Country of Manufacturer	Turkey	
	d. Country of Assembly	Turkey	
	e. Year of production	Maximum 1 year before the contract	
	f. Drive	4x4, RHD	
	g. Overall Dimension (LxHxW) in mm	11350mm x 3700mm x 2600mm	
	h. Wheel base in mm	3600 mm	
	j. Wheel tread front & rear	Fron and rear 2250 mm	
	k. Rear axle load in kg	12500 kg	
	l. Front axle load in kg	12500 kg	
	m. Vehicle kerb weight	25000 kg	
	n. Gross vehicle weight	25000 kg	
	<u>m. Engine Specification</u>		
	& Model	(1) Make	Make: Cummins
			Model: Cummins QSB 6.7L
		(2) Type	06 cylinder, water cooled
	(3) Country of origin	USA	
	(4) Country of Manufacturer		
	(5) Country of Assembly		

19	(1) Year of production	Maximum 1 year before the contract
	(2) Rated HP with rpm to be mentioned	130 kW @ 2500 rpm
	(3) Maximum torque with rpm to be mentioned	732 Nm @1500 rpm
	(4) Number of Cylinder	6
	(10) Bore and stroke in mm	118*115 mm
	(11) Type of Fuel	Diesel
	(12) Cooling system	Water Cooled
	(13) Piston displacement	8 L
	(14) Engine test bench certificate	We will provide Engine test bench certificate during inspection of equipment.
	n. Clutch	
	(1) For Truck	Multi plate Wet clutch
	(2) For Crane	Multi plate wet clutch
	p. Transmission (No of Gear/Type)	6 front 1 rear
	q. Speed	
(1) Minimum on cross country (km/h)	12 kmh	
(2) Traveling speed (km/h) on road	36 km/h	
(3) Mobility at different terrain condition	on loose soil, mud, construction sites, rivers the rough terrain conditon.	

19	r. Axles	
	(1) Front	Rigid and steering drive axle with input reducer
	(2) Rear	Rigid and steering drive axle with input reducer
	(3) Different locks	Not mounted
	s. Steering system	Hydraulic power steering
	t. <u>Suspension</u>	
	(1) Front	Oscilation hydraulic cyclinder system
	(2) Rear	Oscilation hydraulic cyclinder system
	u. <u>Brake System</u>	
	(1) Service brake	Wheel: Pnomatic system drives hydraulic system to Disc brake.
		Winches and other: Spring plate type brake with hydraulic
		Hydraulic and air booster disc brakes on all wheels
	(2) Parking brake	Mechanically operated, internal expanding duo-servo shoe type acting on drum at transmission case rear.
	(3) Auxiliary brake	Torque converter lock-up linked electronic control exhaust brake, with ADS system.
	v. <u>Electrical System</u>	
	(1) Volt	24 Volt
	(2) Battery (Volt & Ah)	2*12 V & 120 AH
	(3) Alternator (Volt & Amp)	24 V & 50 Amp

19	(4) Starter (Volt & Kw)	24 V & 5 Kw
	w. Tyre size	
	(1) No of tyre	4
	(2) Size & Ply rating	20,5*25-24 bias ply
	(3) Tyre Brand	Goodyear
	(4) Tyre Country of Origin	USA
	(5) Type of Pattern	Non-directional, Ground Grip/ Cross country
	(6) Rim Size	25/17 inches

20	Fuel tank capacity	300 L
21	All lights & Gauges	All lights and gauges include head light, Tail, Stop, Indicator, Work, Backup and other standard accessories will be provided
22	Colour	As per tender requirement



Load Diagram for Telescopic Boom Condition1



8,8 - 29,0 m



100%



360°



3,8 t

		Boom Length							
		m	8,8	12,2	15,2	18,3	21,3	24,4	27,4
Outreach Distance	3	30	22	21					
	3,5	25	22	20					
	4	21	21	19,5	17,8				
	4,5	19	20	18,5	16,4	13,4	—	—	—
	5	17	18,5	17,2	15,5	13,1	10,175	—	—
	6	14	14,6	14,8	13,55	12,425	10,175	8,41	—
	7		12,5	12,6	11,9	11,25	9,33	7,87	7,03
	8		10,2	10,1	10,05	10,075	8,4	7,25	6,7
	9		8,8	8,7	8,5	8,3	7,7	6,6	6
	10		7,55	7,4	7,2	7,1	6,9	6,1	5,555
	12			5,96	5,85	5,75	5,4	5,085	4,62
	14				4,58	4,55	4,4	4,295	4,02
	16				3,545	3,45	3,35	3,15	3,05
	18					2,8	2,7	2,6	2,5
	20						2,2	2,1	2
	22							1,75	1,65
24								1,45	1,4
26									1,16

