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## Specifications sheet: Fast Correction PWM Automatic Voltage Regulator (AVR), ± 26% series

CATEGORY	FEATURE	THREE PHASE MODELS							
		VRp-6500-9339-260	VRp-10000-9339-260	VRp-16000-9339-260	VRp-21000-9339-260	VRp-25000-9339-260	VRp-32000-9339-260	VRp-50000-9339-260	VRp-75000-9339-260
ELECTRICAL	Capacity in KVA (KW)	6.5 KVA	10 KVA	16 KVA	21 KVA	25 KVA	32 KVA	50 KVA	75 KVA
	Regulator engine	High frequency 20 Khz IGBT driven voltage regulation convertor							
	*Nominal voltage	400 volts ac, three phase							
INPUT	*Normal operating voltage (typical output regulation within +/- 1% of nominal)	295 - 500 volts ac for full regulation							
	Relaxed operating voltage (relaxed output regulation within functional range of 200-250V P-N)	256 - 541 volts ac within maximum rated input current capacity							
	Maximum rated input current	13A	20A	31 A	40 A	49A	63 A	98 A	147 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 (ganged MCB)	100 A X 3 phase MCCB	160 A X 3 phase MCCB
	Input wire size	4 mm <sup>2</sup> (AWG 12)	4 mm <sup>2</sup> (AWG 12)	6 mm <sup>2</sup> (AWG 10)	6 mm <sup>2</sup> (AWG 10)	10 mm <sup>2</sup> (AWG 8)	10 mm <sup>2</sup> (AWG 8)	25 mm <sup>2</sup> (AWG 4)	2 x 16 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 95 % (with 20 - 100% load conditions)							
	Voltage regulation (typical, excluding meter error)	+/- 1%							
	Maximum rated output current	9A	14A	23A	30A	36A	46A	72A	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)	610DX 610W x 640H		660D x 660W x 570H		660D x 660W x 720H		888D x 888W x 838H	
	Weight (approx.)	85 kgs	120 kgs	120 Kgs	145 Kgs	155 Kgs	165 Kgs	285 Kgs	310 Kgs
	Annunciation	LED display for Regulation mode, Bypass mode & Fault conditions							
	Mounting	4 High Quality Castor wheels, 2 with brakes							
ENVIRONMENTAL	Ambient temperature	0° to + 45° centigrade (32° to +113° 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.							
	Overload & Short Circuit Protection	Through suitably rated input circuit breaker							
	Soft Switch-On	This feature ensure that the output voltage is never higher than the 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							
NOTES		1. 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. 2. All models of VRp's are optionally available with 400 Volts to 200 Volts step down transformers. 3. Please ask if any non-standard range or customised feature is required. 4. Since our designs are constantly evolving, the above specifications are liable to change without prior notice.							