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Specifications sheet: VRp Precision PWM Line Conditioners for Machinery, ± 26% series

CATEGORY	FEATURE	SINGLE PHASE MODELS			
		VRp- 3000-9230-260M	VRp- 5000-9230-260M	VRp- 7000-9230-260M	VRp- 10000-9230-260M
ELECTRICAL	Capacity in KVA (KW)	3 KVA	5 KVA	7 KVA	10 KVA
	Regulator engine	High frequency 20 Khz IGBT driven voltage regulation convertor			
INPUT	*Nominal voltage	230 volts ac, single phase			
	*Normal operating voltage (typical)	170 - 290 volts ac for full regulation			
	Relaxed operating voltage (relaxed)	148 - 315 volts ac within maximum rated input current capacity			
	Maximum rated input current	20A	31 A	40 A	62 A
	Nominal frequency	47 - 63 Hz			
	Input circuit breaker rating	20 A X 2 phase (ganged MCB)	32 A X 2 phase (ganged MCB)	40 A X 2 phase (ganged MCB)	63 A X 2 phase MCCB
	Input wire size	4 mm ² (AWG 12)	6 mm ² (AWG 10)	6 mm ² (AWG 10)	10 mm ² (AWG 8)
AC connection	Terminal block (L1in , neutral and ground wires) provided				
OUTPUT	*Nominal voltage	230 volts ac, three phase			
	Power efficiency	typically over 95 % (with 20 - 100% load conditions)			
	Voltage regulation (typical, excluding)	+/- 1%			
	Maximum rated output current	14A	23A	30A	46A
	System status indicator	Green LED (ON) indicates Normal (regulating mode) operation			
Ac connection	Terminal block (L1op , neutral and ground wires) provided				
PHYSICAL	Dimensions (IN MM)	240 W x 165 H x 415 D		400 W x 280 H x 540 D	
	Weight (approx.)	23 kgs		56 Kgs	
	Annunciation	LED display for Regulation mode, Bypass mode & Fault conditions			
	Mounting	Pad Mounted			
ENVIRONMENTAL	Ambient temperature	0 ⁰ to + 40 ⁰ centigrade (32 ⁰ to +104 ⁰ 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)			
WARRANTY	Surge let-through voltages	1.2 X 50µs, 6kV, 8 X 20 µs, 3 kA waveform. L-N < 300V			
	Warranty	Two year limited warranty, covering repair / replacement of defective parts			
NOTE	All * marked voltage regulation ranges are based on 230 V nominal output voltage. They would proporinatly change in case nominal output voltage is required to be preset at any other value between 215-240 V.				