2008

Drive Series for Elevator Applications

SIEIDrive-Lift System

Lift Drive System

Lift Drive System

The Gefran 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 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.

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

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

AGyL or AVyL – General Specifications:
- → Power supply: 3 x 230Vac… 480Vac, 50/60Hz
- → Motor ratings from 4kW (5Hp) to 37kW (50Hp)
- → Internal input EMI filter
- → Internal DC choke
- → Internal Output contactors (auxiliary supply on choice)
- → Programming Keypad

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

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)*

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 ed AVyL – Caratteristiche principali
- → *Alimentazione: 3 x 230Vac… 480Vac, 50/60Hz*
- → *Range potenze da 4kW (5Hp) a 37kW (50Hp)*
- → *Filtro EMC integrato*
- → *Induttanza DC integrata*
- → *Contattori di uscita integrati (tensioni ausiliarie a scelta)*
- → *Tastiera di programmazione*

...life is elevation.

English__Italiano

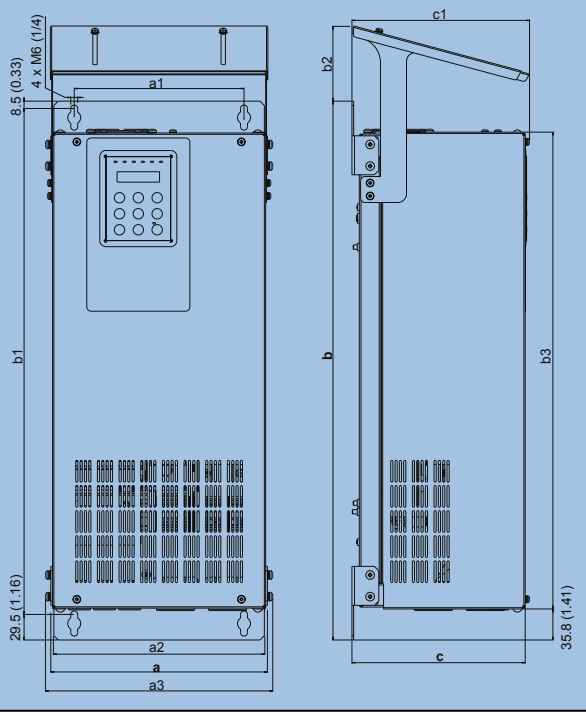
GEFRAN

SIEIDrive Lift "System" Technical Specifications

	AVy SISL		2040	2055	2075	3110	3150	4371
Drive Type	**AGy SISL**		**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		[A]	7	9.5	14	18.2	25	69
@ 400Vac		[A]	7.9	10.7	15.8	20.4	28.2	77
@ 460Vac		[A]	7	9.3	13.8	17.8	24.5	66
Max short circuit power		[kVA]	650	850	1200	1700	2250	5500
Braking IGBT unit standard internal (w / external resistor); max braking power (@ 400V)			140 %	150 %	110 %	100 %	130 %	150 %
Inverter Output continuous service (@ 400Vac)		[kVA]	6.5	8.5	12	16.8	22.4	55
Max Overload			183% for 10s					
P_N mot (recommended motor output), f_{SW}=default:								
@ U_{LN}=230Vac		[kW]	2.2	3	4	5.5	7.5	18.5
@ U_{LN}=230Vac		[Hp]	3	4	5	7.5	10	25
@ U_{LN}=400Vac		[kW]	4	5.5	7.5	11	15	37
@ U_{LN}=460Vac		[Hp]	5	7.5	10	15	20	50
U_2 max output voltage		[V]	AGy = 0.94 x U_{LN} (AC input voltage); AVy = 0.98 x U_{LN} (AC input voltage)					
f_2 max output frequency		[Hz]	AGy = up to 420, AVy = up to 500					
I_{2N} rated output current, f_{SW}=default:								
@ U_{LN}=230-400Vac; IEC 146		[A]	9.6	12.6	17.7	24.8	33	79
@ U_{LN}=460Vac; IEC 146		[A]	8.3	11	15.4	23.1	29.7	68
f_{SW} switching frequency (default)		[kHz]	8					
f_{SW} switching frequency (higher)		[kHz]	AGy = 10/12/14/16; AVy = 12/16					

Dimensions

mm (inches)



Size	a	a1	a2	a3 max	b	b1	b2	b3	c	c1	weight
	mm (inches)	mm (inches)	mm (inches)	mm (inches)	mm (inches)	mm (inches)	mm (inches)	mm (inches)	mm (inches)	mm (inches)	kg (lbs.)
2040	250 (9.84)	196 (7.72)	244 (9.61)	262 (10.31)	622 (24.49)	584 (22.99)	86 (3.39)	550.4 (21.67)	200 (7.87)	205 (8.07)	14.8 (32.63)
2055											
2075											
3110	350 (13.78)	296 (11.65)	342 (13.46)	362.4 (14.27)	767 (30.20)	729 (28.70)	87 (3.43)	697.4 (274.6)	180 (7.09)	185 (7.28)	23.8 (52.47)
3150											
4371	350 (13.78)	296 (11.65)	342 (13.46)	362.4 (14.27)	1250 (49.21)	1312 (51.65)	87 (3.43)	1180 (46.46)	180 (7.09)	185 (7.28)	47.5 (104.72)

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Leaflet System en-Ita