

ARTDrive L - System

Lift Drive System

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The Gefran-SIEI Lift Drive System is the ultimate integrated system dedicated to the elevator industry and to general lift applications using both synchronous and asynchronous motors.

Il Drive-System Gefran-SIEI rappresenta quanto di più avanzato per il controllo dei motori sincroni ed asincroni utilizzati negli impianti lift, integrando in un'unica soluzione tutte le funzioni esterne necessarie al controllo del sistema.



Available with a wide range of voltage inputs and in multiple configurations to suit customer requirements.

Disponibile in configurazioni universali per soddisfare le molteplici tecnologie di impianto ed alimentazioni.

AGyL Inverter Highlights

- Sensorless drive type
- Asynchronous motor control
- New installation and retrofitting
- Speed range up to 1m/s open-loop, up to 1.5m/s closed-loop

Serie AGyL – Caratteristiche principali

- Controllo Sensorless
- Gestione motori asincroni
- Nuove installazioni e retrofitting
- Range di velocità fino a 1m/s (anello aperto) e fino a 1,5m/s (con encoder)

AVyL Inverter Highlights

- Flux Vector drive type
- Asynchronous and synchronous motor control
- New installation and retrofitting.
- Speed range up to 5m/s
- Geared and Gearless

Serie AVyL – Caratteristiche principali

- Controllo vettoriale ad orientamento di campo
- Gestione motori sincroni ed asincroni
- Nuove installazioni e retrofitting.
- Range di velocità fino a 5m/s
- Motori Geared e Gearless

AGyL or AVyL – General Specifications:

- Power supply: 3 x 230Vac... 480Vac, 50/60Hz
- Motor ratings from 4kW (5Hp) to 15kW (20Hp)
- Internal input EMI filter
- Internal DC choke
- Internal Output contactors (auxiliary supply on choice)
- Programming Keypad

AGyL ed AVyL – Caratteristiche principali

- Alimentazione: 3 x 230Vac... 480Vac, 50/60Hz
- Range potenze da 4kW (5Hp) a 15kW (20Hp)
- Filtro EMC integrato
- Induttanza DC integrata
- Contattori di uscita integrati (tensioni ausiliarie a scelta)
- Tastiera di programmazione

...life is elevation.

English__Italiano



ARTDrive L "System" Technical Specifications

System Type		2040	2055	2075	3110	3150
U _{LN} AC input voltage	[V]	230V -15%...480V + 10%,3Ph				
AC input frequency	[Hz]	50/60Hz ± 5%				
I _N AC input current for continuous service:						
@ 230Vac; IEC 146 class 1	[A]	7	9.5	14	18.2	25
@ 400Vac; IEC 146 class 1	[A]	7.9	10.7	15.8	20.4	28.2
@ 460Vac; IEC 146 class 1	[A]	7	9.3	13.8	17.8	24.5
Max short circuit power	[kVA]	650	850	1200	1700	2250
Braking IGBT unit standard internal (w / external resistor); max braking power (@ 400V)		140 %	150 %	110 %	100 %	130 %
Inverter Output (IEC 146 class 1) continuous service (@ 400Vac)	[kVA]	6.5	8.5	12	16.8	22.4
Inverter Output (IEC 146 class 2) 150% overload for 60s (@ 400Vac)	[kVA]	5.9	7.7	10.9	15.3	20.3
P _N mot (recommended motor output), f _{sw} =default:						
@ U _{LN} =230Vac; IEC 146 class 1	[kW]	2.2	3	4	5.5	7.5
@ U _{LN} =230Vac; IEC 146 class 2	[kW]	2.2	3	4	5.5	7.5
@ U _{LN} =230Vac; IEC 146 class 1	[Hp]	3	4	5	7.5	10
@ U _{LN} =230Vac; IEC 146 class 2	[Hp]	3	4	5	7.5	10
@ U _{LN} =400Vac; IEC 146 class 1	[kW]	4	5.5	7.5	11	15
@ U _{LN} =400Vac; IEC 146 class 2	[kW]	4	5.5	7.5	11	15
@ U _{LN} =460Vac; IEC 146 class 1	[Hp]	5	7.5	10	15	20
@ U _{LN} =460Vac; IEC 146 class 2	[Hp]	5	7.5	10	15	20
U ₂ max output voltage	[V]	AG _y = 0.94 x U _{LN} (AC input voltage); AV _y = 0.98 x U _{LN} (AC input voltage)				
f ₂ max output frequency	[Hz]	Up to 500				
I _{2N} rated output current, f _{sw} =default:						
@ U _{LN} =230-400Vac; IEC 146 class 1	[A]	9.6	12.6	17.7	24.8	33
@ U _{LN} =230-400Vac; IEC 146 class 2	[A]	8.7	11.5	16.1	22.5	30
@ U _{LN} =460Vac; IEC 146 class 1	[A]	8.3	11	15.4	23.1	29.7
@ U _{LN} =460Vac; IEC 146 class 1	[A]	7.6	10	14.0	21.0	27.0
f _{sw} switching frequency (default)	[kHz]	8				
f _{sw} switching frequency (higher)	[kHz]	AG _y = 10/12/14/16; AV _y = 12/16				

Dimensions

mm (inches)

