

# **Grove YB5515 (Dual Fuel)**

## **Product Guide**



#### **Features**

- 13,6 t (15 USt) capacity threesection boom with 12,5 m (41 ft) outreach
- 4,6 m (15 ft) offsettable swingaway extension
- 9072 kg (20,000 lb) deck carrying capacity
- Available with dual fuel engine only



## **Features**



#### Cab

The YB5515 comes equipped with a **standard** open air cab shell with overhead safety glass.

An **optional** enclosed cab with the addition of front, right, and rear glass, a split (two-piece) hinged door with sliding glass. Front windshield wiper, heater and defroster fan are included.

#### Steering

**Standard** steering modes on the YB5515 is twowheel, four-wheel, and crab steer with an option for electronic self-alignment.





#### Outriggers

The YB5515 is equipped with single-position oblique style outriggers.



Dual Fuel engine

G.M. 4,3 L V-6 EFI dual fuel (gasoline / L.P.) rated at 69,3 kW (93 bhp) at 2500 rpm.



#### **Boom**

A 12,5 m (41 ft) main boom comes **standard** on the YB5515. An **optional** fourth main boom section adds 3,4 m (11 ft) additional boom length.

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# **Specifications**

#### Superstructure



#### **Boom**

5.6 m - 12.5 m (18 ft 6 in -41 ft 0 in) three-section full power boom.

Maximum tip height: 14,1 m (46 ft 3 in)



#### \*Optional boom

Manual fourth main boom fly section Maximum tip height: 17,0 m (56 ft 3 in)



#### \*Boom extension

4,6 m (15 ft) offsettable swingaway extension



#### **Boom nose**

Two sheave non-pivoting boom nose



#### **Boom elevation**

Single double acting hydraulic cylinder with integral holding valve.

Elevation: 0° to 69° for the YB5515



#### Anti-two block device

Standard anti-two block device, when activated, provides an audible warning to the crane operator and disengages all crane functions whose movement can cause two-blocking.



#### Load indicator (wireless LSI)

A simple, effective, and easy to use load moment indicating system used in conjunction with a wireless anti-two block system to assist the operator in efficient operation of the unit within the limits of the load chart.

The display panel displays the hook load, length and angle of the boom, and load radius in Dot Matrix numerical values and provides a load utilization colored bar graph.

If non-permitted conditions are approached the L.M.I. will warn the operator with an audible alarm and a warning light and will lock out those functions that may aggravate the condition.

Standard limit settings can be programmed for boom Angle, load radius, and boom tip height.



# \*Load moment indicator (hardwired LMI)

"Graphics Display" of boom angle, boom length, load radius, and capacity. Operator input to set the limit parameters based on the load chart. Displays color coded light bar and audible alarm with function cut-out if load exceeds the load chart parameters.



#### **Swing**

Ball bearing swing circle with 360° continuous rotation. Hydraulic driven worm gear and pinion. Maximum speed: YB5515: 2.1 rpm



#### Hydraulic system

Four section gear pump providing a system pressure of 241,3 bars (3500 psi)

Combined flow: 333,1 Lpm (88.0 gpm)

YB5515: Six-section valve bank mounted in dash with direct mechanical linkage for low effort lever control. Return line filter with full flow by-pass protection and service indicator.

151,4 L (40 gal) hydraulic reservoir with sight level gauge and steel side plating to guard against side impact damage.

#### 

#### **Hoist specifications**

Piston motor drive with spring applied / hyd. released brake. Equal speed power up and down.

Drum diameter: 0,25m (9.75 in)

Maximum hoist single line pull: 5443 kg (12,000 lb)

Maximum hoist single line speed: 38,4 m/min (126 fpm)

Maximum permissible single line pull:

3402 kg (7500 lb) (12,7 mm [1/2 in]) Rope length:

(three-section boom) 73,0 m (240 ft) (four-section boom) 88,4 m (290 ft)

# **Specifications**

#### Carrier



#### Frame

High strength alloy steel constructed with integral outrigger housings; front and rear tie-down lugs.  $75 \, \text{ft}^2$  carrydeck size with 9072 kg (20,000 lb) carrying capacity. Deck coated with anti-skid treatment.



