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Specifications sheet: Fast Correction PWM Automatic Voltage Regulator (AVR), ± 13% series

CATEGORY	FEATURE	THREE PHASE MODELS													
		VRp-6000-9339-130	VRp-10000-9339-130	VRp-15000-9339-130	VRp-20000-9339-130	VRp-25000-9339-130	VRp-30000-9339-130	VRp-40000-9339-130	VRp-50000-9339-130	VRp-60000-9339-130	VRp-75000-9339-130	VRp-110000-9339-130	VRp-130000-9339-130	VRp-150000-9339-130	VRp-160000-9339-130
ELECTRICAL	Capacity in KVA (KW)	6 KVA	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA	50 KVA	60 KVA	75 KVA	110 KVA	130 KVA	150 KVA	160 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	10A	16A	24A	32A	40A	48A	63A	80A	96A	120A	176A	208A	241A	257A
	Nominal frequency	47 - 63 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)	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)	80 A X 3 phase MCCB	100 A X 3 phase MCCB	125 A X 3 phase MCCB	200 A X 3 phase MCCB	250 A X 3 phase MCCB	250 A X 3 phase MCCB	320 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)	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)	2x25 mm ² (AWG 0)	70 mm ² (AWG 00)	70 mm ² (AWG 00)	95 mm ² (AWG 2)
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	9A	14A	21A	28A	35A	42A	56A	70A	84A	104A	153A	181A	209A	223A
	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	610DX 610W x 640H	610DX 610W x 640H	610DX 610W x 640H	610DX 610W x 640H	610DX 610W x 640H	660D x 660W x 570H	660D x 660W x 720H	888D x 888W x 838H					
	Weight (approx.)	80 kgs	90 Kgs	95kgs	115 kgs	80 kgs	115 Kgs	135 Kgs	160 Kgs	170 Kgs	175 Kgs	280 Kgs	320 Kgs	350 Kgs	350 Kgs
	Annunciation	LED display for Regulation mode, Bypass mode & Fault conditions													
	Mounting	4 High Quality Castor wheels, 2 with brakes													
ENVIRONMENTAL	Ambient temperature	0 ^o to + 45 ^o centigrade (32 ^o to +113 ^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.													
	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)													
WARRANTY	Surge let-through voltages	1.2 X 50µs, 6kV, 8 X 20 µs, 3 kA waveform. L-N < 300V													
	Warranty	Two year limited warranty, covering repair/replacement of defective parts													
NOTES		1. 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.													
		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.													