

GENERAL INFORMATION ONLY

**LINK-BELT
SPEEDER**

Clearances-Specifications-

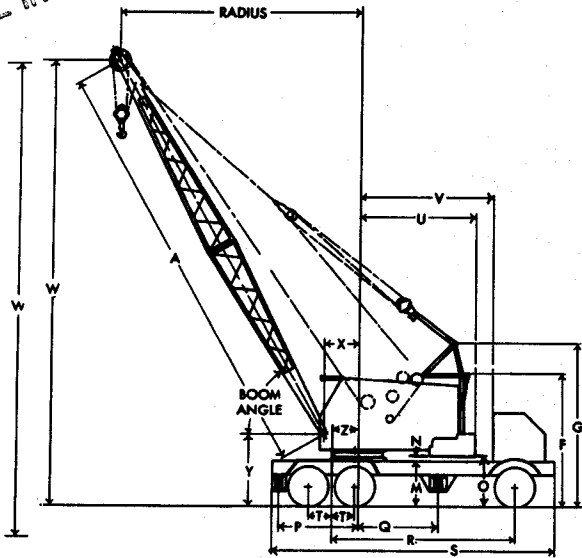
Working Ranges HC-108 Zephyrcrane

RECOMMENDED FOR LIFTING CRANE SERVICE ONLY ONLY

SUPERSEDES FLYSHEET CRF 5008-7-56A

* Indicates Revisions or Additions to Flysheet Dated 7-56.

(CAPACITIES WITH LOW GANTRY^①)



*The following lifting capacities are to be used with the optional 4 axle carrier also.

GENERAL DIMENSIONS

Basic Boom Length	A	40'
Over-all Height, Retractable Gantry Lowered	F	12' 10"
Over-all Height, Retractable Gantry Raised	G	15' 9"
Over-all Height, Low Gantry		12' 8"
Over-all Height, Top of Ring Gear Plate	M	4' 8"
Clearance Between Truck and Counterweight "A"	N	3"
Ground Clearance under Counterweight "A"	O	4' 11"
Center Line Rotation to Rear Outrigger Center	P	9' 0"
Center Line Rotation to Front Outrigger Center	Q	9' 0"
Truck Wheelbase	R	18' 4"
Over-all Length of Truck	S	28' 3"
Center Rear Axles to Center Rear Wheels	T	2' 6"
Tailswing (Counterweight "A")	U	10' 10"
Center Line Rotation to Back of Truck Cab	V	12' 10"
Radius of Boom Hinge Pin	X	3' 2"
Height of Boom Hinge Pin	Y	7' 0"
Center Line Rotation to Center Rear Axles	Z	3' 6"
Over-all Width over Tires		10' 3"
Over-all Width with Outriggers Extended		14' 6"

LIFTING CAPACITIES WITH COUNTERWEIGHT "A" AND LOW GANTRY^①

R	40' BOOM					45' BOOM					R
	B	W	With Outriggers Side or Rear	Without Outriggers		B	W	With Outriggers Side or Rear	Without Outriggers		
				Side	Rear				Side	Rear	
10	80°	46' 5"	70,000	48,000	60,000	79°	51' 2"	59,800	39,300	49,800	10
12	77°	46' 0"	60,000	39,500	50,000	75°	50' 5"	49,800	29,000	41,500	12
15	73°	45' 2"	50,000	29,200	41,700	68°	48' 9"	35,200	19,800	28,200	15
20	65°	43' 4"	35,400	20,000	28,400	61°	46' 5"	27,600	14,800	21,200	20
25	57°	40' 7"	27,800	15,000	21,400	53°	43' 2"	22,800	11,700	16,800	25
30	48°	36' 8"	23,000	11,900	17,000	45°	38' 9"	17,800	9,500	13,800	30
35	37°	31' 4"	18,000	9,700	14,000	35°	32' 11"	13,000	7,900	11,600	35
40	23°	22' 8"	13,200	8,100	11,800	21°	23' 6"	10,700	6,700	9,900	40
45											45

R	50' BOOM					60' BOOM					R
	B	W	With Outriggers Side or Rear	Without Outriggers		B	W	With Outriggers Side or Rear	Without Outriggers		
				Side	Rear				Side	Rear	
12	80°	56' 3"	59,700	39,200	49,700	79°	65' 10"	49,400	28,600	41,100	12
15	76°	55' 7"	49,700	28,900	41,400	74°	64' 7"	34,800	19,400	27,800	15
20	70°	54' 1"	35,100	19,700	28,100	69°	62' 11"	27,200	14,400	20,800	20
25	64°	52' 0"	27,500	14,700	21,100	63°	60' 8"	22,400	11,300	16,400	25
30	57°	49' 3"	22,700	11,600	16,700	58°	57' 10"	17,400	9,100	13,400	30
35	50°	45' 7"	17,700	9,400	13,700	52°	54' 5"	12,600	7,500	11,200	35
40	43°	40' 10"	12,900	7,800	11,500	46°	50' 0"	10,300	6,300	9,500	40
45	33°	34' 6"	10,600	6,600	9,800	39°	44' 8"	8,800	5,400	8,200	45
50	21°	24' 7"	9,100	5,700	8,500	19°	26' 3"	6,600	4,000	6,300	50
60											60

R—Radius in feet.

