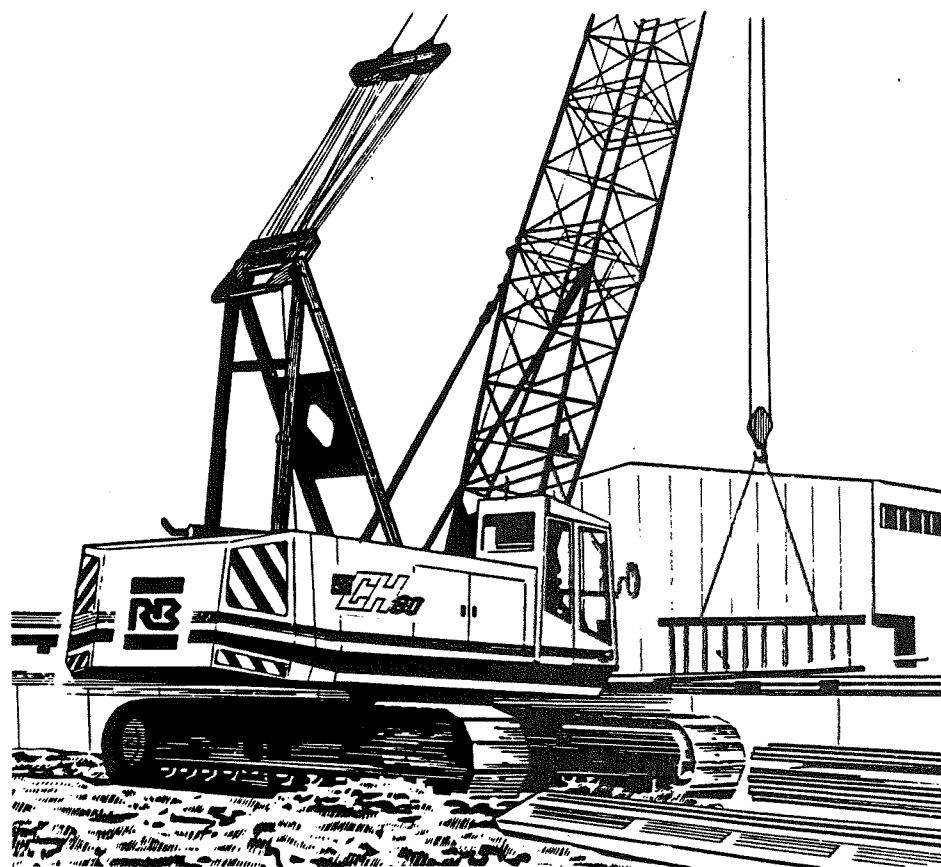


the most advanced hydraulic crane available



**72.58 Tonne
capacity at 3.66m**

**54m pin-jointed
main boom**

**24m pin-jointed
fly jib**

**Load sensing
hydraulics**

**3.64m transport
width**



De Luxe Operators Cab and Controls

The operator is housed in a command centre insulated against noise and vibration. The seat harmonises with the servo hydraulic joystick controls. Standard equipment includes a stereo radio cassette sound system.



Tandem Drums

Large capacity tandem drums are independently driven by radial piston motors.



Heavy Duty Clutches and Brakes

Each drum is equipped with a hydraulically set clutch. Brakes are externally contracting, spring set hydraulically released. Key switches are provided to select free fall and clamshell operation modes.



Load Sensing Hydraulics

Pumps are variable displacement with load sensing control, which automatically power matches the power available to the load. This system ensures optimum fuel economy and ultra fine load control.



Boom Hoist

The Boom hoist unit is fully independent and the drum is driven in each direction by a bent axis motor and multi stage planetary gear reduction.