#### Outriggers

YB5515: Front and rear oblique type beams at all four corners with integral holding valves. Outrigger pads form an integral part of the beam. Outrigger pad size 222 mm x 254 mm (8.75 in x 10 in). Outrigger monitoring system (required for North America and Canada).

Maximum pad load: 162 p.s.i.



#### **Outrigger controls**

Lever controls located on dash panel and operate the beams in pairs from side to side. Level bubble located inside operators compartment.

\*Independent outrigger controls available as an option.



#### Dual Fuel engine (2007 EPA)

G.M. 4,3 L V-6 EFI dual fuel (gasoline / L.P.) rated at 69,3 kW (93 bhp) at 2500 rpm.



#### **Operators control station**

Frame mounted, open air style control station with cab shell includes all crane functions, driving controls, and overhead safety glass. Other standard equipment include a durable weather resistant seat with seat belt, hourmeter, sight level bubble, and fire extinguisher. The dash panel includes engine oil pressure gauge, engine water temperature gauge, fuel gauge, transmission low oil and high temperature warning lights, low battery warning light, and brake system low pressure warning light. The LSI (load indicator) receiver is mounted to the top of the dash.

### 4

#### \*Operators control station enclosed

Includes the standard cab shell with the addition of front, right, and rear glass, a split (two-piece) hinged door with sliding glass.

Front windshield wiper, heater and defroster fan are included.



#### Fuel tank capacity

151,4 L (40 gal) all steel construction with steel side plate to guard against side impact.



#### **Electrical system**

One 12V maintenance free battery, 820CCA @ 0°. 63 amp alternator.

#### I-●-I Drive

4 x 2 – Front axle drive with planetary hubs and limited slip differential.



#### Steer

Two-wheel, four-wheel, and crab steer Outside turning radius:

Two wheel steer: 6,55 m (21 ft 6 in) Four wheel steer: 3,76 m (12 ft 4 in)



#### Transmission

I.T.L. synchromesh four-speeds forward and reverse.



#### **Tires**

385/65R 22.5 radial traction tread pneumatic.

# **Specifications**



#### **Brakes**

Hydraulic actuated internal wet-disc service brakes acting on all four wheels. A dash mounted toggle switch activates the dry disc parking brake on the transmission output yoke with a dash warning light.



#### Suspension

Front: Rigid mounted to frame. Rear: Provides 1.5° oscillation for use on semi-rough terrain. Axle lock-out must be engaged (locked) whenever picking on rubber or traveling in the crab steer mode. A warning light indicates when the axle lock-outs are engaged.



#### Lights

Recessed mounted, includes head, tail, rear work, stop, and turn signals.



#### Maximum speed

23,3 km/h (14.5 mph)



#### Gradeability (theoretical)

73%....no load 41%.... 9072 kg (20,000 lb) load

#### Gross vehicle weight (G.V.W.)

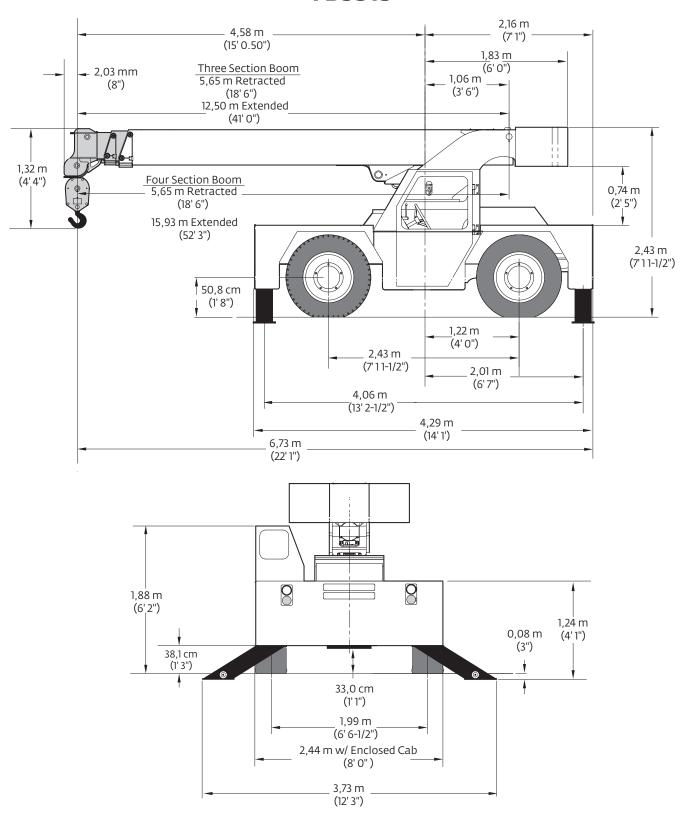
12 332 kg (27,186 lb) three-section boom 12 584 kg (27,743 lb) four-section boom \*All weights with enclosed cab

