

## Multi Directional Forklift

Used Side Loader Forklift El Cajon - The side loader forklift is designed for lifting heavy cargo in narrow locations including loading docks, lumber yards and warehouse aisles. Side loaders have earned their name due to their design and the way they transport, load and unload items. Benefits of Side Loader Forklifts v Standard Forklifts Forklifts that rely on the original counterbalance system can become unstable when moving long or heavy loads. The side loader is capable of transporting dangerous loads such as piping and timber. Long loads such as timber, steel or pipes are more easily handled because the load is facing in the direction being traveled, reducing the overall width of the equipment and load. They also offer the advantage of providing the driver of the forklift with an unobstructed view, which is otherwise at least somewhat or greatly impeded by the tines and load carried at the front on a standard forklift. Since the loads are transported along the side of the forklift instead of across the front, the side loader can travel easier through narrow aisles and doorways. The load may have to be lowered or raised to get past obstacles that can increase the chances of destabilizing and cause dangerous tip-overs. Much of the maneuvering is eliminated with side loaders. These units help warehouse locations to manage smaller spaces much more safely. Many models can lift up to 12K lbs. while traveling at speeds higher than 5 miles an hour. There may be the ability to have travel speeds programmed. This feature allows the operator to match speed to a specific application.

Types of Side Loader Forklifts Class 2 - Electric Motor Narrow Aisle Trucks The Class 2 Electric Motor Narrow Aisle Trucks are where the side loader forklifts are classified. This class captures the forklifts that operate in narrow aisles with electrically sourced power. The side loader is useful for handling long and narrow loads in similar locations including lumber, carpet and laminate. They are also suited for rack storage and feeding machine tools. The narrow aisle units are popular in warehouses as they offer a sleek design that saves on storage. These units are efficient at loading and unloading. These Class 2 side loader forklifts are designed to minimize the area taken up by the forklift truck. This allows increased efficiency and speed when moving, loading and unloading in narrow aisles. Electric power reduces harmful emissions and allows these machines to be used mainly inside.

Internal Combustion Engine Side Loader Forklifts The Class 2 forklifts only apply to side loaders that use electric power. Units that do not rely on electricity do not fall into this category. Side loaders are found in timber and lumber yards and pipe and steel yards for transporting long and heavy loads. They can move items from flatbed trucks, stack items in blocks or racking. Exterior side loaders need to work outside and on uneven surfaces. This means an internal combustion engine and, sometimes, pneumatic tires are a better option for the job. Side loaders are especially popular for these types of applications because the weight and length of materials being handled mean that the side loader forklift can maneuver between narrow stacks, piles or aisles to pick up the long load in their middle which is crucial for loading long items and safely transporting them.

Side Loader Forklift Design Side loader forklifts can be either sit down units or stand on machines. Stand On Side Loader Forklifts Used mostly indoors in applications such as warehouses, the stand on end control has a small platform area surrounded by the forklift's controls, usually located in the middle of the truck, for the operator to stand. There are several advantages to this design. Stand-on side loaders don't have an operator seat, allowing for a more streamlined cab design. A forklift operating with a smaller footprint is excellent for working in high-traffic locations. Especially while operating in reverse, there is greater operator visibility from a standing position. In the stand up position, an operator can turn his whole body to view the rear of the truck when reversing direction whereas in a sit down position the operator must twist his back and neck to get a clear view behind. There are more safety and operator comfort in the stand-up side loaders, ensuring better visibility and less potential for damage or injury. Finally, the operator in a stand on forklift is able to enter and exit the cab quicker than a sit down forklift which can increase workplace efficiency in some applications.

Sit Down Side Loader Forklifts Of the two basic designs, the sit down side loader forklift is the

most popular. Sit-down side loaders have a cab that is situated in the center of the machine. Sit-down forklifts have a raised platform and a seat that faces the control panel of the machine. Operator comfort is one of the main advantages of the sit-down side loader. The operator is able to control the forklift from a resting position which decreases operator fatigue which increases productivity. Customizable Features The side loader has customizable bed length options to be suitable for many jobs. The standard bed length for a side loader was designed to fit a variety of bulky and heavy loads but this can be extended upwards of 60 inches to meet custom jobsite applications. However, when customizing a side loader feature such as the bed length, consideration must be given to the width of aisles at the relevant jobsite as guide rails and aisles may need adjusting to accommodate the extra sized forklift, which is likely to affect budget and productivity. These machines can function in a multidirectional manner. These side loaders have crab steering which allows two wheels to operate independently from the others. Crab steering allows the unit to travel in all four directions by changing the direction of the wheels. The side loader can fit into close quarters and narrow spaces without needing to make huge turns or adjustments. The smaller turning radius helps to avoid damage to items and the building while increasing safety. It also increases efficiency by lessening the time and space needed to maneuver around the job site. Numerous side loader features can be customized to suit a job site. Tine length, mirrors, lights, lift mast heights and lift capacities are some of the custom options available. Certain features are also adjustable, allowing for further customization of the side loader for the particular job application. Travel speed, acceleration time, load limits and breaking force can all be set allowing further job efficiency and increased workplace safety. For all of the above reason, the side loader forklift has become the most popular option for workplaces where space is limited and long loads are involved.