

## Multi Directional Forklift

Used Side Loader Forklift Concord - Side loader forklifts are ideal for lifting long and heavy materials in narrow locations such as warehouse aisles, loading docks, lumber yards, etc. These machines have derived their name from the way they unload, load and transport material. Benefits of Side Loader Forklifts v Standard Forklifts It is common for forklifts that rely on the standard counterbalance design to potentially become unstable when unloading or loading heavy items. The side loader forklift can tackle these awkward loads including timber and extensive pipes with greater stability. Excessive loads including pipes, steel or timber can be handled easier thanks to the design of having the load face the direction of travel. 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. 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 Side loader forklifts often fall under the Class 2 - Electric Motor Narrow Aisle Trucks classification. This classification, as the title description suggests, encompasses forklifts that operate in narrow aisles and are powered by an electrical source. 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. Narrow aisle locations are popular in warehouses for allowing maximum storage design and efficiency. 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. Dangerous internal combustion emissions are eliminated due to their electrical power use, making side loaders excellent for interior applications. 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. Internal combustion models are common. These units rely on pneumatic tires for better transportation. Side loaders can efficiently load cumbersome items that are long and heavy by securing them in the middle. 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. This means the forklift has a smaller footprint which is an advantage when maneuvering around tight, high-traffic areas. There is better visibility for the operator when working in a standing position, particularly while operating the machine backward. 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. 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 The sit-down side loader is more popular than standing loaders. Similar to the side loader stand, the sit-down unit features a centrally

located cab. 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. Operators can control the machine from a resting position, greatly reducing fatigue and increasing productivity. Customizable Features Because of the wide range of jobs that use side loader forklifts, the side loader is available in customizable bed lengths. 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. 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. 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. More efficiency is attained since there are less space and time needed to move around the job site. Several other features on side loader forklifts are often customized based on jobsite application. 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.