

253 Series Features + Specifications

- Dual Voltage 120/240 VAC, 50/60Hz
- Full HP rated - no auxiliary heat sink required
- ± 10% rated line voltage
- Adjustable horsepower settings
- Barrier terminal strip
- Full wave bridge supply
- 1% speed regulation
- Adjustable Minimum speed (0–30% of base)
- Adjustable Maximum speed (66–100% of base)
- Adjustable IR Compensation
- Adjustable Current Limit
- Adjustable Linear Acceleration
- -10° to +45°C ambient temperature
- Line voltage compensation
- 5K ohm speed potentiometer kit included
- 50:1 speed range
- Overload capacity: 150% for one minute
- Transient voltage protection
- Voltage follower mode - isolated signal (0–12 VDC)
- Inhibit circuit—permits low power start & stop

Model	Width	Length	Depth	Weight
251/253 chassis	5.53 in [14.1 cm]	7.00 in [17.78 cm]	1.63 in [4.14 cm]	14.25 oz [404 gm]
251/253 enclosed	5.53 in [14.1 cm]	7.25 in [18.42 cm]	2.75 in [6.98 cm]	17.50 oz [486 gm]

Options:



-5 option board



-55H2 option board



-29B

Base Model						Options							
Model	Supply Voltage	Motor Voltage	Current	HP	Body	-4X	-5	-7	-17B	-29	-34A	-55H2	-56H2
251G-12C	120 VAC	90 VDC	1.2 ADC	1/50-1/8	C	N/A	✓	✓	F	✓	N/A	✓	✓
	240 VAC	180 VDC		1/25-1/4									
253G-200C	120 VAC	90 VDC	10 ADC	1/8-1	C	N/A	✓	✓	F	✓	N/A	✓	✓
	240 VAC	180 VDC		1/4-2									
251G-12E	120 VAC	90 VDC	1.2 ADC	1/50-1/8	E	F	N/A	✓	F	F	F	N/A	F
	240 VAC	180 VDC		1/25-1/4									
253G-200E	120 VAC	90 VDC	10 ADC	1/8-1	E	F	N/A	✓	F	F	F	N/A	F
	240 VAC	180 VDC		1/4-2									

C – open chassis

E – NEMA 4 enclosed

✓ - Option is available

S - Standard Feature

N/A – Option Not available

F – Option is available as Factory Installed only

Option Description:

- 4X: NEMA 4X wash down rated - enclosed models only
- 5: Isolated 4-20mA signal follower input - loop power NOT provided
- 7: Same as -5 option, with provision to add manual speed pot for Auto/Manual operation
- 17B: Adjustable Acceleration rate = Deceleration rate
- 29: 4PDT center block (no pass) switch motor reversing. Cuts off supply power while changing motor direction
- 34A: Torque Control (enclosed models only) - changes speed pot to Torque adjustment
- 55H2: Isolated 0-5 to 0-250VDC signal follower input
- 56H2: Same as -55H2, with provision to add manual speed pot for Auto/Manual operation