

3300 Series

product guide



features

- 4 models ...
 - 3330F:** 8.5T (7.7mt) 3-section boom with 25 ft. 2 in. (7.6m) Tip Height
 - 3330FL:** 8.5T (7.7mt) 3-section boom with 33 ft. 6 in. (10.2m) Tip Height
 - 3339:** 9.0T (8.1mt) 3-section boom with 38 ft. 2 in. (11.6m) Tip Height
 - 3340B:** 10.5T (9.5mt) 3-section boom with 38 ft. 2 in. (11.6m) Tip Height
- 6 ft. (1.8m) fixed extension (3330F / FL) and 12 ft. (3.6m) offsettable swingaway extension (3339 & 3340B)
- 70 bhp (52.2 kW) GM EFI dual fuel engine or 99 bhp (73.8 kW) Cummins diesel engine

contents

Features	2
Specifications	3
3330F	
Dimensions	5
Range Diagram	6
Load Chart	7
3330FL	
Dimensions	8
Range Diagram	9
Load Chart	10
3339	
Dimensions	11
Range Diagram	12
Load Chart	13
3340B	
Dimensions	14
Range Diagram	15
Load Chart	16

features

2



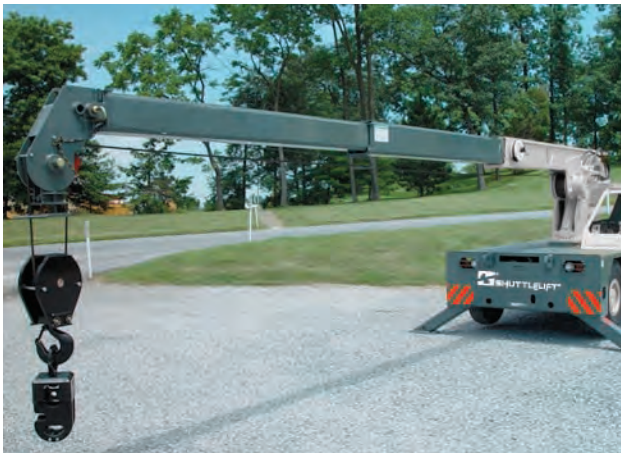
- Single position oblique style outriggers
- Narrow width for inside aisle way usage



Standard: Cummins QSB 3.3L turbo-charged diesel rated @ 99 bhp (73.8kW) @ 2600 rpm.



- Standard:** Open air cab shell w/overhead safety glass
- Optional:** Closed cab with hinged door, heater, and defroster



- Standard:** 21 ft. (6.4m) main boom on the 3330F
30 ft. (9.1m) main boom on the 3330FL
32 ft. 10 in. (10.0m) main boom on the 3339 & 3340B
- Optional:** Manual 4th main boom section adds 10 ft. (3.0m) additional main boom length on 3330F and 3330FL only.



- Standard:** 4-wheel coordinated steer
- Optional:** 2-wheel, 4-wheel, and crab steer (std. on 3339)
- Standard:** 2-wheel, 4-wheel, and crab steer with self alignment (3340B)

Superstructure

Boom

3330F: 9 ft. 8 in. – 21 ft. 2 in. (2.9m – 6.5m) three- section full power boom.

Maximum tip height: 25 ft. 2 in. (7.6m)

3330FL: 12 ft. 8 in. – 30 ft. 2 in. (3.8m – 9.2m) three- section full power boom.

Maximum tip height: 33 ft. 6 in. (10.2m)

3339 & 3340B: 13 ft. 10 in. – 32 ft. 10 in. (4.2m – 10.0m) three- section full power boom.

Maximum tip height: 38 ft. 2 in. (11.6m)

*Optional Boom

3330F & 3330FL: Manual 4th main boom fly section

*Boom Extension

3330F & 3330FL: 6 ft. (1.8m) fixed pin on extension

3339 & 3340B: 12 ft. (3.6m) offsettable extension
12-18 ft. (3.6-5.4m) telescopic offsettable extension

Boom Nose

3330F / FL: Single sheave non-pivoting

3339 & 3340B only: Single sheave, 3-position (0°, + 30°, + 80°) pivoting boom nose for minimizing head space requirements.

Lowers head height 10.5 in. (0.26m) when nose is pivoted fully forward.

Boom Elevation

Single double acting hydraulic cylinder with integral holding valve.

Elevation: 0° to 60° for the 3330F & 3330FL
0° to 72° for the 3339 & 3340B

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

A simple, effective, and easy to use load indicating system used in conjunction with the 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 and warns the operator when a preset load capacity is exceeded. The warning is an audible alarm. In conjunction with the load display panel (receiver), there is a wireless transmitter and load sensing pin attached to the boom head that transmits the hook load to the display panel.

