BLUE KNOWS MATERIAL HANDLING

PRINCETON
DELIVERY SYSTEMS®

PRINCETON
DELIVERY SYSTEMS®

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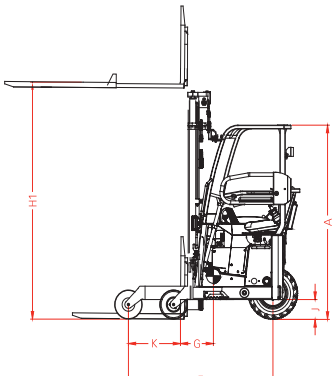
About Us

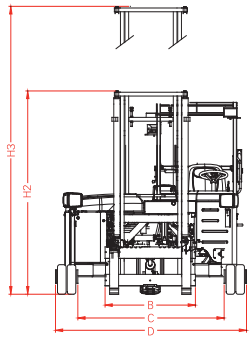
Princeton Delivery Systems is the leading North American manufacturer of truck-mounted forklift products offering the industry's broadest range of two and three-wheel drive smooth and rough terrain products. Princeton designs, manufactures and sells the PiggyBack® brand forklifts through a nationwide network of premier material handling equipment distributors.

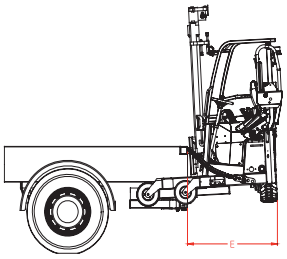
Princeton Manufacturing started production of sod harvesting equipment in 1972 near Columbus, Ohio, and initially focused on the turf industry. In 1979, Princeton developed the first PiggyBack and quickly found use in practical applications such as building materials, agriculture, roofing, lumber and other industrial markets.

For more information, visit www.piggy-back.com or call 1.800.331.5851 today.

Princeton PB36 Technical Specifications







	Model	PB36
	TYPE	STM / TELESCOPIC LEGS
1	CAPACITY @ 24" LOAD CENTER (LEGS RETRACTED)	3600 lbs (2750 lbs)
2	DIESEL ENGINE	25 HP
3	ENGINE EMISSION COMPLIANCE	EPA Tier4 Final
4	MAXIMUM RPM	3000 RPM
5	ELECTRICAL SYSTEM	12 Volt
6	DRIVE WHEELS	1
7	STEERING	Hydrostatic
8	TIRE TYPE	400 x 4 (IND)
		23 x 8.5 - 12 (SS)
9	TIRE OUTSIDE DIAMETER (FRONT/REAR)	11.5" / 23"
10	TIRE WIDTH (FRONT/REAR)	4" / 8.5"
11	MAXIMUM SPEED	7 mph
12	MAXIMUM GRADABILITY	15%
13	TURNING RADIUS	82"
14	UNLADEN WEIGHT	3500 lbs
15	WORKING PRESSURE (ATTACHMENTS)	2500 psi
16	TILT OF MAST (FORWARD/BACKWARD)	8° / 7°
17	SIDESHIFT	5.5"
18	FORK SECTION	6.75 x 2.25 x 42"
19	REACH	30"
A	HEIGHT TO TOP OF CANOPY	81"
B	FORK CARRIAGE WIDTH (CLASS)	47.25" (III)
C	FRAME OPENING	60"
D	OVERALL WIDTH	80"
E	OVERHANG	46"
F	WHEELBASE (EXTENDED/RETRACTED)	63" / 47"
G	CENTER OF GRAVITY (FROM FORK FACE)	17"
H1	LIFT HEIGHT	87"
H2	MAST HEIGHT - COLLAPSED	78"
H3	MAST HEIGHT - RAISED	121"
J	GROUND CLEARANCE	8"
K	FACE OF FORK TO CENTER OF FRONT TIRE (EXT/RET)	23" / 7"
L	ANSI STANDARD	B56.6

The above specifications are not binding upon the manufacturer and may be changed without prior notice.