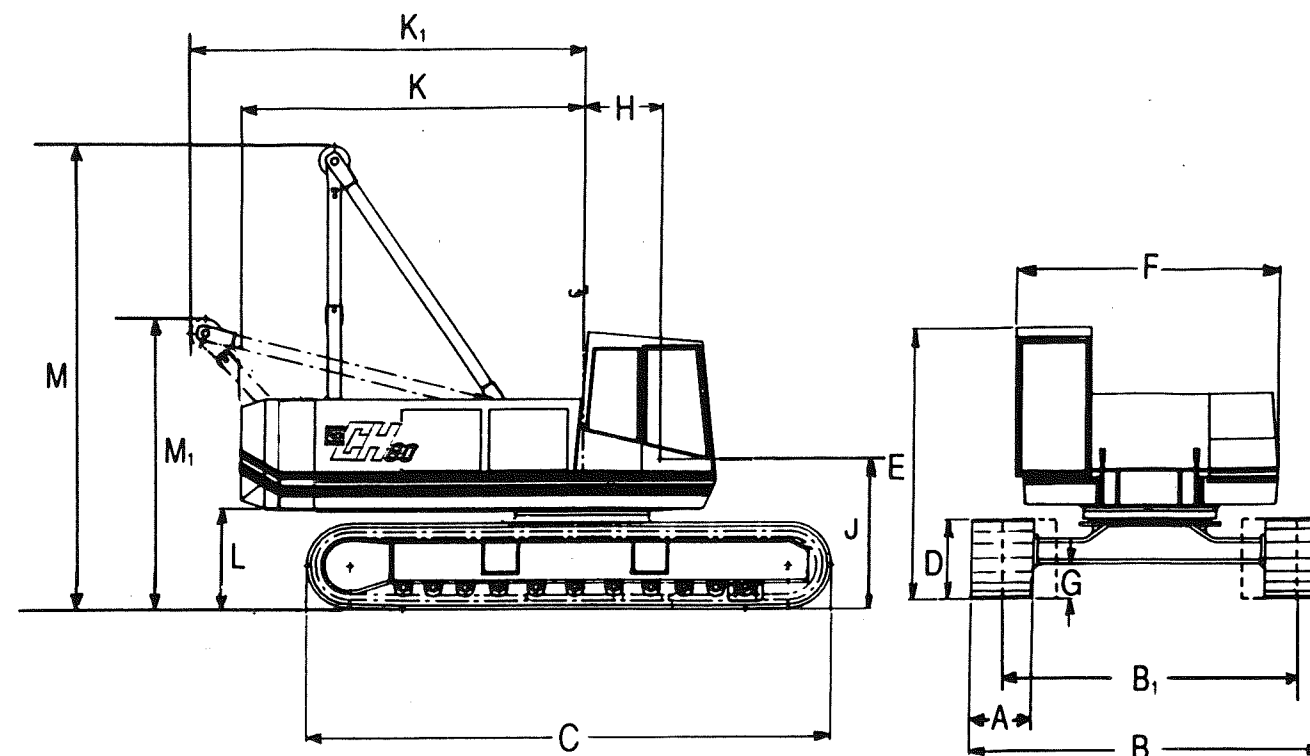
The drum is equipped with a spring set hydraulically released brake and sprag clutch, ensuring safe and precise control of the boom. The rope drum is equipped with a locking pawl. Rear A frame is self erecting.



Long and Wide Crawlers

The extra long and wide crawlers are of the tractor type and are completely maintenance free. The all welded truck frame, integral axles and side frames provide immense strength coupled with exceptional stability for high lift capacity at long radii. Each crawler is driven by a bent axis motor and multi stage gear box, steering and pivot turns are controlled by a single lever. Crawler extension/retraction is powered by electro hydraulics.

Machine Dimensions



A Width of track links
B Width of tracks extended
B₁ Width of tracks retracted
C Length of tracks
D Height of tracks
E Height of operator's cab
F Width of cab
G Clearance under machine

H Boom foot pin from centre of rotation
J Height of boom foot pin
K Radius of rear end
K₁ Radius over folded A frame
M Height over A frame
M₁ Height over folded A frame
L Clearance under rev. frame

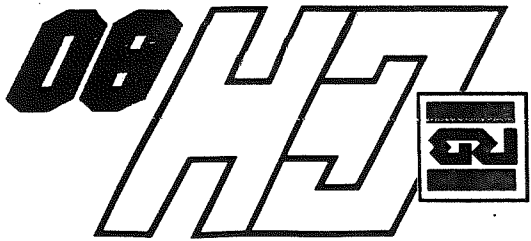
A-750	B-4590	B ₁ -3646	C-6340	D-1092	*E-3456	F-3195	G-469
H-940	J-1874	K ₁ - 5046	K-4158	L-1249	M-5656	M ₁ -3463	

*With cab roof guard removed

Machine Weights Weights are given with Basic Boom only (No hook)

