



# ARKEL

NEW ERA IN LIFT CONTROL



MONOBLOCK LIFT CONTROL UNIT





ARCUBE combines VVVF drive unit, control board, rescue function and electrical components as a single monoblock lift control unit.

- SILENT
- COMPACT DESIGN
- DURABLE
- EASY TO INSTALL
- INNOVATIVE



## Arcube perfectly meets your needs!

- ✦ Combines VVVF drive unit, control board, rescue function and other electrical components in a single monoblock unit
- ✦ No motor contactor, Noiseless installation (STO function)
- ✦ Small, lightweight and ready to install
- ✦ Compatible with EN81 standards
- ✦ Decreased costs due to less travelling cable requirements
- ✦ Ability to work with synchronous and asynchronous machines
- ✦ Ability to work open and close loop
- ✦ Reliable and industrialized
- ✦ Energy saving
- ✦ Rollback prevention at start through pre-torque and anti-rollback functions
- ✦ Static motor auto tune
- ✦ Automatic encoder direction tracking
- ✦ Travel distance based variable speed ramp
- ✦ Single phase installation and motor drive capability
- ✦ Fire and evacuation function
- ✦ Firefighter mode
- ✦ Attendant service mode
- ✦ Call priority service mode
- ✦ Panic evacuation mode
- ✦ Call cancel by double press
- ✦ Automatic, Semi automatic, Manual door options

## Arcube Technical Specifications

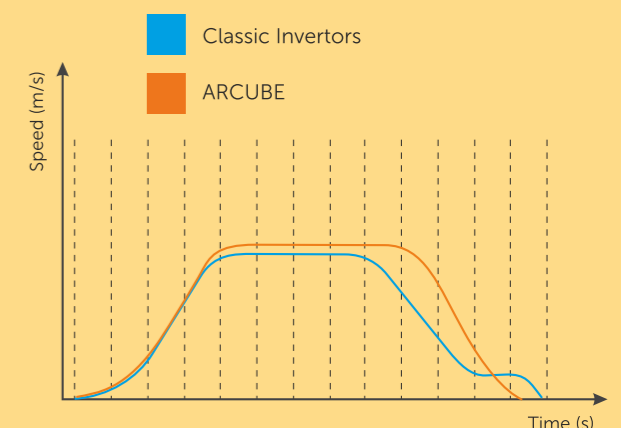
Model	3P4AS10A-1	3P4AS14A-1	3P4AS17A-1	3P4AS26A-1	3P4SN10A-1	3P4SN14A-1	3P4SN17A-1	3P4SN26A-1
Input Supply	AC 3PH, 340-420V, 50/60Hz				AC 3PH, 340-420V, 50/60Hz			
Motor Type	Asynchronous				Synchronous			
Motor Output	AC 3PH, 0-400V, 0-100Hz				AC 3PH, 0-400V, 0-100Hz			
Motor Nominal Current (Inom)	10A	14A	17A	26A	10A	14A	17A	26A
Motor Max Current (<6s)	20A	28A	34A	52A	20A	28A	34A	52A
Brake resistor	50R/1kW	50R/1kW	50R/1kW	40R/1kW	50R/1kW	50R/1kW	50R/1kW	40R/1kW
ARD	60VDC Battery Supply / 220VAC Single Phase Line Supply Unit							
Encoder	5V TTL, 10-30V HTL				Endat, SSI, SinCos, BISS			
Landing (LOP) and Car (COP) Indicators	Parallel: Gray, Binary, 7 segment / Serial: Canbus							
Inputs	4 programmable							
User Interface	Character LCD(4 lines 20 Character)							
Number of stops	Parallel: 9 Full Collective, 16 Down Collective, Serial: 16 Full Collective							
Shaft Position System	Magnetic switches or Motor encoder							
Collection Type	Single Button Single Direction, Single Button Both Direction, Double Button, Non-Collective Universal.							
Elevator speed	1,75m/sec							
Door control	Single door							
Car travelling cable	Available with cost advantage. Only 17 cores flat cable is required.							
Serial car communication	Available							
COP button connections	Parallel over FX_Cube board / Serial: over CPC board							
Pre-wired landing door contact / lock cabling	Available							
Car Announcement system	Available ( Inbuilt on Fx-Cube board)							
Inbuilt Motor Phase protection and Temperature control	Available							
Software update	Available							
Group Control	Duplex							
Operational temperatures	0-50°C							

