



8,160 kg Max. Capacity Available in 3 Boom Lengths

- Rated Capacity Limiter ... Standard
- Capacity on Outriggers ... 8,160 kg
- Pick and Carry Capacity ... up to 5,300 kg

BAUGEASON

- Height ... 2.21 m
- Width ... 1.98 m
- Boom Rotation ... 360 Degree Continuous
- Sheave Height ... up to 14.22 m
- Horizontal Reach ... up to 12.19 m
- 4-Wheel Steer ... Standard
- 4-Wheel Drive ... Optional
- Powershift Transmission ... Standard
- Fully Hydraulic Controls for Smooth Precise Operations
- Independent Outrigger Controls
- Dual Fuel or Diesel Available





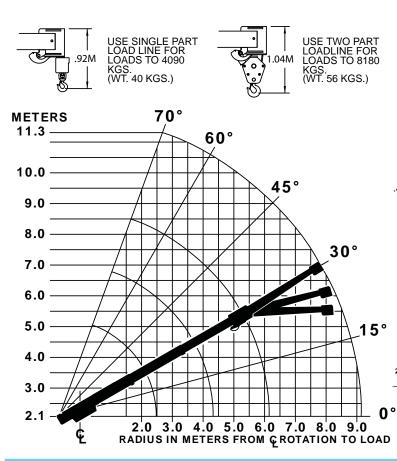
	CAPA	CITIES APPLY TO OPERATION ON FIRM LEVEL SURFACE					SURFACE		
	LOAD	MAIN BOOM OR EXTENSION O				CAPACITIES IN KILOGRAMS			
	RADIUS	360° ROTATION			OVER FRONT				
	METERS	ON RUBBER	ON OUTRI	ON OUTRIGGERS		ON RUBBER		N OUTRIGGERS	
Σ	1.5	4350	771	0	5	300		8160	
0	2.0	3290	598	0	4	460		5980	
-	2.5	2520	448	0	3	710		4480	
0	3.0	1920	354	0	2	930		3540	
B	3.5	1500	309	0	2	260		3090	
z	4.0	1210	271	0	1	850		2710	
=	4.5	1010	235	0	1	580		2350	
∢	5.0	870	205	0	1360 1190		2050 1870		
Σ	5.5	760	185	0					
	6.0	670	164	0	1060		1750		
Ξ.	6.5	600	139	0	950		1390		
×	7.0	530	131	0	840		1310		
ш	8.0	410	111	0	660		1160		
_	9.1	300	900)	520		1020		
N N	BOOM	3 METER	BOOM EXT	OOM EXTENSION - STRAIGHT OR OFFSE MAIN BOOM ANGLE			OR OFFSET		
-	EXTENSION		MAI						
0	ANGLE	0°	30°	45	5°	60°		70°	
В	*† 0°	1020	1180	14	50	2260		3170	
Σ	†15°		1090	12	20	1580		1900	
З	†30°		1020	11:	30	1360		1490	

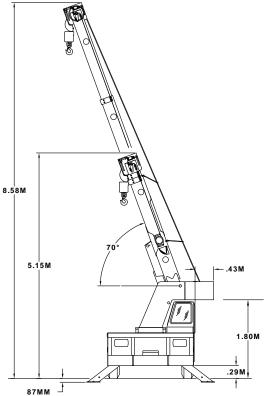
* USE 0° FOR STRAIGHT BOOM EXTENSION. † USE 0°, 15° OR 30° FOR OFFSET BOOM EXTENSION.

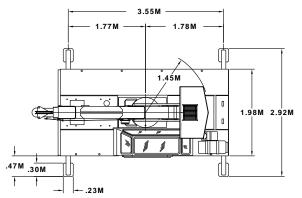
<u>CAUTION</u> BOOM EXTENSION LOADS MUST NOT EXCEED MAIN BOOM CAPACITY. DO NOT PICK & CARRY WITH LOADS ON BOOM EXTENSION.