*Rated Capacity Limiter (RCL)

Similar to the Load Indicator, but stops the telescope out and boom lift down function when a load limit is exceeded. Uses a similar display panel with the addition of displaying boom angle and boom length read outs on the panel.

*Load Moment Indicator (LMI)

Digital display of boom angle, boom length, boom radius, capacity, and allows for operator in-put to set the limits based on load chart. Displays color coded light bar and audible alarm with function cutout if load exceeds entered parameters.

Swing

Ball bearing swing circle with 360° continuous rotation. Hydraulic driven worm gear and pinion.

Maximum speed: 2.05 rpm

Hydraulic System

3330F & 3330FL: (2) gear pumps

3339 & 3340B: Variable displacement piston pump and piggyback gear pump.

Combined flow: 28.5gpm (107.9Lpm)

Maximum system operating pressure: 3600 psi

3330F & 3330FL: Six section valve bank mounted in dash panel with direct mechanical linkage for low effort lever control.

3339 & 3340B: Six section valve bank chassis mounted; operated via dash mounted, pilot pressure hydraulic joysticks.

Return line filter with full flow by-pass protection and service indicator.

23.5 gallon (89 L) hydraulic reservoir with sight level gauge and steel side plating to guard against side impact damage.

Hoist Specifications

3330F / FL: Worm drive with counter-balance valving. Equal speed power up and down.

3339 & 3340B: Piston motor drive w/spring applied/hydraulic released brake.

Drum Diameter:

3330F / FL:	9.69 in. (0.24m)
3339 & 3340B:	10.63 in. (0.27m)

Maximum Single Line Pull:

3330F / FL:	10,700lb (4 854kg)
3339 & 3340B:	14,000lb (6 350 kg)

Maximum Single Line Speed:

3330F / FL:	88 FPM (26.8m / min)
3339 & 3340B:	120FPM (36.6m / min)

Maximum Permissible Single Line Pull:

3330F / FL :	8,500lb (3 855 kg)
(1/2" [12.7mm] Python Ultra XIPS)	
3339 & 3340B:	10,000lb (4 536kg)
(9/16" [14.0mm] EEIPS)	

Rope Length :

3330F / FL: (3-section boom)	97 ft. (29.6m)
(4-section boom)	130 ft. (39.6m)
3339 & 3340B:	120 ft. (36.6m)

*Denotes optional equipment

specifications

4

Carrier



Frame

High strength alloy steel constructed with integral outrigger housings; front and rear lifting, towing, and tie-down lugs. 42 ft.² carrydeck size with 14,000 lb (6 350kg) carrying capacity (3330F / FL / 3339) and 17,000 lb (7 711kg) carrying capacity (3340B). Deck coated with anti-skid treatment.



Outriggers

3330F, 3330FL & 3339: Front and rear oblique type beams at all four corners with integral holding valves. Outrigger pads form an integral part of the beam.

3340B: Hydraulic telescoping beam with oblique type jack provides extended and down and retracted and down lifting capacities. Integral holding valves on both beam and jack.



Outrigger Controls

3330F, 3330FL & 3339: Lever controls located on dash panel which operate the beams in pairs from side to side.

3340B: Two switch operation mounted on dash panel. One -3- position rocker switch to select all beams / jacks, left beams / jacks only, or right beams / jacks only. Separate -4- way toggle switch to activate beams out / in and jacks down / up. Level bubble indicator located inside operators compartment.

*Independent outrigger controls available as an option.



Std. Engine (Tier III)

Cummins QSB 3.3L turbo-charged diesel rated @ 99 bhp (73.8kW) @ 2600 rpm.



*Optional Engine

G.M. 3.0L EFI dual fuel (gasoline / L.P.) rated @ 70 bhp (52.2kW) @ 2600 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 and provides warning for A2B and exceeded load capacity.



*Operators Control Station Enclosed

Includes the standard cab shell with the addition of front and rear glass. Hinged full door with sliding glass.

Front windshield wiper and heater and defroster is included.



Fuel Tank Capacity

18.5 gallon (70 L) all steel construction with steel side plate to guard against side impact.



Electrical System

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



Drive

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



Steer

3330F / FL: 2-wheel, 4-wheel steer

3339: 2-wheel, 4-wheel w/crab steer

3340B: 2-wheel, 4-wheel, and crab steer w/ electronic self alignment.



Transmission

3330F / FL & 3339: Clark synchromesh -4- speeds forward and reverse with stalk mounted forward/reverse selector.

