

STRONG PARTNERS. TOUGH TRUCKS.™















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# **EMPTY CONTAINER HANDLER**



# Hyster™ H400-500HD-EC Features and Equipment

Since 1997, Hyster Company has been a leader in the empty container handling industry. To remain a top competitor, Hyster™ is now offering four new models and two wheel bases. The models in our empty handler family are: H400HD-EC5/6, H440HDS-EC6/7, H450HD-EC6/7 and the H500HD-EC6/7. These models are the new pace setters in the empty container handling industry.

A maximum performance machine can only be manufactured by using the best of the best. That is why Hyster has teamed up with other top performers, such as Cummins, Spicer Off-Highway, Parker, and Elme. Together, they have produced a machine that is unmatched in the empty container industry.

When you enter into the cab of the H400HD-H500HD-EC and close the door, this is your space. The ComforCab II™ offered on this series is the same proven cab fitted on the all other "HD" models offered by Hyster. The ergonomic design of the cab and controls reduces operator fatigue and delivers improved productivity.

#### Frame

- One piece welded construction, made from high strength steel
  - Reduction in frame stress, while handling greater dynamic container loads
  - · Tested by two methods FEA and strain strain gauge
- Bolted on components
- Two chassis are available 157.5" and 177" wheel bases

#### **Operator's Cabin**

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- · Cab is mounted to the rear of the chassis for optimum visibility when stacking 6 high 9'6" and 7 high 8' 6" containers
- · Cab tilts to the rear for ease of serviceability actuated manually (standard) or powered
- · Cab is designed to exceed all applicable regulations
- Enhanced visibility via large glassed area
- Overhead guard has strategically arranged flat bars to enable the operator to easily view over head with no visual obstructions
- · Ergonomically designed console houses the instrumentation and electronics offering the operator a "soft touch"
- · Location of multi-function display panel allows easy reading of all gauges and instruments which monitor the truck's performance
- High capacity heater system and multiple vents provide excellent heating and cooling when combined with the factory installed air-conditioning system
- · Filtered operator's compartment enables the operator to work in a fresh air environment
- Operator compartment features a spacious environment with a 7-way adjustable suspension seat with integrated armrest and low effort controls, 4-way adjustable steering wheel, and power assisted steering and brakes
- · Wide angle side view mirrors for excellent rearward visibility
- Cab positioned on large anti-vibration mounts to reduce shock, noise and vibration
- · Rubber floor mats provide a soft feel for the operator
- Doors are single piece steel frame with tempered glass
- Handrails are provided for (3) point access and egress
- Noise in cab is a low 72db(A)





# Hyster<sup>™</sup> H400-500HD-EC Features and Equipment



#### Engine

- · Cummins QSB6.7 tier III, turbo charged with a charged air cooler
- 6 cylinders, 6.7 liters, and 230 hp at 1800rpm
- Less complex engine with fewer parts
- Lower RPM helps reduce noise
- Bosch, mechanical fuel system with a rotary fuel pump
- 2 valve cylinder head
- An engine grid heater is automatically activated when starting in temperatures of 10 degrees or less
- 500 hour oil and filter maintenance
- Engine diagnostics are provided to assist in serviceability
- Engine protection system activated by:
  - Coolant temperature
  - Air intake temperature
  - Oil pressure

# Transmission

- Dana Spicer Off-Highway (S.O.H) power shift
- TE-17 rated for 215-270 hp engine
- 3-speed forward and 3 speed reverse
  - Soft shift for down shifting and reversal
  - Inching by solenoid clutch
  - Auto-shift
  - "Userlink" diagnostic software available through aftermarket
  - APC 200 controller
- Torque converter with 2.29:1 stall ratio matches engine to transmission for exceptional traction
- Separate hydraulic system from the main truck
- · Has large sump pump and an externally mounted spin-on filter



## Steering System

- Hydrostatic for precise control
  - Priority control valve for steer axle allows on demand steering
- Danfoss OSPC500 dynamic load sensing device provides low effort steering
- Steering wheel is infinitely adjustable
- Steer axle is a welded sandwich construction with a transverse mounted double acting cylinder, non adjustable tie rods, and incorporates taper roller bearings
- Steer axle is mounted to the chassis via robust pin and no rubber isolators
- Regular lubrication is only required on the spindle and tie rods at 500-hour intervals

# Drive Axle

- Axle Tech PRC-1756
- · Wide drive axle increases the overall lateral stability
- · Wet disc wheel speed brakes
  - Eliminate occasional brake noise
  - Eliminate roll-back
  - Increases torque rating of the wheel end gears by 10% over shaft speed design
- 14.17" diameter wet disc brakes, ensure compliance with ISO and ANSI standards
- Spring applied, hydraulically released dry disc park brake
- Increased drive axle capacity
- Axle magnets to reduce oil pollution
- Separate oil cooler is used in conjunction with oil temperature sensors on each side to provide early indication of excessive oil temperatures

## Wet Brake System

- Fully hydraulic actuated for low effort control
- Oil-cooled disc brakes via separate cooler
- Hydraulic fluid filtered as it returns to the tank
- Dry disc park brake is located on the drive shaft

# Hyster™ H400-500HD-EC Features and Equipment

## **Controls and Instruments**

- · Multi-function display console located to the right of the operator
- Warning lights, gauges, and LCD located on display, provides machine status
- Warning light cluster is mounted in the steering column and will illuminate to inform operator to view the display console
- Switches are mounted on the right armrest and console
- · Standard lever or optional joystick is available

# Hydraulic System

- Routing of hydraulic plumbing has been simplified for ease of service and to reduce heat build up and chaffing
- "Leak Free" O-ring Face Seal fittings are used throughout
- Tandem pump (main pump) contains a section for the lift system and a separate section for the steering, tilt, and auxiliary systems
- · Proportional control valve provide fine tune metering of functions
- Main control valve features:
  - Metering notches in spool allow control of oil flow during hoist and tilt functions provide load protection
- · Hoist accumulator is standard

#### Tilt Control Valve

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- Anti-cavitation tilt control valves are plumbed at the tilt cylinder ports to keep upright from moving forward while engine is not
- running, improve upright control during forward tilting, and blocks the flow of hydraulic oil to all tilt cylinder ports, while eliminating fluid transfer between cylinders



## Hydraulic Tank

- 105 gallon tank, with 80 usable gallons, bolted to the right side on frame
- Oil level can easily be checked by 2 ways:
  - Dipstick located on top of the hydraulic filter head
  - Sight glass mounted on the side of the tank
- Both steering and main hydraulic system oil is filtered as it returns to the tank
- Tank breather has a filter outside of operator compartment to prevent fumes

## Hydraulic Filter

- · Replaceable filter located in hydraulic tank
  - 10-micron paper element
  - · By-pass relief valve to provide oil flow in event of clogged filter
  - All oil added to system passes through filter

## Electrical System

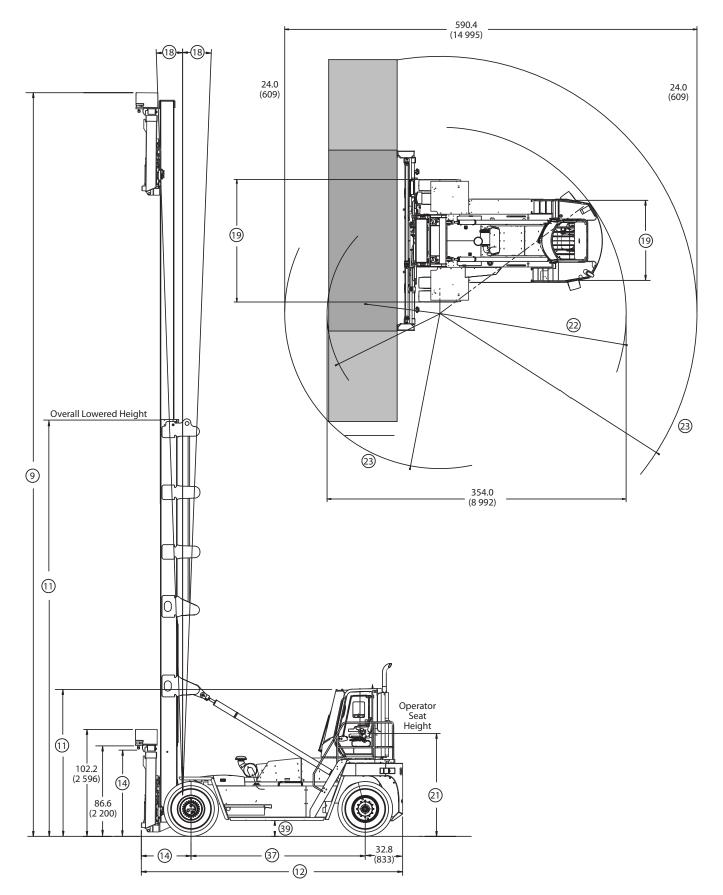
- Sealed water tight Deutsch connectors are used through out
- · Wires are single colored and numbered every inch for ease of tracing
- 70 amp Delco alternator, 24V system
- Wired to meet UL 558 requirements
- (2) 12V 900A cold cranking amp batteries

#### Spreader

- ELME 586 spreader is a dedicated, low-mounted, telescopic beam that affords operators excellent visibility for consistent stacking of 9'6", 20'-40' containter.
- This empty container handler series can handle any size container that meets the container industry ISO standards as well as US domestic containers
- Exclusive ELME design of nested extension beams ensure maximum resistance to vertical and lateral forces and also maximizes forward visibility at elevated heights. A pair of wide-beam work lights facilitate better visibility in low light.
- ELME 586 spreader features solenoid valves for all hydraulic functions: extension, retraction, locking and unlocking
- Specially shaped 'bumpers' guide the spreader heads into a container's corner castings, facilitating easier seating for both hydraulically operated vertical twistlocks
- The combined capabilities of sideshift, 48.0" in total movement, and mechanical pile slope reduce the handling of containers for quicker, more precise placement of empty containers
- To help ensure proper positioning of twistlocks prior to turning, 3 indicator lights monitor the "locked", "unlocked" and "seated" position of both twistlocks
- Optional ELME 582 double horizontal twist locks