B—Boom angle in degrees.

W—Ground to centerline boom head shaft.

Lifting capacities shown are not more than 85% of minimum tipping loads with the machine standing on firm level ground. Allowances must be made on the above lifting capacities if the rear outrigger box is removed.

①The low gantry is available at a reduction in price for booms up to and including 60 feet.

BRIEF SPECIFICATIONS

STANDARD CARRIER

* Heavy-duty all-welded frame, 14:00x20, 18-ply tires. Dual tires on tandem axle; single tires on front axle. 6x4 drive and 6-wheel air brakes. 12 speeds forward; 3 speeds reverse. Road speeds up to 24 m.p.h. Standard Waukesha 145GKB engine stripped develops 240 maximum brake horsepower at 2400 r.p.m. Turning radius 45'0".

* Optional Carrier—Heavy-duty all-welded frame, 4 axle, 8x4 drive, twelve 14:00x20, 18-ply tires, 8 wheel brakes, Waukesha 145GKB engine.

CRF5008-1-588

LIFTING CRANE

Approximate working weight with 40' boom, high gantry, counterweight "A", no hook block—Standard Carrier -----83,700 lbs.
-----Optional 4-axle Carrier -----86,100 lbs.

Front or rear drum single line pulls and speeds:
13/4" lagging (standard)—21,200 lbs. @ -----139 f.p.m.
15/4" lagging (optional)—18,500 lbs. @ -----159 f.p.m.

Swing speed -----3.9 r.p.m.

PRINTED IN U.S.A.

Lifting Capacities HC-108 Zephyrcrane

RECOMMENDED FOR LIFTING CRANE SERVICE ONLY

(CAPACITIES WITH RETRACTABLE HIGH GANTRY)

LIFTING CAPACITIES WITH COUNTERWEIGHT "A" AND RETRACTABLE HIGH GANTRY ①																			
40' BOOM						45' BOOM						50' BOOM							
R	B	W	With Outriggers		Without Outriggers		B	W	With Outriggers		Without Outriggers		B	W	With Outriggers		Without Outriggers		R
			Side or Rear	Side	Rear	Side or Rear			Side	Rear	Side or Rear	Side			Rear	Side or Rear	Side	Rear	
10	80°	46' 5"	70,000	48,500	60,000														10
12	77°	46' 0"	60,000	40,500	50,000	79°	51' 2"	59,800	40,300	49,800			80°	56' 3"	59,700	40,200	49,700		12
15	73°	45' 2"	52,000	29,900	42,400	75°	50' 5"	51,800	29,700	42,200			76°	55' 7"	51,700	29,600	42,100		15
20	65°	43' 4"	35,400	20,600	29,000	68°	48' 9"	35,200	20,400	28,800			70°	54' 1"	35,100	20,300	28,700		20
25	57°	40' 7"	27,800	15,500	21,800	61°	46' 5"	27,600	15,300	21,600			64°	52' 0"	27,500	15,200	21,500		25
30	48°	36' 8"	23,300	12,300	17,400	53°	43' 2"	23,100	12,100	17,200			57°	49' 3"	23,000	12,000	17,100		30
35	37°	31' 4"	20,400	10,100	14,300	45°	38' 9"	20,200	9,900	14,100			50°	45' 7"	20,100	9,800	14,000		35
40	23°	22' 8"	18,300	8,500	12,200	35°	32' 11"	18,100	8,300	12,000			43°	40' 10"	18,000	8,200	11,900		40
45						21°	23' 6"	15,700	7,100	10,200			33°	34' 6"	15,600	6,900	10,100		45
50													21°	24' 7"	13,500	6,000	8,800		50

