

ISUZU
TRUCK



FMI ELECTRIC DRIVE VEHICLES



Truck Sales & Service

ELECTRIC DRIVE

1-800-927-8750

DRIVE MOTOR

The FMI Isuzu Electric Drive comes standard with a 9" fan cooled 96 Volt - 20 KW Series D.C. motor. With thermal and over RPM protection it provides up to 85 peak HP with continuous duty service.



BATTERIES

FMI's Isuzu Electric Drive system comes standard with sixteen lead acid 245 amp hour rated 6-volt batteries. Each battery pack comes equipped with slide out trays for easy service and a Watermaster single point battery watering system. Optional battery upgrades are available to meet application needs and increase distance ranges.



CONVERTORS

FMI's Electric Drive system uses two 96 Volt DC/DC converters to continually charge the chassis batteries. This continual charging ensures the 12-24 Volt chassis batteries have the power needed for accessories and normal applications.

CHARGER

The FMI Isuzu Electric Drive system offers the flexibility to meet your charging needs. Optional onboard or fixed chargers are available up to 5 KW.



CONTROLLER

FMI's Isuzu Electric Drive system uses a 96 Volt 500 amp series controller. Together with the electric throttle pedal it controls speed and acceleration as it monitors and controls the amount of power going to the drive motor for smooth, silent, and efficient driving operation.



CAPACITIES

Specifically designed for airport ground support equipment (GSE) applications, the electric vehicle has a GVWR of 12,000, 14,500 or 16,000 lbs. and a top speed of 25 MPH (40 KPH) forward, 7 MPH (11 KPH) reverse, along with a traveling distance from 17 to 35 miles (27 to 65K) between charging. Opportunity charging can dramatically increase maximum daily mileages.



SAFETY

The Isuzu Electric Drive system was designed with many standard safety features to meet the needs of GSE applications. All electric drive system components are mounted a minimum of 18" from the ground. The drive system power is isolated and uses a fuse on the ground side along with an automatic breaker on the positive side. In addition, the operator can manually trip the breaker from the cab or disengage the system with the external 96 Volt master disconnect switch. The chassis batteries can also be disengaged with a 12-24 Volt master disconnect switch. Each unit offers a charge interlock safety to prevent the vehicle from being driven off while the charger is still connected to the vehicle. A Body Builder interlock safety plug is also standard.



ADDITIONAL FEATURES

The Isuzu Electric Drive system comes with the easy tilting Hexapod cab that features plenty of room for three passengers, built in storage, tilt and telescopic steering, power windows and door locks, improved visibility, 1500 Watt cab heater, easy to read gauges and system indicator lights, and convex mirrors.

SPECIFICATIONS

COMPONENTS	STANDARD SPECIFICATIONS		
MODELS	ISUZU NPR	ISUZU NPR HD	ISUZU NPR XD
GVWR	12,000	14,500	16,000
GAWR FRONT	4,700 LB Capacity	5,360 LB Capacity	6,630 LB Capacity
GAWR REAR	7,950 LB Capacity	9,880 LB Capacity	11,020 LB Capacity
TIRES	215/85R - 16E (10 ply)	225/70R - 19.5F (12 ply)	225/70R - 19.5F (12 ply)
BRAKE SYSTEMS	Electric/Vacuum/Hydraulic. Front Disc, Rear Drum Power Brakes.		
CAPACITIES	<i>Speed: 25 MPH.; Travel Distance (unloaded): 15-20 miles; Travel Distance (loaded): 12-17 miles; Charge Time: 3 hours to 80% charge; Charging Energy Requirements: 220V/480V - 30A/15A - 50/60 Hz</i>		
CONTROLS	Safety Interlock System: Charger & Accessory.		
ELECTRICAL SYSTEM	<i>System Voltage: 96 Volt; Controller: 96V/500; Charger: 5KW Automatic; Batteries: Lead Acid 245 A/h 6V; Quantity: 16; Battery Watering System: Single point</i>		
ELECTRICAL MOTOR	<i>Series: 96 V, 85 Peak Horsepower, 27 Horsepower Continuous Duty</i>		
HEATER	Integral Heater. 1,500 Watts		
MIRRORS	Convex Spot Mirrors		
STEERING	Tilt & Telescopic Power Steering, Electric-Hydraulic		
TRANSMISSION	Manual; Locked in Gear with Neutral Lock Out for Towing		
WARRANTY	<i>Basic Vehicle: 0-24 Months, Unlimited Miles, No Charge for Parts or Labor. Drive Motor: 0-12 Months, Unlimited Miles, No Charge for Parts or Labor.</i>		
COMPONENTS	AVAILABLE OPTIONS		
BATTERIES	Lead Acid: 305 A/h and 345 A/h. Gel Pack Batteries (tanker only)		
CHARGER	7 KW and 9 KW Automatic		
CAB HEATING	3000 Watts		

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