MOVI-C® Cabinet Inverter Overview

Full integration into MOVI-C® automation platform

Powerful MOVIKIT® software modules for pre-programmed motion function

Intuitive and quick startup

	MOVITRAC		MOVIDRIVE	
	advanced	technology	system	modular
Intro	*Compact allrounder for most applications*	*Allround drive for challenging applications mainly with fieldbus control*	*Single axis inverter for operation mainly with MOVI-C CONTROLLER*	*Multiaxis system in single and double axis module configuration for operation mainly with a MOVI-C CONTROLLER*
Power Range	0.25 – 315 kW 0.33 – 420 Hp	0.55 – 315 kW 0.75 – 420 Hp	0.55 – 315 kW 0.75 – 420 Hp	2 – 180 A (single and double axis modules available)
Power Supply	3 x AC 380 V – 500 V 3 x AC 200 V – 240 V 1 x AC 200 V – 240 V	3 x AC 380 V – 500 V 3 x AC 200 V – 240 V		3 x AC 380 V – 500 V
Overload Capabilities	150 % (for 30s at f_{PWM} 4 kHz)	200 % (for 3s at f_{PWM} 4 kHz)		250 % (for 1s at f_{PWM} 4 kHz)
Fieldbus Options (besides binary)	Built-in module: PROFINET, EtherNET/IP, Modbus TCP, , EtherCAT CiA402, POWERLINK CiA402, EtherCAT/SBus^{PLUS}, EtherCAT process data	Option cards: PROFINET, PROFIBUS, EtherNET/IP, Modbus TCP, Built-in: EtherCAT/SBus^{PLUS} EtherCAT process data	Built-in: EtherCAT SBus^{PLUS}, CiA402, EtherCAT process data	
Control Modes	V/f, VFC^{PLUS}, ELSM, CFC for all common motor types			
Encoder Interface (built-in)	MOVILINK DDI encoder, HTL encoder	MOVILINK DDI encoder, HTL 12/24V (Differential), TTL / RS422 (Differential), SIN/COS 1 Vss (Differential), HIPERFACE® with SIN/COS signal 1 Vss, SEW encoder (RS485) with SIN/COS signal 1 Vss, Resolver		
Secondary Encoder	Not possible	With secondary encoder option card: SSI, CANopen, EnDat 2.1, all above but resolver		
I/O	6 DI, 2 DIO, + safe IO with option	8 DI, 4 DO, 3 relay contacts, I/O expansion w/ option card, + safe IO with option	6 DI, 4 DO, I/O expansion w/ option card, + safe IO with option	Single axis: 6 DI, 4 DO, Double axis: 12 DI, 8 DO, I/O expansion w/ option card, + safe IO with option
Safety Functions (optional)	Configurable, built-in safety modules: STO, SS1b and c, SBC, SLS, SSM, SDI	STO as built-in standard, Safety functions with option card: SS1b and c, SS2, SLA, SSM, SSR, SBC, SBT, SLS, SDI, SLI, SCA, SLP		
Safe Communication (optional)	PROFIsafe, FSoE, ISOFAST	PROFIsafe, FSoE		