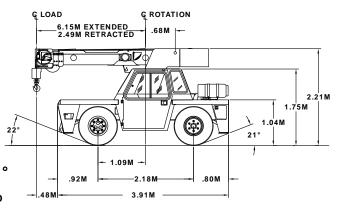
CAPACITIES ON OUTRIGGERS ARE 85% OF TIPPING LOADS. CAPACITIES ON RUBBER ARE 75% OF TIPPING LOADS. CAPACITIES BELOW BOLD LINE ARE LIMITED BY TIPPING. OTHER CAPACITIES ARE LIMITED BY STRUCTURAL OR HYDRAULIC CAPABILITY.

BOOM EXTENSION DEDUCT: 45 KGS WHEN STOWED ON BASE BOOM.











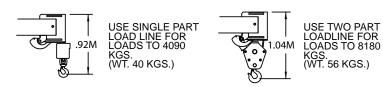
	CAPAC	ITIES APPLY					/FI	SURFACE	
	LOAD	TIES APPLY TO OPERATION ON FIRM LEVEL SURFAC MAIN BOOM OR EXTENSION CAPACITIES IN KILOGRAM							
	RADIUS	360° ROTATION				OVER FRONT			
	METERS	ON RUBBER	ON OUTRI	GGERS	ON I	RUBBER	ON	OUTRIGGERS	
	1.5	4310	771	0	5	260		8160	
	2.0	3250	602	6020		4380		5990	
Σ	2.5	2480	448	0	3	640		4500	
0	3.0	1860	354	0	2	870		3540	
0	3.5	1460	309	0	2260		3090		
6	4.0	1170	272	0	1830		2720		
AIN	4.5	980	234	2340		1520		2340	
	5.0	830	201	2010		1290		2000	
È	5.5	720		1780		1130		1830	
_	6.0	630	156	-		000		1680	
	6.5	550	140	-		380		1550	
	7.3	450	-	1150		750		1400	
⊢.	8.0	380	110	-	650		1230		
$ \times $	9.0	290	890	-	530 430		1060 920		
ш	10.0	220	740						
Σ	10.4	190	680		410		880		
0	BOOM	3 METER BOOM EXTENSION - STRAIGHT OR OFFSET							
0	O EXT. MAIN BOON				MANGLE				
l m	ANGLE	0°	30°	45	5°	60°		70°	
Σ	*t 0°	1020	1180	14		2260		3170	
6	†15°		1090	12	20	1580		1900	
	†30°		1020	11:	30	1360		1490	

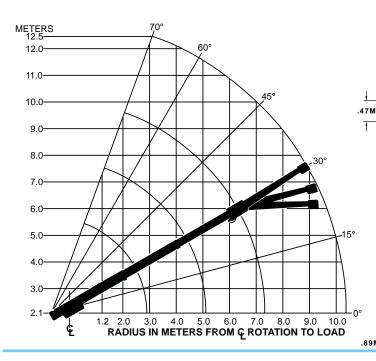
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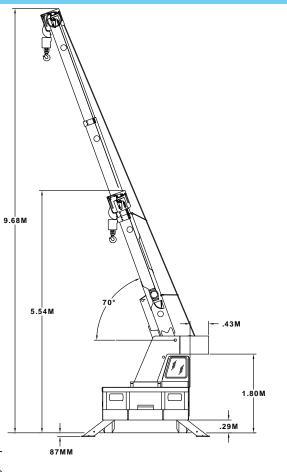
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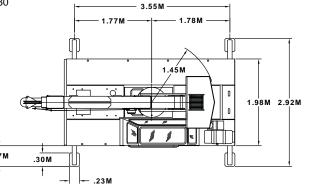
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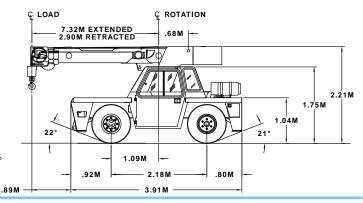
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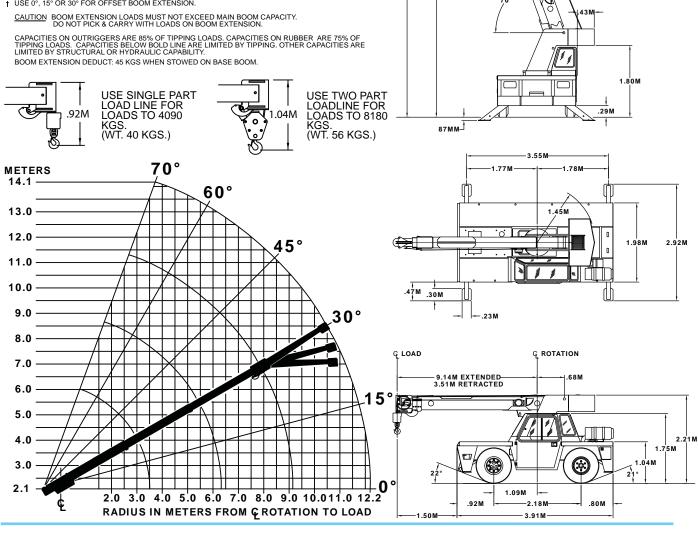
Courtesy of Crane.Market

