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Specifications sheet: VRp Precision PWM Line Conditioners for Machinery, $\pm 13\%$ series

CATEGORY	FEATURE	SINGLE PHASE MODELS		
		VRp- 5000-9339-130M	VRp- 8000-9339-130M	VRp- 12500-9339-130M
ELECTRICAL	Capacity in KVA (KW)	5 KVA	8 KVA	12.5 KVA
	Regulator engine	High frequency 20 KHz IGBT driven voltage regulation convertor		
INPUT	*Nominal voltage	240 volts ac, three phase		
	*Normal operating voltage (typical output regulation within +/- 1% of nominal)	207 - 271 volts ac for full regulation		
	Relaxed operating voltage (relaxed output regulation within functional range of 200-250V P-N)	173 - 283 volts ac within maximum rated input current capacity		
	Maximum rated input current	24A	40A	60A
	Nominal frequency	47 - 53 Hz		
	Input circuit breaker rating	25 A X 2 phase (ganged MCB)	40 A X 2 phase (ganged MCB)	63 A X 2 phase (ganged MCB)
	Input wire size	6 mm ² (AWG 10)	10 mm ² (AWG 8)	10 mm ² (AWG 8)
	Ac connection	Terminal block (L1in , neutral and ground wires) provided		
OUTPUT	*Nominal voltage	240 volts ac, single phase		
	Power efficiency	typically over 97 % (with 20 - 100% load conditions)		
	Voltage regulation (typical, excluding meter error)	+/- 1%		
	Maximum rated output current	22A	36A	54A
	System status indicator	Green LED (ON) indicates Normal (regulating mode) operation		
Ac connection	Terminal block (L1top , neutral and ground wires) provided			
PHYSICAL	Dimensions (IN MM)	240 D x 165 H x 415 D		400 W x 280H x 540 D
	Weight (approx.)	20 Kgs	23 Kgs	41 Kgs
	Annunciation	LED display for Regulation mode, Bypass mode & Fault conditions		
	Mounting	Pad Mounted		
ENVIRONMENTAL	Ambient temperature	0 ^o to + 40 ^o centigrade (32 ^o to +104 ^o farhenite). 10 to 90% RH non-condensing		
	Cooling method	Natural Cooled		
PROTECTIVE FEATURES	Standards & Safety	Designed to meet UL 60950-1 standards. Protection class IP 20.		
	OV/UV cut off	Automatic trip in event of High/Low voltage		
	Overload & Short Circuit Protection	Through suitably rated input circuit breaker		
	Soft Switch-On	This feature ensure that output voltage is never higher than input voltage upon switch-on, before it commences full stabilization.		
	Automatic bypass	Automatic bypass will be activated when there is a fault condition		
	Surge Test Conditions	Per Class 2 Surge (combination wave)		
Surge let-through voltages	1.2 X 50µs, 6kV, 8 X 20 µs, 3 kA waveform. L-N < 300V			
WARRANTY	Warranty	Two year limited warranty, covering repair / replacement of defective parts		
NOTE	All * marked voltage regulation ranges are based on 240 V nominal output voltage. They would proportionately change in case nominal output voltage is required to be preset at any other value between 215 - 240 V.			