



Smart solutions.  
Strong relationships.

# CG Emotron Drives for Elevators



**e m o t r o n**

*DEDICATED DRIVE*



| A CG Product

# Emotron VSE Elevator drive

Dedicated CG drive for elevator for



Smoothness



Quietness



Flexibility



Safety

CG Emotron new VSE dedicated elevator drive is a reliable choice for elevator OEMs and end users for new and modernization of older elevators. The drive works effortlessly and smoothly with all elevator types and includes excellent tuning features for the safest, most efficient and most comfortable passenger experience without vibration and jerks. VSE features includes Safety and reliability, UPS applicable, Dedicated brake control sequence and Commendable levelling .

**Silky smoothness, Emergency and inspection speed programmable, Quick commissioning, Built-in dynamic braking unit for all models.**

## Product Technical Data

Drive type: 3 phase,380-460V, Heavy Duty

VSE Selection criterion and ordering codes

Model	Heavy Duty (150%, 1min every 10min)			High Overloadability		Weight kg	Dimensions [W*H*D] mm,
	P <sub>nom</sub> [kW]	I <sub>nom</sub> [A]	I <sub>max</sub> * [A]	I <sub>max</sub> ( 180%,10s)	I <sub>max</sub> ( 200%,1s)		
VSE48-003-20CEB	0.75	2.5	3.8	4.5	5	1.45	80X200X170
VSE48-004-20CEB	1.5	4.2	6.3	7.6	8.4		
VSE48-006-20CEB	2.2	5.5	8.3	9.9	11		
VSE48-009-20CEB	3.7	9.5	14.3	17.1	19	2.5	116.6X186.6X175
VSE48-013-20CEB	5.5	13	19.5	23.4	26		
VSE48-017-20CEB	7.5	17	25.5	30.6	34	3.5	146X249X181.7
VSE48-024-20CEB	11	25	37.5	45	50		
VSE48-032-20CEB	15	32	48.0	57.6	64	6.2	198X300X189.7
VSE48-038-20CEB	18.5	37	55.5	66.6	74		
VSE48-045-20CEB	22	45	67.5	81	90		



## Technical Data

<b>Input Output Data:</b>	
Input Voltage	3 Phase AC 380V AC to 460V(Emergency input: UPS, 220VAC, Single Phase)
Input Voltage imbalance	Less than 3%. As per IEC 61800-2
Input Frequency	50Hz/60Hz, Tolerance $\pm 5\%$
Output frequency range	0 to 600 Hz
Frequency resolution	0.01 Hz
<b>OVERLOAD CAPACITY:</b>	
High overload	150% - 1min, 180% - 10s, 200% - 1s every 10 min
Starting torque	0.5Hz: 180%
<b>ENVIRONMENT:</b>	
Enclosure	IP20
Ambient temperature	-10°C~50°C derated 1% for every 1°C upto 50°C.
Relative humidity	0-95%, no condensation
Vibration	Less than 5.9m/s <sup>2</sup> (0.6g)
Storage Temperature	-40°C~70°C
<b>I/O Data **</b>	
Digital Inputs	7 nos.
Digital Outputs	2 nos.
Analogue Inputs	3 nos.
Analogue Outputs	2 nos.
Relay Output	2 nos. (250VAC/3A; 30 VDC/3A)
<b>Protocol</b>	
Communication	RS 485



\*\* mentioned I/O above 2.2kW range



## DRIVE SOLUTIONS

EMPOWERED BY EMOTRON

Our All India Service Center Toll Free No: 1800-267-0505

### Regional sales offices

North : 6th Floor, Vatika City Point, M.G. Road, Guragon-122002, Haryana | Phone: 0124-4392006

East : 50 Chowringhee Road, Kolkata 700 071, West Bengal | Phone: 033-22829681

West : 1st Floor, Kanjur Marg East, Mumbai 400042 | Phone: 022-67558609

South : No.3-A, Dr. MGR Salai, Nungambakkam, Chennai 600 034 | Phone: 044-42247500

### Divisional Office & Factory:

CG Power and Industrial Solutions Limited

Plot#9, MPAKVN, Phase-2, New Industrial Area, Mandideep-462046, M.P.

Contact: 07480426427/440/441/456

### Email Us:

[drives.mktg@cgglobal.com](mailto:drives.mktg@cgglobal.com) | [drives.service@cgglobal.com](mailto:drives.service@cgglobal.com)

### For more information:

Visit us at: [www.cgglobal.com](http://www.cgglobal.com) | [www.emotron.com](http://www.emotron.com)