IC-80-3H

A

11.40M

6.1⁰M



	CAPACIT	TES APPLY TO OPERATION ON FIRM LEVEL SURFACE							
	LOAD	AD MAIN BOOM OR EXTENSION CAPACITIES					ΝK	ILOGRAMS	
	RADIUS	DTATION	TATION		OVER F		RONT		
	METERS	ON RUBBER	ON OUTRI	GGERS	ON F	RUBBER	ON	OUTRIGGERS	
	1.5	4260	771	0	5	170		8160	
	2.0	3140	579	5790		4290		5790	
Σ	2.5	2470	440	0	3580		4400		
0	3.0	1990	356	-		830		3560	
-	3.5	1560	291	0		180		2910	
0	4.0	1270	252	0	1	720		2520	
В	4.5	1060	221	0	1	400		2210	
z	5.0	890	195	0	1	170		1950	
—	5.5	740	1760		990		1760		
◄	6.0	6.0 630		1570		840		1570	
Σ	6.5	540	1430		730		1430		
_	7.0	480	133	0		650		1330	
	7.5	430	120	0		580		1230	
	8.0	380	109	0		530		1140	
	8.5	340	100	-		500		1070	
	9.0	290	910		460		990		
H.	10.0	180	760)	:	390		850	
Ж	11.0	110	650)	310		740		
	12.2	60	520			220		630	
MO	BOOM	3-METER BOOM EXTENSION - STRAIGHT OR OFFSE					R OFFSET		
0	EXTENSION	MAIN BOO							
BO	ANGLE	0°	30°	4	5°	60°		70°	
_	*† 0°	1020	1180		50	2260		3170	
Σ	† 15°		1090		20	1580		1900	
e	t 30°		1020	11	30	1360)	1490	

* USE 0° FOR STRAIGHT BOOM EXTENSION.
† USE 0°, 15° OR 30° FOR OFFSET BOOM EXTENSION.

IC-80-H Specifications

GENERAL:

GENERAL:				
Weight:	IC-80-1H	IC-80-2H	IC-80-3H	
4-Wheel Steer	7,325 kg	7,415 kg	7,600 kg	
4-Wheel Drive	7,710 kg	7,800 kg	7,985 kg	
Boom Movement:	. 0	. 0	, 0	
Rotation	Continuous	Continuous	Continuous	
Elevation	0º to 70º	0º to 70º	0º to 70º	
Extension	3.66 m	4.42 m	5.64 m	
Boom Speeds:				
Rotation	2.0 RPM	2.0 RPM	2.0 RPM	
Elevation	10.0 sec.	10.0 sec.	10.0 sec.	
Extension	17.0 sec.	21.0 sec.	27.0 sec.	
Turning Radius:				
(C/L of Outside Stee	ering Wheel)	3.05 m		
Àisle Width for 90°		2.90 m		
ENGINE:				
Make	GM	Cummir	IS	
Model	3.0 EFI*	QSB 3.3	BL EPA Tier 3	
Туре	Gas	Diesel		
No. Cyl.	4	4		
Displacement	3.0 L	3.3 L		
HP @ Gov. Speed	51.4 kw	63.4 kw		
*Electronic Fuel I	njection with Du	ual Fuel, US EF	A &CARB	
	Certified for 2005 Emissions Standards			

Fuel Tank Capacity:

TRANSMISSION:

Powershift transmission with 4-speeds in forward & reverse. Provides powershifts at any engine speed in any gear. All shifting is done with a single lever electrical control mounted on the steering column. Multiple-disc clutch packs operated by solenoid valve provide forward, neutral, reverse and speed selection. Equipped with oil cooler and filter. Torque converter has stall ratio of 2.2:1. Gradeability 63 percent.