Weights may vary, depending on tire and/or fork options

For more information, contact your local PiggyBack Dealer

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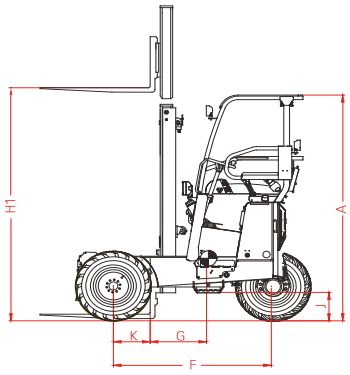
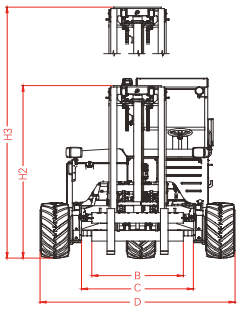
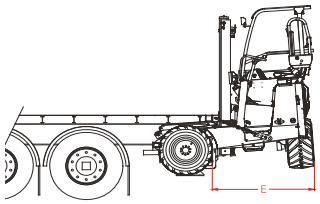
Princeton PB45 Technical Specifications







	Model	PB45
	TYPE	Standard
1	CAPACITY @ 24" LOAD CENTER	4500 lbs
2	DIESEL ENGINE	48 HP
3	ENGINE EMISSION COMPLIANCE	EPA Tier4 Final
4	MAXIMUM RPM	2700 RPM
5	ELECTRICAL SYSTEM	12 Volt
6	DRIVE WHEELS	3
7	STEERING	Hydrostatic
8	TIRE TYPE	29 x 12.5 - 15 8-Ply (TG)
		29 x 12.5 - 15 8-Ply (TG)
9	TIRE OUTSIDE DIAMETER	29"
10	TIRE WIDTH	12.5"
11	MAXIMUM SPEED	7 mph
12	MAXIMUM GRADABILITY	30%
13	TURNING RADIUS	81"
14	UNLADEN WEIGHT	5150 lbs
14a	UNLADEN WEIGHT (OPTIONAL)	5290 lbs
15	WORKING PRESSURE (ATTACHMENTS)	2500 psi
16	TILT OF MAST (FORWARD/BACKWARD)	7° / 6°
17	SIDESHIFT	5"
18	FORK SECTION	45 x 4 x 1.75"
19	MAST CARRIAGE TRAVEL	35.5"
A	HEIGHT TO TOP OF CANOPY	97"
B	FORK CARRIAGE WIDTH (CLASS)	47.25" (II)
C	FRAME OPENING	60.5"
D	OVERALL WIDTH	100"
E	OVERHANG	56"
F	WHEELBASE	68"
G	CENTER OF GRAVITY (FROM FORK FACE)	15.5"
H1	LIFT HEIGHT	120"
H2	MAST HEIGHT - COLLAPSED	97"
H3	MAST HEIGHT - RAISED	156.5"
H1a	LIFT HEIGHT	144"
H2a	MAST HEIGHT - COLLAPSED	109"
H3a	MAST HEIGHT - RAISED	181.5"
J	GROUND CLEARANCE	9.5"
K	FACE OF FORK TO CENTER OF FRONT TIRE	20"
L	ANSI STANDARD	B56.6

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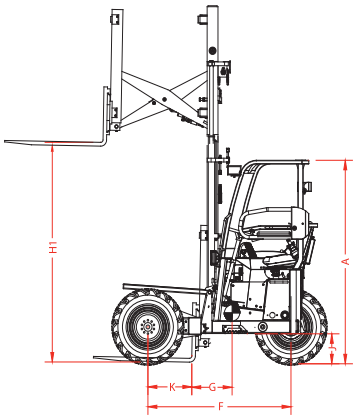
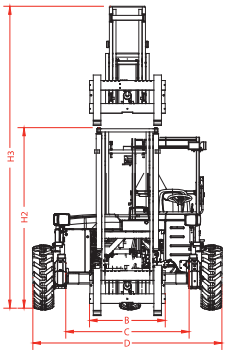
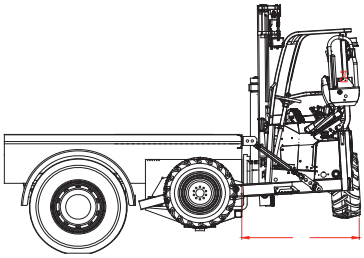
Princeton PB45 STM Technical Specifications