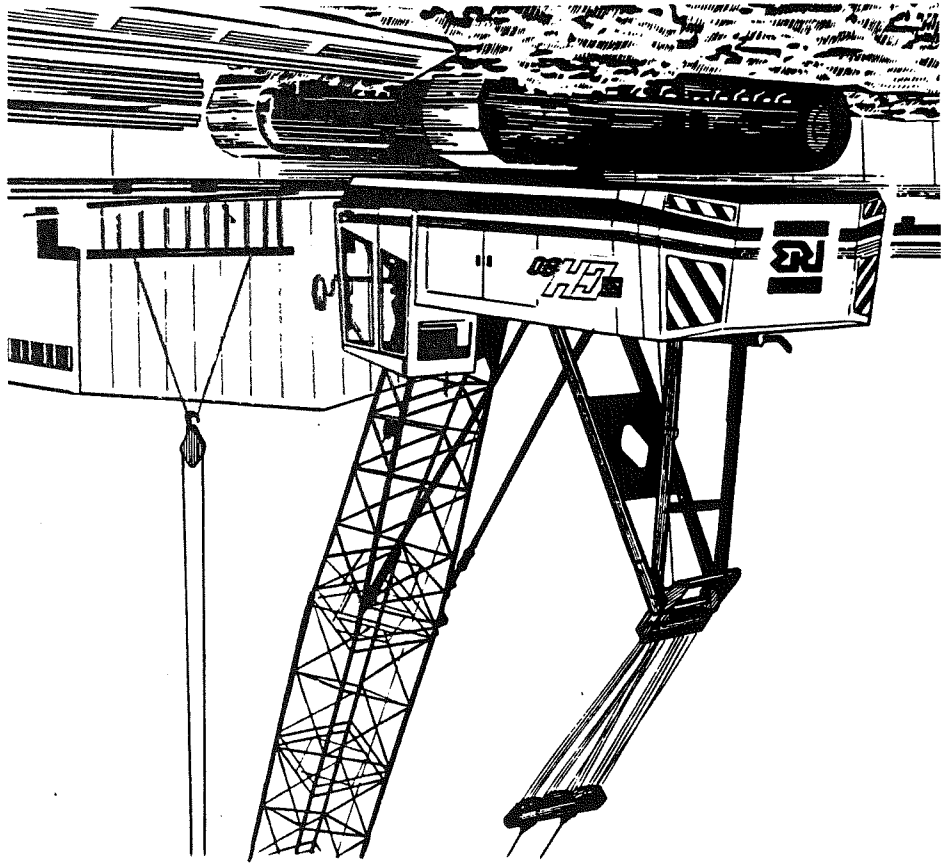
Machine	Working weight (t)	Counterweight (t)
Lift Crane Dragline	63.0	19.4
Clamshell	62.6	19.4

Ground Bearing Pressure	0.74 kg / sq.cm
Swing Speed	0 - 2.9 rpm
Propel Speed	0 - 1.5 / 2.47 kph