## Rescue function with Auxiliary power:

- . 1 Phase UPS or 5 x 12V batteries backup power source option
- . Rescue power limitation option depending on the capacity of UPS or batteries. Elimination of UPS battery and damages due to over current
- . Seamless operation by the help of rescue start delay and rescue speed parameters in generator installed buildings

## With "Direct Landing" feature, ARCUBE:

- . Shortens travel time with removal of the creeping distance by dynamic calculation of the travel curve.
- . Provides easy setup by automatic detection of the deceleration point.
- . No additional parameter setting requirement due to automatic calculation of maximum travelling speed according to the floor distance.



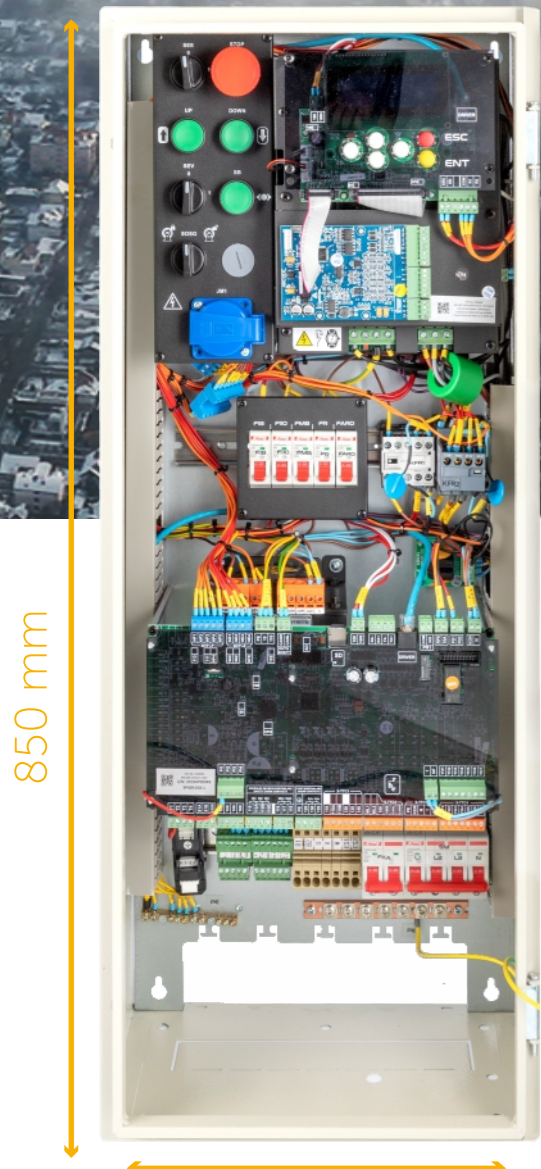
# ARCUBE MRL

Lift Control Unit

# ARCUBE SLIM MRL

Lift Control Unit

## thinner design



850 mm

338 mm

### ARCUBE MRL ARCUBE SLIM MRL

- Compact and more thinner design
- High comfortable travel thanks to the new generation motor drive technology.
- Re-Leveling and Door Pre-Opening function with integrated relays as option.
- Compatible with ARKEL ARLINE and ARKEL ARLIFT IoT systems.

#### Dimensions with Weight

	Arcube MR	Arcube MRL	Arcube MRL Slim
Width	535 mm	338 mm	250 mm
Height	422 mm	850 mm	1400 mm
Depth	195 mm	232 mm	210 mm
Weight Approx.	22 Kgs	27 Kgs	31 Kgs

#### ARD Dimensions

	Arcube MR	Arcube MRL	Arcube MRL Slim
Width	335 mm	338 mm	250 mm
Height	355 mm	330 mm	350 mm
Depth	112 mm	232 mm	210 mm



1400 mm

250 mm



# ARKEL

## ARTIAS.ai

ARCUBE assistant in your hand

### I can assist



To install



To troubleshoot



To update



Available on the  
App Store



GET IT ON  
Google Play

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