# Hyster™ H400-500HD-EC Lift Truck Specifications



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# Hyster™ H400-450HD-EC5/6 Lift Truck Specifications

	1	Manager		United Comments	Ubushan Quantum and
	1	Manufacturer Model		Hyster Company H400HD-EC5	Hyster Company H450HDS-EC6
	2		lb (lca)		
Ļ	3	Capacity, RL w/ 372 mast, attachment, stacking 5 high Capacity, RL w/ 424 mast, attachment, stacking 6 high	lb. (kg)	15,400 (6 985)	15,400 (6 985)
GENERAL	4	Distance, face of mast to load center of attachment	lb. (kg)	67.6 (1 717)	67.6 (1 717)
NE	· ·		in. (mm)	Cummins Turbo Diesel	Cummins Turbo Diesel
GE	5	Power type Fuel capacity	gal. (liters)	84 (318)	84 (318)
			-		
	7	Tire type, front / rear	drive / steer	Pneumatic	Pneumatic
	8	Wheels, front / rear (X=driven)	drive / steer	4X / 2	4X / 2
	9	Mast height, VISTA 2-stage (LFL), extended - top of attachment	in. (mm)	641 (16 281)	743 (18 872)
	10	Attachment, distance from ground @ twistlocks, min/max	in. (mm)	87.9 (2 232) / 633.4 (16 088)	87.9 (2 232) / 735.4 (18 679)
		Height, standard mast lowered / top of cab	in. (mm)	372 (9 448) / 150 (3 810)	424 (10 790) / 150 (3 810)
		Overall length of truck	in. (mm)	241 (6 121)	241 (6 121)
	13	Distance, centerline dirve axle to center of load	in. (mm)	103 (2 616)	103 (2 616)
NS	14	Load face length, (centerline of drive axle to face of attachment)	in. (mm)	55 (1 397)	55 (1 397)
310	15	Width of attachment, retracted / extended	in. (mm)	238.3 (6 053) / 479.7 (12 185)	238.3 (6 053) / 479.7 (12 185)
ĒN	17	Side shift, movement one direction / total movement	in. (mm)	23.6 (600) / 47.2 (1 200)	23.6 (600) / 47.2 (1 200)
DIMENSIONS	18		Degrees	4/4	4/4
	19	Overall width, drive / steer axle	in. (mm)	162 (4 115) / 111.9 (2 842)	162 (4 115) / 111.9 (2 842)
		Operator s cab position		Mid-High Rear	Mid-High Rear
		Height of operator s seat	in. (mm)	103.5 (2 629)	103.5 (2 629)
	22	Turning radius, inner / outer	in. (mm)	91 (2 311) / 335 (8 504)	91 (2 311) / 335 (8 504)
	23	Aisle for 90 degree stacking, plus 24.0 safety margin, 20 / 40	in. (mm)	367 (9 322) / 535 (13 589)	367 (9 322) / 535 (13 589)
	25	Travel speed, maximum - forward with RL	mph (km/h)	16 (25.7)	16 (25.7)
ш	25	Lift speed, standard mast NL / RL	ft/min (m/s)	110 (.56) / 102 (.52)	110 (.56) / 102 (.52)
PERFORMANCE	27	Lowering speed, standard mast NL / RL	ft/min (m/s)	93 (.47) / 97 (.49)	93 (.47) / 97 (.49)
MA		Drawbar pull, 3-speed auto-shift @ 0 / 1.0 mph - RL	lbs-f (KN¥m)	36,650 (49.7)	36,650 (49.7)
DRI	29		%	44	44
RF	30	Gradeability, continuously @ 1.0 mph - RL	%	23	23
ΡE	31	Attachment telescoping time, extending / retracting	seconds	6.7	6.7
F	32	Total approximate weight, unladen	lb. (kg)	72,756 (33 001)	74,569 (33 824)
WEIGHT	33		lb. (kg)	12,346 (5 600)	12,346 (5 600)
ME	34 35	Axle loading, drive / steer NL Axle loading, drive / steer RL	lb. (kg)	49,112 (22 277) / 23,645 (10 725) 74,622 (33 848) / 13,570 (6 155)	51,239 (23 246) / 23,329 (10 582) 76,747 (34 812) / 13,254 (6 012)
	30	Axie loadility, drive / steel KL	lb. (kg)	74,022 (55 646) / 15,570 (6 155)	70,747 (34 612)7 13,234 (0 012)
	36	Tires, size, drive / steer	in.	14 x 24 - Radial	14 x 24 - Radial
ES	37	Wheelbase	in. (mm)	157.5 (4 000)	157.5 (4 000)
TIRES	38	Tread, center of wheels, drive / steer	in. (mm)	129.4 (3 287) / 92.8 (2 357)	129.4 (3 287) / 92.8 (2 357)
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	39	Ground clearance, center wheelbase / lowest point RL	in. (mm)	14.0 (356) / 11.8 (300)	14.0 (356) / 11.8 (300)
ELS	40	Service brakes, type	in. (mm)	Wet Disc Brakes	Wet Disc Brakes
Ш	41	Service brakes, type - line / actuation		Hydraulic	Hydraulic
WHE	42	Parking brake, type - line / actuation		Spring Applied / Hydraulic Release	Spring Applied / Hydraulic Release
	43	Steering system, rear steer wheels		Hydrostatic	Hydrostatic
	44	Power unit, internal combustion engine		Cummins Turbo Diesel QSB 6.7	Cummins Turbo Diesel QSB 6.7
N	44	Power unit, Internal compusition engine Power unit, horsepower rating @ governed rpm	hp @ rpm	220 @ 2000	220 @ 2000
SSI	46	Power unit, peak horsepower @ governed rpm	hp @ rpm	230 @ 1800	230 @ 1800
Ĭ	47	Power unit, peak torque @ engine rated speed	ft.lbs. @ rpm	692 @ 1400	692 @ 1400
INS	48	Power unit, number of cylinders / displacement	cu.in. (I)	Turbo Diesel - 6 / 409 (6.7)	Turbo Diesel - 6 / 409 (6.7)
LRA	49	Power unit, fuel consumption (average)	gal/hr (l/hr)	3.7 (14)	3.7 (14)
8	50	Battery, voltage / cold craking amps	V / Amps	24V / 900CCA	24V / 900CCA
Ę	51	Drive axle		Planetary Reduction	Planetary Reduction
٦ ۲	52	Clutch, type		Torque Converter	Torque Converter
/ER	53	Gear change type (Automatic - Powershift)		Column-Mounted Lever	Column-Mounted Lever
POWER UNIT & TRANSMISSION	54	Number of gears, forward / reverse		3/3	3/3
<u>а</u>	55	Transmission type		Auto-Powershift	Auto-Powershift
					•

CERTIFICATION: These Hyster lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.
 NOTE: Performance specifications/ratings are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and you should discuss the proposed application with your authorized Hyster Dealer.