	Model	PB45 STM - Low Profile	PB45 STM
	TYPE	STM	STM
1	CAPACITY @ 24” LOAD CENTER	4500 lbs	4500 lbs
2	DIESEL ENGINE	25 HP	25 HP
3	ENGINE EMISSION COMPLIANCE	EPA Tier4 Final	EPA Tier4 Final
4	MAXIMUM RPM	3000 RPM	3000 RPM
5	ELECTRICAL SYSTEM	12 Volt	12 Volt
6	DRIVE WHEELS	3	3
7	STEERING	Hydrostatic	Hydrostatic
8	TIRE TYPE	26 x 12 - 12 8-Ply (TG)	29 x 12.5 - 15 8-Ply (TG)
		26 x 12 - 12 8-Ply (TG)	29 x 12.5 - 15 8-Ply (TG)
9	TIRE OUTSIDE DIAMETER	26”	29”
10	TIRE WIDTH	12”	12.5”
11	MAXIMUM SPEED	7 mph	7.5 mph
12	MAXIMUM GRADABILITY	30%	30%
13	TURNING RADIUS	77”	77”
14	UNLADEN WEIGHT	4290 lbs	4420 lbs
14a	UNLADEN WEIGHT (OPTIONAL)	N/A	4520 lbs
15	WORKING PRESSURE (ATTACHMENTS)	2500 psi	2500 psi
16	TILT OF MAST (FORWARD/BACKWARD)	8° / 7°	8° / 7°
17	SIDESHIFT	5.5”	5.5”
18	FORK SECTION	48 x 4 x 1.75”	48 x 4 x 1.75”
19	REACH (STM)	39.25”	39.25”
A	HEIGHT TO TOP OF CANOPY	82.5”	84”
B	FORK CARRIAGE WIDTH (CLASS)	47.25” (III)	47.25” (III)
C	FRAME OPENING	63.5”	63.5”
D	OVERALL WIDTH	97.25”	96.5”
E	OVERHANG	52.5”	52.5”
F	WHEELBASE	63.75”	63.75”
G	CENTER OF GRAVITY (FROM FORK FACE)	14.5”	14.5”
H1	LIFT HEIGHT	86.5”	120”
H2	MAST HEIGHT - COLLAPSED	80”	96.5”
H3	MAST HEIGHT - RAISED	144”	178”
H1a	LIFT HEIGHT	N/A	144”
H2a	MAST HEIGHT - COLLAPSED	N/A	107”
H3a	MAST HEIGHT - RAISED	N/A	202”
J	GROUND CLEARANCE	10”	11.5”
K	FACE OF FORK TO CENTER OF FRONT TIRE	19”	19”
L	ANSI STANDARD	B56.6	B56.6

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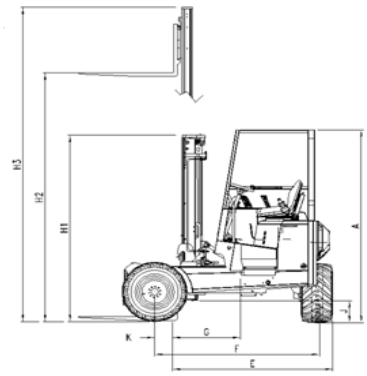
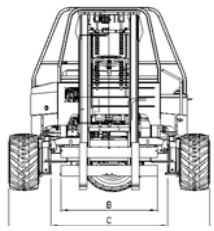
Princeton PB55+ Technical Specifications





	Model	PB55+
	TYPE	Standard
1	CAPACITY @ 24” LOAD CENTER	5500 lbs
2	DIESEL ENGINE	56 HP
3	ENGINE EMISSION COMPLIANCE	EPA Tier4 Final
4	MAXIMUM RPM	2700 RPM
5	ELECTRICAL SYSTEM	12 Volt
6	DRIVE WHEELS	3
7	STEERING	Hydrostatic
8	TIRE TYPE	31 x 15.5 - 15 8-Ply (TG)
		31 x 15.5 - 15 8-Ply (TG)
9	TIRE OUTSIDE DIAMETER	31”
10	TIRE WIDTH	15.5”
11	MAXIMUM SPEED	7 mph
12	MAXIMUM GRADABILITY	30%
13	TURNING RADIUS	86”
14	UNLADEN WEIGHT	6280 lbs
14a	UNLADEN WEIGHT (OPTIONAL)	6400 lbs
15	WORKING PRESSURE (ATTACHMENTS)	2500 psi
16	TILT OF MAST (FORWARD/BACKWARD)	10° / 8°
17	SIDESHIFT	5”
18	FORK SECTION	45 x 4 x 1.75”
19	MAST CARRIAGE TRAVEL	25”
A	HEIGHT TO TOP OF CANOPY	101”
B	FORK CARRIAGE WIDTH (CLASS)	48.25” (II)
C	FRAME OPENING	57.75”
D	OVERALL WIDTH	101”
E	OVERHANG	80”
F	WHEELBASE	77.5”
G	CENTER OF GRAVITY (FROM FORK FACE)	26.5”
H1	LIFT HEIGHT	120”
H2	MAST HEIGHT - COLLAPSED	97.25”
H3	MAST HEIGHT - RAISED	157”
H1a	LIFT HEIGHT	144”
H2a	MAST HEIGHT - COLLAPSED	109.25”
H3a	MAST HEIGHT - RAISED	181”
J	GROUND CLEARANCE	11”
K	FACE OF FORK TO CENTER OF FRONT TIRE	9”
L	ANSI STANDARD	B56.14

