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**Specifications sheet: VRp Precision PWM Line Conditioners for Machinery, 100 KVA Capacity,  $\pm 10\%$  series**

CATEGORY	FEATURE	THREE PHASE MODEL
		VRp- 100000-9339-100M
ELECTRICAL	Capacity in KVA (KW)	100 KVA
	Regulator engine	High frequency 20 KHz IGBT driven voltage regulation convertor
INPUT	*Nominal voltage	415 volts ac, three phase
	*Normal operating voltage (typical output regulation within +/- 1% of nominal)	373 - 457 volts ac for full regulation
	Relaxed operating voltage (relaxed output regulation within functional range of 200-250V P-N)	325 - 496 volts ac within maximum rated input current capacity
	Maximum rated input current	155 A
	Nominal frequency	47 - 53 Hz
	Input circuit breaker rating	200 A X 3 phase MCCB
	Input wire size	35 mm <sup>2</sup> (AWG 2)
	Ac connection	Terminal block ( L1in , L2in, L3in, neutral and ground wires) provided
OUTPUT	*Nominal voltage	400 volts ac, three phase
	Power efficiency	typically over 96 % (with 20 - 100% load conditions)
	Voltage regulation (typical, excluding meter error)	+/- 1%
	Maximum rated output current	139 A
	System status indicator	Green LED (ON) indicates Normal ( regulating mode) operation
	Ac connection	Terminal block ( L1op , L2op, L3op, neutral and ground wires) provided
PHYSICAL	Dimensions (IN MM) (approx.)	660 Wx 570 H x 660 D
	Weight (approx.)	160 Kgs
	Display	Digital output voltage display thru' selector switch
	Annunciation	LED display for Regulation mode, Bypass mode & Fault conditions
	Mounting	4 High Quality Castor wheels, 2 with brakes
ENVIRONMENTAL	Ambient temperature	0 <sup>o</sup> to + 40 <sup>o</sup> centigrade (32 <sup>o</sup> to +104 <sup>o</sup> farhenite). 10 to 90% RH non-condensing
	Cooling method	Fan Cooled
PROTECTIVE FEATURES	Standards & Safety	Designed to meet UL 60950-1 standards. Protection class IP 20.
	OV/UV cut off with SPP	Automatic trip in event of High/Low/Missing 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 50 $\mu$ s, 6kV, 8 X 20 $\mu$ s, 3 kA waveform. L-N < 300V
WARRANTY	Warranty	Two year limited warranty, covering repair / replacement of defective parts