3340B: Clark powershift -4- speeds forward and reverse. Stalk mounted shifter on left side of steering column.



Axles

Front: Carraro planetary drive/steer with internal multi-wet-disc brakes and limited slip differential.

Rear: Fabricated non-drive steer with disc brakes



Tires

10.00 x 15 14PR pneumatic



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: Rigid mounted to frame



Lights

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



Maximum Speed

22 MPH (35.6km/h)



Gradeability**

3330F / FL & 3339: 57%....no load

31%....12,000lb (5 443kg) load

3340B: 68%....no load

40%....20,000lb (9 072kg) load

G.V.W.

3330F: 13,400 lb. (6 078 kg)

3330FL: 15,180 lb (6 885 kg)

3339: 15,800 lb (7 167 kg)

3340B: 16,600 lb (7 530 kg)

Miscellaneous Standard Equipment

Single sheave, "Quick Reeve" style hookblock.;

3330F/ FL 8.5T (8.0mt); 3339: 9T (8.1mt); 3340B10.5T (10mt).

Back-up alarm.

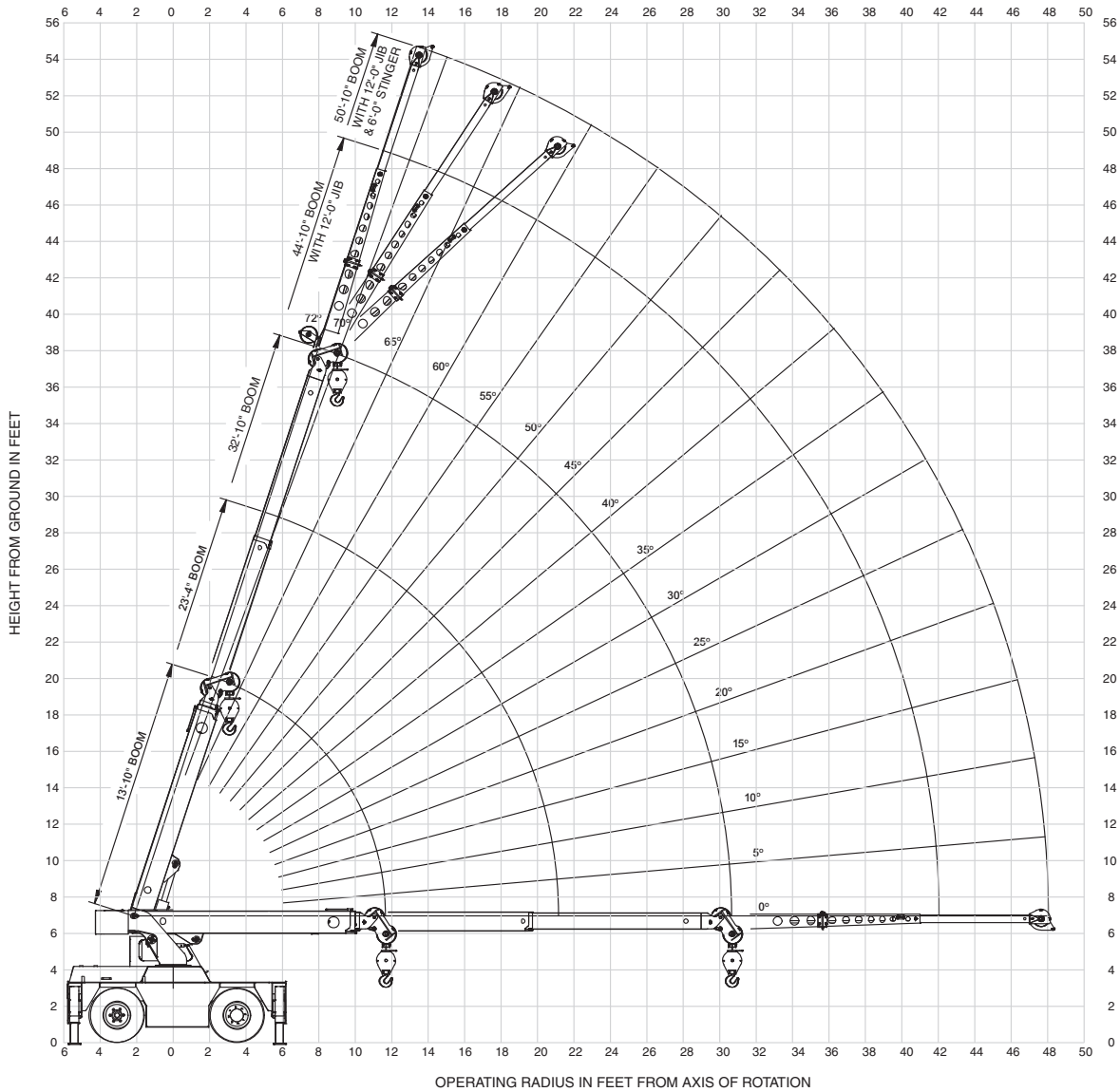
*Denotes optional equipment

**Theoretical

range diagram

3340B

15



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.

