

Minimum Specifications for One (1) Forklift
State of Hawaii
Hawaii State Public Library System - Logistic Support Section
HSPLS-15-09
June 5, 2015

MODEL YEAR	2014 or newer
MAST SPECIFICATIONS – MINIMUM	
Mast, Two stage mast	
Maximum fork height (w/ LBR)	180 inches
Overall height lowered (max.)	86 inches
Full Free lift (minimum)	60 inches
Tilt angle (backward/forward)	6/6 degrees
Rated capacity @ 24" load center	3500 lbs.
MAIN TRUCK SPECIFICATIONS- MINIMUM	
Rated load capacity	3500 lbs.
Load center distance	24 inches
Power type	Liquid propane (LP)
Operator orientation	Sitting
Seat	Full suspension w/ operator
	Restraint system
Load side shifter	Standard
Headlights	Overhead guard (OHG) mounted
Mirrors	2 rearview, OHG mounted
Safety features	Strobe light; back-up alarm; horn
DIMENSIONS- MINIMUM	
Tire type, front & rear	Solid-pneumatic
Wheels	
Front	2 (drive wheels)
Rear	2
Fork thickness and width	2 x 5 inches
Fork length	42 inches
Overall dimensions length (to face of forks)	105 inches
Width (standard tires)	49 inches
Mast lowered (max. height)	85 inches
Height – top of OHG	85 inches
Width – standard carriage	40 inches
Grade clearance	
Ramp breakover angle	tan (%) 49
Departure angle	tan (%) 43
Approach angle	tan (%) 41
Turning radius	90 inches

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PERFORMANCE – MINIMUM

Speeds	
Travel – forward or reverse	11 mph
Lift – full/empty	104/114 fps
Lowering – full/empty	98 fps
Gradeability (1.2 mph)	
Full/empty	tan (%) 26 / 21

CHASSIS & WHEELS – MINIMUM

Tire size (Solid Pneumatic)	
Front, inches	(vendor provided info)
Rear, inches	(vendor provided info)
Wheelbase (max.)	67 inches
Ground clearance	
Under mast (max.)	5.0 inches
Under power unit (max.)	6.0 inches
Under frame (WB center) (max.)	7.0 inches
Service brake, type	Drum and shoe
Parking brake, type	Foot (hand brake acceptable)

DRIVE LINE – MINIMUM

Steering type	Full hydraulic
Rated output SAE gross	59 hp @ 2570 rpm (or equivalent)
Rated torque SAE gross	122 ft-lb @ 2570 rpm (or equivalent)
Displacement	136 cubic inches (or equivalent)
Transmission type	Automatic

WARRANTY PRODUCT

Machine	One year
Engine	Two years

SAFETY REQUIREMENTS:

The equipment offered shall meet all applicable Federal, State of Hawaii and County of Honolulu safety requirements.

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MANUALS:

- One (1) Operator & maintenance manual
- One (1) Parts drawings
- One (1) Parts list Manual
- One (1) Service manual.

Note: If any of the listed items are combined into one manual, one copy will be acceptable.

DEMONSTRATION:

Contractor shall provide one (1) hour minimum training on the proper operation and maintenance of the equipment for the Logistic Support Services section at a mutually agreed date and time by a qualified factory representative.

The scheduling and coordination of instruction and demonstration shall be made with Jon Takaki, Logistic Support Section manager.

DELIVERY DATE:

90 calendar days

End- minimum specifications