6.66 L

	Forward/Reverse	Travel	Drawbar
Gear	Gear Ratios	Speed	Pull
First	5.72:1	6 km/h	7,030 kg
Second	3.23:1	11 km/h	3,945 kg
Third	1.77:1	21 km/h	2,085 kg
Fourth	1.00:1	35 km/h	1,135 kg

AXLES: Front:

Planetary drive/steer axle with 11.625:1 axle ratio. Differential is "No-Spin." Axle mounted rigidly to frame.

Optional 4-Wheel Drive

Planetary drive/steer axle with integral drop box input 11.625:1 axle ratio. Differential is "No-Spin." Mining and Industrial tires standard.

Rear:

2-Wheel Drive:

Axle with 1-1/2° oscillation in either direction.

Optional 4-Wheel Drive:

Planetary drive/steer axle with 11.625:1 axle ratio. Differential is "Limited Slip." 1-1/2° oscillation degree in either direction.

Forward/Reverse	Iravel	Drawbar
Gear Ratios	<u>Speed</u>	Pull
5.72:1	5 km/h	8,890 kg
3.23:1	10 km/h	4,990 kg
1.77:1	18 km/h	2,675 kg
1.00:1	32 km/h	1,495 kg
	<u>Gear Ratios</u> 5.72:1 3.23:1 1.77:1	Gear Ratios Speed 5.72:1 5 km/h 3.23:1 10 km/h 1.77:1 18 km/h

STEERING:

Hydraulic steering unit with cylinders attached to each axle. Rear axle is the primary steer. An electric switch in the operator's compartment is used to select rear-wheel steering, four-wheel round steering or crab steering. Electronic sensors and control box automatically align the steering when a new mode is selected.

BRAKES:	2-Wheel Drive	4-Wheel Drive
Front	Internal wet disc	Internal wet disc
Rear	Drum type	Internal wet disc
Parking	Disc type	Disc type

TIRES:

2-Wheel Drive 10.00 x 15, load range H bias, 16-ply rating.

4-Wheel Drive 36 X 11-15, Mining & Industrial, 16 ply rating.

CHASSIS: Cargo Deck:

4.92 m² of deck area. 6,350 kg capacity on deck when load is centered over or between axles.¹ A storage box is located in front cargo deck. Steps located on front corners.

 6,350 kg allowed at creep speed of 3.2 km/h and 61 m maximum in 30 minutes.

Outriggers:

Four hydraulic outriggers of box beam construction.

Independent controls for each outrigger. Each cylinder equipped with direct-connected holding valves. Outrigger pad dimension 23 cm x 30 cm.

Lifting Rings:

Lifting rings at each corner of cargo deck so sling can be attached for lifting crane.

OPERATOR COMPARTMENT:

Operator's control station provides one-position access to all operating functions. Includes adjustable operator's seat, retracting seat belt, fire extinguisher and bubble level.

ELECTRICAL:

12 Volt System

Instrument Package:

Includes fuel and hourmeter. Also included are, warning lights for low oil and transmission pressure, turn signal, high beams, hazard lights, parking brake, hydraulic oil temperature, battery, check engine, stop engine, coolant temperature, outriggers and optional 4-wheel drive.

Lighting Package:

One pair headlights with Hi and Low beams, back-up lights, integral tail, brake, front and rear turn signals and emergency flasher switch at operator's station. 12V horn actuated by button on shifting control.

Back-Up Alarm:

Provides pulsating sound from 97 dB alarm when transmission is in reverse. Conforms to SAE J994b.

Outrigger Alarm System:

Two-tone alarm is activated when "outrigger down" controls are operated.

HYDRAULIC SYSTEM:

Tandem pump, direct-driven by engine crankshaft, rated at 61 & 121 lp/m at rated RPM. Hydraulic oil tank capacity of 64.6 L.