#### Miscellaneous standard equipment

Two sheave, "Quick Reeve" style hookblock; 13,6 t (15.0 USt). Back-up alarm Lifting and tie down lugs Outrigger motion alarm

## **Dimensions**

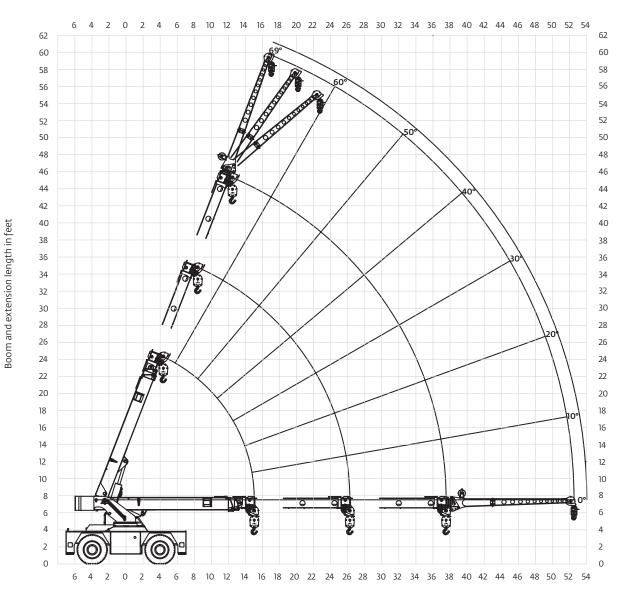
#### **YB5515**



THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

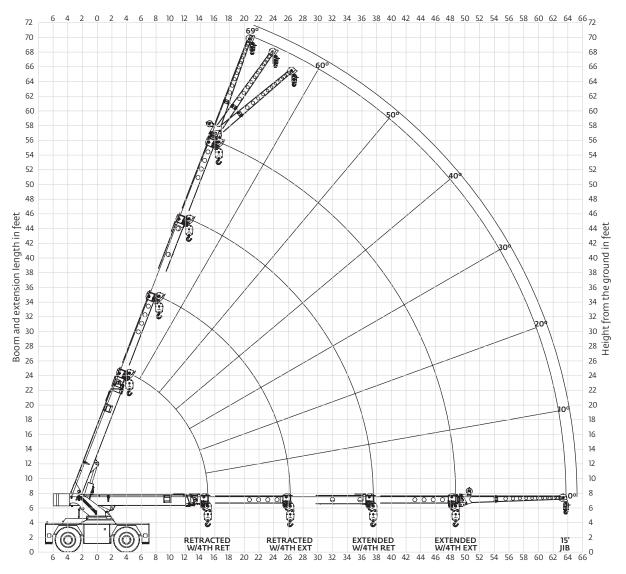
# YB5515 (three-section boom)



Operating radius in feet from axis of rotation

# Range diagram

# YB5515 (four-section boom)



Operating radus in feet from axis of rotation  $% \left( x\right) =\left( x\right) +\left( x$ 