# Hyster™ H450-500HD-EC6 Lift Truck Specifications

I. Munutacizer         Hyder Company         Hyder Company         Hyder Company           2         Model         Hyder Company         Hyder Company         Hyder Company           2         Capacity, Rf. will 37 mest, alachment, stacking 5 high         b, dop					
Bits         Capacity, Riv 472 masi, attachment, stacking 5 high         b, (a)         Image: Capacity, Riv 472 masi, attachment, stacking 5 high         b, (a)         Image: Capacity, Riv 472 masi, attachment, stacking 5 high         b, (a)         Image: Capacity, Riv 472 masi, attachment, stacking 5 high         b, (a)         Image: Capacity, Riv 472 masi, attachment, stacking 5 high         b, (a)         Image: Capacity, Riv 472 masi, attachment, Riv 470 masi, Riv 470 m	1				
Bit State         Capacity, RL, wit A2 must, attachment, Stacking 6 hgn         10, (vp)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1.717)         0.67, (1				H450HD-EC6	H500HD-EC6
Bit Stands, Base of must to lad center of attachment         in, fmm         676 (1717)         677 (1717)           Bit Debance, Base of must to lad center of attachment         in, fmm         676 (1717)         677 (1717)           Bit Debance, Base of must to lad center of attachment         in, fmm         84 (1318)         84 (1316)           P There type, fort / rear (Xerthem)         dhe / steer         Proumatic         Proumatic           In Machine, Indication of the steer         AX / 2         AX / 2         AX / 2           Mash height, MSTA 2 stage (LFL), extended - top attachment         in, fmm         743 (188 872)         743 (188 872)           In Height, Standard mast lowered / top of ab         in, fmm         743 (188 72)         743 (188 72)         743 (188 72)           In Height, Standard mast lowered / top of ab         in, fmm         074 (2217)         724 (161 72)         724 (161 72)           In Height, Issandard mast lowered / top of ab         in, fmm         032 (210)         233 (503) / 479 / (12 180)         233 (503) / 479 / (12 180)           In Construct (Mith the Steer ab         in, fmm         103 (2 c410)         103 (2 c410)         103 (2 c37)           In Step in Ordin, there steer ab         in, fmm         103 (2 c627)         103 (2 c37)         103 (2 c37)           In Step in Ordin, there steer ab         in, fm		Capacity, RL w/ 372 mast, attachment, stacking 5 high			
bit         bit <td>(Al</td> <td></td> <td>lb. (kg)</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>	(Al		lb. (kg)	· · · · · · · · · · · · · · · · · · ·	
bit         Intel capacity         gal. (liters)         B4 (318)         B4 (318)           1         The type, food / rare         dive / steer         Pneumatic         Pneumatic           1         The type, food / rare         dive / steer         AX / 2         AX / 2           1         Must height, VISTA 2 stage (EL), extended - top of attachment         n. (nm)         742 (18 872)         743 (18 872)           1         Must height, USTA 2 stage (EL), extended - top of attachment         n. (nm)         742 (12 32) / 745 (18 679)         879 (2 32) / 745 (18 679)           10         Autochment, distance timo quoid @ twistlocks, minimax         n. (nm)         244 (6 170) / 150 (2 810)         424 (6 170)           12         Overall and toring. (storing in dive axis to center of load         n. (nm)         103 (2 616)         103 (2 616)           13         Biblishot, four visions and to center of load         n. (nm)         233 (0 03) / 479 (1 20 0)         238 (0 03) / 479 (1 20 0)         238 (0 03) / 479 (1 20 0)           14         Overall averall with, dive visions and to center of load         n. (nm)         103 (2 615)         102 (2 115) (111 10 / 111 / 2 812)           15         Overall averall averall         Degrees         4 / 13         4 / 3         4 / 3           15         Overall averal averall         Sepeed			in. (mm)		
bit         Fund capacity         gad.(bites)         84 (318)         84 (318)           1         The type, front / rear         dthe / steer         Pneumatic         Pneumatic           1         The type, front / rear         dthe / steer         4X / 2         4X / 2           1         Match-met, distance from quood @ Musicolos, minhax in . (mm)         74 (2 233) / 735 (16 679)         87 / 92 233 / 735 (16 673)           10         Attach-met, distance from quood @ Musicolos, minhax in . (mm)         444 (10 770) / 150 (2 810)         444 (10 770) / 150 (2 810)           20         Docal legethy, contridine of due ade to center of laad         in. (mm)         35 (1 377)         55 (1 377)           10         Docal legethy, contridine of due ade to is cer of stachment in . (mm)         103 (2 616)         238 (6 003 / 472 (1 2 80)         238 (6 003 / 472 (1 2 80)           11         Docal word in due ade to center of laad         in. (mm)         128 (2 10 (1 10 / 11 10 / 2 842)         102 (1 10 / 11 10 / 2 842)         102 (1 10 / 11 10 / 2 842)           11         Overal word word / backward         Dogenes         4 / / / / / / / / / / / / / / / / / / /	<u> </u>				
B         Wheels, front / rear (X-driven)         drive / steer         4X / 2         4X / 2           9         Mast height, VISI A zstage (E.E), extended - top of altachment, in (mm)         17 43 (18.872)         17 43 (18.872)         17 43 (18.872)           10         Altachment, distance from ground in Metsicols, minmax, in (mm)         27 (23.27) / 78.45 (18.679)         17 (23.22) / 78.45 (18.679)         17 (23.22) / 78.45 (18.679)           11         Height, Standard mast lowered / top of cit         in (mm)         242 (10.770) / 150 (18.10)         42.41 (19.73)           12         Descale plant, functional diversate in center of land         in (mm)         23.83 (6.053) / 1479 / (12.185)         22.83 (6.053) / 1479 / (12.185)           13         Used face tength, (centerline of land novement         in (mm)         23.83 (6.053) / 1479 / (12.185)         22.83 (6.053) / 1479 / (12.185)           14         Load face tength, (castellawaid         Degrees         4 / 3         4 / 3           15         With of altachment, etackawaid         Degrees         4 / 3         4 / 3           15         Visit of altachment, in (mm)         23.5 (2.67)         10.5 (2.17) (13.02 (2.17) (3.53 (13.58))           16         Metsing in mast novement and in (mm)         10.2 (2.31) / 15.3 (3.640)         4 / 3           17         Tread speed stachadmast novement and in (mm)	6	Fuel capacity		84 (318)	84 (318)
9         Mast height, MISTA2-stage (FL), extended - top of attachment         n. (mn)         743 (18.872)         743 (18.872)           10         Attachment, distance from ground @ hetelicols, minimax         n. (mn)         87.9 (2.32) / 735 (18.670)         87.9 (2.23) / 735 (18.670)         87.9 (2.23) / 735 (18.670)         87.9 (2.23) / 735 (18.670)         87.9 (2.23) / 735 (18.670)         87.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.670)         97.9 (2.23) / 735 (18.070)         23.8 (10.01) / 74.9 (2.23) / 735 (10.00)         23.8 (10.01) / 74.9 (2.23) / 735 (12.00)         23.8 (10.01) / 74.9 (2.23) / 755 (12.00)         23.8 (10.01) / 74.9 (2.21) / 75.0 (2.20)         23.8 (10.01) / 74.9 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.22) / 75.0 (2.21) / 75.0 (2.22) / 75.0 (2.21) / 75.0 (2.21) / 75.0 (2.22) / 75.0 (2.22) / 75.0 (2.22) / 75.0 (2.23) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25) / 75.0 (2.25)	7	Tire type, front / rear	drive / steer	Pneumatic	Pneumatic
10         Attachment, distance from ground @ wistlacks, minhmax         in, (mn)         87.9 (2.32), 735.4 (18 679)         87.9 (2.22), 745.4 (19 93)           11         Height, standard mask lowed / Lop of ab.         in, (mn)         241 (6 127)         243 (10 770), 750 (3 810)           12         Overall length of truck         in, (mn)         241 (6 127)         241 (6 127)         241 (6 127)           13         Distance, centerfixe drive aute to center of bad         in, (mn)         253 (2 653), 7497 (12 185)         228 (3 (6 653), 7497 (12 185)         228 (3 (6 653), 7497 (12 185)         228 (3 (6 653), 7497 (12 185)         228 (3 (6 653), 7497 (12 185)         228 (3 (6 653), 7497 (12 185)         228 (3 (6 653), 7497 (12 185)         238 (3 (6 53), 7497 (12 185)         248 (3 (6 53), 7497 (12 185)         248 (3 (6 53), 7497 (12 185)         248 (3 (6 53), 7497 (12 185)         248 (3 (6 53), 7497 (12 185)         248 (3 (6 53), 7497 (12 185)         248 (3 (6 53), 7497 (12 185))         248 (3 (6 0), 741 2 (1 200)         23.6 (6 00), 741 2 (1 200)         23.6 (6 00), 741 2 (1 200)         23.6 (6 00), 741 2 (1 200)         24.8 (3 (6 0), 741 2 (1 200))         24.8 (3 (6 0), 741 2 (1 200))         24.8 (3 (6 0), 741 2 (1 200))         24.8 (3 (6 0), 741 2 (1 200))         24.8 (3 (6 0), 741 2 (1 200))         24.8 (3 (6 0), 741 2 (1 200))         24.8 (3 (6 0), 741 2 (1 200))         24.8 (3 (6 0), 741 2 (1 200))         24.8 (3 (6 0), 741 2 (1 200))         24.8 (3 (6 0), 741 2 (1 200))         23	8	Wheels, front / rear (X=driven)	drive / steer	4X / 2	4X / 2
10         Attachment, distance from ground @ Westlocks, minimax         n, (mn)         87.9 (2.32), 735.4 (18 679)         67.9 (2.22), 745.4 (19 93)           11         Heigh, standard masi lowed / top of ab         n, (mn)         241 (6 127)         243.0 (19 77), 150 (3 810)           12         Overall length of trux         n, (mn)         241 (6 127)         241 (6 127)         241 (6 127)           13         Distance, centetire dire ade to center of load         n, (mn)         256 (3 67)         957 (1 3 67)           14         Load face length, (centerline of drive ade to face of atac-ment)         n, (mn)         238 (6 603), 417 2 (1 200)         23.6 (600), 417 2 (1 200)         23.6 (600), 417 2 (1 200)         23.6 (600), 417 2 (1 200)         4.13           17         Side shift, movement one direction / total movement         n, (mn)         23.6 (6 03), 417 2 (1 200)         23.6 (600), 417 2 (1 200)         4.13           18         Overall undth, dire / state rake         n, (mn)         23.6 (2 602)         103.5 (2 649)         4.13           19         Overall undth, dire / state rake         n, (mn)         103.5 (2 649)         103.5 (2 649)         103.5 (2 649)           11         Height of operator s cab pacition         n, (mn)         103.5 (2 649)         103.5 (5 100)         103.6 (5 60.0)         103.5 (5 100)         103.6 (5 60.0) (13.5	0	Mast height MICTA 2 store (LEL) systemded, ten of attachment	in (mm)	742 (10 072)	742 (10.072)
