

**Princeton PiggyBack®**

TRUCK-MOUNTED, ROUGH TERRAIN FORKLIFTS

# PRODUCT GUIDE

Comprehensive Specification Analysis



**PIGGYBACK®**

Call Toll Free: **(800) 331-5851**...or E-mail at: **sales@piggy-back.com**



## PB45

	Features	Options
Load Capacity @ 24" load center	4,500 lb	5,000 lb. (4500 lb.- LP *)
Engine - Diesel	CAT®	
Horsepower	36 HP	
Driven Wheels	3	3
Personnel Alert Package	Yes	Yes (LP)
Deluxe Seat and Steering Wheel	No	Yes (Not available on LP*)
Anti Stall Hydraulic Control	Yes	
Weather Shield	No	Yes (Includes LP)
Tool Box	No	No
Pre-Cleaner	No	
Brakes	Dual, Front	
Tires	29"x12" .5" (pneumatic)	26"x12"x12" (on LP*) (Sand Tire)
Sealed Tires	Yes	
Speed	7 mph	
Gradeability	40%	
Turning Radius	78"	
Lift Height	86"	120"/144" (86" on LP*)
Weight*	5,250 lb	
Tilt Forward/Back	5.5"/7"	
Side Shift	5.5"	
Height, mast lowered	86"	81" (Only on LP*)
Reach	Scissors or Moving Mast	
Hose Rupture Protection	Yes	
Seat Belt Interlock	Yes	
Overhead Guard (FOP/ROP)	Yes	Weather Shield
Protection	Yes	
Support Arms	No	
Mounting System	Easy Hitch®	Moffett Mount
Overall Width	98"	
Cargo Bay Width	62"	
Overall Length	106.5"	
Overhang	61"	65"
Length under Truck	23"	29"
Ground Clearance	11"	8.5" (LP*)
Warranty	1 year	24 /36 months

Special Options and Packages, available

\* Low-Profile Model

Weight, includes mast, forks, full size tires & fluids



## PB50

	Features	Options
Load Capacity @ 24" load center	5,000 lb	5,500 lb.
Engine - Diesel	Kubota®	Kubota®
Horsepower	49 HP @2700 rpm	59 HP @2700 rpm
Driven Wheels	3	
Personnel Alert Package	Yes	
Deluxe Seat and Steering Wheel	No	Yes
Anti Stall Hydraulic Control	Yes	
Weather Shield	No	Yes
Tool Box	No	Yes
Pre-Cleaner	No	Yes
Brakes	Dual, Front	
Tires	31"x15.5"x15" (pneumatic)	Turf/Sand Tire
Sealed Tires	Yes	
Speed	7.5 mph	9 mph
Gradeability	50+%	
Turning Radius	78"	
Lift Height	86"	120"/144"/154"
Weight*	5,900 lb	6025./6160./6650 lb.
Tilt Forward/Back	8°/6°	
Side Shift	6.25"	
Height, mast lowered	100"	101"/110" /118"
Reach	Moving Mast	
Hose Rupture System	Yes	
Seat Belt Interlock	Yes	
Overhead Guard (FOP/ROP)	Yes	Weather Shield
Support Arms	No	Yes
Mounting System	Easy Hitch®	Moffett Mount
Overall Width	101"	
Cargo Bay Width	58.5"	
Overall Length	111" w/o Forks	
Overhang	80"	
Length under Truck	23"	
Ground Clearance	12"	
Warranty	1 year	4/36 months