BOOM ASSEMBLY:

Three-section boom assembly equipped with bearing pads, doubleacting hydraulic cylinders with direct-connected holding valves & boom angle indicator on each side of boom.

Boom Rotation:

Heavy-duty ball bearing rotation gear with external teeth. Rotation is powered by hydraulic motor and worm gear drive.

Boom Hoist:

Turret mounted planetary gear hoist hydraulically powered with a bare drum line pull of 4,535 kg at a line speed of 33.5 mp/m. Includes downhaul weight, swivel hook & sheave block for 2-part line and 38.1 m of 14.3 mm hoist rope.

Anti-Two-Block Device:

Prevents damage to hoist rope and/or crane components from pulling load hook against tip.

Sheave Block, Two-Part:

Single sheave block for 2-part line requirements.

Rated Capacity Limiter:

Warns operator of impending overload with audible and visual signals. Prevents overload by stopping boom functions that cause overloads.

IC-80-H Options

Listed below are brief descriptions of options available for this product. Consult the IC-80-H Engineering Spec for additional information.

MODELS:

IC-80-1H Industrial Crane with 6.5 m -2.49 m Boom Reach IC-80-2H Industrial Crane with 2.90 m - 7.33 m Boom Reach IC-80-3H Industrial Crane with 3.51 m - 9.14 m Boom Reach

ENGINE:

Spark Arrester Muffler

Installed in addition to std. muffler. Catalytic Converter Reduces engine emissions.

Engine Heater

Engine coolant heater installed to circulate warm water through engine. Plugs into120 volt AC.

AXLE & STEERING OPTIONS:

4-Wheel Steer & 2-Wheel Drive 4-Wheel Steer & 4-Wheel Drive (Diesel Engine Only)

TIRE OPTIONS:

Mining & Industrial Tires 36 x 11-15, 16-Ply Rating 36 x 11-15, Non Marking Solid Rubber Tires, 8.25 x 15 Foam Filling of Tires Spare Tire & Wheel Radial Bias Mining & Industrial, 36 x 11-15 Mining & Industrial, Non Marking

CHASSIS OPTIONS:

Auxiliary Winch Mounted behind front bumper, hydraulically driven with control in operator's console. Pintle Hook: Pintle Hook, Rear Pintle Hook, Front Headlight and Taillight Grilles Welded steel protective grilles for headlights and taillights. **Rearview Mirrors** One mounted on right-hand deck stake and one mounted on left-hand deck stake. **OPERATOR COMPARTMENT OPTIONS:**

Operator Guard

Tubular steel weldment with heavv expanded steel mesh top section.

Operator Guard Cover

Clear vinyl cover which goes over Operator Guard, for inclement weather operations. All-Weather Cab

Rigid-mounted canopy section & removable hinged door. Includes heater, electric windshield wiper, one sliding glass window in the door & one in the right side of canopy. Defroster fan & dome light included.

Cab Heater

Heater with two-speed fan for units without All Weather Cab.

Windshield Washer

Includes reservoir pump and nozzle.

Floor Mat

Vinyl mat with foam backing.

Operator Suspension Seat

Provides additional operator comfort. Noise Reduction Kit

Includes floor mat, control valve and side panels of foam backed vinyl for noise reduction.

Air Conditioning

Air Conditioner with R134 coolant.

ELECTRICAL OPTIONS:

Strobe Lights

Yellow strobe light mounted on each side of turret weight box.

Boom Work Lights

One work light mounted to boom to light boom tip and one work light mounted to turret to light ground under boom tip.

Work Lights-Rear

Two work lights recessed in rear bumper.

BOOM ATTACHMENTS:

Boom Extension, 3.09 m

Boom stowable.

Boom Extension, 3.09 m, Offsettable

Same as above item, except the boom extension is offsettable to 3 different positions; 0 degrees (inline), 15 degrees and 30 degrees offset.

Searcher Hook:

Nose Mount

Should you require an option or special equipment not listed please consult your dealer salesperson or BMC[®].



14741 West 106th Street Lenexa, KS 66215 USA

Tel (913) 888-0606 Fax (913) 888-8431 www.bmccranes.com Dimensions and values shown are for reference purposes only. Specifications subject to change.



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