the most advanced hydraulic crane available

72.58 Tonne
capacity at 3.66m
54m pin-jointed
main boom
24m pin-jointed
fly jib
Load sensing
hydraulics
3.64m transport
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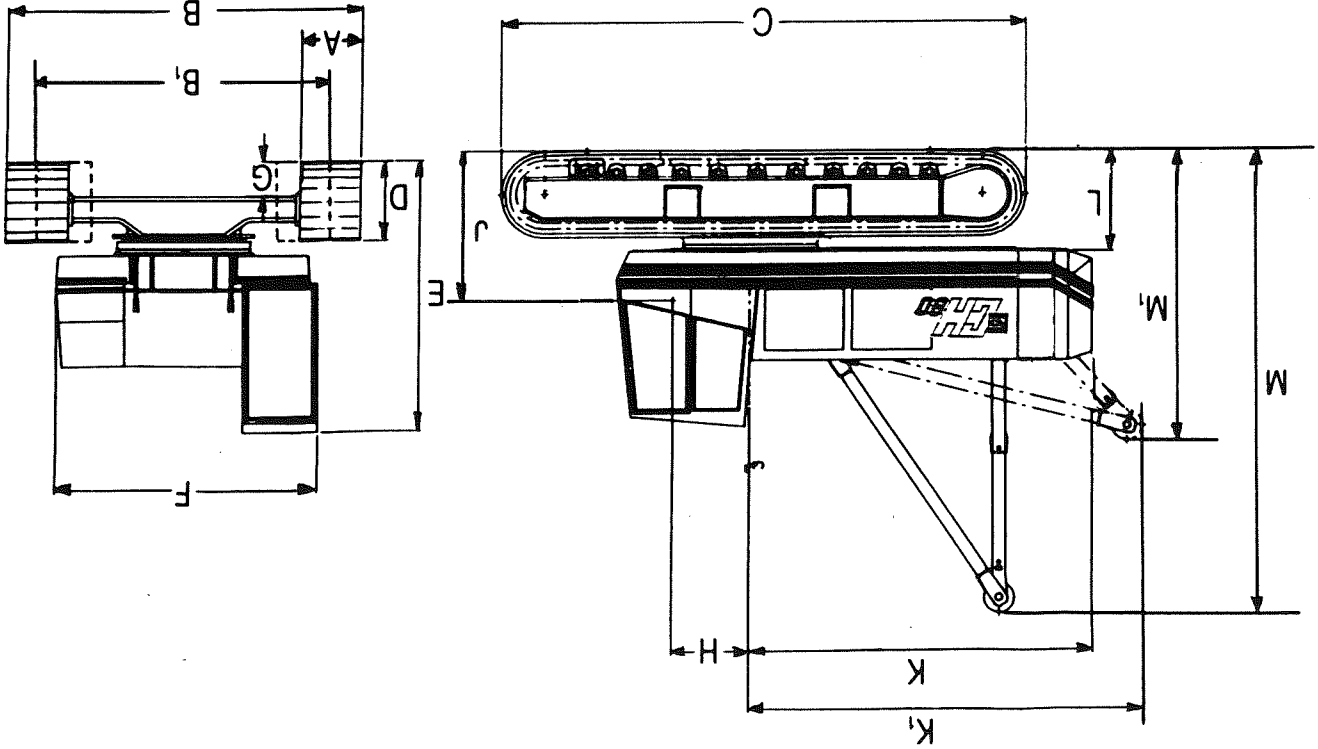
The drum is equipped with a spring set hydraulically released brake and sprag clutch, ensuring safe and precise control of the boom. The rope drum is equipped with a locking pawl. Rear A frame is self erecting.



Long and Wide Crawlers

The extra long and wide crawlers are of the tractor type and are completely maintenance free. The all welded truck frame, integral axles and side frames provide immense strength coupled with exceptional stability for high lift capacity at long radii. Each crawler is driven by a bent axis motor and multi stage gear box, steering and pivot turns are controlled by a single lever. Crawler extension/retraction is powered by electro hydraulics.

Machine Dimensions



- A Width of track links
- B Width of tracks extended
- B₁ Width of tracks retracted
- C Length of tracks
- D Height of tracks
- E Height of operator's cab
- F Width of cab
- G Clearance under machine
- H Boom foot pin from centre of rotation
- J Height of boom foot pin
- K Radius of rear end
- K₁ Radius over folded A frame
- M Height over A frame
- M₁ Height over folded A frame
- L Clearance under rev. frame

A-750	B-4590	B ₁ -3646	C-6340	D-1092	*E-3456	F-3195	G-469
H-940	J-1874	K ₁ -5046	K-4158	L-1249	M-5656	M ₁ -3463	

*With cab roof guard removed

Machine Weights Weights are given with Basic Boom only (No hook)

Machine	Working weight (t)	Counterweight (t)
Lift Crane Dragline	63.0	19.4
Clamshell	62.6	19.4

Ground Bearing Pressure	0.74 kg / sq.cm
Swing Speed	0 - 2.9 rpm
Propel Speed	0 - 1.5 / 2.47 kph



Power Unit - Standard

Make and Model	Cummins 6BTA 5.9C Elite
Type	6 cyl. Water cooled
Engine kW (hp)	126(169)
Engine speed	2,100

Optional

Make and Model	Cummins 6CTA 8.3C
Type	6 cyl. Water cooled
Engine kW (hp)	179(240)
Engine speed	2,100

Fuel tank capacity (litres)	300
Hydraulic tank capacity (litres)	250



Drum Data - Rope Pulls and Speeds

Drums	Pitch dia.	Rope dia.	Rope Pull (t)	Line speed
Main hoist	480mm	22mm	14.5 *	0 -70mpm
Fly Jib hoist	480mm	22mm	14.5 *	0 -70mpm
Optional Main & Fly	480mm	24mm	14.5 *	0 -70mpm
Boom Hoist	340mm	16mm	-	67 mpm