# YB5515 (three-section boom)

	RADIUS	ON OUTRI	GGERS (Ib)	ON RUB	BER (lb)
	(ft)	F/R	360°	F/R	360°
	6.0	30,000	30,000	17,000	17,000
	8.0	26,200	26,200	13,500	14,600
	10.0	22,300	22,300	10,700	10,880
	12.0	18,600	18,600	8710	8100
	14.0	14,800	14,800	7210	6000
	15.0	13,000	13,000	6600	5250
5	16.0	12,200	12,200	6060	4760
ō	18.0	10,800	10,800	5120	3900
&	20.0	9630	9180	4370	3190
ΙZ	22.0	8640	7480	3710	2660
MAIN BOOM	24.0	7790	6210	3070	2200
-	26.0	7040	5310	2620	1820
	28.0	6420	4740	2260	1530
	30.0	5700	4290	1990	1320
	32.0	5060	3920	1790	1160
	34.0	4510	3580	1610	1040
	36.0	4020	3260	1460	930
	37.5	3700	3060	1370	860
	40.0	3480	2860	1270	800
	42.0	3310	2700	1190	740
l	44.0	3130	2560	1120	690
<b>E</b>	46.0	2960	2410	1040	640
	48.8	2710	2210	930	570
	52.5	2390	1940	790	480

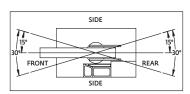
MAIN BOOM ANGLE	JIB STRUCTURAL CAPACITIES (lb)					
(deg)	0°	15°	30°			
69	6000	3900	2800			
65	5000	3500	2550			
60	4300	3150	2350			
55	3800	2850	2200			
50	3400	2600	2100			
45	3050	2400	2000			
40	2800	2250	1950			
35	2600	2150	1900			
30	2400	2080	1850			
25	2300	2050	-			
20	2200	2000	-			
15	2100	1950	-			
10	2050		-			
5	2020		-			
0	2000		-			

NOTES:

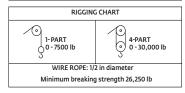
JIB CAPACITY IS LIMITED BY BOTH STRUCTURAL CAPACITY CHART AND MAIN CAPACITY CHART.

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.



REDUCTION CHART							
	FROM MAIN BOOM RATINGS	FROM JIB RATINGS					
MAIN BLOCK	210 lb	N/A					
HOOK & BALL	100 lb	100 lb					
JIB, STOWED	0 lb	N/A					
JIB, DEPLOYED	700 lb	0 lb					



1) The rated loads are the maximum lifting capacities as determined by operating radius only. Any combination of boom lengths and angles may be used to obtain operating radius. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous suroundings, climatic conditions, experience of operator and proper training must be taken into account by the operator.

3) The weights of all load handling devices, such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

4) Ratings on outriggers are with outriggers fully extended.

5) Ratings on rubber depend on tire capacity, , condition of tires and proper inflation pressure (120 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth, hard, level surface with the boom retracted to the shortest length possible and centered over the front.

6) For operating radius not shown, use load rating of next larger radius.

7) The maximum combined total boom and deck load is 16,000 lb. The maximum deck load only is 20,000 lb.

8) Do not induce any external side loads to boom or jib.

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# YB5515 (four-section boom)

