

Multi Directional Forklift

Used Side Loader Forklift Tennessee - Side loader forklifts are ideal for lifting long and heavy materials in narrow locations such as warehouse aisles, loading docks, lumber yards, etc. 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. However, the side loader forklift is specially designed to handle these types of loads, such as long pipes and raw timber, providing much more stability. Having the load face the direction of travel ensures that timber and steel can be easier to maneuver. 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. This means warehouse operations can manage in much smaller spaces with fewer modifications while also operating in a safer manner. Most side loaders are able to lift up to 12,000 pounds and can travel at speeds just above 5 miles per hour but are often equipped with the ability to program travel speeds. This design enables operators to match speed to a certain job. 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 kind of forklift classification covers electrically sourced narrow aisle forklifts. The side loader is useful for handling long and narrow loads in similar locations including lumber, carpet and laminate. These machines are additionally used for rack storage and feeding machine tools. Narrow aisle locations are popular in warehouses for allowing maximum storage design and efficiency. Class 2 side loaders take up less space compared to traditional forklift trucks. These machines create better efficiency and speed while moving, unloading and loading narrow aisle locations. Electric power reduces harmful emissions and allows these machines to be used mainly inside. Internal Combustion Engine Side Loader Forklifts Side loaders that are not powered by electricity obviously do not fall under the Class 2 forklift classification. 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. These machines that are used outside have to deal with uneven ground and different temperatures. Internal combustion models are common. These units rely on pneumatic tires for better transportation. 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 The side loader forklift has two kinds of designs, sit down models or stand on models. 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 many advantages to the stand-on 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. The operator also has increased visibility when operating in a standing position, especially when operating the forklift in reverse. While standing, the operator can turn their body to see the back of the forklift truck while in reverse. In a sit-down machine, operators need to twist their neck and back to get a clear view. This is clearly an advantage in terms of safety as well as comfort. Increased operator visibility also helps to decrease damage to products and facilities. 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. Much like the stand on side loader, the sit down design has a cab usually located at the center of the truck. The sit-down models have a raised platform and a seat that is opposite to the controls. Operator comfort is one of the main advantages of the sit-down side loader. Operators can control the machine from a resting position, greatly reducing fatigue and increasing productivity.

Customizable Features The side loader has customizable bed length options to be suitable for many jobs. Custom applications can be met on the job with a sixty-inch extension to further the reach of standard bed length side loaders. Side loaders need to consider aisle widths and guide rails prior to customization. One popular feature for these forklifts is multidirectional capability. These side loaders have crab steering which allows two wheels to operate independently from the others. This feature allows the side loader to move in all four directions by changing the direction of the wheels, allowing the forklift to move sideways into narrow storage aisles without making large, swing-out turns or multiple adjustments. The smaller turning radius increases safety while decreasing damage to product and facilities. Efficiency is further achieved by lessening the space and time required to travel around the job. Numerous side loader features can be customized to suit a job site. Customizable options include lift capacities, lift mast heights, tine length, mirrors, lights and more. 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.