

VEVOR

Upgrade · The Home Creator Way



DCEX40



DCEX40A

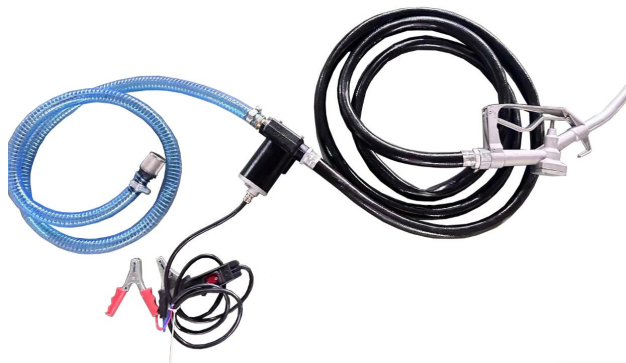
VEVOR Support Center

DC Fuel Transfer Pump

Model: DCEX40 / DCEX40A



MODEL: DCEX40



Model: DCEX40A

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

Warning-To reduce the risk of injury, user must read instructions manual carefully. The product complies with relevant standards and regulations. Installation of this device must comply with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children shall not play with the appliance. "This appliance is intended to be used in gas station, farm. Please use the product according to the intended use, warn of potential injury from misuse. Always disconnect the appliance from the supply if it is left unattended and before assembling, disassembling or cleaning. WARNING: Only use the supply unit provided with this appliance. Warning: Only use an external power supply that meets the specifications." Do not use the pump in flammable or explosive areas. Keep away from flames, sparks, mobile phones and static sources during operation.

Use only for the specified type of fuel. Do not use for unspecified flammable liquids.

Read and understand all instructions before installation and operation. Non-professionals are prohibited from installing, repairing or modifying the pump.

Ensure the power supply voltage matches the nameplate rating before connection. Do not reverse or incorrectly connect power.

The pump must be properly grounded during operation to prevent static electricity buildup that may cause fire or explosion.

Do not continue to use the pump if leakage, damage, abnormal noise or overheating occurs.

Do not smoke, use open flames or spark-generating tools during fuel transfer.

Ensure hoses and fittings are tightly sealed to prevent fuel leakage. Stop operation immediately if leakage is found.

Keep children away from the operating area. Do not allow children to operate or play with the equipment.

Do not leave the pump unattended while in operation.

Electrical connections must comply with explosion-proof and safety regulations. Do not plug or unplug power in hazardous areas.

If fuel contacts skin or eyes, flush with water immediately. If swallowed, do not induce vomiting and seek medical help at once.

Disconnect power, relieve pipeline pressure and clean residual fuel before maintenance.

The pump is intended for specified fuel transfer only. Do not use for other purposes."

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices

MAIN SPECIFICATIONS

Model	DCEX40	DCEX40A
Voltage	DC12V	DC12V
Power	1/7 HP	1/7 HP
Max Flow	10 GPM	10 GPM
Max lift	30 FT	30 FT
Max Suction lift	7 FT	7 FT
Applicable temperature	-25~50℃	-25~50℃
Working hours	Work for 30 minutes, stop for 30 minutes (at room temperature).	

GENERAL SAFETY RULES



ATTENTION: Please save these instructions for future reference.

Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage. Please refer to pump body for information regarding this product and other important information.

Usage Requirements:

This pump is designed, tested and approved for use with thin viscosity petroleum fuels such as gasoline blends (up to E15), diesel fuel blends (up to B20) and kerosene.

Please take all due precautions when handling these flammable liquids. Do not use this pump for transferring any fluids other than those for which it was designed. To do so may damage the pump components.

GENERAL SAFETY INSTRUCTIONS

IMPORTANT: It is your responsibility to:

- Know and follow applicable national state and local safety codes pertaining to installing and operating electrical equipment for use with flammable liquids
 - Know and follow all safety precautions when handling petroleum fuels
 - Ensure that all equipment operators have access to adequate instructions concerning safe operating and maintenance procedures
- Observe all safety precautions concerning safe handling of petroleum fuels



DANGER

To prevent physical injury or property damage, observe precautions against fire or explosion when dispensing fuel.

Do not operate the pump in the presence of any source of ignition including running or hot engines, lighted tobacco products, gas or electric heaters, or any type of electronic device. A spark can ignite fuel vapors.

 WARNING

Avoid prolonged skin contact with petroleum fuels. Use protective goggles, gloves and aprons in case of splashing or spills.
Change saturated clothing and wash skin promptly with soap and water.

 WARNING

Any components such as hose, nozzle, or meter added to your pump must be statically grounded and approved for use with petroleum fuels.

 WARNING

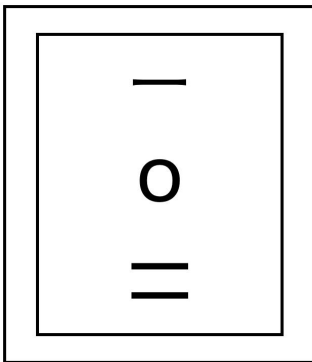
This product shall not be used for pumping fuel or other liquids into aircraft.

Enviroment Condition

Temperature	-25℃ ~ +50℃
Relative Humidity	30% ~ 90%
Atmospheric Pressure	86Kpa ~ 106Kpa

INSTALLATION & WIRING

1. Before electrical installation, ensure all parts are well installed, connected, grounded and well sealed.
2. Place the switch into the OFF position to prevent accidental spillage once power is engaged to the motor.
3. Pass the electrical wires to the power source and make sure the alligator clips are correctly connect to the negative (-) or positive (+) poles on the power source.
4. Open the fueling nozzle to fuel equipment.
5. When fueling is complete, return the nozzle to its storage position and turn off the Pump.



Double way switch

The switch futures double way function:

“I” : pump ON and flow move by the arrow direction.

“O”: pump OFF.

“= ”: pump ON and run reversely.

COMMON TROUBLESHOOTING

Symptom	Cause	Cure
Pump won't prime	Suction line problem	Check for leaks or restrictions in suction line
	Bypass valve open	Remove and inspect valve; must move freely and be free of debris
	Vanes sticking	Check vanes and rotor slots for nicks, burrs, and wear
	Excessive rotor or vane wear	Inspect rotor and vanes for excessive wear or damage; replace if necessary
	System blockages	Check filter and bypass valve for debris; remove nozzle and test flow with pump ON
Low capacity	Excessive dirt in screen	Remove and clean screen
	Suction line problems	Check for leaks or restrictions in suction line
	Bypass valve sticking	Remove and inspect valve; must move freely and be free of debris
	Outlet blocked	Check pump outlet hose, nozzle, and filter for blockage
	Vanes sticking	Check vanes and rotor slots for wear; replace if necessary
	Excessive rotor or vane wear	Inspect rotor and vanes for excessive wear or damage; replace if necessary
	Hose or nozzle damage	Replace hose or nozzle
	Plugged filter	Replace filter
	Low fluid level	Fill tank
Motor overheats	Clogged screen	clean screen
	Restricted suction pipe	Remove and clean pipe
	Motor failure	Contact your local supplier for repair or replace
	Pump rotor lock-up	Clean and check pump rotor and vanes

