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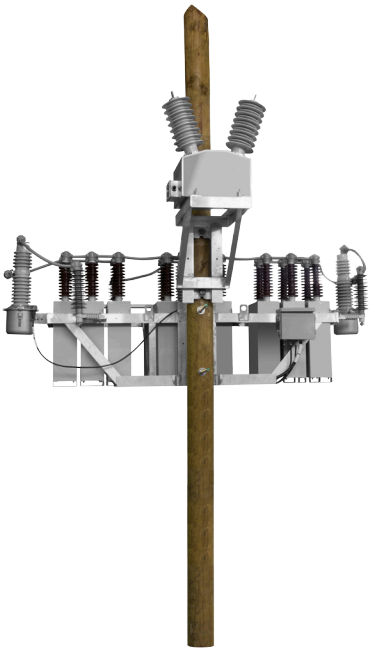
PMF/PMA

Medium voltage pole-mounted static or automatic capacitor banks



Description

PMF/PMA are static or automatic capacitor banks for medium voltages (up to 36 kV), pole-mounted, with a frame designed to withstand the elements at heights on wooden poles.

Application

This type of capacitor bank is normally used for the power factor correction of distribution lines and installations or for increasing the system's voltage.
These capacitor banks are suitable for generation and distribution systems:

— Receiver and distributor stations.
— Power plants that require power factor correction.

Technical features

Electrical features	Voltage	1... 36 kV
	Frequency	50 / 60 Hz
	Insulation level	7.2...36 kV
	Power ratings	Up to 2700 kvar
	Operating voltage	120 / 240 V_{ac}
Capacitors	Dielectric	Rough polypropylene film
	Saturant oil	SAS-40E or M/DBT (PCB-free),
	Case	Stainless steel
	Losses	≤ 0.15 W / kvar
Mechanical features	Frame	Aluminium
	Protection degree	IP 00
	Dimensions	Depending on type and optional features
Optional elements	Single-pole vacuum switches	
	Lightning arrester	
	Voltage transformer for switching	
	Zero voltage closing	
Standards	**IEC-60871-1**	

References

Code				
P	**M**	**X**	**XXX**	**XXXXX**
Static		**F**		
AUTOMATIC		**A**		
Rated voltage (3 digits) 3.3 kV			**033**	
Rated voltage (3 digits) 4.2 kV			**042**	
Rated voltage (3 digits) 5.5 kV			**055**	
Rated voltage (3 digits) 6.0 kV			**060**	
Rated voltage (3 digits) 6.3 kV			**063**	
Rated voltage (3 digits) 6.6 kV			**066**	
Rated voltage (3 digits) 11 kV			**110**	
Rated voltage (3 digits) 13.2 kV			**132**	
Rated voltage (3 digits) 15 kV			**150**	
Rated voltage (3 digits) 16.5 kV			**165**	
Rated voltage (3 digits) 22 kV			**220**	
Rated voltage (3 digits) 33 kV			**330**	
Nominal power of the capacitor bank in kvar (5 digits)				**no.**

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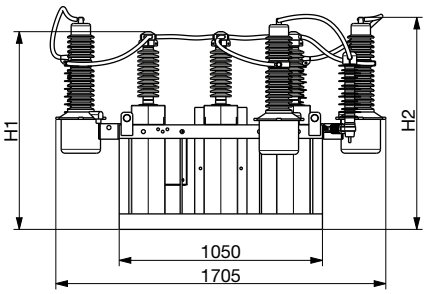
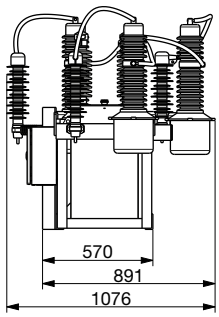
Dimensions

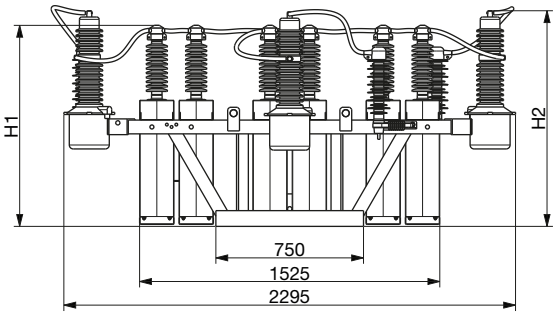
Type	Voltage	H1	H2
PMA10420XXXX	4.16 kV	851	994
PMA11380XXXX	13.8 kV	898	994
PMA12290XXXX	22.9 kV	976	1070
PMA13450XXXX	34.5 kV	1022	1096

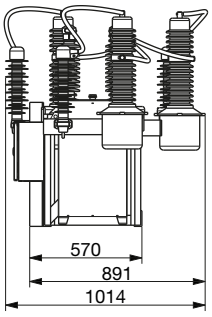
3 capacitors



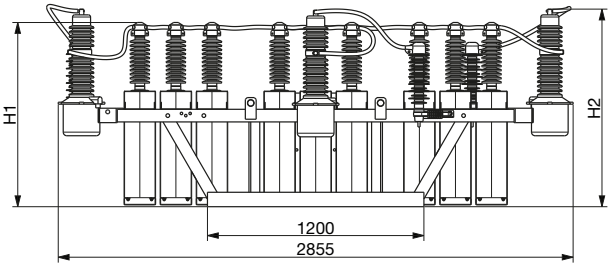


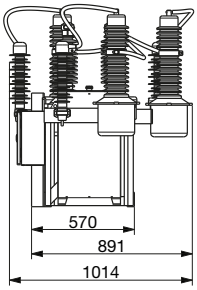
6 capacitors





9 capacitors





NEW ZEALAND
WWW.LPINZ.CO.NZ

Unit 6/22 Moselle Ave, Henderson, Auckland, New Zealand
PO Box 21-872, Henderson, Auckland, New Zealand
Phone:+64 9 833 5749
Fax:+64 9 833 5726
Email: info@LPINZ.co.nz
Web: www.LPINZ.co.nz

Auckland 09 833 5749 - Wellington 04 282 0925 - Christchurch 03 281 8041 - Waikato 07 282 1011