

A scalable, compact inverter designed for simplicity and flexibility.

MOVITRAC® advanced is a compact, easy-to-use inverter designed for motion control and automation applications where **simplicity, flexibility, and long-term value** matter. It starts up quickly, adapts easily to different motors and applications, and delivers the performance customers expect—without unnecessary complexity.

The result is a drive that's simple enough to deploy quickly, powerful enough to support demanding applications, and provides scalable flexibility.



Key Benefits.

- **Easy to get up and running** - Plug-and-play startup with electronic nameplate recognition and preconfigured software modules means less setup time and complexity, available with MOVILINK® DDI.
- **One drive for many applications** - A single inverter platform that controls induction, servo, and permanent-magnet motors—with or without an encoder.
- **Reduced wiring and faster commissioning** - Optional MOVILINK® DDI single-cable technology combines power, feedback, brake control, and diagnostics in one robust cable.
- **Built for motion and automation** - Supports speed, torque, and positioning functions without moving to a full servo system.
- **Seamless integration with SEW gearmotors** - Designed to work natively with SEW-EURODRIVE motors and gearmotors for optimized performance and simplified support.
- **Future-ready by design** - MOVI-C® modular automation system is scalable, standardized, and ready for future expansion.

MOVITRAC® advanced is a versatile inverter for customers who need motion capability, flexibility, and simplicity—without unnecessary system complexity.



Technical Overview

Feature

Wide power range (0.25–315 kW)

Motor capability

MOVILINK® DDI technology option

Electronic motor nameplate

MOVIKIT® software modules

Integrated functional safety (STO standard)

Broad fieldbus support

Portable memory module

Benefit

A single inverter with a wide power range — multiple applications with fewer variants

One inverter platform works with servos, induction motors, and permanent magnet motors—simplifying inventory

Single cable with connectorized, error-free installation, with built-in access to motor data and diagnostics

Benefit from MOVILINK® DDI with automatic parameter setup to shorten commissioning time and ensure the drive is configured correctly every time

Parameterization instead of programming allows faster startup for common applications like conveyors, hoists, and positioning tasks

Built-in safety functions reduce the need for external components and simplify compliance

EtherNet/IP®, Modbus®, EtherCAT®, FSOfE®, PROFINET®, PROFlsafe®, SBUSPlus®, CIP Safety™

Fast drive replacement without a PC minimizes downtime and service effort

Feature Comparison

Capability	MOVITRAC® advanced	Typical General-Purpose VFD
One drive for multiple motor types	✓ Yes	✗ Often limited
Motion & positioning capability	✓ Integrated	⚠ Often requires higher-end model
Single-cable motor connection	✓ MOVILINK® DDI	✗ Multiple cables
Plug-and-play motor startup	✓ Electronic nameplate	✗ Manual setup
Integrated safety functions	✓ Standard STO, scalable	⚠ Optional / limited
Automation ecosystem	✓ Part of MOVI-C®	⚠ Standalone product

(Competitive positioning based on internal comparisons and customer field experience.)

Take the next step to explore MOVITRAC® Advanced technology further.



PDF Brochure

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