11         Height Standad mast low/end / top cab         in. (mn)         424 (10.770) / 150 (3810)         424 (10.770) / 150 (3810)           12         Overall leight of tuck         in. (mn)         103 (2.616)         103 (2.616)           13         Distance, centerline dine ade to center of baad         in. (mn)         103 (2.616)         103 (2.616)           14         Load scendph, centreline of dive axie to face of attachment)         in. (mn)         238 3 (6 053) / 479 / 12 (200)         238 6 (00.7 47 2 (1 200)         238 6 (00.7 47 2 (1 200)         238 6 (00.7 47 2 (1 200)         238 6 (00.7 47 2 (1 200)         238 6 (00.7 47 2 (1 200)         238 6 (00.7 47 2 (1 200)         238 6 (00.7 47 2 (1 200)         238 6 (00.7 47 2 (1 200)         238 6 (00.7 47 2 (1 200)         238 6 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)         248 (00.7 47 2 (1 200)	9		. /		
12         Overall length of tuck         n. (mn)         241 (6 121)         211 (5 121)           13         Distance centerine of drive ade to center of bad         in. (mn)         103 (2 616)         103 (2 616)           15         Width of attachment, retracted / extended         in. (mn)         238.3 (6 053) (479.7 (12 185)         238.3 (6 053) (479.7 (12 185)           16         Width of attachment, retracted / extended         in. (mn)         236.6 (00.147.2 (1 200)         236.6 (00.01 47.2 (1 200)           17         Side shift, movement one direction / total movement         in. (mn)         236.6 (00.01 47.2 (1 200)         236.6 (00.01 47.2 (1 200)           18         Mast itt angle, forward / tackward         Degrees         4 / 3         4 / 3           19         Overall order oxise         Note-High Rear         Mid-High Rear         Mid-High Rear           19         Overall orgentor s cab position         Mid-High Rear         Mid-High Rear         Mid-High Rear           21         Height of operator s cab         in. (mn)         336 (9 600 / 135 (13 599)         386 (9 60 / 135 (13 599)         386 (9 60 / 153 (5 13 599)           22         Taxiel speed, standard mast NL / RL         mph fk/mh)         106 (257)         16 (257)         16 (257)           23         Atsis for 00 degrees stacking, pusced, standard onast NL /			· /		
13         Distance, centerine dive ade to center of load         in. (rm)         103 (2 616)         103 (2 616)           14         Load acc engh, Centerine of dive ade to car datachment)         in. (rm)         283 (6 053) (479 / 12 185)         283 (6 053) (479 / 12 185)           17         Side shift, movement one direction / total movement         in. (rm)         233 (6 000) / 472 (1 200)         23.6 (600) / 472 (1 200)           18         Mast till ange, forward 1 backward         Deprets         4 / 3         4 / 3           20         Operative stab position         Mod High Rear         Mod High Rear         Mod High Rear           21         Oberative stab position         Mod High Rear         Mod High Rear         103 (5 (2 6.9)         103 (5 (2 6.9)           22         Torning radues, Inner Outer         osato         in. (rm)         20 (2 53.7) (33 (8 966)         22 (2 33.7) (33 (3 966)           23         Tavel speed, maximum. Fourar with RL         mph (m/h)         16 (25.7)         16 (25.7)           24         It ming ends         inter (1 min (m/s)         100 (5 (2 / 108 (55))         102 (5 (2 / 108 (55))           26         Carabe stab.         inter (1 mm (m/s)         100 (5 (5 / 102 (5 / 2))         108 (5 (6 / 4 / 7))           27         Tavel speed, maximum. Fourar with RL         mph (m/h)			. ,		
31         Lad face length, (centerline of aftive ade to face of attachment)         in. (mn)         55 (1 397)         55 (1 397)         55 (1 397)           15         With in attachment retracted / extended         in. (mn)         233 (6 060) / 47 2 (1 200)         233 (6 053) / 479 7 (12 185)         233 (6 053) / 479 7 (12 185)           17         Side shift, movement one direction / total movement         in. (mn)         233 (6 053) / 479 7 (12 185)         233 (6 053) / 479 7 (12 185)           18         Mide high, hier / size axie         in. (mn)         16 (24 115) / 111 9 (2 842)           20         Operator s cab position         Mide High Rear         Mide High Rear           21         Height to operator s sol         in. (mn)         105 (2 6 29)         103 (5 (2 6 29)           23         Alse for 90 degree stacking, plus 24.0 safety margin, 201 40         in. (mn)         38 (6 9 004) / 53 (13 589)         38 (6 9 004) / 55 (13 589)           24         Extract mask NL / RL         Byrnin (mb)         106 (2 57)         106 (2 57)         106 (2 57)           24         Extract mask NL / RL         Byrnin (mb)         102 (5 2) (108 (5 5)         102 (5 2) / 108 (5 5)           24         Extract mask NL / RL         Byrnin (mb)         102 (5 2) / 108 (5 5)         102 (5 2) / 108 (5 5)           25         Travel speed, standard mask NL			· /	· · · · · · · · · · · · · · · · · · ·	
19       Overall width, drive / steer axie       in. (nm)       162 (4 115) / 111 9 (2 842)       162 (4 115) / 111 9 (2 842)         20       Operators cab position       MdH-High Rear       MdH-High Rear         21       Height of operators seat       in. (nm)       103.5 (2 629)       103.5 (2 629)         22       Turning radius, Inner / outer       in. (nm)       92 (2 337) / 353 (8 966)       92 (2 337) / 353 (8 966)         23       Asite for 90 degree stacking, plus 24.0 safety margin, 20 / 40 in. (nm)       386 (9 904) / 535 (13 589)       386 (9 904) / 535 (13 589)         24       Lift speed, shardard mast NL / RL       mph (km/h)       16 (25.7)       16 (25.7)         25       Travel speed, maximum - forward with RL       mph (km/h)       108 (55) / 102 (52)       102 (52) / 108 (55)         26       Cradeability, maximuum, 60 mph - RL       ks       44       35         26       Cradeability, continuous/ge 10 mph - RL       ks       44       35         27       Loweing weight, unladen       lb. (kg)       12.246 (5 600)       12.346 (5 600)         28       Attachment total weight       ib. (kg)       12.246 (5 600)       12.346 (5 600)         33       Attachment total weight       ib. (kg)       102.246 (2 36 62) / 18.79 (18 223)         34       Able lo			. ,		
19       Overall width, drive / steer axie       in. (nm)       162 (4 115) / 111 9 (2 842)       162 (4 115) / 111 9 (2 842)         20       Operators cab position       MdH-High Rear       MdH-High Rear         21       Height of operators seat       in. (nm)       103.5 (2 629)       103.5 (2 629)         22       Turning radius, Inner / outer       in. (nm)       92 (2 337) / 353 (8 966)       92 (2 337) / 353 (8 966)         23       Asite for 90 degree stacking, plus 24.0 safety margin, 20 / 40 in. (nm)       386 (9 904) / 535 (13 589)       386 (9 904) / 535 (13 589)         24       Lift speed, shardard mast NL / RL       mph (km/h)       16 (25.7)       16 (25.7)         25       Travel speed, maximum - forward with RL       mph (km/h)       108 (55) / 102 (52)       102 (52) / 108 (55)         26       Cradeability, maximuum, 60 mph - RL       ks       44       35         26       Cradeability, continuous/ge 10 mph - RL       ks       44       35         27       Loweing weight, unladen       lb. (kg)       12.246 (5 600)       12.346 (5 600)         28       Attachment total weight       ib. (kg)       12.246 (5 600)       12.346 (5 600)         33       Attachment total weight       ib. (kg)       102.246 (2 36 62) / 18.79 (18 223)         34       Able lo	2 15				
19       Overall width, drive / steer axie       in. (nm)       162 (4 115) / 111 9 (2 842)       162 (4 115) / 111 9 (2 842)         20       Operators cab position       MdH-High Rear       MdH-High Rear         21       Height of operators seat       in. (nm)       103.5 (2 629)       103.5 (2 629)         22       Turning radius, Inner / outer       in. (nm)       92 (2 337) / 353 (8 966)       92 (2 337) / 353 (8 966)         23       Asite for 90 degree stacking, plus 24.0 safety margin, 20 / 40 in. (nm)       386 (9 904) / 535 (13 589)       386 (9 904) / 535 (13 589)         24       Lift speed, shardard mast NL / RL       mph (km/h)       16 (25.7)       16 (25.7)         25       Travel speed, maximum - forward with RL       mph (km/h)       108 (55) / 102 (52)       102 (52) / 108 (55)         26       Cradeability, maximuum, 60 mph - RL       ks       44       35         26       Cradeability, continuous/ge 10 mph - RL       ks       44       35         27       Loweing weight, unladen       lb. (kg)       12.246 (5 600)       12.346 (5 600)         28       Attachment total weight       ib. (kg)       12.246 (5 600)       12.346 (5 600)         33       Attachment total weight       ib. (kg)       102.246 (2 36 62) / 18.79 (18 223)         34       Able lo	Λ 13 Α. 17		· · · ·		
19       Overall width, drive / steer axie       in. (nm)       162 (4 115) / 111 9 (2 842)       162 (4 115) / 111 9 (2 842)         20       Operators cab position       MdH-High Rear       MdH-High Rear         21       Height of operators seat       in. (nm)       103.5 (2 629)       103.5 (2 629)         22       Turning radius, Inner / outer       in. (nm)       92 (2 337) / 353 (8 966)       92 (2 337) / 353 (8 966)         23       Asite for 90 degree stacking, plus 24.0 safety margin, 20 / 40 in. (nm)       386 (9 904) / 535 (13 589)       386 (9 904) / 535 (13 589)         24       Lift speed, shardard mast NL / RL       mph (km/h)       16 (25.7)       16 (25.7)         25       Travel speed, maximum - forward with RL       mph (km/h)       108 (55) / 102 (52)       102 (52) / 108 (55)         26       Cradeability, maximuum, 60 mph - RL       ks       44       35         26       Cradeability, continuous/ge 10 mph - RL       ks       44       35         27       Loweing weight, unladen       lb. (kg)       12.246 (5 600)       12.346 (5 600)         28       Attachment total weight       ib. (kg)       12.246 (5 600)       12.346 (5 600)         33       Attachment total weight       ib. (kg)       102.246 (2 36 62) / 18.79 (18 223)         34       Able lo					
20         Operator's cab position         Mid-High Rear         Mid-High Rear           21         Heigh of operator's seat         in. (mm)         1035 (2 A29)         1035 (2 A29)           21         Tuming radius, inter / outer         in. (mm)         92 (2 337) /353 (8 966)         92 (2 337) /353 (8 966)           23         Alise for 90 degree stacking, plus 24.0 safety margin, 20 / 40         in. (mm)         386 (9 804) / 535 (13 589)         386 (9 804) / 535 (13 589)           25         Travel speed, maximum - forward with RL         mph (km/h)         106 (25.7)         16 (25.7)           26         Lift speed, standard mast NL / RL         ft/min (m/s)         102 (52) / 102 (52)         108 (55) / 102 (52)           27         Loweing speed, standard mast NL / RL         ft/min (m/s)         102 (52) / 108 (55)         102 (52) / 108 (55)           28         Dravbar pull, 3 speed auto shift @ 0 / 1.0 mph - RL         %         44         35           29         Gradeability, continuously @ 1.0 mph - RL         %         44         35           31         Attachment telescoping time, extending / retracting seconds         6.7         6.7           33         Attachment telescoping time, extending / retracting seconds         6.7         7.7         7.7           34         Attachment telescoping time, extendin			<u> </u>		