The above specifications are not binding upon the manufacturer and may be changed without prior notice.
High Torque Transmission (HTT) option available - increases torque by 30%*
Weights may vary, depending on tire and/or fork options

*HTT equipped models will have a reduced maximum ground speed

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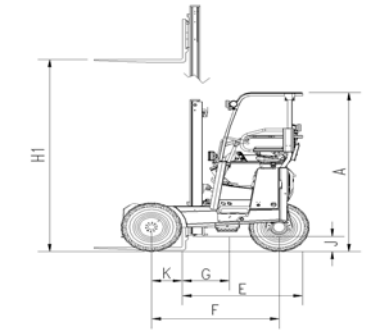
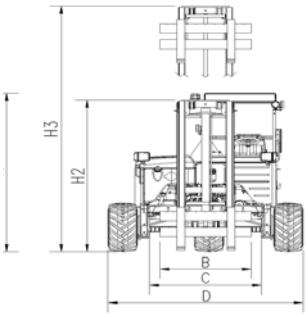
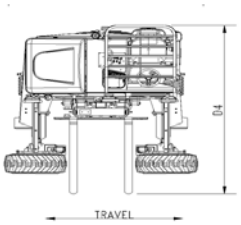
Princeton PB55+ 4-Way Technical Specifications







	Model	PB55+ 4-Way
	TYPE	4-Way
1	CAPACITY @ 24” LOAD CENTER	5500 lbs
2	DIESEL ENGINE	56 HP
3	ENGINE EMISSION COMPLIANCE	EPA Tier4 Final
4	MAXIMUM RPM	2700 RPM
5	ELECTRICAL SYSTEM	12 Volt
6	DRIVE WHEELS	3
7	STEERING	Hydrostatic
8	TIRE TYPE	31 x 13 - 16.5 (SS)
		31 x 15.5 - 15 8-Ply (TG)
9	TIRE OUTSIDE DIAMETER (FRONT/REAR)	31.5”/31”
10	TIRE WIDTH (FRONT/REAR)	13”/15.5”
11	MAXIMUM SPEED	7 mph
12	MAXIMUM GRADABILITY (4-WAY MODE)	30% (15%)
13	TURNING RADIUS	78”
14	UNLADEN WEIGHT	6570 lbs
14a	UNLADEN WEIGHT (OPTIONAL)	7120 lbs
15	WORKING PRESSURE (ATTACHMENTS)	2500 psi
16	TILT OF MAST (FORWARD/BACKWARD)	10° / 8°
17	SIDESHIFT	5”
18	FORK SECTION	48 x 6 x 2”
19	MAST CARRIAGE TRAVEL	31”
A	HEIGHT TO TOP OF CANOPY	103”
B	FORK CARRIAGE WIDTH (CLASS)	48.25” (II)
C	FRAME OPENING	57.75”
D	OVERALL WIDTH (4-WAY MODE)	101.25” (108)
E	OVERHANG	60”
F	WHEELBASE	65.5”
G	CENTER OF GRAVITY (FROM FORK FACE)	17”
H1	LIFT HEIGHT	120”
H2	MAST HEIGHT - COLLAPSED	97.25”
H3	MAST HEIGHT - RAISED	157”
H1a	LIFT HEIGHT	144”
H2a	MAST HEIGHT - COLLAPSED	107.5”
H3a	MAST HEIGHT - RAISED	179.5”
J	GROUND CLEARANCE	8”
K	FACE OF FORK TO CENTER OF FRONT TIRE	15”
L	ANSI STANDARD	B56.14

