

Lenze Lenze Series Service Manual

ESMD152L4TXA

1. Description

The ESMD152L4TXA component from Lenze is designed as a three-phase drive with a power rating of 1.5 kW. It operates at a supply voltage of 400V and is tailored for applications involving pumps, fans, and general machinery.

2. Specifications

Specification	Value
Manufacturer	Omron
Product	Line Other
Part	Number ESMD152L4TXA
Power	Rating 1.5 kW
Enclosure	IP 20
Current	Rating (Amps) 3.8 (Rated), 4.8 (Maximum)
Overload	Capacity 150% for 1 minute
Supply	Voltage Three Phase, 400V
Application	Pumps, Fans, General Purpose
Phase	3 Phase
Filter	Required as separate unit
Output	Frequency 0-240 Hz, up to 500 Hz
Performance	Level Basic
Main	Power Supply Voltage 400V (Three-phase)
Current	(at Full Load) 4.8 AMP
Enclosure	Protection IP 20 (Open frame, for installation in a control panel)

3. Product Information

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Technical specifications for ESMD152L4TXA

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Product Line Other

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Phase 3 Phase

Filter Required as separate unit

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Performance Level Basic

Main Power Supply Voltage 400V (Three-phase)

Current (at Full Load) 4.8 AMP

Enclosure Protection IP 20 (Open frame, for installation in a control panel)

Description

Lenze’s ESMD152L4TXA is a three-phase drive rated at 1.5 kW. It is primarily intended for use in diverse applications such as pumps, fans, and general-purpose equipment. It functions with a main voltage supply of 400V AC. Current ratings indicate a standard operating current of 3.8 A and a maximum capacity of 4.8 A during peak loads. The drive’s enclosure is classified as IP 20, providing suitable protection for installation in control panels without additional guards. This model features an output frequency range from 0 to 240 Hz, with a maximum frequency of up to 500 Hz, which enhances its adaptability to various operational scenarios. Moreover, the ESMD152L4TXA can withstand brief overload conditions, permitting up to 150% above its rated capacity for one minute. It operates at a basic performance level, emphasizing functional reliability. Note that a separate filter unit is needed when using this drive to ensure optimal functionality.