Special Options and Packages, available

\* Weight, includes mast, forks, full size tires & fluids

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## PB70

	Features	Options
Load Capacity @ 24" load center	7,000 lb	
Engine - Diesel	Kubota® Turbo	
Horsepower	59 HP @2700 rpm	
Driven Wheels	3	
Personnel Alert Package	Yes	
Deluxe Seat and Steering Wheel	Yes	
Anti Stall Hydraulic Control	Yes	
Weather Shield	Yes	
Tool Box	Yes	
Pre-Cleaner	Yes	
Brakes	Dual, Front	
Tires	31"x15.5"x15" (pneumatic)	
Sealed Tires	Yes	
Speed	7.5 mph	
Gradeability	50+%	
Turning Radius	82"	
Lift Height	86"	120"/144"
Weight*	6,860 lb	6,990 lb./7,080 lb.
Tilt Forward/Back	8°/6°	
Side Shift	6.25"	
Height, mast lowered	100"	101"/110"
Reach	Moving Mast	
Hose Rupture System	Yes	
Seat Belt Interlock	Yes	
Overhead Guard (FOP/ROP)	Yes	
Support Arms	No	Yes
Mounting System	Easy Hitch®	Moffett Mount
Overall Width	101"	
Cargo Bay Width	58.5"	
Overall Length	117" w/o Forks	
Overhang	80"	
Length under Truck	28"	
Ground Clearance	12"	
Warranty	1 year	24/36 months

Special Options and Packages, available

\* Weight, includes mast, forks, full size tires & fluids

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## PB80

	Features	Options
Load Capacity @ 24" load center	8,000 lb	
Engine - Diesel	Kubota®	
Horsepower	59 HP @2700 rpm	
Driven Wheels	3	
Personnel Alert Package	Yes	
Deluxe Seat and Steering Wheel	Yes	
Anti Stall Hydraulic Control	Yes	
Weather Shield	Yes	
Tool Box	Yes	
Pre-Cleaner	Yes	
Brakes	Dual, Front	
Tires	31"x15.5"x15" (pneumatic)	
Sealed Tires	Yes	
Speed	7.5 mph	
Gradeability	50+%	
Turning Radius	82"	
Lift Height	86"	120"/144"
Weight*	7,130 lb	7,300 lb./7,420 lb.
Tilt Forward/Back	8°/6°	
Side Shift	6.25"	
Height, mast lowered	100"	101"/110"
Reach	Moving Mast	
Hose Rupture System	Yes	
Seat Belt Interlock	Yes	
Overhead Guard (FOP/ROP)	Yes	
Support Arms	No	Yes
Mounting System	Easy Hitch®	Moffett Mount
Overall Width	101"	
Cargo Bay Width	58.5"	
Overall Length	117" w/o Forks	
Overhang	80"	
Length under Truck	28"	
Ground Clearance	12"	
Warranty	1 year	24/36 months

Special Options and Packages, available

\* Weight, includes mast, forks, full size tires & fluids

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## PBX

	Features	Options
Load Capacity @ 24" load center	5,000 lb	
Engine - Diesel	Kubota®	Kubota® Turbo
Horsepower	49 HP @2700 rpm	59 HP @2700 rpm
Driven Wheels	3	
Personnel Alert Package	Yes	
Deluxe Seat and Steering Wheel	Yes	
Anti Stall Hydraulic Control	Yes	
Weather Shield	Yes	
Tool Box	Yes	
Pre-Cleaner	No	Yes
Brakes	Dual, Front	
Tires	31"x15.5"x15" (pneumatic)	Turf/Sand Tire
Sealed Tires	Yes	
Speed	7.5 mph	9 mph
Gradeability	50+%	
Turning Radius	82"	
Lift Height	86"	120"/144"
Weight*	6,790 lb	6,915 lb. / 7,050 lb
Tilt Forward/Back	8°/6°	
Side Shift	6.25"	
Height, mast lowered	100"	101"/110"
Reach	S.O.L.O.	
Hose Rupture System	Yes	
Seat Belt Interlock	Yes	
Overhead Guard (FOP/ROP)	Yes	
Support Arms	No	Yes
Mounting System	Easy Hitch®	Moffett Mount
Overall Width	101"	
Cargo Bay Width	58.5"	
Overall Length	117" w/o Forks	
Overhang	85"	
Length under Truck	23"	
Ground Clearance	12"	
Warranty	1 year	24/36 months

