

HEYN

FORKTRUCK

Forklift Fuel Selector



Determining the best-suited forklift fuel type for your business application is an important factor in running an efficient and cost-effective operation. We have devised a chart to help you determine which fuel type would be best suited to your business operation and workplace

	Diesel	Electric	LPG
Environment	Outdoor only	Indoor & Outdoor	Indoor & Outdoor
Application	Heavy Lifting	Various	Various
Emissions	High Carbon Emissions & Fumes	None	Clean Burning & Non-toxic
Refuelling	Quick Process	8-10 Hours full battery charge	Quick Process
Maintenance	Regular Maintenance	Minimal Maintenance	Regular Maintenance
Noise	Loud	No Noise	Minimal Noise

Diesel

Diesel forklifts are most commonly used for heavy lifting, industrial or outdoor applications. The lifting capacity for a diesel forklift ranges from 1.5 to 10 tonne

Advantages	Disadvantages
Refuelling is easier and more convenient	Requires an EPA standard fuel reserve storage room
Better lifespan when compared to LPG counterparts	More maintenance required than electrical counterpart
They have higher torque compared to LPG or Electric trucks, which improves performance on gradients and increases the power available for towing	Can only be operated in well ventilated or open areas
	They require a larger area for both movement and storage

LPG

LPG forklifts offer the versatility to be used in both indoor and outdoor applications. Emissions from LPG forklifts are much lower than their diesel counterparts making it safe to use indoors and reduce your business carbon footprint.

Advantages	Disadvantages
Low carbon emission - burns cleaner than diesel with no soot	Higher maintenance and fuel costs
Cheaper to purchase with lower initial investment costs	Requires on-site storage of large propane gas cylinders which can be dangerous if not stored correctly
More compact than Diesel trucks, easy to manoeuvre and store	
Lower noise levels resulting in lower impact on operators ears	Can not be used in some environments due to potential gas leak

Electric

Electric forklifts are battery operated and most commonly used for indoor or cold storage applications. These forklifts are safe to use in closed food processing environments because of their no emissions status.

Advantages	Disadvantages
Best suited for indoor and small areas due to their compact size	Not appropriate for outdoor use in wet weather
Cheaper fuel consumption when it comes to hourly work	Requires 8-10 hours recharge time which means the truck will be out of use in those hours
Less maintenance because it is more mechanically simplistic (no transmission, torque converter etc) and the use of enclosed AC motor technology means reduce exposure to dust.	
	On-site recharge station needs to be installed that is kept dry