		4TH RET	RACTED					4TH EX	TENDED	
				411.3	R (lb) RADIUS ON OUTRIGGERS (lb) ON RUI					44
RADIUS	ON OUTRI	GGERS (Ib)	ON RUB	BER (Ib)			ON OUTRIC	GGERS (Ib)	ON RUB	BER (lb)
(ft)	F/R	360°	F/R	360°		(ft)	F/R	360°	F/R	360°
6.0	30,000	30,000	17,000	17,000		6.0	-	-	-	-
8.0	26,200	26,200	13,500	14,600		8.0	11,000	11,000	11,000	11,000
10.0	22,300	22,300	10,700	11,000	1	10.0	10,700	10,700	10,700	10,700
12.0	18,600	18,600	8710	7650		12.0	9250	9250	9250	9250
14.0	14,800	14,800	7210	5480		14.0	8290	8390	7760	7500
15.0	13,000	13,000	6600	4890		15.0	8200	8200	7150	6080
16.0	12,200	12,200	6060	4500		16.0	8110	8110	6610	5510
18.0	10,800	10,600	4950	3750		18.0	7950	7950	5680	4500
20.0	9630	8630	3980	3080	5	20.0	7820	7820	4730	3560
22.0	8640	7350	3230	2460	BOOM	22.0	7710	7710	3980	3000
24.0	7790	6460	2720	1990	8	24.0	7630	7270	3410	2520
26.0	6800	5700	2360	1610	MAIN	26.0	7100	6330	2940	2150
28.0	5820	5040	2100	1410	l≨	28.0	6590	5420	2550	1840
30.0	5020	4420	1880	1220	_	30.0	5710	4760	2190	1580
32.0	4400	3950	1650	1070		32.0	5180	4080	1880	1360
34.0	3930	3570	1460	920		34.0	4680	3570	1600	1160
36.0	3510	3190	1280	770		36.0	4250	3190	1370	990
37.5	3210	2890	1180	680		37.5	3830	2970	1240	880
40.0	2950	2600	1070	610	١	40.0	3400	2700	1070	740
42.0	2760	2430	970	550	١\	42.0	3150	2490	960	630
44.0	2590	2250	890	500	$  \rangle$	44.0	2890	2300	870	540
46.0	2430	2090	800	450	$  \  $	46.0	2630	2130	790	470
48.8	2240	1850	680	380	۱ ۱	48.8	2320	1930	710	370
52.5	2030	1480	500	290	黑	52.5	2070	1710	590	280
58.0	-	-	-	-	_	58.0	1720	1380	420	170
63.8	-	-	-	-		63.8	1330	1020	230	60

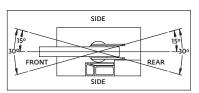
MAIN	JIB STRUCTURAL CAPACITIES (Ib)									
BOOM ANGLE	4TH	RETRAC	TED	4TH	EXTEN	DED				
(deg)	0°	15°	30°	O°	15°	30°				
69	6000	3900	2800	5180	3900	2800				
65	5000	3500	2550	4970	3500	2550				
60	4300	3150	2350	4300	3150	2350				
55	3800	2850	2200	3800	2850	2200				
50	3400	2600	2100	3400	2600	2100				
45	3050	2400	2000	3050	2400	2000				
40	2800	2250	1950	2800	2250	1950				
35	2600	2150	1900	2600	2150	1900				
30	2400	2080	1850	2400	2080	1850				
25	2300	2050	-	2300	2050	-				
20	2200	2000	-	2200	2000	-				
15	2100	1950	-	2100	1950	-				
10	2050	-	-	2050	-	-				
5	2020	-	-	2020	-	-				
0	2000	-	-	2000	-	-				

NOTES:

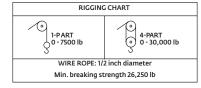
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REDUCTION CHART							
	FROM MAIN BOOM RATINGS	FROM JIB RATINGS					
MAIN BLOCK	210 lb	N/A					
HOOK & BALL	100 lb	100 lb					
JIB, STOWED	0 lb	N/A					
JIB, DEPLOYED	700 lb	0 lb					



- The rated loads are the maximum lifting capacities as determined by operating radius only. Any combination of boom lengths and angles may be used to obtain operating radius. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.
- 2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous suroundings, climatic conditions, experience of operator and proper training must be taken into account by the operator.
- The weights of all load handling devices, such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

- 4) Ratings on outriggers are with outriggers fully extended.
- 5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (120 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth, hard, level surface with the boom retracted to the shortest length possible and centered over the front.
- 6) For operating radius not shown, use load rating of next larger radius.
- The maximum combined total boom and deck load is 16,000 lb.
   The maximum deck load only is 20,000 lb.
- 8) Do not induce any external side loads to boom or jib.