Special Options and Packages, available

\* Weight, includes mast, forks, full size tires & fluids

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## PBL

	Features	Options
Load Capacity @ 24" load center	5,500 lb	
Engine - Diesel	Kubota® Turbo	
Horsepower	59 HP @2700 rpm	
Driven Wheels	3	
Personnel Alert Package	Yes	
Deluxe Seat and Steering Wheel	Yes	
Anti Stall Hydraulic Control	Yes	
Weather Shield	Yes	
Tool Box	Yes	
Pre-Cleaner	Yes	
Brakes	Dual, Front	
Tires	31"x15.5"x15" (pneumatic)	Turf/Sand Tires
Sealed Tires	Yes	
Speed	7.5 mph	9 mph
Gradeability	50+%	
Turning Radius	82"	
Lift Height	86"	120"/144"
Weight*	6,860 lb	6,945 lb. / 7,080 lb.
Tilt Forward/Back	16°/8°	
Side Shift	6.25"	
Height, mast lowered	100"	101"/110"
Reach	Moving Mast	
Hose Rupture System	Yes	
Seat Belt Interlock	Yes	
Overhead Guard (FOP/ROP)	Yes	
Support Arms	Yes	
Mounting System	Easy Hitch®	Moffett Mount
Overall Width	101"	
Cargo Bay Width	58.5"	
Overall Length	117" w/o Forks	
Overhang	80"	
Length under Truck	28"	
Ground Clearance	12"	
Warranty	1 year	24/36 months

Special Options and Packages, available

\* Weight, includes mast, forks, full size tires & fluids

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D45

	Features	Options
Load Capacity @ 24" load center	4,500 lb	5,500 lb.
Engine - Diesel	Kubota®	Kubota® Turbo
Horsepower	49 HP @2700 rpm	59 HP @2700 rpm
Driven Wheels	2	
Personnel Alert Package	No	Yes
Deluxe Seat and Steering Wheel	No	Yes
Anti Stall Hydraulic Control	No	
Weather Shield	No	Yes
Tool Box	No	Yes
Pre-Cleaner	No	Yes
Brakes	Dual, Front	
Front Tires	31"x15.5"x15" (pneumatic)	Turf/Sand Tire
Rear Tires	18.5"x8.5"x8" (pneumatic)	Filled/Sealed
Sealed Tires	Yes (Front)	Yes (Rear)
Speed	8.8 mph	12 mph
Gradeability	45%	
Turning Radius	76"	
Lift Height	86"	120"/144"
Weight*	5,325 lb	5,460 lb. / 5,550 lb.
Tilt Forward/Back	8°/6°	
Side Shift	No	6.25"
Height, mast lowered	100"	100"/110"
Reach	Moving Mast	
Hose Rupture System	Yes	
Seat Belt Interlock	Yes	
Overhead Guard (FOP/ROP)	Yes	Weather Shield
Support Arms	No	Yes
Mounting System	Easy Hitch®	Moffett Mount
Overall Width	100"	
Cargo Bay Width	58.5"	
Overall Length	104" w/o Forks	
Overhang	76"	
Length under Truck	28"	
Ground Clearance	12"	
Warranty	1 year	24/36 months

Special Options and Packages, available  
\* Weight, includes mast, forks, full size tires & fluids  
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E50

	Features	Options
Load Capacity @ 24" load center	5,000 lb	
Engine - Diesel	Kubota®	
Horsepower	48 HP @2700 rpm	
Driven Wheels	3	
Personnel Alert Package	Yes	
Deluxe Seat and Steering Wheel	Yes	
Anti Stall Hydraulic Control	Yes	
Weather Shield	Yes	
Tool Box	No	Yes
Pre-Cleaner	No	Yes
Brakes	Yes (rear)	
Front Tires	31"x10"x16.5" (pneumatic)	Turf/Sand Tire
Rear Tires	31"x15.5"x15" (pneumatic)	Turf/Sand Tire
Sealed Tires	No	Yes
Speed	5.6 mph	
Gradeability	45%	
Turning Radius	90"	
Lift Height	86"	120"/138"
Weight*	5,400 lb	5,500 lb. / 5,650 lb
Tilt Forward/Back	7.5°/6.5°	
Side Shift	6.5"	
Height, mast lowered	96"	101"/110"
Reach	Scissors Reach	
Hose Rupture System	Yes	
Seat Belt Interlock	Yes	
Overhead Guard (FOP/ROP)	Yes	
Support Arms	No	Yes
Mounting System	Easy Mount/Easy-Hitch®/Moffett Mount	
Overall Width	101"	
Cargo Bay Width	59"	
Overall Length	108" w/o Forks	
Overhang	72"	
Length under Truck	34"	
Ground Clearance	12"	
Warranty	1 year	24/36 months