* Bottom layer Max. running line pull

Max. available loads for Main Hoist Reeving

Hoist Rope	1 part	2 part	3 part	4 part	5 part	6 part	7 part	8 part	9 part	10 part
Load T	7.26	14.52	21.78	29.04	36.3	43.56	50.82	58.68	65.34	72.58



Service Notes

Published Ratings

The main boom working loads given for each machine are for the machine standing on firm level ground. Loads must be freely suspended. The radii specified are loaded radii and the working loads listed are for booms without fly jibs. Published ratings are with maximum counterweight and include blocks, hooks, slings and other equipment used in handling loads. Proper care must be exercised by the operator at all times to avoid shock or side loadings on the boom (and jib when fitted) which might hazard crane stability, particularly when operating with long boom at low angles

British Standards

The published ratings for lift cranes are with maximum counterweight fitted and are based on BSS recommendations and do not exceed BS 1757, 1986. Class A1. ISO 4305 1981 DIN 15019 Part 2.

U.S. Rating Factors

The published ratings do not exceed 75% of the tipping load. Ratings apply only to machines having booms in first class condition, built and recommended by R-B International. The machines should not be operated outside the range of published ratings, appropriate to the service and the equipment fitted.

Hook Blocks

The weight of the hook block in use, together with any slings or other lifting tackle, must be deducted from the published ratings to arrive at the actual (net) load lifting capacity for any boom length and radius.

Hook Block weights (kg) 70t = 1200 45 = 675 30 = 500 18t = 300 6.5t = 120

Lifting Capacities on Main Boom

GIEK- LENGTE	VLUCHT	GIEK- HOEK	TOPSCHIJF ASHOOGTE	KAPACITEIT
METER	METER	GRADEN	METER	TON
12 HYSdraad 10 X INGESCHOREN	3.66	79.0	13.47	72.58
	3.96	77.5	13.39	65.00
	4.27	76.0	13.31	65.00
	4.57	74.5	13.22	58.24
	4.88	73.0	13.12	51.93
	5.18	71.4	13.00	46.83
	5.49	69.9	12.88	42.62
	5.79	68.3	12.76	39.09
	6.10	66.7	12.62	36.07
	7.62	58.3	11.75	25.90
	9.14	49.0	10.54	20.04
	10.67	38.0	8.81	16.21
15 HYSdraad 9 X INGESCHOREN	11.58	29.7	7.33	14.49
	3.96	80.0	16.47	58.02
	4.27	78.9	16.40	58.02
	4.57	77.7	16.33	52.50
	4.88	76.5	16.25	51.98
	5.18	75.3	16.16	46.87
	5.49	74.0	16.07	42.66
	5.79	72.8	15.97	39.11
	6.10	71.6	15.86	36.10
	7.62	65.2	15.21	25.91
	9.14	58.5	14.33	20.06
	10.67	51.3	13.19	16.26
18 HYSdraad 8 X INGESCHOREN	12.19	43.1	11.70	13.58
	14.33	28.6	8.55	10.92
	4.57	79.8	19.41	48.00
	4.88	78.8	19.34	44.20
	5.18	77.8	19.27	44.20
	5.49	76.8	19.19	42.67
	5.79	75.8	19.11	39.12
	6.10	74.8	19.02	36.10
	7.62	69.6	18.49	25.91
	9.14	64.3	17.80	20.07
	10.67	58.7	16.92	16.27
	12.19	52.7	15.83	13.60
21 HYSdraad 7 X INGESCHOREN	15.24	38.8	12.71	10.09
	16.76	29.9	10.36	8.87
	5.18	79.6	22.34	41.00
	5.49	78.7	22.28	35.10
	5.79	77.8	22.21	35.10
	6.10	77.0	22.13	35.10
	7.62	72.7	21.68	25.86
	9.14	68.2	21.11	20.01
	10.67	63.6	20.39	16.21
	12.19	58.8	19.51	13.54
	15.24	48.3	17.15	10.04
	18.29	35.5	13.61	7.83
24 HYSdraad 6 X INGESCHOREN	19.81	27.2	10.99	7.01
	5.79	79.4	25.28	35.00
	6.10	78.6	25.21	33.10
	7.62	74.9	24.83	25.84
	9.14	71.1	24.33	19.98
	10.67	67.1	23.71	16.17
	12.19	63.1	22.97	13.50
	15.24	54.5	21.05	10.01
	18.29	44.8	18.36	7.81
	21.34	32.9	14.43	6.30
	22.86	25.1	11.55	5.71
27 HYSdraad 5 X INGESCHOREN	6.10	79.9	28.28	30.00
	7.62	76.6	27.93	25.80
	9.14	73.2	27.50	19.92
	10.67	69.8	26.96	16.11
	12.19	66.3	26.32	13.44
	15.24	59.0	24.68	9.93
	18.29	51.0	22.46	7.73
	21.34	41.9	19.47	6.23
	24.38	30.7	15.17	5.13
	6.71	79.8	31.21	27.00
	7.62	78.0	31.02	25.73
	9.14	75.0	30.63	19.84
30 HYSdraad 5 X INGESCHOREN	10.67	71.9	30.15	16.03
	12.19	68.8	29.58	13.36
	15.24	62.4	28.15	9.88
	18.29	55.5	26.25	7.66
	21.34	48.0	23.77	6.16
	24.38	39.5	20.49	5.06
	27.43	28.8	15.85	4.23

