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

CATEGORY	FEATURE	THREE PHASE MODELS					
		VRp- 6500-9339-260M	VRp- 10000-9339-260M	VRp- 16000-9339-260M	VRp- 21000-9339-260M	VRp- 25000-9339-260M	VRp- 32000-9339-260M
ELECTRICAL	Capacity in KVA (KW)	6.5 KVA	10 KVA	16 KVA	21 KVA	25 KVA	32 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)	295 - 505 volts ac for full regulation					
	Relaxed operating voltage (relaxed output regulation within functional range of 200-250V P-N)	256 - 545 volts ac within maximum rated input current capacity					
	Maximum rated input current	13A	20A	31 A	40 A	49A	62 A
	Nominal frequency	47 - 63 Hz					
	Input circuit breaker rating	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)	50 A X 3 phase (ganged MCB)	63 A X 3 phase MCCB
	Input wire size	4 mm ² (AWG 12)	4 mm ² (AWG 12)	6 mm ² (AWG 10)	6 mm ² (AWG 10)	10 mm ² (AWG 8)	10 mm ² (AWG 8)
	AC connection	Terminal block (L1in , L2in, L3in, neutral and ground wires) provided					
OUTPUT	*Nominal voltage	400 volts ac, three phase					
	Power efficiency	typically over 95 % (with 20 - 100% load conditions)					
	Voltage regulation (typical, excluding meter error)	+/- 1%					
	Maximum rated output current	9A	14A	23A	30A	36A	46A
	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				
	Weight (approx.)	70 kgs	105 kgs	115 Kgs	140 Kgs	150 Kgs	160 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.						