VALLEE

MINING COMPACT SERIES

4DA10D lift Truck

Industry's only lift truck this compact capable of handling 10,000 lb.

vallee.ca

Courtesy of CraneMarket.com

THE EVOLUTION OF UNDERGROUND MOBILE MINING EQUIPMENT

Made tough to withstand the rigours of underground mining. Check. Compact designed to snake and weave its way around tight, confined spaces. Check. The smallest mining lift truck on the market able to load, haul, transport, relocate, etc. up to **10,000 lb.** of materials or equipment. Now that's just groundbreaking.

The Vallée **4DA10D** Lift Truck specifically engineered for underground mining operations can handle heavier loads than any other deep mining vehicle in its size category. Compact enough for a mine shaft cage, this articulated four-wheel-drive wonder is so versatile and agile, it cans deliver even in restricted tunnel environments. Already a trailblazer, the Vallée **4DA10D** Lift Truck can be further customized to suit your requirements. And it's made in Canada, which speaks volumes about its robust construction and the lifetime of dependable service you can expect.

Courtesy of CraneMarket.com

The Vallée 4DA10D Lift Truck's compact design renders it small enough to fit inside a mine shaft cage.

The elevator shown here is for illustrative purposes only.

Courtesy of CraneMarket.com

Vallée 4DA10D Lift Truck

Mining Compact Series Options

This lift truck boldly goes where no standard lift trucks can. Its compact size and articulated features make it ideal for squeezing into tight spaces, like mine cages and underground tunnels.

The heavy-duty, high-visibility mast allows for safer operations as it provides an optimal view of the loads and forks, and the mining worksite altogether.

SOME OF THE TOP REASONS WHY THE 4DA10D LIFT TRUCK IS SO ROBUST, AGILE AND COMFORTABLE

Some specifications

- Articulated for more agile operation, smaller turning radius
- Compact sized but with a heavier loading and hauling capacity than similar sized lift trucks
- Zero energy hydraulic system for greener operations, as well as PLUS+1 powered controls for more accurate and flexible functional adjustment
- Thinner structure mast made with high-strength steel to increase visibility
- Tip-up hood for ease of service

MORE FEATURES:

Kubota V3307 T4i Engine

Using advanced technology, like Center Direct Injection clean combustion that lowers particulate matter levels and a low-noise system that reduces transmitted vibrations and radiated sound, this operator and deep-mining-environment friendly engine delivers improved performance and efficiency.

- More power
- Maximum reliability
- Constant nominal torque
- Constant low-end torque
- Reduced fuel consumption
- Increased acceleration response time
- Good cold weather start
- Engine warranty

Dana T 12000 Transmission

The completely assisted gearshift is designed for increased productivity and performance and can be adapted to each load with precision. With 3 forward speeds and 3 reverse gears, the time-performance ratio and fuel consumption are totally optimized.

- Increased tractive force
- Optimal progress

Funk and Dana

These heavy-duty axles are specifically designed to perform in extremely tough conditions and with heavy loads. They are exceptionally durable.

Wet-Disk Brakes

The components on these brakes are sealed for safer braking, lower operating costs, and unparalleled service life.