21         Height of operators seat         in. (mm)         103.5 (2 429)         103.5 (2 429)           22         Turning radius, imer 7 outer         in. (mm)         92 (2 337) (358) (966)         92 (2 337) (358) (976)           23         Akite for 90 degree stacking, plus 24.0 safety margin, 20 / 40         in. (mm)         386 (9 804) / 535 (13 589)         386 (9 804) / 535 (13 589)           25         Travel speed, maximum - forward with RL         mph (km/h)         16 (25.7)         16 (25.7)           26         Lift speed, standard mast NL / RL         ff/min (m/s)         100 (55) / 102 (52)         100 (55)           27         Loweing speed, standard mast NL / RL         ff/min (m/s)         102 (52) / 108 (55)         102 (52) / 108 (55)           28         Gradeability, maximum, @0 mph - RL         %         44         35           29         Gradeability, continuously @1.0 mh - RL         %         34         21           30         Gradeability, continuously @1.0 mh - RL         %         34         21           31         Matchment tellescoping time, extending / retracting         seconds         6.7         6.7           33         Atale loading, drive / steer NL         ib. (kg)         50.514 (22 913) / 23.973 (10 874)         52.080 (23 953) / 28.717 (13 026)           34         A					
22         Turning radius, inner / outer         in. (mn)         92 (2 337) / 353 (8 966)         92 (2 337) / 353 (8 966)           23         Akie for 90 degree stacking, plus 24.0 safety margin, 20 / 40         in. (mn)         386 (9 804) / 535 (13 589)         386 (9 804) / 535 (13 589)           25         Travel speed, maximum - forward with RL         mph (km/h)         16 (25.7)         16 (25.7)           26         Lift speed, standard mast NL / RL         ft/min (m/s)         102 (52) / 102 (52)         104 (55)           28         Drawbed, standard mast NL / RL         ft/min (m/s)         102 (52) / 103 (55)         102 (52) / 108 (55)           29         Gradeability, maximum, @0 mph - RL         %         44         35           29         Gradeability, maximum, @0 mph - RL         %         44         35           31         Attachment total weight, unladen         1b. (kg)         12.346 (5 600)         12.346 (5 600)           33         Attachment total weight         ib. (kg)         80.826 (3 6627) 18.970 (3 6 647)         52.080 (23 953) / 28.717 (13 026)           34         Attachment total weight, unladen         ib. (kg)         12.346 (5 600)         12.346 (5 600)           35         Attachment total weight, unladen         ib. (kg)         80.826 (3 6627) 18.970 (5 23)         83.445 (3 78.5) / 12.207 (7 805) <td></td> <td></td> <td>in (mm)</td> <td></td> <td></td>			in (mm)		
23         Aisle for 90 degree stacking, plus 24.0 safety margin, 20 / 40         in. (mm)         386 (9 804) / 535 (13 589)         386 (9 804) / 535 (13 589)           25         Travel speed, maximum - forward with RL         mph (km/h)         16 (25.7)         16 (25.7)           26         Lift speed, standard mast NL / RL         tfmin (m/s)         108 (55)         102 (52) / 103 (55)           27         Lowering speed, standard mast NL / RL         tfmin (m/s)         102 (52) / 103 (55)         102 (52) / 103 (55)           28         Drawhar pult, 3-speed auto-shift 80 / 1.0 mph - RL         %         44         35           29         Gradeabilly, continuously @ 1.0 mph - RL         %         44         35           30         Gradeabilly, continuously @ 1.0 mph - RL         %         34         27           34         Attachment telescoping time, extending / retracting         seconds         6.7         6.7           31         Attachment telescoping time, extending / retracting         seconds         6.7         2.000 (27 895) / 28.7/1 (13 026)           34         Avel bading, drive / steer NL         Ib. (kg)         74.223 (33 667)         79.470 (36 647)           34         Avel bading, drive / steer NL         Ib. (kg)         80.826 (36 662) / 18.790 (8 52)         83.445 (3 785) / 17.027 (7 805)					
Display         Lift Speed, standard mast NL / RL         ft/min (m/s)         108 (55) / 102 (52)         108 (55) / 102 (52)           27         Lowering speed, standard mast NL / RL         ft/min (m/s)         102 (52) / 108 (55)         102 (52) / 108 (55)           28         Drawap rull, 3-speed auto-shift @ 01.10 mph - RL         lbs-f (KNm)         36.650 (49.7)         36.650 (49.7)           30         Gradeability, continuously @ 10 mph - RL         %         44         35           31         Attachment telescoping time, extending / retracting         seconds         6.7         6.7           32         Total approximate weight, unladen         lb, (kg)         12.346 (5 600)         12.346 (5 600)         12.346 (5 600)           33         Attachment total weight         lb, (kg)         50.514 (22 913) / 23.973 (10 874)         52.080 (23 953) / 28, 717 (13 026)           34         Aze fraading, drive / steer NL         lb, (kg)         80.826 (36 662) / 18.790 (8 523)         83.445 (3 78) / 17.207 (7 805)           36         Tires, size, drive / steer         in.         14 x 24 - Radial         14 x 24 - Radial           37         Wheelsase         in. (mm)         117 (4 460)         117 (4 460)           38         Tires, size, drive / steer         in. (mm)         14 (326) / 11.8 (300)         14 (326) / 11.8			. /		386 (9 804) / 535 (13 589)
Display         Lift Speed, standard mast NL / RL         ft/min (m/s)         108 (55) / 102 (52)         108 (55) / 102 (52)           27         Lowering speed, standard mast NL / RL         ft/min (m/s)         102 (52) / 108 (55)         102 (52) / 108 (55)           28         Drawap rull, 3-speed auto-shift @ 01.10 mph - RL         lbs-f (KNm)         36.650 (49.7)         36.650 (49.7)           30         Gradeability, continuously @ 10 mph - RL         %         44         35           31         Attachment telescoping time, extending / retracting         seconds         6.7         6.7           32         Total approximate weight, unladen         lb, (kg)         12.346 (5 600)         12.346 (5 600)         12.346 (5 600)           33         Attachment total weight         lb, (kg)         50.514 (22 913) / 23.973 (10 874)         52.080 (23 953) / 28, 717 (13 026)           34         Aze fraading, drive / steer NL         lb, (kg)         80.826 (36 662) / 18.790 (8 523)         83.445 (3 78) / 17.207 (7 805)           36         Tires, size, drive / steer         in.         14 x 24 - Radial         14 x 24 - Radial           37         Wheelsase         in. (mm)         117 (4 460)         117 (4 460)           38         Tires, size, drive / steer         in. (mm)         14 (326) / 11.8 (300)         14 (326) / 11.8					
View         Standard mask NL / RL         ft/min (m/s)         102 (52) / 108 (55)         102 (52) / 108 (55)           27         Lowering speed, standard mask NL / RL         ft/min (m/s)         30.650 (49.7)         36.650 (49.7)         36.650 (49.7)           29         Gradeability, maximum, @O mph - RL         %         44         35           30         Gradeability, maximum, @O mph - RL         %         34         27           31         Attachment lelescoping time, extending / retracting         seconds         6.7         6.7           33         Attachment lotal weight, unladen         Ib, (kg)         12.346 (5 600)         12.346 (5 600)           34         Attachment lotal weight         Ib, (kg)         50.514 (22 103) (23.973 (10 874)         52.080 (23 953) /28.717 (13 026)           34         Attachment lotal weight         Ib, (kg)         80.826 (36 662) / 18.790 (8 523)         83.445 (3 785) / 17.207 (7 805)           35         Axle loading, drive / steer RL         Ib, (kg)         80.826 (36 662) / 18.790 (8 523)         83.445 (3 785) / 17.207 (7 805)           36         Tires, size, drive / steer         in. (mm)         129.4 (3 287) /92.8 (2 357)         129.4 (3 287) /92.8 (2 357)           37         Wheelbase         in. (mm)         129.4 (3 287) /118 (300)         14 (356) /11.8 (300)					
Sin         Attachment telescoping line, extending / reliability         Seconds         C.7         O.7           32         Total approximate weight, unladen         lb. (kg)         74,223 (33 667)         79,470 (36 047)           34         Attachment total weight         lb. (kg)         12,346 (5 600)         12,346 (5 600)           34         Axta loading, drive / steer RL         lb. (kg)         50,514 (29 071) / 23,973 (10 874)         52,080 (23 953) / 28,717 (13 026)           35         Axta loading, drive / steer RL         lb. (kg)         80,826 (36 662) / 18,790 (8 523)         83,445 (3 785) / 17,207 (7 805)           36         Tires, size, drive / steer RL         lb. (kg)         80,826 (36 662) / 18,790 (8 523)         83,445 (3 785) / 17,207 (7 805)           37         Wheelbase         in. (mm)         14 x 24 - Radial         14 x 24 - Radial           37         Wheelbase         in. (mm)         129,4 (3 287) / 92.8 (2 357)         129,4 (3 287) / 92.8 (2 357)           38         Tread, center of wheels, drive / steer         in. (mm)         14 (356) / 11.8 (300)         14 (356) / 11.8 (300)           40         Service brakes, type - line / actuation         Hydraulic         Hydraulic         Hydraulic           41         Service brakes, type - line / actuation         Spring Applied / Hydraulic         Relase					
Number         Attachment relescipting line extending / reliating         Seconds         C.7         O.7           32         Total approximate weight, unladen         lb. (kg)         74,223 (33 667)         79,470 (36 047)           33         Attachment total weight         lb. (kg)         12,346 (5 600)         12,346 (5 600)           34         Attachment total weight         step reliable         lb. (kg)         50,514 (29 071) (23,973 (10 874)         52,080 (23 953) (28,771 (13 026)           34         Atta loading, drive / steer RL         lb. (kg)         80,826 (36 662) / 18,790 (8 523)         83,445 (3 785) / 17,207 (7 805)           36         Tires, size, drive / steer RL         lb. (kg)         80,826 (36 662) / 18,790 (8 523)         83,445 (3 785) / 17,207 (7 805)           37         Wheelbase         in. (mm)         14 x 24 - Radial         14 x 24 - Radial         14 x 24 - Radial           37         Wheelbase         in. (mm)         129,4 (3 287) / 92.8 (2 357)         129,4 (3 287) / 92.8 (2 357)         129,4 (3 287) / 92.8 (2 357)           37         Ground clearance, center wheelbase / lowest point NL         in. (mm)         14 (356) / 11.8 (300)         14 (356) / 11.8 (300)           40         Service brakes, type - line / actuation         Hydraulic         Hydraulic         Hydraulic           41 <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