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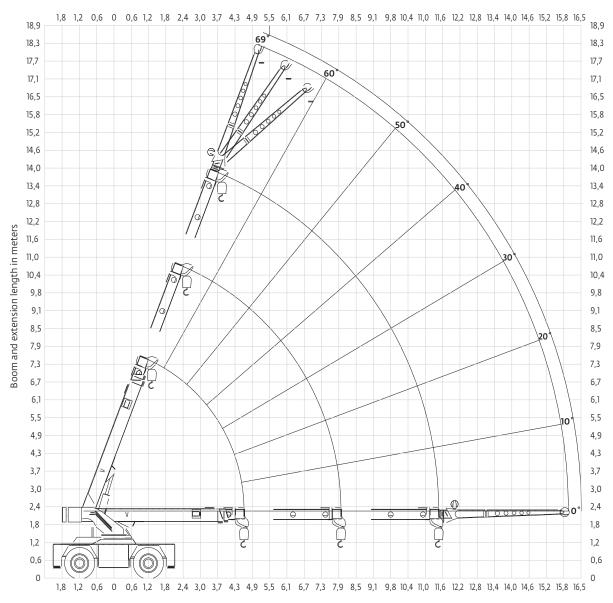
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The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

# Height from the ground in meters

# DIN/ISO range diagram

# YB5515 (three-section boom)

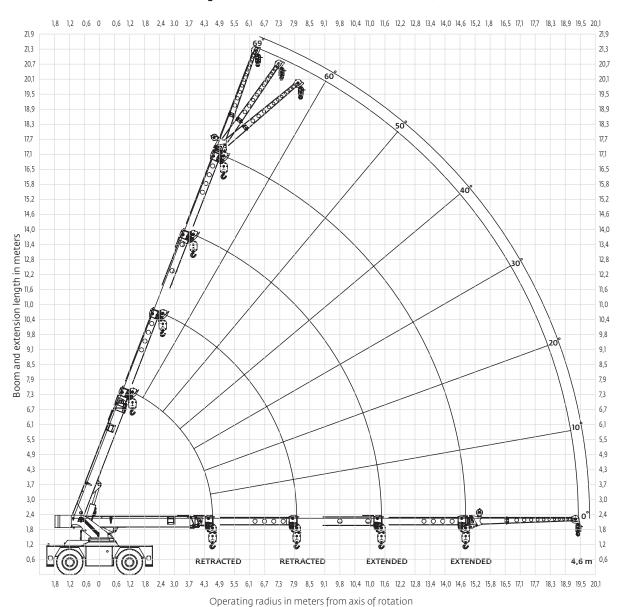


Operating radius in meters from axis of rotation

# Height from the ground in meters

# DIN/ISO range diagram

# YB5515 (four-section boom)



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## DIN/ISO load chart

## **YB5515** (three-section boom)

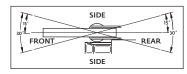
	RADIUS	ON OUTRI	GGERS (kg)	ON RUB	BER (kg)
	(m)	F/R	360°	F/R	360°
	1,8	13 610	13 610	7710	7710
	2,4	11 880	11 880	6120	6620
	3,0	10 120	10 120	4850	4860
	3,7	8440	8440	3950	3600
	4,3	6710	6710	3270	2650
	4,6	5900	5900	2990	2310
≥	4,9	5540	5530	2750	2090
ВООМ	5,5	4900	4750	2320	1700
B	6,1	4370	3840	1940	1370
2	6,7	3920	3120	1610	1130
MAIN	7,3	3460	2570	1320	920
_	7,9	3010	2190	1110	750
	8,5	2660	1950	950	620
	9,1	2350	1750	830	530
	9,8	2080	1600	740	450
	10,4	1850	1450	660	400
	11,0	1640	1310	590	350
	11,4	1500	1230	550	320
	12,2	1410	1140	500	290
	12,8	1330	1080	470	260
	13,4	1260	1010	430	240
JIB	14,0	1190	950	400	220
	14,9	1080	870	350	190
	16,0	940	750	280	140

MAIN BOOM ANGLE	JIB STRUCTURAL CAPACITIES (kg)					
(deg)	o°	15°	30°			
69	2720	1770	1270			
65	2270	1590	1160			
60	1950	1430	1070			
55	1720	1290	1000			
50	1540	1180	950			
45	1380	1090	910			
40	1270	1020	880			
35	1180	980	860			
30	1090	940	840			
25	1040	930	-			
20	1000	910	-			
15	950	880	-			
10	930	-	-			
5	920	-	-			
0	910	-	-			

NOTES: JIB CAPACITY IS LIMITED BY BOTH STRUCTURAL CAPACITY CHART AND MAIN CAPACITY CHART.

