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Specifications sheet: VRp Precision PWM Line Conditioners for Machinery, ± 13% series

CATEGORY	FEATURE	THREE PHASE MODELS							
		VRp- 5000-9339-130M	VRp- 10000-9339-130M	VRp- 15000-9339-130M	VRp- 25000-9339-130M	VRp- 37500-9339-130M	VRp- 50000-9339-130M	VRp- 60000-9339-130M	VRp- 75000-9339-130M
ELECTRICAL	Capacity in KVA (KW)	5 KVA	10 KVA	15 KVA	25 KVA	37.5 KVA	50 KVA	60 KVA	75 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)	360 - 470 volts ac for full regulation							
	Relaxed operating voltage (relaxed output regulation within functional range of 200-250V P-N)	300 - 490 volts ac within maximum rated input current capacity							
	Maximum rated input current	8A	16A	24A	40A	60A	80A	96A	120A
	Nominal frequency	47 - 53 Hz							
	Input circuit breaker rating	10 A X 3 phase (ganged MCB)	16 A X 3 phase (ganged MCB)	25 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	100 A X 3 phase MCCB	125 A X 3 phase MCCB
	Input wire size	4 mm ² (AWG 12)	4 mm ² (AWG 12)	6 mm ² (AWG 10)	10 mm ² (AWG 8)	10 mm ² (AWG 8)	16 mm ² (AWG 6)	25 mm ² (AWG 4)	25 mm ² (AWG 4)
	Ac connection	Terminal block (L1in , L2in, L3in, neutral and ground wires) provided							
OUTPUT	*Nominal voltage	415 volts ac, three phase							
	Power efficiency	typically over 97 % (with 20 - 100% load conditions)							
	Voltage regulation (typical, excluding meter error)	+/- 1%							
	Maximum rated output current	7A	14A	22A	36A	54A	72A	87A	108A
	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		660 W x 570 H x 660 D		
	Weight (approx.)	60 kgs	65 Kgs	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 ^o to + 40 ^o centigrade (32 ^o to +104 ^o 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 415V 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.								