55' BOOM						60' BOOM						70' BOOM							
R	B	W	With Outriggers		Without Outriggers		B	W	With Outriggers		Without Outriggers		B	W	With Outriggers		Without Outriggers		R
			Side or Rear	Side	Rear	Side or Rear			Side	Rear	Side or Rear	Side			Rear	Side or Rear	Side	Rear	
12	81°	61' 4"	59,500	40,000	49,500														12
15	78°	60' 10"	51,500	29,400	41,900	79°	65' 10"	51,400	29,300	41,800			80°	76' 0"	51,100	29,000	41,500		15
20	72°	59' 4"	34,900	20,100	28,500	74°	64' 7"	34,800	20,000	28,400			76°	75' 0"	34,500	19,700	28,100		20
25	67°	57' 6"	27,300	15,000	21,300	69°	62' 11"	27,200	14,900	21,200			72°	73' 6"	26,900	14,600	20,900		25
30	61°	55' 0"	22,800	11,800	16,900	63°	60' 8"	22,700	11,700	16,800			67°	71' 7"	22,400	11,400	16,500		30
35	55°	51' 11"	19,900	9,600	13,800	58°	57' 10"	19,800	9,500	13,700			63°	69' 4"	19,500	9,200	13,400		35
40	48°	47' 10"	17,800	8,000	11,700	52°	54' 5"	17,700	7,900	11,600			58°	66' 6"	17,400	7,600	11,300		40
45	40°	42' 9"	15,400	6,800	9,900	46°	50' 0"	15,300	6,700	9,800			53°	63' 1"	15,000	6,400	9,500		45
50	31°	35' 10"	13,300	5,800	8,600	39°	44' 8"	13,200	5,700	8,500			48°	59' 0"	12,900	5,400	8,200		50
55	20°	25' 6"	11,800	5,000	7,500	30°	37' 4"	11,700	4,900	7,400			42°	54' 0"	11,400	4,600	7,100		55
60						19°	26' 3"	10,300	4,300	6,500			36°	47' 9"	10,000	4,000	6,200		60
70													17°	27' 8"	8,000	3,000	4,900		70

80' BOOM						90' BOOM						100' BOOM							
R	B	W	With Outriggers		Without Outriggers		B	W	With Outriggers		Without Outriggers		B	W	With Outriggers		Without Outriggers		R
			Side or Rear	Side	Rear	Side or Rear			Side	Rear	Side or Rear	Side			Rear	Side or Rear	Side	Rear	
20	78°	85' 3"	34,200	19,400	27,800	79°	95' 5"	33,900	19,100	27,500			80°	105' 7"	33,600	18,800	27,200		20
25	74°	84' 0"	26,600	14,300	20,600	76°	94' 4"	26,300	14,000	20,300			77°	104' 7"	26,000	13,700	20,000		25
30	70°	82' 4"	22,100	11,100	16,200	73°	92' 11"	21,800	10,800	15,900			74°	103' 4"	21,500	10,500	15,600		30
35	67°	80' 6"	19,200	8,900	13,100	69°	91' 2"	18,900	8,600	12,800			71°	101' 10"	18,600	8,300	12,500		35
40	63°	78' 0"	17,100	7,300	11,000	66°	89' 1"	16,800	7,000	10,700			68°	100' 0"	16,500	6,700	10,400		40
45	58°	75' 3"	14,700	6,100	9,200	62°	86' 8"	14,400	5,800	8,900			65°	97' 10"	14,100	5,500	8,600		45
50	54°	71' 11"	12,600	5,100	7,900	59°	83' 10"	12,300	4,800	7,600			62°	95' 4"	12,000	4,500	7,300		50
55	50°	68' 0"	11,100	4,300	6,800	55°	80' 7"	10,800	4,000	6,500			59°	92' 6"	10,500	3,700	6,200		55
60	45°	63' 4"	9,700	3,700	5,900	51°	76' 9"	9,400	3,400	5,600			55°	89' 3"	9,100	3,100	5,300		60
70	33°	51' 0"	7,700	2,700	4,600	42°	67' 3"	7,400	2,400	4,300			48°	81' 5"	7,100	2,100	4,000		70
80	16°	29' 5"	6,200	1,900	3,600	31°	53' 10"	5,900	1,600	3,300			40°	71' 0"	5,600	1,300	3,000		80
90						15°	30' 8"	4,800	1,100	2,600			30°	56' 7"	4,500	800	2,300		90
100													14°	32' 0"	3,600	300	1,700		100

R—Radius in feet.

B—Boom angle in degrees.

W—Ground to centerline boom head shaft.

* Lifting capacities shown are not more than 85% of minimum tipping loads with the machine standing on firm level ground. Allowances must be made on the above lifting capacities if the rear outrigger box is removed.

The low gantry is available at a reduction in price for booms up to and including 60 feet.

WE ARE CONSTANTLY IMPROVING OUR PRODUCTS AND THEREFORE RESERVE THE RIGHT TO CHANGE DESIGNS AND SPECIFICATIONS

For Certified Dimensions, Consult Factory

LINK-BELT SPEEDER CORPORATION — CEDAR RAPIDS, IOWA