


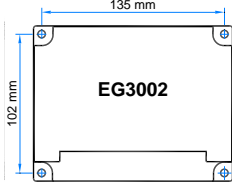
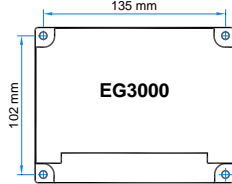
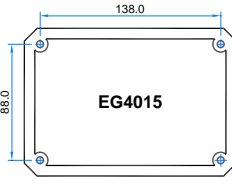


Comparison Table

EG model	EG3002	EG3000 (Discontinued)	EG4015	
Appearance				
Features	<ul style="list-style-type: none"> - Engine Start Smoke Limiting & Idle Speed settings - Newly added "extreme slow response" engine setting - Works with External, Built-in and PT-Pump type and hydraulic drive actuators 	<ul style="list-style-type: none"> - Engine Start Smoke Limiting & Idle Speed settings - Works with External, Built-in and PT-Pump type and hydraulic drive actuators 	<ul style="list-style-type: none"> - Senses generator frequency, no magnetic pickup (MPU) is required - Selectable functions of Engine Speed Ramping or Immediate Start 	
Operating Voltage	10 – 32 Vdc	10 – 30 Vdc	10 – 32 Vdc	
Outputs Current	Continuous 7A, Max. 15A for 10 seconds	From 0.5A to 15A	Continuous 15A	
MPU Frequency input	10 – 10,000 Hz	600 – 9500 Hz (MPU signal)	No MPU (Sensing Frequency Range 5 – 100 Hz)	
MPU Voltage input	1 – 120 Vac	N/A	No MPU (Sensing Input Voltage Range 1 – 600 Vac)	
Idle Adjustment Range	30 – 90% of Normal Speed	Adjustable from 30 – 85% of Normal Speed	N/A	
Speed Temperature Shift	-40 to +80 °C, less than 3%	-40 to +80 °C, less than +/-0.5%	N/A	
Ramp Time	3 – 20 seconds (adjustable)	3 – 20 seconds (adjustable)	N/A	
Remote Speed Adjustment Range	+/-7% @ 5 KΩ 1 Watt potentiometer	+/-5% @ 5 KΩ 1 Watt potentiometer	+/-2% @ 5 KΩ 1 Watt potentiometer	
Isochronous Load Sharing (ILS)	+/-5 Vdc or 0 – 10 Vdc	N/A	N/A	
Speed Droop (DROOP)	0 – 4% (adjustable)	0 – 4% (adjustable)	0 – 4% (adjustable)	
Stability	Speed variation less than +/-0.25% at constant load	Speed variation less than +/-0.25% at constant load	Speed variation less than +/-0.25% at constant load	
Static Power Consumption	Less than 1 Watt @ 12 Vdc, Less than 2 Watt @ 24 Vdc	N/A	N/A	
Environment	Operating Temperature	-40 to +80 °C	-40 to +80 °C	
	Storage Temperature	-40 to +85 °C	-40 to +85 °C	
	Relative Humidity	Less than 95%	Less than 95%	
	Vibration	5.5 Gs @ 60 Hz	3.0 Gs @ 100-2K Hz	5.0 Gs @ 60 Hz
Control Characteristic Settings	DROOP	Speed Droop setting	Speed Droop setting	N/A
	GAIN	Gain setting	Gain setting	PID Actuator output gain adjustment
	INT	Integral setting	Integral setting	N/A
	DIF	Differential setting	Differential setting	PID Differential adjustment
	RAMP	Ramp Time	Ramp Time	N/A
	RUN SPEED	Operating speed setting	Operating speed setting	N/A
DIP Switch Settings	SW1	ON 600 – 1200 Hz	ON 600 – 1200 Hz	Actuator types OFF : External or Internal mount · ON : PT PUMP
	SW2	ON 1200 – 2500 Hz	ON 1200 – 2500 Hz	Ramp time OFF : 10 seconds ramp time · ON : Immediate start
	SW3	ON 2500 – 5000 Hz	ON 2500 – 5000 Hz	Frequency OFF : 60 Hz · ON : 50 Hz
	SW4	ON 5000 – 9500 Hz	ON 5000 – 9500 Hz	N/A
	SW5	ON Cummins PT PUMP	ON Cummins PT PUMP	N/A
	SW6	ON Extreme slow response engine	N/A	N/A
Dimension	147.0 (L) x 114.0 (W) x 50.0 (H) mm	147.0 (L) x 114.0 (W) x 50.0 (H) mm	162.0 (L) x 112.0 (W) x 43.0 (H) mm	
Diagram and Dimensions				
Weight	690 g +/-2%	690 g +/- 2%	330 g +/-2%	