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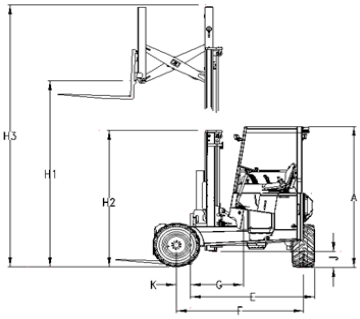
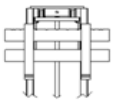
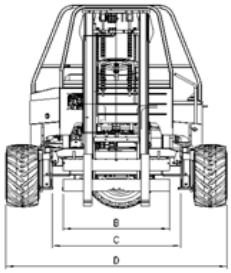
Princeton PB55X+ Technical Specifications







	Model	PB55X+
	TYPE	Pantograph
1	CAPACITY @ 24" LOAD CENTER	5500 lbs
2	DIESEL ENGINE	56 HP
3	ENGINE EMISSION COMPLIANCE	EPA Tier4 Final
4	MAXIMUM RPM	2700 RPM
5	ELECTRICAL SYSTEM	12 Volt
6	DRIVE WHEELS	3
7	STEERING	Hydrostatic
8	TIRE TYPE	31 x 15.5 - 15 12-Ply (RT)
		31 x 15.5 - 15 8-Ply (TG)
9	TIRE OUTSIDE DIAMETER	31"
10	TIRE WIDTH	15.5"
11	MAXIMUM SPEED	7 mph
12	MAXIMUM GRADABILITY	30%
13	TURNING RADIUS	91"
14	UNLADEN WEIGHT	7190 lbs
14a	UNLADEN WEIGHT (OPTIONAL)	7240 lbs
15	WORKING PRESSURE (ATTACHMENTS)	2500 psi
16	TILT OF MAST (FORWARD/BACKWARD)	10° / 8°
17	SIDESHIFT	5"
18	FORK SECTION	48 x 4 x 2"
19	MAST CARRIAGE TRAVEL (REACH)	27" (48")
A	HEIGHT TO TOP OF CANOPY	101"
B	FORK CARRIAGE WIDTH (CLASS)	48.25" (III)
C	FRAME OPENING	57.75"
D	OVERALL WIDTH	101"
E	OVERHANG	86"
F	WHEELBASE	83.5"
G	CENTER OF GRAVITY (FROM FORK FACE)	30"
H1	LIFT HEIGHT	120"
H2	MAST HEIGHT - COLLAPSED	97.25"
H3	MAST HEIGHT - RAISED	185"
H1a	LIFT HEIGHT	144"
H2a	MAST HEIGHT - COLLAPSED	109.25"
H3a	MAST HEIGHT - RAISED	211"
J	GROUND CLEARANCE	11"
K	FACE OF FORK TO CENTER OF FRONT TIRE	9"
L	ANSI STANDARD	B56.14

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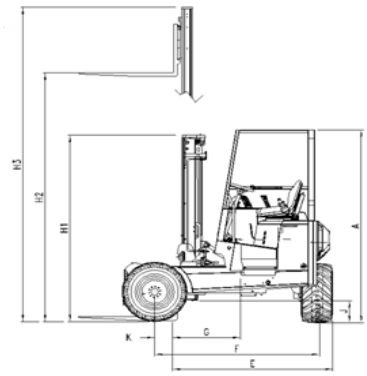
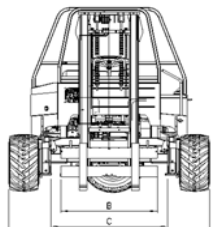
Princeton PB70+ Technical Specifications





