

*DESCRIPTION: Three Phase, Variable Voltage Control*  
*APPLICATION: High Inrush, Variable Resistance Loads*

Model Number	Max Amps	kVA @ Max Rated Volts	Open Chassis Dimensions Inches			Open Chassis List Price	Ventilated Dimensions H x W x D	Enclosure List Price Adder
			Height	Width	Depth			
<b>THREE PHASE, 240 VAC INPUT, 0-238 VAC OUTPUT, 50 or 60Hz<sup>5</sup> (ALSO FOR 208/220/230 VAC INPUT)</b>								
18E-2-10H	10	4	10.62	8.25	5.37	423.00	14 12 8	Contact Factory
18E-2-30H	30	12	15.12	12.87	6.37	538.00	20 16 9	***
18E-2-80H	80	32	21	13	6.25	1086.00	30 20 9	***
18E-2-150H	150	60	27	17	9	1929.00	36 24 12	***
18E-2-350H	350	139	27	27	10.5	2907.00	42 36 12	***
18E-2-600H	600	240	39	27	11	4077.00	48 36 12	***
<b>THREE PHASE, 480 VAC INPUT, 0-460 VAC OUTPUT, 50 or 60Hz<sup>5</sup> (ALSO FOR 380/415/440 VAC INPUT)</b>								
18E-4-10H	10	8	10.62	8.25	5.37	495.00	14 12 8	Contact Factory
18E-4-30H	30	24	15.12	12.87	6.37	631.00	20 16 9	***
18E-4-80H	80	64	21	13	6.25	1140.00	30 20 9	***
18E-4-150H	150	120	27	17	9	1991.00	36 24 12	***
18E-4-350H	350	278	27	27	10.5	2907.00	42 36 12	***
18E-4-600H	600	480	39	27	11	4077.00	48 36 12	***

**NOTES:**

- Standard units supplied with:
  - Manual control potentiometer on 2 feet of cable
  - Control isolation transformer (except where noted †)
  - Factory installed 2-millisecond fuses
  - 1/2 second soft start
  - Oversized SCR's
- For recommended spare fuses, see FUSE CHART, Page 39. Use of any other fuse voids all warranties.
- Enclosures supplied by others must be properly ventilated. See VENT SCHEDULE, Page 43.
- Dimensions are approximate, refer to unit drawing for construction.
- Factory set for 60Hz. Must specify if for 50Hz usage.

List prices may be subject to trade classification discounts. Contact your local Payne Engineering Authorized Distributor or representative.

Prices shown are subject to change without notice.



OPTION NAME	OPTION ORDER No.	OPTION DESCRIPTION	LIST PRICE ADDER
VOLTAGE LIMIT	9	RMS Output Voltage Limit (Field adjustable)	25.00
MILLIAMP CONTROL	11A 11B 11C 11D 11E 11F 11G 11H	For closed-loop applications only. (See Option 20 for open-loop applications) 1-5 ma., ≤1000 Ω 2-10ma., ≤1000 Ω 4-20 ma., ≤600 Ω 12-20 ma., ≤600 Ω 10-50 ma., ≤300 Ω 1-5 volts DC 2-10 volts DC Other. Specify ma. range and input impedance.	38.00
CURRENT LIMIT	12	RMS Output Current Limit (Field Adjustable, includes current transformer)	115.00
VOLTAGE REGULATION	13	RMS Output Voltage Regulation. ± 1 % output variation with ± 10% input voltage variation	215.00
ISOLATED CHASSIS	14A 14B	For installation in non-vented enclosures. Electrically Isolated Chassis, 10-30A, 480 VAC only. (Std. on 10-30A, 120/240 VAC) Electrically Isolated Chassis, 50-80A	65.00 97.00
THERMISTOR TEMPERATURE CONTROL	15A 15B	Thermistor Bridge, Proportional, Automatic Temperature Control. Temperature Range 0-90°C Temperature Range 90-240°C	90.00
OPTICALLY ISOLATED ma. <b>EXTERNAL CONTROL CARD</b>	20A 20B 20C 20D 20E 20H	Optically isolated. May be field installed. Suitable for open-loop control. 1-5 ma., ≤1000 Ω 2-10ma., ≤1000 Ω 4-20 ma., ≤600 Ω 12-20 ma., ≤600 Ω 10-50 ma., ≤300 Ω Other. Specify ma. range and input impedance.	65.00
HEATSINK OVERTEMP SWITCH	24A 24B	Overtemp trip of controller. For external indicating circuit or alarm.	55.00
120V PILOT	28	120 VAC On/Off Pilot Control	38.00
70-400Hz	30	For operation on power frequencies from 70-400Hz, and 16-2/3 or 25Hz.	Contact Factory
EXTERNAL POWER	33	External trigger circuit power. Specify voltage to be supplied.	38.00
120 VAC INPUT	18E- <u>1</u> -etc.	Rated for 120 VAC Input. (Change Model No. from 18E-2-etc. to 18E-1-etc.)	38.00
550 VAC INPUT	18E- <u>5</u> -etc.	Rated for 550 VAC Input. (Change Model No. from 18E-4-etc. to 18E-5-etc.)	38.00
600 VAC INPUT	18E- <u>6</u> -etc.	Rated for 600 VAC Input. (May require size increase of base model.) (Change Model No. from 18E-4-etc. to 18E-6-etc.)	210.00

**18E-H OPTION NOTES:**

- To order, specify option number separately, and add option price to control list price.
- See page 46 for detailed option description.
- Options must be ordered with control (except Option 20)
- Certain combinations of options may not be compatible. See page 47 or consult local representative or factory.
- Consult factory for option requirements not shown.