load chart

3340B

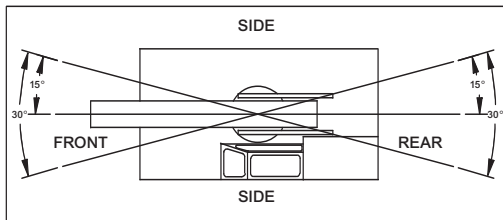
16

	RADIUS (ft)	ON OUTRIGGERS (lbs)				ON RUBBER (lbs)		MAIN BOOM ANGLE (deg)	JIB STRUCTURAL CAPACITIES (lbs)					
		EXTENDED 360° RETRACTED F/R		RETRACTED 360°		F/R	360°		12 FT JIB			18 FT JIB		
		BOOM RETRACTED	BOOM EXTENDED	BOOM RETRACTED	BOOM EXTENDED	ANY BOOM	ANY BOOM		0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET
MAIN BOOM	4.0	21000	15000	21000	15000	11500	11500	72	7500	5100	3500	4000	3300	2300
	5.0	18000	14700	18000	14700	11500	9400	70	7000	4800	3400	3750	3100	2200
	6.0	15700	14400	14400	14400	10000	7800	65	5700	4100	3100	3200	2700	2000
	8.0	12200	12200	9400	9400	8100	5900	60	4500	3500	2800	2800	2400	1850
	10.0	10200	10200	6700	6700	6100	4100	55	3500	3000	2550	2450	2150	1700
	12.0	8400	8400	5000	5000	4600	3000	50	2800	2500	2300	2150	1950	1600
	14.0	-	7100	-	3800	3600	2400	45	2300	2200	2000	1900	1750	1500
	16.0	-	6000	-	3100	2900	2000	40	2000	1900	1800	1700	1600	1400
	18.0	-	5000	-	2600	2400	1600	35	1775	1675	1600	1525	1450	1350
	20.0	-	4300	-	2100	2000	1200	30	1600	1500	1400	1400	1300	1300
	22.0	-	3700	-	1800	1700	1050	25	1450	1400	-	1275	1200	-
	24.0	-	3300	-	1500	1500	950	20	1350	1350	-	1175	1125	-
	26.0	-	2900	-	1300	1300	800	15	1300	1300	-	1100	1100	-
	28.0	-	2600	-	1150	1150	700	10	1275	-	-	1050	-	-
	31.0	-	2300	-	1000	900	500	5	1225	-	-	1025	-	-
	34.0	-	1975	-	850	700	350	0	1200	-	-	1000	-	-
	JIB	36.0	-	1775	-	750	600	275						
38.0		-	1575	-	625	500	200							
40.0		-	1425	-	525	425	125							
42.0		-	1300	-	425	350	75							
44.0		-	1200	-	375	300	0							
46.0		-	1100	-	325	275	0							
48.0		-	1000	-	300	250	0							

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

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

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



REDUCTION CHART		
	FROM MAIN BOOM RATINGS	FROM JIB RATINGS
MAIN BLOCK	140 lbs	N/A
HOOK & BALL	100 lbs	100 lbs
JIB, STOWED	0 lbs	N/A
JIB, DEPLOYED	450 lbs	0 lbs

RIGGING CHART	
1-PART 0-10000 lbs	2-PART 0-21000 lbs
WIRE ROPE: 9/16 inch diameter Min. breaking strength 36750 lbs.	

- The rated loads are the maximum lift capacities as determined by operating radius, boom extension and boom angle. 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.
- 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 surroundings, climatic conditions, experience of personnel and proper training must all 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.
- Ratings on outriggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger setting.
- Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (100 psi). Loads on rubber may be transported at a maximum speed of 2.5 mph on a smooth hard level surface with boom retracted to the shortest length possible and centered over front.
- For operating radius not shown, use load rating of next larger radius.
- The maximum combined total boom and deck load is 12000 lbs. The maximum deck load only is 14000 bs.
- Do not induce any external side loads to boom or jib.

3300 Series

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Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment and price changes without notice. Illustrations shown may include optional equipment and accessories, and may not include all standard equipment.