

# SPECIFICATION SHEET

## BX50 Series *IC Cushion*

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### General

GENERAL	FG20ST-16	FG25ST-16	FG25SHT-16	FG30SHT-16	FG32SHT-16
Power Type	LPG	LPG	LPG	LPG	LPG
Operation Type	Sit-Down	Sit-Down	Sit-Down	Sit-Down	Sit-Down
Capacity @ 24 in. (600mm) Load Center	4,000 lbs	5,000 lbs	5,000 lbs	6,000 lbs	6,500 lbs
Load Distance From Center Axle (2 Stage)	16.9 in	16.9 in	16.9 in	17.3 in	17.3 in
Wheelbase	55.1 in	55.1 in	55.1 in	57.1 in	57.1 in

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### Weight

WEIGHT		FG20ST-16	FG25ST-16	FG25SHT-16	FG30SHT-16	FG32SHT-16
Service Weight		7,300 lbs	8,180 lbs	8,180 lbs	9,440 lbs	9,920 lbs
Axle Loading	Loaded Front	9,820 lbs	11,330 lbs	11,330 lbs	13,260 lbs	14,000 lbs
	Loaded Rear	1,480 lbs	1,850 lbs	1,850 lbs	2,180 lbs	2,430 lbs
	Unloaded Front	2,820 lbs	2,600 lbs	2,600 lbs	2,870 lbs	2,740 lbs
	Unloaded Rear	4,480 lbs	5,580 lbs	5,580 lbs	6,570 lbs	7,180 lbs

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### Tires

TIRES	FG20ST-16	FG25ST-16	FG25SHT-16	FG30SHT-16	FG32SHT-16
Tire Type	Cushion	Cushion	Cushion	Cushion	Cushion

Tire Size	Front	21 x 7 x 15 in	21 x 7 x 15 in	21 x 7 x 15 in	21 x 8 x 15 in	21 x 8 x 15 in
	Rear	16 .25 x 5 x 11.25 in	16 .25 x 5 x 11.25 in	16 .25 x 5 x 11.25 in	16.25 x 6 x 11.25 in	16.25 x 6 x 11.25 in
Number of Wheels, Front/Rear		2x / 2	2x / 2	2x / 2	2x / 2	2x / 2
Tread	Front	34.6 in	34.6 in	34.6 in	35.2 in	35.2 in
	Rear	35.4 in	35.4 in	35.4 in	34.7 in	34.8 in

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## Dimensions

DIMENSIONS		FG20ST-16	FG25ST-16	FG25SHT-16	FG30SHT-16	FG32SHT-16
Tilting Angle, Forward/Backward		6 / 8 deg	6 / 8 deg	6 / 8 deg	6 / 8 deg	6 / 8 deg
Mast Height	Lowered	85.5 in	85.5 in	85.5 in	86.5 in	88.6 in
	Extended	176 in	176 in	176 in	176 in	176 in
Free Lift Height		5.5 in	5.5 in	5.5 in	5.5 in	5.5 in
Maximum Fork Height		128 in	128 in	128 in	128 in	128 in
Height Overhead Guard		80.9 in	80.9 in	80.9 in	80.9 in	80.9 in
Length, with Standard Forks		132.9 in	135.4 in	135.4 in	137.8 in	139.2 in
Length to Fork Face		90.8 in	93.3 in	93.3 in	95.7 in	97.1 in
Overall Width at Drive Tires		42.1 in	42.1 in	42.1 in	43.3 in	43.3 in
Forks, Thickness x Width x Length		1.6 x 3.9 x 42 in	1.6 x 3.9 x 42 in	1.6 x 4 x 42 in	2 x 4 x 42 in	2 x 4 x 42 in
Carriage Width/ITA Class		37 in / II	37 in / II	37 in / II	37 in / III	37 in / III
Ground Clearance, Under Mast		5.5 in	5.5 in	5.5 in	5.5 in	5.5 in

Ground Clearance, Center of Wheelbase	3.9 n	3.9 n	3.9 n	3.9 in	3.9 in
Right Angle Stacking Aisle	92.5 in	94.5 in	94.5 in	98.8 in	100 in
Turning Radius, Outside	75.6 in	77.6 in	77.6 in	81.5 in	82.7 in

## Performance

PERFORMANCE	FG20ST-16	FG25ST-16	FG25SHT-16	FG30SHT-16	FG32SHT-16
Travel Speed, Loaded/Unloaded	10.6 / 10.6 mph	10.6 / 10.6 mph	10.6 / 10.6 mph	10.6 / 10.6 mph	10.6 / 10.6 mph
Lifting Speed, Loaded/Unloaded	120 / 124 fpm	120 / 124 fpm	120 / 124 fpm	104 / 124 fpm	104 / 108 in
Lowering Speed, Loaded/Unloaded	98 / 98 fpm	98 / 98 fpm	98 / 98 fpm	98 / 98 fpm	98 / 98 fpm
Maximum Drawbar Pull, Loaded	4,343 lbs	4,343 lbs	5,513 lbs	5,513 lbs	5,175 in
Maximum Gradeability	36%	30%	39%	31%	28.50%
Service Brake, Operation/Control	Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic	Foot / Hydraulic
Parking Brake, Operation/Control	Hand / Mechanic	Hand / Mechanic	Hand / Mechanic	Hand / Mechanic	Hand / Mechanic
Steering Type	FHPS	FHPS	FHPS	FHPS	FHPS

## Drive

DRIVE	FG20ST-16	FG25ST-16	FG25SHT-16	FG30SHT-16	FG32SHT-16
Engine Manufacturer / Engine Model	GCT / K21	GCT / K21	GCT / K25	GCT / K25	GCT / K25
Rated Output (SAE Net)	56 HP @ 2,700 rpm	56 HP @ 2,700 rpm	60 HP @ 2,700 rpm	60 HP @ 2,700 rpm	60 HP @ 2,700 rpm
Maximum Torque (SAE Net)	119 lb-ft @ 1,600	119 lb-ft @	142 lb-ft @	142 lb-ft @	142 lb-ft @

	rpm	1,600 rpm	1,600 rpm	1,600 rpm	1,600 rpm
# of Cylinders / Displacement	4 / 126 cu in	4 / 126 cu in	4 / 152 cu in	4 / 152 cu in	4 / 152 cu in

Other

OTHER	FG20ST-16	FG25ST-16	FG25SHT-16	FG30SHT-16	FG32SHT-16
Relief Pressure, Maximum	2,650 psi	2,650 psi	2,650 psi	2,650 psi	2,650 psi
Transmission	Powershift	Powershift	Powershift	Powershift	Powershift
Sound Level	82 dB	83 dB	83 dB	83 dB	83 dB