

Multi Directional Forklift

Used Side Loader Forklift Fullerton - A side loader forklift truck is made for lifting very heavy and long items within the confines the narrow aisles of a warehouse, lumber yard, loading dock or other facility. These machines have derived their name from the way they unload, load and transport material. 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. Side loaders offer a safer, unobstructed view for the operator which is a greater improvement over the standard forklift with its front-carrying design and the fork tines. Side loaders can access narrow aisles and tinier doorways with ease since loads are transported down the side of the machine instead of on the front as with a standard forklift. The load may have to be raised on regular forklifts to travel around obstacles that increase the chances of tipping over. A side loader forklift makes much of that maneuvering unnecessary. Operating in narrow warehouse locations is much safer and more accurate with side loaders. 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 feature allows the operator to match speed to a specific application.

Types of Side Loader Forklifts Class 2 - Electric Motor Narrow Aisle Trucks Side loader forklifts often fall under the Class 2 - Electric Motor Narrow Aisle Trucks classification. This class captures the forklifts that operate in narrow aisles with electrically sourced power. These are popular in warehouses, covered loading docks and other facilities that use a narrow aisle configuration or require moving between narrow spaces and where long items such as laminates, carpet, bar stock, lumber and furniture are stocked. These machines are used for feeding machine tools and rack storage. 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. Class 2 side loaders take up less space compared to traditional forklift trucks. This design facilitates better speed and efficiency for moving, loading and unloading 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 common at steel and pipe yards and lumber and timber yards. They accurately transport loads from storage areas including racking, flatbeds, and stacking loads in blocks. Side loaders used in these contexts must be able to work outdoors, often in varying temperatures and over uneven surfaces. There are internal combustion models available and they may use pneumatic tires for more stable transport. 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 Stand-on side loaders are often seen in interior locations. It consists of a platform area that is surrounded by controls and usually found in the middle of the machine. 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. This creates a forklift with a smaller footprint which is advantageous for traveling within confined locations. The operator also has increased visibility when operating in a standing position, especially when operating the forklift in reverse. 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. Stand-up models have comfort and safety. Better operator visibility lessens injuries and product damage. 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** The sit-down side loader is more popular than standing loaders. 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. The advantages of a sit down side loader are mostly in operator comfort. 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. 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. These machines can function in a multidirectional manner. Side loaders have crab steering to enable them to have two wheels operate separately from others. This design allows the machine to move in all 4 directions via changing wheel direction. The side loader can travel sideways and fit into narrow storage locations without making multiple adjustments or giant swing-out turns. The smaller turning radius helps to avoid damage to items and the building while increasing safety. Efficiency is further achieved by lessening the space and time required to travel around the job. It is possible to customize a variety of side loader forklift features for specific jobs. Lift mast heights, lights, mirrors, lift capacities and tine length and other features are all customizable. 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.