GIEK- LENGTE	VLUCHT	GIEK- HOEK	TOPSCHIJF ASHOOGTE	KAPACITEIT
METER	METER	GRADEN	METER	TON
33 HYSdraad 4 X INGESCHOREN	7.32	79.6	34.15	24.00
	9.14	76.4	33.74	19.82
	10.67	73.6	33.31	16.00
	12.19	70.8	32.80	13.32
	15.24	65.1	31.51	9.82
	18.29	59.1	29.85	7.62
	21.34	52.6	27.72	6.11
	24.38	45.5	25.00	5.02
	27.43	37.4	21.45	4.18
	30.48	27.2	16.49	3.52
	7.92	79.5	37.09	21.50
	9.14	77.5	36.83	19.72
36 HYSdraad 4 X INGESCHOREN	10.67	75.0	36.43	15.89
	12.19	72.5	35.97	13.21
	15.24	67.3	34.81	9.70
	18.29	61.9	33.32	7.50
	21.34	56.2	31.44	5.99
	24.38	50.1	29.09	4.89
	27.43	43.3	26.15	4.06
	30.48	35.6	22.35	3.41
	33.53	25.9	17.07	2.88
	8.53	79.4	40.03	18.30
	10.67	76.2	39.54	15.88
	12.19	73.9	39.11	13.20
39 HYSdraad 3 X INGESCHOREN	15.24	69.1	38.06	9.68
	18.29	64.2	36.70	7.48
	21.34	59.1	35.02	5.96
	24.38	53.7	32.94	4.87
	27.43	47.9	30.39	4.03
	30.48	41.4	27.24	3.37
	33.53	34.0	23.20	2.84
	35.05	29.6	20.68	2.61
	9.14	79.3	42.96	17.00
	10.67	77.2	42.63	15.80
	12.19	75.1	42.24	13.11
	15.24	70.7	41.26	9.58
42 HYSdraad 3 X INGESCHOREN	18.29	66.2	40.02	7.36
	21.34	61.5	38.49	5.87
	24.38	56.7	36.62	4.77
	27.43	51.5	34.36	3.94
	30.48	45.0	31.63	3.28
	33.53	39.7	28.27	2.75
	36.58	32.6	24.00	2.31
	10.06	78.9	45.84	15.00
	12.19	76.1	45.34	12.50
	15.24	72.0	44.44	9.47
	18.29	67.9	43.29	7.26
	21.34	63.6	41.89	5.75
45 HYSdraad 3 X INGESCHOREN	24.38	59.2	40.18	4.64
	27.43	54.5	38.14	3.81
	30.48	49.5	35.72	3.15
	33.53	44.2	32.81	2.63
	36.58	38.2	29.25	2.19
	11.28	78.1	48.65	12.60
	12.19	77.0	48.44	11.50
	15.24	73.2	47.59	9.47
	18.29	69.3	46.53	7.25
	21.34	65.4	45.22	5.74
	24.38	61.3	43.66	4.63
	27.43	57.0	41.80	3.79
48 HYSdraad 2 X INGESCHOREN	30.48	52.5	39.61	3.13
	33.53	47.8	37.01	2.60
	36.58	42.6	33.93	2.16
	12.19	77.7	51.51	11.50
	15.24	74.2	50.72	9.38
	18.29	70.6	49.73	7.16
	21.34	66.9	48.52	5.64
	24.38	63.1	47.06	4.54
	27.43	59.2	45.35	3.70
	30.48	55.1	43.35	3.04
	33.53	50.8	41.00	2.50
	36.58	46.2	38.26	2.07
51 HYSdraad 2 X INGESCHOREN	13.72	78.8	54.24	9.50
	15.24	75.1	53.84	7.80
	18.29	71.7	52.91	7.04
	21.34	68.3	51.77	5.52
	24.38	64.7	50.42	4.42
	27.43	61.1	48.83	3.58
	30.48	57.3	46.98	2.92
	33.53	53.3	44.83	2.38
	36.58	49.2	42.34	1.94