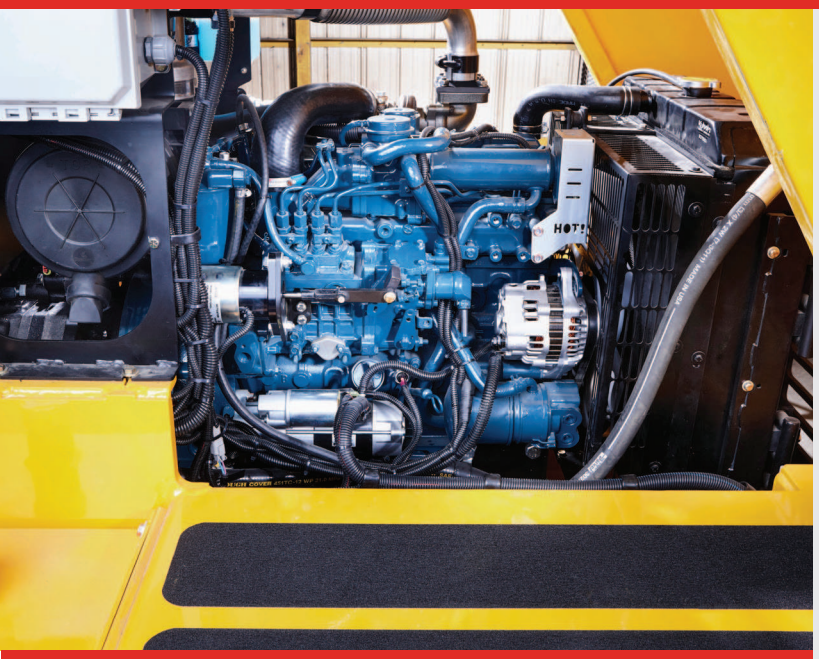
Full Free Mast

The full free mast enables you to lift the truck's forks without raising the mast, which is especially useful when operating within confined spaces with tight height restrictions.

Courtesy of CraneMarket.com

The cab interior houses ergonomic controls, like the multifunction joystick, and a colour display monitor that enable the operator to maneuver comfortably and safely.

The full-view cab is devoid of channels in rear corners to eliminate blind spots and increase all-around and upward visibility.



The engine hood opens mechanically and can be completely removed for ease of service.

WHAT A DIFFERENCE A NAME MAKES
Vallée versus the competition

LIFTING CAPACITY
In the Vallée tradition of designing and manufacturing heavy-hitters that pack a lifting capacity belying their compact size, the 4DA10D can haul up to 10,000 lb. – the only mining lift truck this size on the market capable of handling such a load.

ROBUSTNESS
Our lift trucks work hard and are made tough. So tough many of the trucks we've sold are still in use today, even after 30+ years and over 100,000 hours of service.

AGILITY
Articulated for better maneuverability and to squeeze into spaces too tight for other manufacturers' lift trucks, the 4DA10D is as operator and condition responsive as it gets.

HANDLING
Although built to fiercely dominate the task at hand like a beast, the 4DA10D handles and moves steadily and with precision even in the roughest underground terrain.

Courtesy of CraneMarket.com

Vallée 4DA10D Lift Truck

Mining Compact Series Options

MINING COMPACT SERIES OPTIONS

- Load suspension system with on/ off switch
- Camera guidance system
- Engine block heater (diesel)
- Fender-mounted toolbox
- Parking brake release
- Colour display screen
- Sliding window
- Signal and brake lights
- Front mud guard
- Non-skid guard on fenders
- Windshield guard
- Extra lift height
- Mast step
- Extra beacons
- Customized transmission programming
- Wood block rack
- Alarm system
- Side shift
- Oversized mast (moment indication system)
- Active load screen displaying weight information
- Handle on cab roof
- Side flap

Levelling
This feature, which is rarely seen on the market, enables you to right and left slant the fork carriage side to side by 5 degrees, to facilitate loading and unloading operations on uneven surfaces.
*Compact Series model 4DA20C shown here for illustrative purposes.

Side shift
This mechanism allows the operator to move the fork carriage laterally up to 8 inches (200 mm) to the left or right, thus allowing you to deposit a load without having to re-maneuver the entire lift truck into position.
*Compact Series model 4DA20C shown here for illustrative purposes.

Camera guidance system
Designed to perform in the most extreme mobile machine environments, this camera system offers three different display options to assist with visibility, including the area behind the truck and on the forks.

Colour screen
This integrated colour display monitor covers the vehicle's 16 most important functions, thus making critical data available to the operator at all times.

4DA10D LIFT TRUCK ACCESSORIES

Handling arm
Comes in various dimensions and capacities, and is available in extensible, manual or hydraulic model.

