

Green Tech  
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**R** RHYMEBUS



**RHY-0002**



**RHY-9905**

## AC Drive for Textile Machinery

Best Choice for Winding Machine

- ▶ Outline dimension, Terminals and Wiring are completely compatible to Original Drive of Textile Machinery.
- ▶ No Need for Parameter Setting. Ready to operate after installation.
- ▶ Maximum 16 Drive Controlled with RS-422 communication function.
- ▶ Adjustable on Communication Station Number.

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No. 17, 33rd Road, Taichung Industrial Park, Taichung, Taiwan 40768  
TEL+886-4-23595237 FAX+886-4-23595235  
www.rhymebus.com.tw





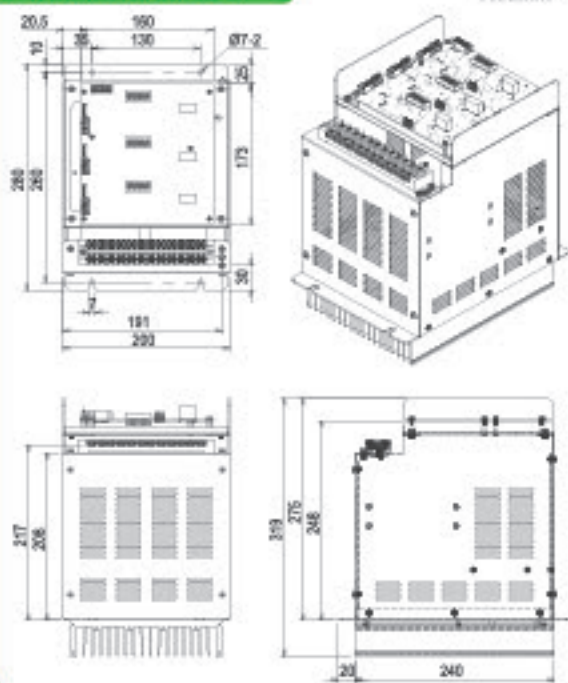
## Model Number Scheme



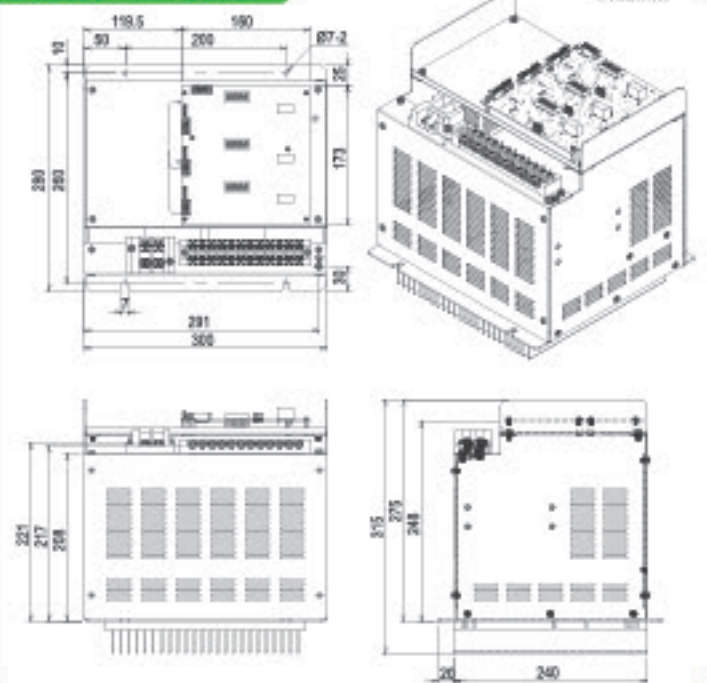
## Specifications

Model Name	RHY-0002-2011				RHY-0002-2014															
	INV_1 · INV_2		INV_3		INV_1 · INV_2		INV_3													
Rated Output	Maximum Applicable Motor (kW)		BH1 · BH2		TR		BH · BH2		TR											
	3.0		3.5		0.6		1.6		5.0		6.5		0.6		1.6					
	Rated Output Capacity (kVA)				7.5				3.0				11.0				3.0			
	Rated Output Current (A)				21.7				8.7				31.8				8.7			
	Rated Output Voltage (V)				Input DC 300V as the standard output, and it will change based on input voltage.															
Power Source	Number of Output				2				1				2				1			
	Note																			
	Common for power supply terminals. Operation combination is INV_1~INV_3 or INV_2~INV_3																			
	Maximum Input Voltage																			
	Maximum input voltage: 400VDC Operation power range: 240-400VDC																			
	Control Method																			
	Sinusoidal PWM method																			
	Range of output Frequency (Hz)																			
	0.5 ~ 400 Hz																			
	Starting Frequency (Hz)																			
0.5 ~ 10 Hz (adjustable)																				
Resolution of Output Frequency																				
Within ±0.5 %																				
V/F Characteristics																				
Base Frequency 25~400 Hz (adjustable). Frequency < Base frequency : keep the V/F as constant torque. Frequency > Base frequency : V unchanged																				
Boost Voltage Range																				
Manual :BOOST Voltage 0~30% (Adjustable)																				
Regeneration Braking Torque																				
Regenerating energy will be shared by all the combined inverters.																				
DC Brake Functions																				