Number         Attachment relescipting line extending / reliating         Seconds         C.7         O.7           32         Total approximate weight, unladen         lb. (kg)         74,223 (33 667)         79,470 (36 047)           33         Attachment total weight         lb. (kg)         12,346 (5 600)         12,346 (5 600)           34         Attachment total weight         step reliable         lb. (kg)         50,514 (29 071) (23,973 (10 874)         52,080 (23 953) (28,771 (13 026)           34         Atta loading, drive / steer RL         lb. (kg)         80,826 (36 662) / 18,790 (8 523)         83,445 (3 785) / 17,207 (7 805)           36         Tires, size, drive / steer RL         lb. (kg)         80,826 (36 662) / 18,790 (8 523)         83,445 (3 785) / 17,207 (7 805)           37         Wheelbase         in. (mm)         14 x 24 - Radial         14 x 24 - Radial         14 x 24 - Radial           37         Wheelbase         in. (mm)         129,4 (3 287) / 92.8 (2 357)         129,4 (3 287) / 92.8 (2 357)         129,4 (3 287) / 92.8 (2 357)           37         Ground clearance, center wheelbase / lowest point NL         in. (mm)         14 (356) / 11.8 (300)         14 (356) / 11.8 (300)           40         Service brakes, type - line / actuation         Hydraulic         Hydraulic         Hydraulic           41 <td< td=""><td>20</td><td></td><td></td><td></td><td></td></td<>	20				
Number         Attachment relescipting line extending / reliating         Seconds         C.7         O.7           32         Total approximate weight, unladen         lb. (kg)         74,223 (33 667)         79,470 (36 047)           33         Attachment total weight         lb. (kg)         12,346 (5 600)         12,346 (5 600)           34         Attachment total weight         step reliable         lb. (kg)         50,514 (29 071) (23,973 (10 874)         52,080 (23 953) (28,771 (13 026)           34         Atta loading, drive / steer RL         lb. (kg)         80,826 (36 662) / 18,790 (8 523)         83,445 (3 785) / 17,207 (7 805)           36         Tires, size, drive / steer RL         lb. (kg)         80,826 (36 662) / 18,790 (8 523)         83,445 (3 785) / 17,207 (7 805)           37         Wheelbase         in. (mm)         14 x 24 - Radial         14 x 24 - Radial         14 x 24 - Radial           37         Wheelbase         in. (mm)         129,4 (3 287) / 92.8 (2 357)         129,4 (3 287) / 92.8 (2 357)         129,4 (3 287) / 92.8 (2 357)           37         Ground clearance, center wheelbase / lowest point NL         in. (mm)         14 (356) / 11.8 (300)         14 (356) / 11.8 (300)           40         Service brakes, type - line / actuation         Hydraulic         Hydraulic         Hydraulic           41 <td< td=""><td>29</td><td></td><td></td><td></td><td></td></td<>	29				
Total approximate weight, unladen         Ib. (kg)         74.223 (33 667)         79.470 (36 047)           33         Attachment total weight         Ib. (kg)         12.346 (5 600)         12.346 (5 600)           34         Axle loading, drive / steer NL         Ib. (kg)         50.514 (22 913) / 23.973 (10 874)         52.080 (23 953) / 28.717 (13 026)           35         Axle loading, drive / steer RL         Ib. (kg)         80.826 (36 662) / 18.790 (8 523)         83.445 (3 785) / 17.207 (7 805)           36         Tires, size, drive / steer         in.         14 x 24 - Radial         14 x 24 - Radial           37         Wheelbase         in. (mm)         177 (4 496)         177 (4 496)           38         Tiread, center of wheels, drive / steer         in. (mm)         129.4 (3 287) / 92.8 (2 357)         129.4 (3 287) / 92.8 (2 357)           39         Ground clearance, center wheelbase / lowest point NL         in. (mm)         14 (356) / 11.8 (300)         14 (356) / 11.8 (300)           41         Service brakes, type         ine (ratuation         Spring Applied / Hydraulic         Hydraulic           42         Parking brake, type - line / actuation         Spring Applied / Hydraulic Release         Hydrostatic           43         Steering system, rear steer wheels         Hydrostatic         Hydrostatic           44	H 31				
TED         33         Attachment total weight         lb. (kg)         12,346 (5 600)         12,346 (5 600)           34         Axle loading, drive / steer NL         lb. (kg)         50,514 (22 913) / 23,973 (10 874)         52,080 (23 953) / 28,717 (13 026)           35         Axle loading, drive / steer NL         lb. (kg)         80,826 (36 662) / 18,790 (8 523)         83,445 (3 785) / 17,207 (7 805)           36         Tires, size, drive / steer         in.         14 x 24 - Radial         14 x 24 - Radial           37         Wheelbase         in. (mm)         177 (4 496)         177 (4 496)           38         Tread, center of wheels, drive / steer         in. (mm)         14 (356) / 11.8 (300)         14 (356) / 11.8 (300)           39         Ground clearance, center wheelbase / lowest point NL         in. (mm)         14 (356) / 11.8 (300)         14 (356) / 11.8 (300)           40         Service brakes, type - line / actuation         Hydraulic         Hydraulic         Hydraulic           41         Service brakes, type - line / actuation         Spring Applied / Hydraulic Release         Spring Applied / Hydraulic Release           43         Steering system, rear steer wheels         Cummins Turbo Diesel QSB 6.7         Cummins Turbo Diesel QSB 6.7           44         Power unit, internal combustion engine         Cummins Turbo Diesel - 6 / 409 (6.7					
35       Ake loading, drive / steer RL       iii. (kg)       30,020 (30 002) (16,070 (3023)       35,443 (3 763) (17,20) (1003)         36       Tires, size, drive / steer       in. (mm)       177 (4 496)       177 (4 496)         37       Wheelbase       in. (mm)       129.4 (3 287) / 92.8 (2 357)       129.4 (3 287) / 92.8 (2 357)         38       Tread, center of wheels, drive / steer       in. (mm)       14 (356) / 11.8 (300)       14 (356) / 11.8 (300)         40       Service brakes, type       in (mm)       Wet Disc Brakes       Wet Disc Brakes       Wet Disc Brakes         41       Service brakes, type - line / actuation       Hydraulic       Hydraulic       Hydraulic         42       Parking brake, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         43       Steering system, rear steer wheels       Hydraulic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel OSB 6.7       Cummins Turbo Diesel OSB 6.7         44       Power unit, number of cylinders / displacement       cuin. (0)       Turbo Diesel OSB 6.7       Cummins Turbo Diesel OSB 6.7         44       Power unit, number of cylinders / displacement       cuin. (0)       Turbo Diesel OSB 6.7       Cummins Turbo Diesel OSB 6.7         45       Power	32				
35       Ake rodulity, unver steer RL       iii. (kg)       30,020 (30 002/116,790 (8 023)       35,443 (3 763) 117,207 (1 6 03)         36       Tires, size, drive / steer       in. (mm)       177 (4 496)       177 (4 496)         37       Wheelbase       in. (mm)       177 (4 496)       177 (4 496)         38       Tread, center of wheels, drive / steer       in. (mm)       129.4 (3 287) / 92.8 (2 357)       129.4 (3 287) / 92.8 (2 357)         39       Ground clearance, center wheelbase / lowest point NL       in. (mm)       144 (356) / 11.8 (300)       14 (356) / 11.8 (300)         40       Service brakes, type       line / actuation       Hydraulic       Hydraulic         41       Service brakes, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         42       Parking brake, type - line / actuation       Spring Applied / Hydraulic Release       Hydrostatic         43       Steering system, rear steer wheels       Hydrostatic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         45       Power unit, number of cylinders / displacement       culin. (i)       Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         49       Power unit, number of cylinders / displacement	5 33				
35       FARE rodulity, unive / steer RL       iii. (kg)       30,626 (36 062/116,790 (8 523)       35,443 (3 763) 117,201 (1 603)         36       Tires, size, drive / steer       in. (mm)       114 x 24 - Radial       14 x 24 - Radial         37       Wheelbase       in. (mm)       177 (4 496)       177 (4 496)         38       Tread, center of wheels, drive / steer       in. (mm)       129,4 (3 287) / 92,8 (2 357)       129,4 (3 287) / 92,8 (2 357)         39       Ground clearance, center wheelbase / lowest point NL       in. (mm)       144 (356) / 11.8 (300)       14 (356) / 11.8 (300)         40       Service brakes, type       line / actuation       Hydraulic       Hydraulic         41       Service brakes, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         42       Parking brake, type - line / actuation       Spring Applied / Hydraulic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         45       Power unit, peak horsepower agoverned rpm       hp @ rpm       230 @ 1800       230 @ 1800         47       Power unit, number of cylinders / displacement       cu.in. (I)       Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         48       Power unit, number o					
37       Wheelbase       in. (mm)       177 (4 496)       177 (4 496)         38       Tread, center of wheels, drive / steer       in. (mm)       129.4 (3 287) / 92.8 (2 357)       129.4 (3 287) / 92.8 (2 357)         39       Ground clearance, center wheelbase / lowest point NL       in. (mm)       14 (356) / 11.8 (300)       14 (356) / 11.8 (300)         40       Service brakes, type       ine / actuation       In. (mm)       Wet Disc Brakes       Wet Disc Brakes         41       Service brakes, type - line / actuation       Hydraulic       Hydraulic       Hydraulic         42       Parking brake, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         43       Steering system, rear steer wheels       Hydrostatic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         44       Power unit, peak horsepower @ governed rpm       hp @ rpm       220 @ 2000       220 @ 2000         44       Power unit, peak torque @ engine rated speed       ft.lbs. @ rpm       692 @ 1400       692 @ 1400         47       Power unit, peak torque @ engine rated speed       ft.lbs. @ rpm       692 @ 1400       692 @ 1400         48       Power unit, treal consumption (average)       g	35	Axie loading, drive / steer RL	id. (Kg)	80,826 (36 662) / 18,790 (8 523)	83,445 (3 785) / 17,207 (7 805)