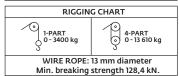
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OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.



#### REDUCTION CHART

REDUCTION CHART							
	FROM MAIN BOOM RATINGS	FROM JIB RATINGS					
MAIN BLOCK	100 kg	N/A					
HOOK & BALL	50 kg	50 kg					
JIB, STOWED	0 kg	N/A					
JIB, DEPLOYED	320 kg	0 kg					



1) The rated loads are the maximum lifting capacities as determined by operating radius only. Any combination of boom lengths and angles may be used to obtain operating radius. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 80% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

4) Ratings on outrigggers are with outriggers fully extended.

5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (8,3 bar). Loads on rubber may be transported at a maximum speed of 1,4 km/h on a smooth hard level surface with boom retracted to the shortest length possible and centered over

6) For operating radius not shown, use load rating of next larger radius.

7) The maximum combined total boom and deck load is 7260 kg. The maximum deck load only is 9070 kg.

8) Do not induce any external side loads to boom or jib.

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# YB5515 (four-section boom)

		4TH RET	RACTED					4TH EX	TENDED	
RADIUS	ON OUTRI	GGERS (kg)	ON RUB	ON RUBBER (kg)		RADIUS	ON OUTRIGGERS (kg)		ON RUBBER (kg)	
(m)	F/R	360°	F/R	360°		(m)	F/R	360°	F/R	360°
1,8	13 610	13 610	7710	7710		1,8	-	-	-	-
2,4	11 880	11 880	6120	6120		2,4	5030	5030	5030	5030
3,0	10 120	10 120	4860	4890	1	3,0	4850	4850	4850	4850
3,7	8440	8440	3950	3390		3,7	4200	4200	4200	4200
4,3	6710	6710	3270	2400		4,3	3760	3760	3520	3320
4,6	5900	5900	2990	2140		4,6	3720	3720	3240	2670
4,9	5540	5540	2670	1960		4,9	3680	3680	3000	2420
5,5	4900	4450	2160	1620		5,5	3610	3610	2530	1960
6,1	4370	3600	1720	1310	5	6,1	3550	3550	2060	1530
6,7	3920	3050	1380	1030	ВООМ	6,7	3500	3500	1720	1280
7,3	3320	2670	1150	820	<u> </u>	7,3	3460	3020	1470	1060
7,9	2820	2340	990	650	MAIN	7,9	3180	2620	1250	890
8,5	2400	2060	870	560	Σ	8,5	2730	2230	1080	750
9,1	2050	1800	770	470		9,1	2350	1950	910	630
9,8	1790	1600	670	400		9,8	2120	1660	770	530
10,4	1590	1440	580	340		10,4	1910	1440	640	450
11,0	1410	1270	500	270		11,0	1690	1270	540	370
11,4	1290	1150	450	230		11,4	1550	1180	480	320
12,2	1170	1020	400	190	1	12,2	1360	1070	400	250
12,8	1090	950	360	170	\	12,8	1260	970	350	200
13,4	1020	880	320	150	\	13,4	1150	890	310	160
14,0	950	810	280	120	\	14,0	1040	820	280	130
14,9	870	700	230	90	Ι \	14,9	900	740	240	90
16,0	780	550	150	50	8	16,0	800	640	190	50
17,7	-	-	-	-		17,7	650	500	110	0
19,4	-	-	-	-		19,4	480	350	20	0