	Model	PB70+
	TYPE	Standard
1	CAPACITY @ 24" LOAD CENTER	7000 lbs
2	DIESEL ENGINE	56 HP
3	ENGINE EMISSION COMPLIANCE	EPA Tier4 Final
4	MAXIMUM RPM	2700 RPM
5	ELECTRICAL SYSTEM	12 Volt
6	DRIVE WHEELS	3
7	STEERING	Hydrostatic
8	TIRE TYPE	31 x 15.5 - 15 12-Ply (RT)
		31 x 15.5 - 15 12-Ply (RT)
9	TIRE OUTSIDE DIAMETER	31"
10	TIRE WIDTH	15.5"
11	MAXIMUM SPEED	7 mph
12	MAXIMUM GRADABILITY	30%
13	TURNING RADIUS	91"
14	UNLADEN WEIGHT	6580 lbs
14a	UNLADEN WEIGHT (OPTIONAL)	6700 lbs
15	WORKING PRESSURE (ATTACHMENTS)	2500 psi
16	TILT OF MAST (FORWARD/BACKWARD)	10° / 8°
17	SIDESHIFT	5"
18	FORK SECTION	48 x 6 x 2"
19	MAST CARRIAGE TRAVEL	27"
A	HEIGHT TO TOP OF CANOPY	101"
B	FORK CARRIAGE WIDTH (CLASS)	48.25" (III)
C	FRAME OPENING	57.75"
D	OVERALL WIDTH	101"
E	OVERHANG	80"
F	WHEELBASE	83.5"
G	CENTER OF GRAVITY (FROM FORK FACE)	27"
H1	LIFT HEIGHT	144"
H2	MAST HEIGHT - COLLAPSED	109.25"
H3	MAST HEIGHT - RAISED	181"
H1a	LIFT HEIGHT	N/A
H2a	MAST HEIGHT - COLLAPSED	N/A
H3a	MAST HEIGHT - RAISED	N/A
J	GROUND CLEARANCE	11"
K	FACE OF FORK TO CENTER OF FRONT TIRE	15"
L	ANSI STANDARD	B56.14

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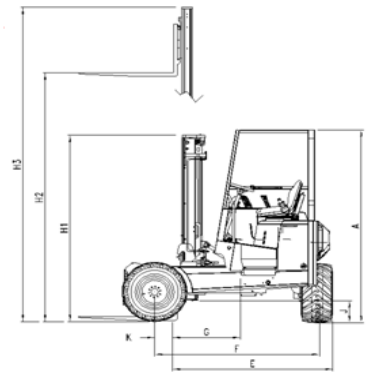
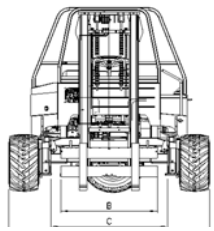
V2017.10.20

Princeton PB80+ Technical Specifications





	Model	PB80+
	TYPE	Standard
1	CAPACITY @ 24” LOAD CENTER	8000 lbs
2	DIESEL ENGINE	56 HP
3	ENGINE EMISSION COMPLIANCE	EPA Tier4 Final
4	MAXIMUM RPM	2700 RPM
5	ELECTRICAL SYSTEM	12 Volt
6	DRIVE WHEELS	3
7	STEERING	Hydrostatic
8	TIRE TYPE	31 x 15.5 - 15 12-Ply (RT)
		31 x 15.5 - 15 12-Ply (RT)
9	TIRE OUTSIDE DIAMETER	31”
10	TIRE WIDTH	15.5”
11	MAXIMUM SPEED	7 mph
12	MAXIMUM GRADABILITY	30%
13	TURNING RADIUS	91”
14	UNLADEN WEIGHT	6970 lbs
14a	UNLADEN WEIGHT (OPTIONAL)	N/A
15	WORKING PRESSURE (ATTACHMENTS)	2500 psi
16	TILT OF MAST (FORWARD/BACKWARD)	10° / 8°
17	SIDESHIFT	5”
18	FORK SECTION	48 x 6 x 2”
19	MAST CARRIAGE TRAVEL	27”
A	HEIGHT TO TOP OF CANOPY	101”
B	FORK CARRIAGE WIDTH (CLASS)	48.25” (III)
C	FRAME OPENING	57.75”
D	OVERALL WIDTH	101”
E	OVERHANG	80”
F	WHEELBASE	83.5”
G	CENTER OF GRAVITY (FROM FORK FACE)	27”
H1	LIFT HEIGHT	144”
H2	MAST HEIGHT - COLLAPSED	109.25”
H3	MAST HEIGHT - RAISED	181”
H1a	LIFT HEIGHT	N/A
H2a	MAST HEIGHT - COLLAPSED	N/A
H3a	MAST HEIGHT - RAISED	N/A
J	GROUND CLEARANCE	11”
K	FACE OF FORK TO CENTER OF FRONT TIRE	9”
L	ANSI STANDARD	B56.14

The above specifications are not binding upon the manufacturer and may be changed without prior notice.

Weights may vary, depending on tire and/or fork options

For more information, contact your local PiggyBack Dealer

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