Special Options and Packages, available  
\* Weight, includes mast, forks, full size tires & fluids  
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## E50-S

	Features	Options
Load Capacity @ 24" load center	5,000 lb	
Engine - Diesel	Kubota®	
Horsepower	48 HP @2700 rpm	
Driven Wheels	3	
Personnel Alert Package	Yes	
Deluxe Seat and Steering Wheel	Yes	
Anti Stall Hydraulic Control	Yes	
Weather Shield	Yes	
Tool Box	No	Yes
Pre-Cleaner	Yes	
Brakes	Yes (rear)	
Front Tires	31"x10"x16.5" (pneumatic)	Turf/Sand
Rear Tires	31"x15.5"x15" (pneumatic)	Turf/Sand
Sealed Tires	No	Yes
Speed	7.5 mph	
Gradeability	45% (Std Direction)	30% (4-Way Direction)
Turning Radius	90" (Regular)	63" (4-Way)
Lift Height	138"	120"
Weight*	6,215 lb	6,065 lb.
Tilt Forward/Back	7.5°/6.5°	
Side Shift	6.5"	
Height, mast lowered	108"	101"
Reach	Scissors Reach	
Hose Rupture System	Yes	
Seat Belt Interlock	Yes	
Overhead Guard (FOP/ROP)	Yes	
Support Arms	Yes	
Mounting System	Easy Hitch®/Easy Mount/Moffett Mount	
Overall Width	100"	
Cargo Bay Width	63"	
Overall Length	106" w/o Forks (Regular)	101" w/o Forks (4-Way)
Overhang	72"	
Length under Truck	30"	
Ground Clearance	12"	
Warranty	1 year	24/36 months

Special Options and Packages, available

\* Weight, includes mast, forks, full size tires & fluids

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## Z1

	Features	Options
Load Capacity @ 24" load center	3,300 lb	
Engine - Diesel	Kubota®	
Horsepower	25 HP @2700 rpm	
Driven Wheels	1	3
Personnel Alert Package	No	Yes
Deluxe Seat and Steering Wheel	Yes	
Anti Stall Hydraulic Control	No	
Weather Shield	Yes	
Tool Box	No	Yes
Pre-Cleaner	No	Yes
Brakes	Yes (rear)	
Front Tires	16"x 6" (Solid)	15"x 4" (Solid) 23"x 8.5" (pneumatic) (3-wd)
Rear Tires	23" x 8.5" (pneumatic)	
Sealed Tires	No	
Speed	6 mph	
Gradeability	30%	
Turning Radius	75"	
Lift Height	86"	118"
Weight*	3,400 lb	3,550 lb.
Tilt Forward/Back	6°/5°	
Side Shift	8"	
Height, mast lowered	79"	94"
Reach	Reach Forks	
Hose Rupture System	Yes	
Fork Length	47"	39"
Seat Belt Interlock	Yes	
Overhead Guard (FOP)	Yes	
Wheel Arms	Retracting	Folding (3-wd**)
Mounting System	Easy Mount	
Overall Width	64"	
Cargo Bay Width	55"	
Overall Length	93.5" w/o Forks	
Overhang	50"	
Length under Truck	8"-30" (retracting)	
Ground Clearance	8"	
Warranty	1 year	24/36 months

Special Options and Packages, available

Weight, includes mast, forks, full size tires & fluids

\*\*1-wd has retracting option. 3-wd has folding option.

\*\*\*Reach forks are 2.25"H x 6.75"W and come in various lengths.

Courtesy of CraneMarket.com