

SEW MM15D-503-00

MOVIMOT D decentralized inverter rated 1.5 kW

Product scope

- The type key assigns 1.5 kW motor power, D-version electronics and a 380–500 V AC input class.
- Variable-frequency output supports local motor control over a documented 2 to 120 Hz range.
- The exact-match unit record identifies a 1.3 kg assembly measuring 18 x 10.5 x 13.6 cm.

Manufacturer source

SEW-EURODRIVE MOVIMOT D operating instructions 27780066.

This English web copy combines exact-model specifications with detailed function, system role, operating principle, application scenarios and installation boundaries.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	SEW MM15D-503-00	

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SEW MM15D-503-00

MOVIMOT D decentralized inverter rated 1.5 kW

Verified technical specifications

Values below apply to the exact model or nameplate identified on this page; adjacent family variants are not merged.

Rated motor power	1.5 kW
Mains voltage	3 x 380 to 500 V AC
Mains frequency	50 to 60 Hz
Rated output current	4.0 A
Output frequency	2 to 120 Hz
Apparent output power	2.8 kVA
Ambient temperature	-30 to +40 deg C at rated operation
Inverter family	MOVIMOT D
Control concept	Motor-mounted decentralized drive electronics
Mass	1.3 kg
Exact-match dimensions	18 x 10.5 x 13.6 cm
Type-code motor power	15 = 1.5 kW
Version	D
Connection voltage code	50 = 380 to 500 V AC
Connection type code	3 = three-phase
Execution code	00 = standard
Rated mains current at 460 V	3.0 A
Permitted mains range	380 V -10% to 500 V +10% AC
Remote-mount motor cable	Up to 15 m with SEW-EURODRIVE hybrid cable

Product function and system role

Exact configuration

SEW-EURODRIVE MM15D-503-00 is a standard MOVIMOT D decentralized inverter for a 1.5 kW motor and a three-phase 380–500 V AC supply. It places variable-frequency motor control at or near the geared motor.

MM15D-503-00 decodes as a MOVIMOT D inverter for 1.5 kW, the 380–500 V voltage class, three-phase connection and standard execution. By integrating power electronics close to the motor, it reduces the need for long shielded motor leads and central cabinet drive hardware.

Functional role

Its decentralized architecture converts mains power beside the machine axis and sends controlled three-phase output directly to the matched motor.

The supplied code ends in -00, identifying the standard inverter execution rather than an option-specific remote-mount assembly.

Key operating characteristics

- The type key assigns 1.5 kW motor power, D-version electronics and a 380–500 V AC input class.
- Variable-frequency output supports local motor control over a documented 2 to 120 Hz range.
- The exact-match unit record identifies a 1.3 kg assembly measuring 18 x 10.5 x 13.6 cm.

Operating principle and application guidance

Working principle

The inverter rectifies the incoming three-phase supply and synthesizes a variable-frequency output for controlled acceleration, speed and deceleration. Its documented 2.8 kVA output capability, 4.0 A rated output and 2–120 Hz frequency range suit decentralized conveyor and materials-handling axes when paired with an approved SEW motor.

Confirm star/delta assignment, SEW motor combination, brake option, connector box and communication equipment before moving parameters to another unit.

Application scenarios

- Conveyor zones can place independent speed control at each geared motor while minimizing central cabinet cabling.
- Packaging machines can use the inverter for controlled acceleration where mechanical shock must be reduced.
- Materials-handling modules can be built as replaceable decentralized drive sections with locally integrated motor electronics.

Integration and replacement boundary

A replacement decision must include the complete drive nameplate, connected motor data, mounting arrangement and any fieldbus or brake components. The -00 standard execution does not by itself identify every connection-box, motor or option detail used in the finished MOVIMOT drive assembly.

Critical technical check

MM15D-503-00 must be commissioned with the connected motor, DIP-switch assignment and braking arrangement verified; loading an unmatched motor setting can cause overheating or inadequate torque.

Manufacturer evidence used

- SEW-EURODRIVE MOVIMOT D operating instructions 27780066.
 - Official source: <https://download.sew-eurodrive.com/download/pdf/27780066.pdf>
 - Official product documentation: <https://download.sew-eurodrive.com/download/html/33954240/es-ES/3524776971.html>
- Exact product identity checked: SEW MM15D-503-00



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