Make and Model	Cummins 6CTA 8.3C
Type	6 cyl. Water cooled
Engine kW (hp)	179(240)
Engine speed	2,100

Drum Data - Rope Pulls and Speeds

Hoist Rope	1 part	2 part	3 part	4 part	5 part	6 part	7 part	8 part	9 part	10 part
Load T	7.26	14.52	21.78	29.04	36.3	43.56	50.82	58.68	65.34	72.58

Bottom layer Max. running line pull

Hoist Rope	1 part	2 part	3 part	4 part	5 part	6 part	7 part	8 part	9 part	10 part
Load T	7.26	14.52	21.78	29.04	36.3	43.56	50.82	58.68	65.34	72.58

The main boom working loads given for each machine are for the machine standing on firm level ground. Loads must be freely suspended. The rated load specified for each machine is listed as for boom work without fly jibs. Published ratings are with maximum counterweight and include blocks, hooks, slings and all other equipment used in handling loads. Proper care must be exercised by the operator at all times to avoid shock or side loadings on the boom (and if when fitted) which might hazard crane stability, particularly when operating with long boom at low angles.

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The published ratings do not exceed 75% of the tipping load. Ratings apply only to machines having booms in first class condition, built and recommended by R-B International. The machines should not be operated outside the range of published ratings, appropriate to the service and the equipment fitted.

The weight of the hook block in use, together with any slings or other lifting tackle, must be deducted from the published ratings to arrive at the actual (net) load lifting capacity for any boom length and radius.

181 = 300
6.51 = 120

Lifting Capacities on Main Boom

Lifting Capacities on Main Boom

Bucket Service Ratings

Dragline

Boom Length (m)	Radius (m)	Rated Load kg (75%)
15M	11.2	5400
	13.0	5400
	14.4	5400
18M	13.2	5400
	15.3	5400
	17.0	5400
21M	15.0	5400
	17.5	5400
	19.9	4800
24M	16.9	4700
	20.0	4700
	22.2	4000

Buckets

Capacity		Weight Empty		Material Density	Application
m ³	yd ³	kg	lb	t/m ³	
.96	1¼	1040	2300	2.0	Heavy
1.15	1½	1315	2900	1.8	Medium - Heavy
1.35	1¾	1419	3300	1.6	Medium
1.53	2	1925	4250	1.4	Light

Clamshell

Boom Length (m)	Radius (m)	Rated Load kg	
		BSS 1757 (1986)	US Rating factors
15M	9.1	5400	5400
	11.2	5400	5400
	13.0	5400	5400
18M	10.6	5400	5400
	13.2	5400	5400
	15.3	5400	5400
21M	12.0	5400	5400
	15.0	5400	5400
	17.5	5400	5400
24M	13.5	4700	4700
	16.9	4700	4700
	19.9	4700	4700

Bucket Service Notes

Dragline Service Published ratings listed are for the machine standing on firm level ground with the boom in the least favourable position. Working loads do not exceed 75% of the tipping load. Loads should be reduced when working in soft or uneven ground, for bucket suction, or unfavourable operating conditions.

Clamshell Service Published ratings listed are for the machine standing on firm level ground with the boom in the least favourable position

British Standards. The published ratings are based on BS 1757 1986 class A3, and do not exceed 80% of the lifting crane safe working load, at the same load radius.

Export Ratings. The published ratings do not exceed 68% of the tipping load.

Options

- Safe load indicator
- Fly Jibs
- Whip Line Extension
- Cab Protection Cover
- Drum Rotation indicator
- 800mm Track Links
- Air Conditioning
- Hook blocks
- Special Painting
- Flashing Beacon
- 3rd Drum
- Boom Lights
- Low cab / A Frame