Frequency, Voltage, Time of the action point are adjustable.																				
Instantaneous Power Failure																				
When a momentary power loss occurs, DC bus makes the short 1 second delay.																				
Stall Prevention During Acceleration																				
Stall prevention current during acceleration is set to 150%																				
Overload Protection																				
150% of drive rated output current for 1 min.																				
Frequency Limit																				
Upper Limit: 0 ~ 400 Hz , Lower Limit: 0 ~120 Hz (adjustable)																				
Acc./Dec Time.																				
0.1~ 6000 seconds (adjustable)																				

RHY-0002-2011



RHY-0002-2014



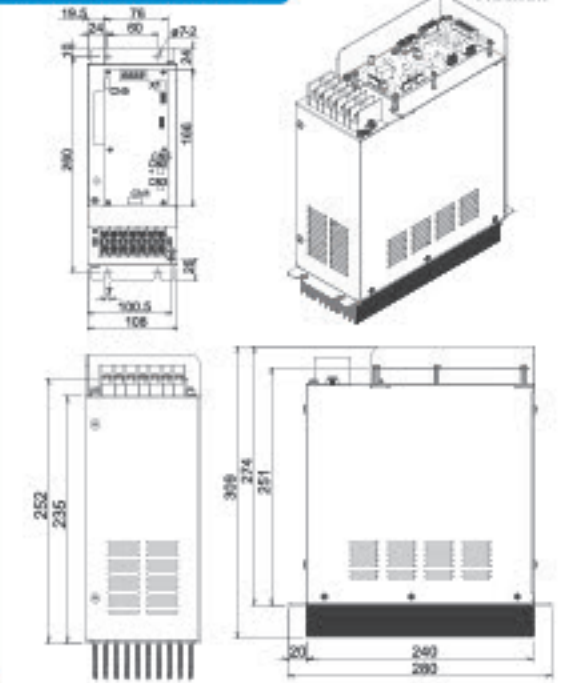
## Model Number Scheme



## Specifications

Model Name	RHY-9905-2007		RHY-9905-2011									
	Rated Output	Maximum Applicable Motor (kW)		3.0		3.5		5.0		6.5		
Rated Output Capacity (kVA)				7.5				11.0				
Rated Output Current (A)				21.7				31.8				
Rated Output Voltage (V)				Input DC 300V as the standard output, and it will change based on input voltage.								
Power Source	Maximum Input Voltage				Maximum input voltage: 400VDC Operation power range: 240-400VDC							
	Control Method				Sinusoidal PWM method							
Control Characteristics	Range of output Frequency (Hz)				0.5 ~ 400 Hz							
	Starting Frequency (Hz)				0.5 ~ 10 Hz (adjustable)							
	Resolution of Output Frequency				Within ±0.5 %							
	V/F Characteristics				Base Frequency 25~400 Hz (adjustable). Frequency < Base frequency: keep the V/F as constant torque. Frequency > Base frequency: V unchanged							
	Boost Voltage Range				Manual: BOOST Voltage 0~30% (Adjustable)							
	Regeneration Braking Torque				Regenerating energy will be shared by all the combined inverters.							
	DC Brake Functions				Frequency, Voltage, Time of the action point are adjustable.							
	Instantaneous Power Failure				When a momentary power loss occurs, DC bus makes the short 1 second delay.							
	Stall Prevention During Acceleration				Stall prevention current during acceleration is set to 150%							
	Overload Protection				150% of drive rated output current for 1 min.							
Operational Characteristics	Frequency Limit				Upper Limit: 0 ~ 400 Hz, Lower Limit: 0 ~120 Hz (adjustable)							
	Acc./Dec Time.				0.1~ 6000 seconds (adjustable)							

RHY-9905-2007



RHY-9905-2011

