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Specifications sheet: VRp Precision PWM Line Conditioners for Machinery, ± 20% series

CATEGORY	FEATURE	THREE PHASE MODELS							
		VRp- 3000-9339-200M	VRp- 6000-9339-200M	VRp- 9000-9339-200M	VRp- 15000-9339-200M	VRp- 22500-9339-200M	VRp- 30000-9339-200M	VRp- 45000-9339-200M	VRp- 100000-9339-200M
ELECTRICAL	Capacity in KVA (KW)	3 KVA	6 KVA	9 KVA	15 KVA	22.5 KVA	30 KVA	45 KVA	100 KVA
	Regulator engine	High frequency 20 Khz IGBT driven voltage regulation convertor							
INPUT	*Nominal voltage	400 volts ac, three phase							
	*Normal operating voltage (typical output regulation within +/- 1% of nominal)	320 - 480 volts ac for full regulation							
	Relaxed operating voltage (relaxed output regulation within functional range of 200-250V P-N)	277 - 520 volts ac within maximum rated input current capacity							
	Maximum rated input current	5A	11A	16A	27A	40 A	54A	80 A	180 A
	Nominal frequency	47 - 53 Hz							
	Input circuit breaker rating	10 A X 3 phase (ganged MCB)	16 A X 3 phase (ganged MCB)	20 A X 3 phase (ganged MCB)	32 A X 3 phase (ganged MCB)	40 A X 3 phase (ganged MCB)	63 A X 3 phase (ganged MCB)	80 A X 3 phase Mccb	200 A X 3 phase Mccb
	Input wire size	2.5 mm <sup>2</sup> (AWG 14)	4 mm <sup>2</sup> (AWG 12)	4 mm <sup>2</sup> (AWG 12)	6 mm <sup>2</sup> (AWG 10)	10 mm <sup>2</sup> (AWG 8)	10 mm <sup>2</sup> (AWG 8)	16 mm <sup>2</sup> (AWG 6)	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	4A	9A	13A	22A	32A	43A	65A	144 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)	500 Wx 320 H x 660 D			610 Wx 570 H x 610 D			660Wx570Hx660D	900Wx600Hx900D
	Weight (approx.)	60 kgs	65 Kgs	70 kgs	105 kgs	115 Kgs	140 Kgs	160 Kgs	300 Kgs
	Display	Digital output voltage display thru selector switch							
	Annunciation	LED display for Regulation mode, Bypass mode & Fault conditions							
	Mounting	Pad Mounted			4 High Quality Castor wheels, 2 with brakes				
ENVIRONMENTAL	Ambient temperature	0° to + 40° centigrade (32° to +104° 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 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 400 V nominal output voltage. They would proportionately change in case nominal output voltage is required to be preset at any other value between 380-415V.								
	All models of VRp's are optionally available with 400 Volts to 200 Volts step down transformers.								