High dump bucket
High capacity hydraulic-actuated bucket with quick-attach system designed to allow for higher dump height and built tough to handle 2 metric tons of rock, etc.

Cable reeler
Powered by high-torque low-speed engines for more controlled traction, it also comes with quick coupling or direct pin mounting options.

Tire handler
Delivers precision controlled tire lifting with a capacity of 2.6 metric tons (5,000 lb.).

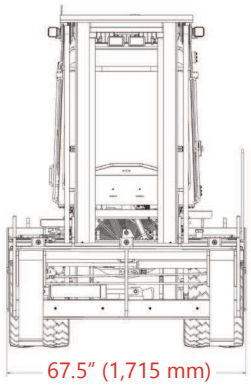
Platform
Cab-facing platform built to wider-than-standard dimensions to create protective safety buffer between workers and the mast.

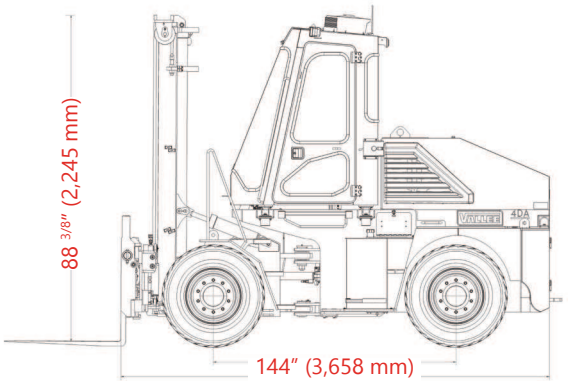
Custom solutions
We specialize in sizing up what our customers need and then setting out to tailor their equipment according to their specific requirements.

Courtesy of CraneMarket.com

Technical specifications for **the 4DA10D Lift Truck**

	Description	Units	VALLÉE 4DA10D
Specifications	Capacity (load/distance)	lb./in. (kg/mm)	10,000/24 (4,535/610)
	Lift height	in. (mm)	88 (2,235)
	Mast tilt angle (F/R)	degrees	15/15
	Overall length	in. (mm)	144 (3,658)
	Wheelbase	in. (mm)	84 (2,134)
	Overall width	in. (mm)	67.5 (1,715)
	Overall height	in. (mm)	88 3/8 (2,245)
	Turning radius (exterior)	in. (mm)	152 (3,860)
	Turning radius (interior)	in. (mm)	72 1/4 (1,835)
	Unloaded weight	lb. (kg)	17,900 (8,140)
	Weight on front axle (laden)	lb. (kg)	23,800 (10,800)
	Weight on front axle (unladen)	lb. (kg)	7,500 (3,385)
	Weight on rear axle (laden)	lb. (kg)	4,100 (1,865)
	Weight on rear axle (unladen)	lb. (kg)	10,450 (4,750)
	Number of tires (F/R)		2/2
	Tire size		300-15
Engine and transmission	Engine (manufacture/model)		Kubota V3307 T4I
	Engine (output)	hp. (kW)	74 (55)
	Transmission (manufacture/type)		Dana T 12000
	Number of gears (forward/reverse)		3/3
Performance	Top speed	km/h	10 km/h
	Gradeability (laden)	%	35
	Gradeability (unladen)	%	55
	Lifting speed (laden)	ft./s (mm/s)	1.5 (457)





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Founded in 1956, Vallée is the only designer and manufacturer of large capacity articulated four-wheel lift trucks and industrial equipment in Canada. We are proud of our "Made in Canada" products and their quality, dependability and performance.

Our trademark is customizing products to the specific needs of our clients. Because we are committed to crafting equipment of the utmost quality, we can guarantee our clients they are using the sturdiest, most durable products, which has earned us their unfailing trust over the years.

Just how exceptionally durable are Vallée lift trucks? More than 95% of the lift trucks we've sold are still in use.

Vallée products have been serving the Canadian and U.S. markets for over 20 years.

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