

Material Handling Solutions by

# Omega Lift

**4D<sup>TM</sup>**  
**MIL**  
4D MultiLoader



**4DML Series**



Omega Lift has been designing and manufacturing all-terrain lift trucks for a wide range of material handling applications for over 25 years enabling us to be at the forefront of lift truck design.

# 4DML Series

6,000 lbs – 22,000 lbs load capacity | 12' – 24' lift height

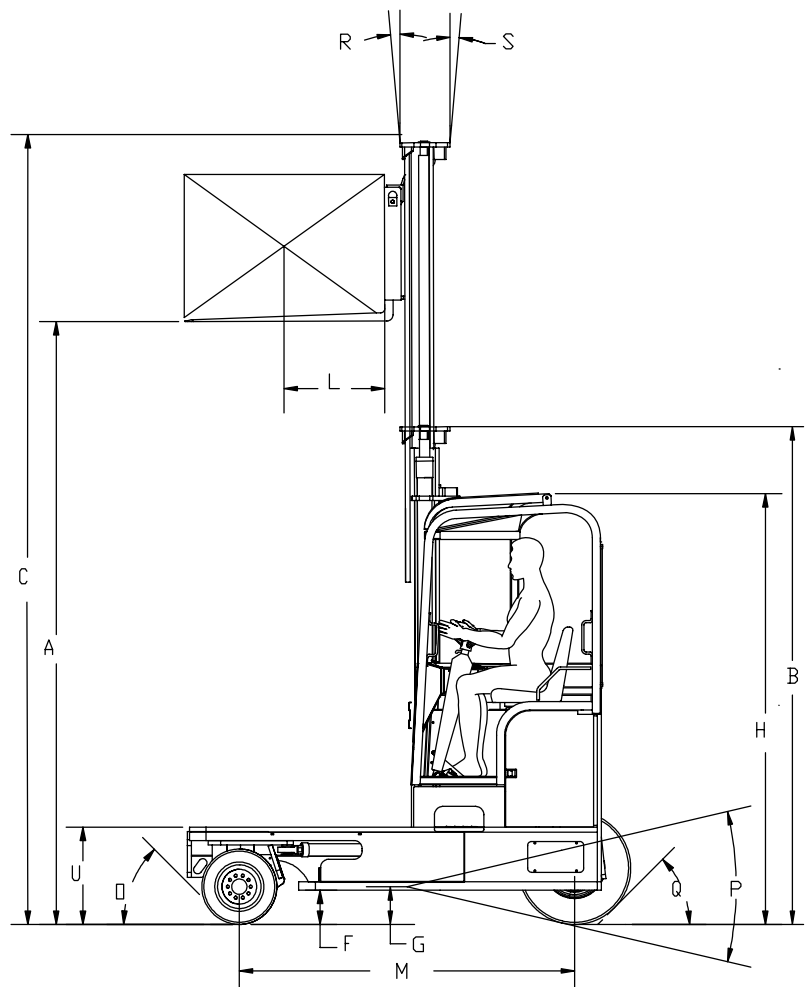
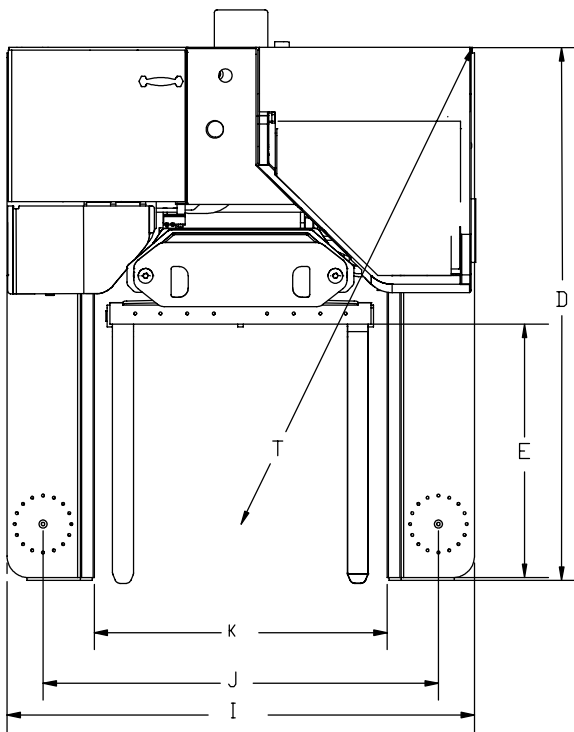
The 4D MultiLoader (4DML) Series is a four way, all-wheel drive, all-wheel steer and all-wheel brake truck that is offered in capacities from 6,000 to 22,000 lbs and lift heights from 12' to 24'. It undertakes the duties of aisle truck, traditional forklift and sideloader. Equipment features include a hydrostatic drive system, a torsion resistant frame consisting of up to 8" thick steel plate and an ergonomically designed operator's compartment. Spreader carriages are offered up to 30' with outer fixed forks. Guide rollers can be added for specialty applications. The 4DML is an ideal series for handling long or normal loads that have to go from inside or outside, on to or off of racks and narrow aisles and doorways.