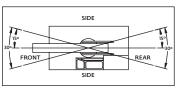
MAIN	JIB STRUCTURAL CAPACITIES (kg)									
BOOM ANGLE	4TH	RETRAC	TED	4TI	H EXTEND	ED				
(deg)	0°	15°	30°	0°	15°	30°				
69	2720	1770	1270	2350	1770	1270				
65	2270	1590	1160	2250	1590	1160				
60	1950	1430	1070	1950	1430	1070				
55	1720	1290	1000	1720	1290	1000				
50	1540	1180	950	1540	1180	950				
45	1380	1090	910	1380	1090	910				
40	1270	1020	880	1270	1020	880				
35	1180	980	860	1180	980	860				
30	1090	940	840	1090	940	840				
25	1040	930	-	1040	930	-				
20	1000	910	-	1000	910	-				
15	950	880	-	950	880	-				
10	930	-	-	930	-	-				
5	920	-	-	920	-	-				
0	910	-	-	910	-	-				

#### NOTES:

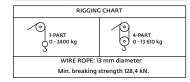
JIB CAPACITY IS LIMITED BY BOTH STRUCTURAL CAPACITY CHART AND MAIN CAPACITY CHART.

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.



REDUCTION CHART		
	FROM MAIN BOOM RATINGS	FROM JIB RATINGS
MAIN BLOCK	100 kg	N/A
HOOK & BALL	50 kg	50 kg
JIB, STOWED	0 kg	N/A
JIB, DEPLOYED	320 kg	0 kg



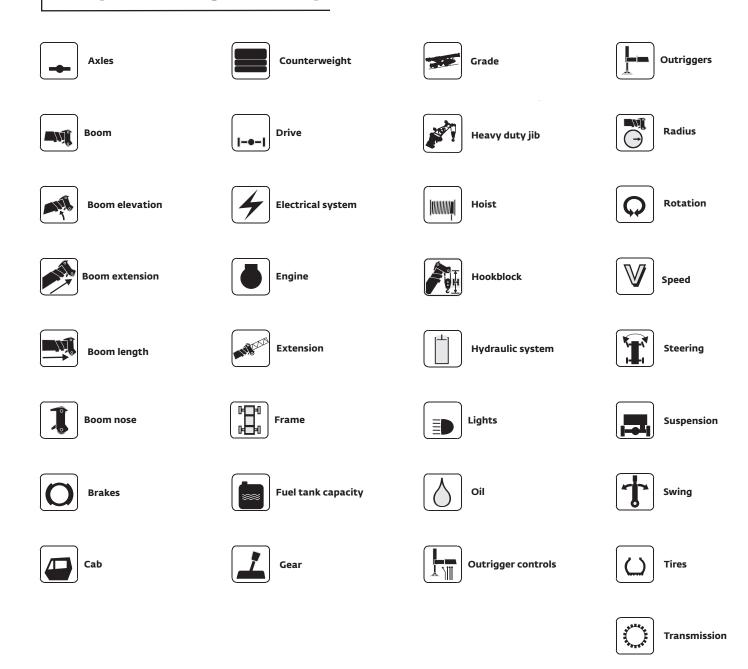
- The rated loads are the maximum lifting capacities as determined by operating radius only. Any combination of boom lengths and angles may be used to obtain operating radius. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.
- 2) The rated loads shown on outriggers do not exceed 80% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous suroundings, climatic conditions, experience of operator and proper training must be taken into account by the operator.
- 3) The weights of all load handling devices, such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered as part of the load. See reduction chart.

- 4) Ratings on outriggers are with outriggers fully extended.
- 5) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (8,3 bar). Loads on rubber may be transported at a maximum speed of 1,4 km/h on a smooth, hard, level surface with the boom retracted to the shortest length possible and centered over the front.
- 6) For operating radius not shown, use load rating of next larger radius.
- The maximum combined total boom and deck load is 7260 kg.
   The maximum deck load only is 9070 kg.
- 8) Do not induce any external side loads to boom or jib.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

# Symbols glossary



## **Notes**

# **Notes**

## **Notes**

Grove YB5515 Dual Fuel 19



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