37       Wheelbase       in. (mm)       177 (4 496)       177 (4 496)         38       Tread, center of wheels, drive / steer       in. (mm)       129.4 (3 287) / 92.8 (2 357)       129.4 (3 287) / 92.8 (2 357)         39       Ground clearance, center wheelbase / lowest point NL       in. (mm)       14 (356) / 11.8 (300)       14 (356) / 11.8 (300)         40       Service brakes, type       ine / actuation       In. (mm)       Wet Disc Brakes       Wet Disc Brakes         41       Service brakes, type - line / actuation       Hydraulic       Hydraulic       Hydraulic         42       Parking brake, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         43       Steering system, rear steer wheels       Hydrostatic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         44       Power unit, peak horsepower @ governed rpm       hp @ rpm       220 @ 2000       220 @ 2000         44       Power unit, peak torque @ engine rated speed       ft.lbs. @ rpm       692 @ 1400       692 @ 1400         47       Power unit, peak torque @ engine rated speed       ft.lbs. @ rpm       692 @ 1400       692 @ 1400         48       Power unit, treal consumption (average)       g					
38       Tread, center of wheels, drive / steer       in. (mm)       129.4 (3 287) / 92.8 (2 357)       129.4 (3 287) / 92.8 (2 357)         39       Ground clearance, center wheelbase / lowest point NL       in. (mm)       14 (356) / 11.8 (300)       14 (356) / 11.8 (300)         40       Service brakes, type       in. (mm)       Wet Disc Brakes       Wet Disc Brakes         41       Service brakes, type - line / actuation       Hydraulic       Hydraulic         42       Parking brake, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         43       Steering system, rear steer wheels       Hydrostatic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         44       Power unit, peak horsepower @ governed rpm       hp @ rpm       220 @ 2000       220 @ 2000         45       Power unit, peak torque @ engine rated speed       ft.lbs. @ rpm       692 @ 1400       692 @ 1400         48       Power unit, number of cylinders / displacement       cu.in. (l)       Turbo Diesel - 6 / 409 (6.7)       Turbo Diesel - 6 / 409 (6.7)         49       Power unit, fuel consumption (average)       gal/hr (/hr)       3.7 (14)       3.7 (14)       3.7 (14)       3.7 (14)         46       Do	36	Tires, size, drive / steer	in	14 x 24 - Radial	14 x 24 - Radial
40       Service brakes, type       in. (mm)       Wet Disc Brakes       Wet Disc Brakes         41       Service brakes, type - line / actuation       Hydraulic       Hydraulic       Hydraulic         42       Parking brake, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         43       Steering system, rear steer wheels       Hydrostatic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         45       Power unit, horsepower rating @ governed rpm       hp @ rpm       220 @ 2000       220 @ 2000         46       Power unit, peak horsepower @ governed rpm       hp @ rpm       230 @ 1800       230 @ 1800         47       Power unit, number of cylinders / displacement       cuin. (l)       Turbo Diesel - 6 / 409 (6.7)       Turbo Diesel - 6 / 409 (6.7)         49       Power unit, fuel consumption (average)       gal/hr (/hr)       3.7 (14)       3.7 (14)         50       Battery, voltage / cold craking amps       V / Amps       24V / 900CCA       24V / 900CCA         51       Drive axle       Planetary Reduction       Planetary Reduction       Planetary Reduction         52       Clutch, type       Torque Converter					
40       Service brakes, type       in. (mm)       Wet Disc Brakes       Wet Disc Brakes         41       Service brakes, type - line / actuation       Hydraulic       Hydraulic       Hydraulic         42       Parking brake, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         43       Steering system, rear steer wheels       Hydrostatic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         45       Power unit, horsepower rating @ governed rpm       hp @ rpm       220 @ 2000       220 @ 2000         46       Power unit, peak horsepower @ governed rpm       hp @ rpm       230 @ 1800       230 @ 1800         47       Power unit, number of cylinders / displacement       cuin. (l)       Turbo Diesel - 6 / 409 (6.7)       Turbo Diesel - 6 / 409 (6.7)         49       Power unit, fuel consumption (average)       gal/hr (/hr)       3.7 (14)       3.7 (14)         50       Battery, voltage / cold craking amps       V / Amps       24V / 900CCA       24V / 900CCA         51       Drive axle       Planetary Reduction       Planetary Reduction       Planetary Reduction         52       Clutch, type       Torque Converter		Wheelbase	in. (mm)	177 (4 496)	177 (4 496)
41       Service brakes, type - line / actuation       Hydraulic       Hydraulic         42       Parking brake, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         43       Steering system, rear steer wheels       Hydrostatic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         44       Power unit, horsepower rating @ governed rpm       hp @ rpm       220 @ 2000       220 @ 2000         46       Power unit, peak horsepower @ governed rpm       hp @ rpm       230 @ 1800       230 @ 1800         47       Power unit, number of cylinders / displacement       cui.ni. (I)       Turbo Diesel - 6 / 409 (6.7)       Turbo Diesel - 6 / 409 (6.7)         48       Power unit, fuel consumption (average)       gal/hr (/hr)       3.7 (14)       3.7 (14)         50       Battery, voltage / cold craking amps       V / Amps       24V / 900CCA       24V / 900CCA         51       Drive axle       Planetary Reduction       Planetary Reduction       Planetary Reduction         52       Clutch, type       Torque Converter       Torque Converter       Torque Converter         53       Gear change type (Automatic - Powershift)       Column-Mounted Lever       Column-Mounted Lever		Wheelbase Tread, center of wheels, drive / steer	in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357)	177 (4 496) 129.4 (3 287) / 92.8 (2 357)
42       Parking brake, type - line / actuation       Spring Applied / Hydraulic Release       Spring Applied / Hydraulic Release         43       Steering system, rear steer wheels       Hydrostatic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         45       Power unit, horsepower rating @ governed rpm       hp @ rpm       220 @ 2000       220 @ 2000         46       Power unit, peak horsepower @ governed rpm       hp @ rpm       230 @ 1800       230 @ 1800         47       Power unit, number of cylinders / displacement       cuin. (l)       Turbo Diesel - 6 / 409 (6.7)       Turbo Diesel - 6 / 409 (6.7)         48       Power unit, fuel consumption (average)       gal/hr (l/hr)       3.7 (14)       3.7 (14)         50       Battery, voltage / cold craking amps       V / Amps       24V / 900CCA       24V / 900CCA         51       Drive axle       Planetary Reduction       Planetary Reduction       Planetary Reduction         52       Clutch, type       Torque Converter       Torque Converter       Torque Converter         53       Gear change type (Automatic - Powershift)       Column-Mounted Lever       Column-Mounted Lever         54       Number of gears, forward / reverse       3 / 3       3 / 3 <td>37 38 38 39</td> <td>Wheelbase           Tread, center of wheels, drive / steer           Ground clearance, center wheelbase / lowest point NL</td> <td>in. (mm) in. (mm) in. (mm)</td> <td>177 (4 496) <b>129.4 (3 287) / 92.8 (2 357)</b> 14 (356) / 11.8 (300)</td> <td>177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300)</td>	37 38 38 39	Wheelbase           Tread, center of wheels, drive / steer           Ground clearance, center wheelbase / lowest point NL	in. (mm) in. (mm) in. (mm)	177 (4 496) <b>129.4 (3 287) / 92.8 (2 357)</b> 14 (356) / 11.8 (300)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300)
43       Steering system, rear steer wheels       Hydrostatic       Hydrostatic         44       Power unit, internal combustion engine       Cummins Turbo Diesel QSB 6.7       Cummins Turbo Diesel QSB 6.7         45       Power unit, horsepower rating @ governed rpm       hp @ rpm       220 @ 2000       220 @ 2000         46       Power unit, peak horsepower @ governed rpm       hp @ rpm       230 @ 1800       230 @ 1800         47       Power unit, peak torque @ engine rated speed       ft.lbs. @ rpm       692 @ 1400       692 @ 1400         48       Power unit, fuel consumption (average)       gal/hr (l/hr)       3.7 (14)       3.7 (14)         50       Battery, voltage / cold craking amps       V / Amps       24V / 900CCA       24V / 900CCA         51       Drive axle       Planetary Reduction       Planetary Reduction         52       Clutch, type       Torque Converter       Torque Converter         53       Gear change type (Automatic - Powershift)       Column-Mounted Lever       Column-Mounted Lever         54       Number of gears, forward / reverse       3 / 3       3 / 3	S 37 38 38 39 40	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type	in. (mm) in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes
45Power unit, horsepower rating @ governed rpmhp @ rpm220 @ 2000220 @ 200046Power unit, peak horsepower @ governed rpmhp @ rpm230 @ 1800230 @ 180047Power unit, peak torque @ engine rated speedft.lbs. @ rpm692 @ 1400692 @ 140048Power unit, number of cylinders / displacementcu.in. (l)Turbo Diesel - 6 / 409 (6.7)Turbo Diesel - 6 / 409 (6.7)49Power unit, fuel consumption (average)gal/hr (l/hr)3.7 (14)3.7 (14)50Battery, voltage / cold craking ampsV / Amps24V / 900CCA24V / 900CCA51Drive axlePlanetary ReductionPlanetary Reduction52Clutch, typeTorque ConverterTorque Converter53Gear change type (Automatic - Powershift)Column-Mounted LeverColumn-Mounted Lever54Number of gears, forward / reverse3 / 33 / 3	S 37 38 38 39 40	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation	in. (mm) in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic
45Power unit, horsepower rating @ governed rpmhp @ rpm220 @ 2000220 @ 200046Power unit, peak horsepower @ governed rpmhp @ rpm230 @ 1800230 @ 180047Power unit, peak torque @ engine rated speedft.lbs. @ rpm692 @ 1400692 @ 140048Power unit, number of cylinders / displacementcu.in. (l)Turbo Diesel - 6 / 409 (6.7)Turbo Diesel - 6 / 409 (6.7)49Power unit, fuel consumption (average)gal/hr (l/hr)3.7 (14)3.7 (14)50Battery, voltage / cold craking ampsV / Amps24V / 900CCA24V / 900CCA51Drive axlePlanetary ReductionPlanetary Reduction52Clutch, typeTorque ConverterTorque Converter53Gear change type (Automatic - Powershift)Column-Mounted LeverColumn-Mounted Lever54Number of gears, forward / reverse3 / 33 / 3	37           38           39           40           41           42	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation         Parking brake, type - line / actuation	in. (mm) in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release
Solution     Solution     Solution     Solution       Solution     Solution     Solution     Soluti	37 38 39 40 41 42 43	Wheelbase Tread, center of wheels, drive / steer Ground clearance, center wheelbase / lowest point NL Service brakes, type Service brakes, type - line / actuation Parking brake, type - line / actuation Steering system, rear steer wheels	in. (mm) in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic
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3550Battery, voltage / cold craking ampsV / Amps24V / 900CCA24V / 900CCA51Drive axlePlanetary ReductionPlanetary Reduction52Clutch, typeTorque ConverterTorque Converter53Gear change type (Automatic - Powershift)Column-Mounted LeverColumn-Mounted Lever54Number of gears, forward / reverse3 / 33 / 3	37 38 39 40 41 41 42 43	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation         Parking brake, type - line / actuation         Steering system, rear steer wheels         Power unit, internal combustion engine         Power unit, horsepower rating @ governed rpm         Power unit, peak horsepower @ governed rpm	in. (mm) in. (mm) in. (mm) in. (mm) hp @ rpm hp @ rpm	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800
3550Battery, voltage / cold craking ampsV / Amps24V / 900CCA24V / 900CCA51Drive axlePlanetary ReductionPlanetary Reduction52Clutch, typeTorque ConverterTorque Converter53Gear change type (Automatic - Powershift)Column-Mounted LeverColumn-Mounted Lever54Number of gears, forward / reverse3 / 33 / 3	37 38 39 40 41 42 43 44	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation         Parking brake, type - line / actuation         Steering system, rear steer wheels         Power unit, internal combustion engine         Power unit, horsepower rating @ governed rpm         Power unit, peak horsepower @ governed rpm         Power unit, peak torque @ engine rated speed	in. (mm) [ in. (mm) [ in. (mm) [ [ 1 1 1 1 1 1 1 1 1 1 1 1 1	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400
51Drive axlePlanetary ReductionPlanetary Reduction52Clutch, typeTorque ConverterTorque Converter53Gear change type (Automatic - Powershift)Column-Mounted LeverColumn-Mounted Lever54Number of gears, forward / reverse3 / 33 / 3	37 38 39 40 41 42 43 44	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation         Parking brake, type - line / actuation         Steering system, rear steer wheels         Power unit, internal combustion engine         Power unit, horsepower rating @ governed rpm         Power unit, peak horsepower @ governed rpm         Power unit, peak torque @ engine rated speed         Power unit, number of cylinders / displacement	in. (mm) [ in. (mm) [ in. (mm) [ [ 100 [ 100 [	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400 Turbo Diesel - 6 / 409 (6.7)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400 Turbo Diesel - 6 / 409 (6.7)
52     Clutch, type     Torque Converter     Torque Converter       53     Gear change type (Automatic - Powershift)     Column-Mounted Lever     Column-Mounted Lever       54     Number of gears, forward / reverse     3 / 3     3 / 3       55     Transmission type     Auto-Powershift     Auto-Powershift	37         37           38         39           40         41           41         42           43         43           44         43           45         46           47         48           49         49	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation         Parking brake, type - line / actuation         Steering system, rear steer wheels         Power unit, internal combustion engine         Power unit, horsepower rating @ governed rpm         Power unit, peak horsepower @ governed rpm         Power unit, peak torque @ engine rated speed         Power unit, number of cylinders / displacement         Power unit, fuel consumption (average)	in. (mm) in. (mm) in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400 Turbo Diesel - 6 / 409 (6.7) 3.7 (14)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400 Turbo Diesel - 6 / 409 (6.7) 3.7 (14)
53         Gear change type (Automatic - Powershift)         Column-Mounted Lever         Column-Mounted Lever           54         Number of gears, forward / reverse         3 / 3         3 / 3           55         Transmission type         Auto-Powershift         Auto-Powershift	37         37           38         39           40         41           41         42           43         43           44         43           45         46           47         48           48         49           50         50	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation         Parking brake, type - line / actuation         Steering system, rear steer wheels         Power unit, internal combustion engine         Power unit, horsepower rating @ governed rpm         Power unit, peak horsepower @ governed rpm         Power unit, peak torque @ engine rated speed         Power unit, fuel consumption (average)         Battery, voltage / cold craking amps	in. (mm) in. (mm) in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400 Turbo Diesel - 6 / 409 (6.7) 3.7 (14) 24V / 900CCA	177 (4 496)         129.4 (3 287) / 92.8 (2 357)         14 (356) / 11.8 (300)         Wet Disc Brakes         Hydraulic         Spring Applied / Hydraulic Release         Hydrostatic         Cummins Turbo Diesel QSB 6.7         220 @ 2000         230 @ 1800         692 @ 1400         Turbo Diesel - 6 / 409 (6.7)         3.7 (14)         24V / 900CCA
54         Number of gears, forward / reverse         3 / 3           55         Transmission type         Auto-Powershift         Auto-Powershift	37         37           38         39           40         41           41         42           43         43           44         43           45         46           47         48           48         49           50         50	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation         Parking brake, type - line / actuation         Steering system, rear steer wheels         Power unit, internal combustion engine         Power unit, horsepower rating @ governed rpm         Power unit, peak horsepower @ governed rpm         Power unit, peak torque @ engine rated speed         Power unit, fuel consumption (average)         Battery, voltage / cold craking amps         Drive axle	in. (mm) in. (mm) in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400 Turbo Diesel - 6 / 409 (6.7) 3.7 (14) 24V / 900CCA Planetary Reduction	177 (4 496)         129.4 (3 287) / 92.8 (2 357)         14 (356) / 11.8 (300)         Wet Disc Brakes         Hydraulic         Spring Applied / Hydraulic Release         Hydrostatic         Cummins Turbo Diesel QSB 6.7         220 @ 2000         230 @ 1800         692 @ 1400         Turbo Diesel - 6 / 409 (6.7)         3.7 (14)         24V / 900CCA         Planetary Reduction
55 Transmission type     Auto-Powershift     Auto-Powershift     Auto-Powershift	37         37           38         39           40         41           41         42           43         43           44         43           45         46           47         48           48         49           50         50	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation         Parking brake, type - line / actuation         Steering system, rear steer wheels         Power unit, internal combustion engine         Power unit, horsepower rating @ governed rpm         Power unit, peak horsepower @ governed rpm         Power unit, peak torque @ engine rated speed         Power unit, fuel consumption (average)         Battery, voltage / cold craking amps         Drive axle         Clutch, type	in. (mm) in. (mm) in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400 Turbo Diesel - 6 / 409 (6.7) 3.7 (14) 24V / 900CCA Planetary Reduction Torque Converter	177 (4 496)         129.4 (3 287) / 92.8 (2 357)         14 (356) / 11.8 (300)         Wet Disc Brakes         Hydraulic         Spring Applied / Hydraulic Release         Hydrostatic         Cummins Turbo Diesel QSB 6.7         220 @ 2000         230 @ 1800         692 @ 1400         Turbo Diesel - 6 / 409 (6.7)         3.7 (14)         24V / 900CCA         Planetary Reduction         Torque Converter
Auto Fondonia Auto Fondonia	37         37           38         39           40         41           41         42           43         43           44         43           45         46           47         48           48         49           50         50	Wheelbase         Tread, center of wheels, drive / steer         Ground clearance, center wheelbase / lowest point NL         Service brakes, type         Service brakes, type - line / actuation         Parking brake, type - line / actuation         Steering system, rear steer wheels         Power unit, internal combustion engine         Power unit, horsepower rating @ governed rpm         Power unit, peak horsepower @ governed rpm         Power unit, peak torque @ engine rated speed         Power unit, fuel consumption (average)         Battery, voltage / cold craking amps         Drive axle         Clutch, type         Gear change type (Automatic - Powershift)	in. (mm) in. (mm) in. (mm) in. (mm)	177 (4 496) 129.4 (3 287) / 92.8 (2 357) 14 (356) / 11.8 (300) Wet Disc Brakes Hydraulic Spring Applied / Hydraulic Release Hydrostatic Cummins Turbo Diesel QSB 6.7 220 @ 2000 230 @ 1800 692 @ 1400 Turbo Diesel - 6 / 409 (6.7) 3.7 (14) 24V / 900CCA Planetary Reduction Torque Converter Column-Mounted Lever	177 (4 496)         129.4 (3 287) / 92.8 (2 357)         14 (356) / 11.8 (300)         Wet Disc Brakes         Hydraulic         Spring Applied / Hydraulic Release         Hydrostatic         Cummins Turbo Diesel QSB 6.7         220 @ 2000         230 @ 1800         692 @ 1400         Turbo Diesel - 6 / 409 (6.7)         3.7 (14)         24V / 900CCA         Planetary Reduction         Torque Converter         Column-Mounted Lever

\* CERTIFICATION: These Hyster lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

NOTE: Performance specifications/ratings are for truck equipped as described under Standard Equipment in this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and you should discuss the proposed application with your authorized Hyster Dealer.



Hyster Company P.O. Box 7006 Greenville, North Carolina 27835-7006

Part No.: H400/BTG 7/2006 Litho in U.S.A.

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