

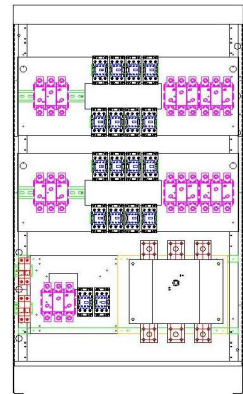


## ALT3A - ALT35

from 300 to 450 kVAr

Automatic power factor correction equipment model ALT Low health, with frame colour RAL 7035 at folded and galvanized steel base. The system is equipped with disconnecting door switch, microprocessor RDM 4 Base controller (up to 350 kVAr) with 4 outputs and current alarms (maximum and minimum), voltage (range + 10-15%) and over compensation and undercompensation, RDM 6 standard (for powers exceeding 350 kVAr), with 6 outputs, THDI control, temperature control, controlling ventilation, fixed battery option, contact for remote reporting of cumulative alarm signal. Product consisting of modular withdrawable drawers each with contactors for capacitors with insertion resistors inrush current limiting with early contact. Battery protection fuses composed of three-phase cylindrical capacitors.

Indoor floor installation and cables from the bottom with large openings



### DATA EQUIPMENT

AGG. 01-01-2014 1.0

Reactive Power		kVAr effective 400V	kVAr 415V	Batteries to 415V	kVAr effective 400V	kVAr 415V	Batteries to 415V
				279	300	25-50-100-125	349
		302	325	25-50-125-125	372	400	25-50-50-75-100-100
		325	350	25-50-125-150	419	450	25-50-75-100-100-100
Degree of protection	IP	30 ( on request 54)			30 ( on request 54)		
Three-phase power supply, Un	V	400 (other voltage on request)			400 (other voltage on request)		
Rated frequency	Hz	50			50		
Auxiliary circuits voltage	V	400 ( on request 110V 230V)			400 ( on request 110V 230V)		
Ambient temperature limits min-max	°C	-15°C ÷ +35°C			-15°C ÷ +35°C		
Dimensions (HxWxD)	mm	1225 x 685 x 600			1225 x 685 x 600		
Ventilation	–	Forced with fans positioned on the roof			Forced with fans positioned on the roof		
Protection fuse battery	–	Type NH00 category gG			Type NH00 category gG		
Cable entry	–	Bottom			Bottom		

### DATA REGULATOR

#### RDM4 Base

#### RDM 6 Standard

N° of batteries controller	N°	4	6
Control Batteries	–	Manual / Automatic	Manual / Automatic
Allarm	–	Overvoltage, Overcurrent, Over, Undercompensation, Overttemperature, THDI%	Overvoltage, Overcurrent, Over, Undercompensation, Overttemperature, THDI%
Display	–	3 + 1 digits 7 led segments	Cristalli liquidi 2 righe 16 caratteri retroilluminato
Parameters displayed on the display	–	Voltage, Current, Cos φ, Δ kVAr	Voltage, Current, Cos φ, Δ kVAr
Electrical quantities measured	–	Voltage, Current, Cos φ, 2 or 4 quadrant mode	Voltage, Current, Cos φ, 2 or 4 quadrant mode
Power factor adjustment	–	0,85 ind. – 0,95 cap.	0,85 ind. – 0,95 cap.
Range primary current transformer	A	5-10.000	5-10.000
Reactive power capacitor bank	kVAr	0,1 – 6500	0,1 – 6500
Sensitivity adjustment	s	5 – 100	5 – 99
Reconnection time	s	5 -240	5 -240
Range capacitor voltage	V	100 – 1000	100 – 1000
Contact arrangement alarm	–	no	1 contact NO-NC
Alarm relay contacts capacity	–	no	8A - 250 V AC
Power	VA	3,3	5

### DATA CAPACITORS

#### ALT3A.....

#### ALT35.....

#### ALT3A.....

#### ALT35.....

Type capacitor installed	–	ST Three-phase	AT Three-phase	ST Three-phase	AT Three-phase
Rated voltage capacitor	V	415 (on request 450-500-550)	415 (on request 440V + 800V)	415 (on request 450-500-550)	415 (on request 440V + 800V)
Losses dielectric	W/kVAr	≤0,2	≤0,2	≤0,2	≤0,2
Class of temperatur	–	-25D	-40D	-25D	-40D
Inrush current	A	200xIn	400xIn	200xIn	400xIn
Overcurrent	A	4 x In	1,5 ÷ 2 x In	4 x In	1,5 ÷ 2 x In
THDI r/c	%	20/50 (415V) 25/70 (450V)	15/50 (415V) 20/70 (450V)	20/50 (415V) 25/70 (450V)	15/50 (415V) 20/70 (450V)
Statistical life expectancy	h	130.000 (-25/C) 110.000 (-25/D)	150.000 (-40/D)	130.000 (-25/C) 110.000 (-25/D)	150.000 (-40/D)
Altitude max	m	≤ 2000 above sea level	≤ 4.000 above sea level	≤ 2000 above sea level	≤ 4.000 above sea level
Dielectric system	–	MKP metallised polypropylene stronger	MKP metallised polypropylene stronger	MKP metallised polypropylene stronger	MKP metallised polypropylene stronger
Impregnation	–	Dry resin	Dry type inert gas AZOTO N2	Dry resin	Dry type inert gas AZOTO N2
Descarge resistor	–	50V - 60 s	50V - 60s	50V - 60 s	50V - 60s
Safety features	–	Overpressure disconnecter	Overpressure disconnecter	Overpressure disconnecter	Overpressure disconnecter
Standard	–	CEI EN 61921, CEI EN 60439-1, CEI EN 60831-		CEI EN 61921, CEI EN 60439-1, CEI EN 60831-1	