SPECIFICATION	Ref.	4DH12-06Q-48P	4DH12-08Q-48P	4DH12-10Q-48P	4DH12-12Q-48P	4DH12-14Q-48P	4DH15-18Q-60P	4DH15-20Q-60P	4DH15-22Q-60P
Capacity @ 24" load centre (lbs)	L	6,000	8,000	10,000	12,000	14,000	18,000	20,000	22,000
Standard Mast Lift Height	A	144"	144"	144"	144"	144"	180"	180"	180"
Height mast closed	B	115"	115"	115"	120"	120"	135"	135"	135"
Maximum (mast raised)	C	186"	186"	186"	192"	192"	228"	228"	228"
Overall length (48" platform)	D	99"	99"	99"	100"	101"	116"*60" P	121"*60" P	121"*60" P
Mast travel	E	48"	48"	48"	48"	48"	59"	62"	62"
Ground clearance under frame	F	8"	8"	8"	11"	11"	12"	8"	8"
Ground to wheelbase centre	G	9"	9"	9"	11.5"	11.5"	11.5"	6"	6"
Height to overhead guard	H	102"	102"	102"	108"	108"	108"	108"	108"
Width	I	87.5"	87.5"	87.5"	92.5"	104"	110"	110"	110"
Outside spread of fork arms		48"	48"	48"	48"	58"	58"	58"	58"
Track front	J	74"	74"	74"	79"	90"	96"	98"	98"
Frame opening	K	55"	55"	55"	55"	65"	65"	65"	65"
Wheel base	M	80.5"	80.5"	80.5"	78"	78"	94"	101"	101"
Approach angle	O	45°	45°	45°	45°	45°	45°	45°	45°
Ramp angle	P	30°	30°	30°	30°	30°	30°	30°	30°
Departure angle	Q	45°	45°	45°	45°	45°	45°	45°	45°
Unladen weight (lbs)		12,100	13,860	14,469	17,464	19,259	25,447	30,200	30,200
Maximum ground speed		10 mph	10 mph	10 mph	10 mph	10 mph	10 mph	10 mph	10 mph
Gradeability		20%	20%	20%	20%	20%	15%	15%	15%
Diesel/LPG/Gas engine		various	various	various	various	various	various	various	various
Fork section 2" – 2.5"		6" x 46"	6" x 46"	6" x 46"	6" x 46"	6" x 46"	6" x 58"	8" x 60"	8" x 60"
Front tire OD/Width		18" x 8"	18" x 8"	18" x 9"	23" x 9"	23" x 9"	23" x 9"	22" x 12"	22" x 12"
Rear tire OD/Width		27" x 10"	27" x 10"	27" x 10"	32" x 8"	32" x 8"	32" x 12"	33" x 14"	33" x 14"
Forward tilt	R	5°	5°	5°	5°	5°	5°	5°	5°
Backward tilt	S	5°	5°	5°	5°	5°	5°	5°	5°
Minimum outside radius	T	99	99	99	101	108	118	121	121
Platform height	U	24	24	24	28	28	28	28	28

\*60" platform

Specifications subject to change without notice

# Specification Diagram



## Load Charts

(Load centre refers to measurement 'L' in above diagram)

