

# 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	Benefit
Wide power range (0.25–315 kW).....	A single inverter with a wide power range — multiple applications with fewer variants
Motor capability .....	One inverter platform works with servos, induction motors, and permanent magnet motors—simplifying inventory
MOVILINK® DDI technology option .....	Single cable with connectorized, error-free installation, with built-in access to motor data and diagnostics
Electronic motor nameplate .....	Benefit from MOVILINK® DDI with automatic parameter setup to shorten commissioning time and ensure the drive is configured correctly every time
MOVIKIT® software modules.....	Parameterization instead of programming allows faster startup for common applications like conveyors, hoists, and positioning tasks
Integrated functional safety (STO standard) .....	Built-in safety functions reduce the need for external components and simplify compliance
Broad fieldbus support.....	EtherNet/IP®, Modbus®, EtherCAT®, FSoE®, PROFINET®, PROFIsafe®, SBusPlus®, CIP Safety™
Portable memory module .....	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.**



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