

FREC Dynamometer Control Drive

MEIDEN
Quality connecting the next

THYFREC VT340DY



Four control
modes

Speed control
torque control
Current control, and
position control

Quick response
performance

Current control mode
1500Hz@-3dB

Applied to high
speed machine

Max. output frequency
533Hz

Typical Specifications

Item		Specifications							
Model		H1600	H2450	H3200	H4000	H4700	H5600	H7000	H8500
Capacity [kVA]		160	245	320	400	470	560	700	850
Output rating		Class A0 (100% continuous)							
Rated input voltage		440V±10%		400V±10%					
Rated input frequency		50/60Hz (+1~-3Hz)							
Circuit system	Converter	IGBT 120°current carrying control or Sine wave PWM control							
	Inverter	Sine wave PWM control							
Output frequency		0~533Hz							
Operating environment	Ambient temperature	0~40°C							
	Relative humidity	85% Max. No dew condensation permissible							
	Altitude	1000m or below							
	Others	There shall be no corrosive gases and harmful dust							
Carrier Frequency		Standard : 6kHz Option : 8kHz							
Current control	Setting	Digital setting: 0.01%F.S. Analog setting: 0.1%F.S.							
	Frequency response	Max.1500Hz@-3dB							
Speedcontrol	Setting	Digital setting: 0.01%F.S. Analog setting: 0.1%F.S.							
	Accuracy	±0.1%F.S. ± detection accuracy (at 25±10°C)							
Torque control	Setting	Digital setting: 0.01%F.S. Analog setting: 0.1%F.S.							
	Accuracy	±0.2%F.S. ± detection accuracy (at 25±10°C)							
Position control ※For PMDY	Setting	Digital setting: 0.01%F.S. Analog setting: 0.1%F.S.							
	Accuracy	±0.1%F.S. ± detection accuracy (at 25±10°C)							
Interface	Analog input	0~±10V							
	Analog output	0~±10V							
	Optical interface	ISBIII							
	Speed detection	a) Incremental encoder (Complimental) b) Incremental encoder (Linedriver) c) Serial encoder (ABS Encoder etc.)							
Dimensions	A (mm)	2500	2700	2700	3100	3100	4000	4000	4000
	B (mm)	1950	1950	1950	1950	1950	2150	2150	2150
	C (mm) (Depth)	600	600	600	600	600	600	600	600
	D (mm)	150	150	150	150	150	—	—	—
	Outline								



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