Model	Lift Height	Capacity 24" load centre (lbs)	Capacity @ 26" load centre (lbs)	Capacity @ 30" load centre (lbs)	Capacity @ 34" load centre (lbs)	Capacity @ 36" load centre (lbs)
<b>4DH12-06Q-48P</b>	24'	2,200	1,600	1,100	750	500
	18'	3,700	3,000	2,600	2,200	2,000
	12'	6,000	5,300	4,800	4,500	4,200
<b>4DH12-08Q-48P</b>	24'	3,000	2,100	1,500	1,000	600
	18'	5,000	4,100	3,500	3,000	2,600
	12'	8,000	7,100	6,500	6,000	5,600
<b>4DH12-10Q-48P</b>	24'	4,000	2,800	2,000	1,300	800
	18'	6,000	4,800	4,100	3,600	3,000
	12'	10,000	8,800	8,100	7,500	7,000
<b>4DH12-12Q-48P</b>	24'	5,000	3,500	1023	667	407
	18'	8,000	6,560	5,600	4,800	4,160
	12'	12,000	10,650	9,750	9,000	8,400
<b>4DH12-14Q-48P</b>	24'	6,000	4,200	3,000	2,000	1,200
	18'	10,000	8,200	7,000	6,000	5,200
	12'	14,000	12,400	11,300	10,500	9,800
<b>4DH15-18Q-60P</b>	24'	7,700	7,300	6,700	6,200	5,900
	18'	12,850	12,000	11,300	10,400	9,700
	12'	18,000	17,200	15,800	14,600	14,000

CONTACT FACTORY FOR 20Q AND 22Q DATA

Maximum stacking capacity on a horizontal level surface; load ratings comply with ASME/ANSI B56.1 b - 2005; Safety Standards for low lift and high lift trucks

# 4DML Series



**NOTE:** The information herein is general in nature and is not intended for specific application purposes. Omega Lift reserves the right to make any changes in the specifications shown herein, and improvements, or discontinue manufacture at any time without notice or obligation. Units shown may be equipped with non-standard equipment. All machines are manufactured to meet or exceed ANSI/ITSDF B56.1 - 2005 Standards or Recommended Practices, where applicable.





## STANDARD EQUIPMENT

### Engine

- LPG engine or diesel engine
- Emissions compliant

### Hydraulic System

- Piston pump
- All-wheel hydrostatic drive
- All-wheel power steering
- Independent drive motors
- hydraulic oil cooler

### Brakes

- All-wheel enclosed wet disc brakes
- Inching/brake pedal
- Park brake with indicator

### Operator Compartment

- Open FOPS/ROPS
- Ergonomic control layout
- Weather-proof switches
- Fully molded adjustable (tilt/telescopic) steering column
- Rubber insulated cab mount
- Roof glass
- Low profile mechanical suspension seat with lumbar adjustment and retractable seat belt
- Grab handles and cab step

### Instrumentation

- Full backlit gauge cluster including; fuel (diesel engines only), water temperature, engine oil pressure, AMP meter.
- Indicator lights including; water temperature, engine oil, battery, parking brake, fuel control

### Mast/Carriage

- Duplex I-beam
- Sealed roller mast bearings
- Clear View design
- Premium mast chain
- Sealed, hardened chain pulleys
- Shaft carriage
- Shaft forks

### Electrical

- 12 Volt negative ground system
- 575 CCA battery
- 70 AMP alternator
- Labeled fuse panel

### Additional Features

- Remote Online Diagnostic System
- Solid steel frame construction
- Steel hydraulic and fuel tanks
- Large heavy-duty slew bearings
- Lockable fuel, hydraulic, engine hood and battery compartment

- Amber strobe light
- 4-way light package
- 10 micron filtration system
- Horn and back-up alarm
- Super elastic tires
- Tie down provisions

### OPTIONAL EQUIPMENT

- Enclosed all-weather cab
- Cab heater and fan
- AM/FM CD sound system
- Cup holder
- Cab dome light
- Customizable masts, carriages and forks
- Spreader bars up to 360"
- Grapple
- Fork positioning
- Auxiliary hydraulics
- Free lift
- Custom colors
- Special platform lengths
- Guide roller system

# 1.905.857.6456 | [www.omegalift.net](http://www.omegalift.net)

## A MACHINE FOR EVERY APPLICATION

ANY JOB, ANY TIME ANYWHERE — no matter what the application, Omega Lift's line of machines are made for it. General construction, Building construction, Automotive recycling, Lumber mills and yards, Steel mills and yards, Mining facilities, Manufacturing and Warehousing facilities, Sod farms and nurseries, Rail yards, Military applications, our machines have you covered.

**YOU PROVIDE THE JOB. WE'LL PROVIDE THE MACHINE.**

**Authorized Omega Lift Dealer**

Printed in Canada. **Reorder Code:** 4DMLSB-I-7-11



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**VIMA**<sup>TM</sup>  
Vertical Mast

**ARM**<sup>TM</sup>  
Telehandler

**4DML**<sup>TM</sup>  
4D MultiLoader