Load Diagram for Telescopic Boom Condition2



8,8 - 29,0 m



50%



360°



3,8 t

		Boom Length							
		8,8	12,2	15,2	18,3	21,3	24,4	27,4	29
Outreach Distance	m	8,8	12,2	15,2	18,3	21,3	24,4	27,4	29
	3	27,2	21,75	20,4	—	—	—	—	—
	3,5	25,075	21,75	20,375	—	—	—	—	—
	4	22,35	21,025	19,525	16,775	—	—	—	—
	4,5	18,725	18,6	17,825	16,35	12,425	—	—	—
	5	15,125	15,025	15	14,525	12,425	9,525	—	—
	6	10,725	10,65	10,5	10,4	10,1	9,5	7,7	—
	7	—	8	7,85	7,8	7,6	7,5	7,3	7,03
	8	—	6,3	6,2	6,1	5,9	5,8	5,7	5,6
	9	—	5,25	5,235	5,2	5,1	5,05	4,95	4,8
	10	—	4,6	4,5	4,42	4,3	4,2	4,1	4,05
	12	—	—	3,3	3,28	3,25	3,21	3,18	3,1
	14	—	—	—	2,43	2,41	2,35	2,3	2,2
	16	—	—	—	1,7	1,65	1,6	1,58	1,55
	18	—	—	—	—	1,28	1,27	1,25	1,22
	20	—	—	—	—	—	0,9	0,895	0,8
22	—	—	—	—	—	0,6	0,58	0,55	

Load Diagram for Telescopic Boom Condition3



8,8 - 29,0 m



0%



360°



3,8 t

		Boom Length							
		8,8	12,2	15,2	18,3	21,3	24,4	27,4	29
Outreach Distance	m								
	3	16,1	15	14					
	3,5	12,2	12,1	11,5					
	4	9,75	9,6	9,45	9,3				
	4,5	8	7,89	7,85	7,8	7,65			
	5	6,7	6,6	6,5	6,4	6,35	6,2		
	6	4,9	4,845	4,8	4,78	4,7	4,6	4,55	
	7		3,86	3,76	3,71	3,65	3,6	3,55	3,4
	8		3,15	3,1	2,96	2,8	2,75	2,65	2,6
	9		2,55	2,5	2,35	2,3	2,22	2,15	2,1
	10		2	1,95	1,9	1,82	1,75	1,65	1,6
	12			1,3	1,2	1,15	1,1	1,05	1
14				0,75	0,7	0,65	0,6	0,55	

Load Diagram for Jib Boom Condition1



8,8 - 29,0 m



7,9 - 13,7 m



100%



360°



3,8 t

Radius	7,9 m		13,7 m	
	0°	30°	0°	30°
9	3,60355			
10	3,60355		2,3562	
12	3,60355	2,5152	2,3562	
14	3,50655	2,4816	2,18295	
16	3,0167	2,1984	1,9503	1,09915
18	2,5511	1,9056	1,76715	1,09915
20	2,0855	1,6656	1,66815	1,0947
22	1,746	1,4784	1,58895	1,02795
24	1,42105	1,3296	1,48005	0,9968
26	1,0961	1,2	1,36125	0,97455
28	0,83905	0,9744	1,21275	0,9612
30	0,6402	0,7392	0,99	0,93895
32			0,7821	0,80545
34			0,6039	0,5963

Load Diagram for Jib Boom Condition2



8,8 - 29,0 m



7,9 - 13,7 m



50%



360°



3,8 t

Radius				
	0°	30°	0°	30°
in m				
9,0	3,5	—	—	—
10,0	3,5	—	2,2	—
12,0	3,1	2,5	2,2	—
14,0	2,3	2,5	2,1	—
16,0	1,7	2,1	1,9	1,2
18,0	1,3	1,6	1,5	1,2
20,0	0,9	1,1	1,2	1,2
22,0	0,6	0,8	0,9	1,1
24,0	—	0,5	0,6	1,1
26,0	—	—	0,5	0,8
28,0	—	—	—	0,5