

AT A GLANCE

340XRi, 680XRi,
1220XRi series

**4 Quadrant regenerative
DC motor controller**

**Fully isolated control
electronics**

**340XRi controller for DC
motors rated up to 3.4 Amps
(0.55KW/0.75HP)**

**680XRi controller for DC
motors rated up to 6.8 Amps
(0.75KW/1HP)**

**1220XRi controller for DC
motors rated up to 12.2 Amps
(1.8KW/2HP)**

DIN rail mounting

**Easy to access drive
adjustments**

Plug-on screw terminals

Small footprint

UL, CuL, CE approved

PRODUCT NAME

340XRi

340XRi 0.55kW / 0.75HP

680XRi 0.75kW / 1.0HP

1220XRi 1.8kW / 2.0HP

DESCRIPTION

Regenerative DC motor control with compact Design. Fully isolated control electronics.

This 4 Quadrant regenerative DC motor controller gives a fast controlled response over the full forward/reverse speed range for motoring and braking.

Improve your energy efficiency by regenerating energy into the mains supply whilst under braking. The energy invested accelerating the load mass is recovered when braking. There is no dissipation of energy in wasteful braking resistors.

The compact DIN rail mounting package uses less panel space so you can save space as well as energy.

Three options are available for controlling DC motors up to 12.2 Amps. You can use this versatile series of fully-isolated controllers for permanent magnet or shunt wound motors.

To make your installation quick and simple, all 340XRi, 680XRi and 1220XRi series controllers have easy to access drive adjustments, plug-on screw terminals and a small footprint from just 60mm x 105mm.



See parts list at back for low voltage supply options and fuses.

340XRi

340XRi 0.55kW / 0.75HP

680XRi 0.75kW / 1.0HP

1220XRi 1.8kW / 2.0HP

Technical highlights:

Switch selectable Tach or Armature voltage feedback
Adjustable IR compensation for improved AVF
Speed or torque control
Selectable dual voltage AC supply
Aux speed input
Pushbutton reversing function
150% overload with stall protection
Built-in current limit protection
Full 4 Quadrant operation

User adjustable:

Max motor speed
Min motor speed
Up ramp
Down ramp
Stability
Imax
IR comp
AVF/Tach switch
Speed range switch
AC voltage selector
Signal level comparator

Signal terminals:

+10V ref	Level output
Min speed	Level input
Ramped input +	Overload output
Output +/-	Trip output
Common	Ramp output
Input +/-	Demand output
Pushbutton +	Speed output
Pushbutton -	Current output
Run input	+ Speed input
Common	Torque input
Tach input	

MODEL COMPARISON

MODEL	AC SUPPLY RANGE	TYPICAL ARMATURE VOLTAGE	MAX CONTINUOUS ARMATURE CURRENT	NOMINAL POWER
340XRi	100 to 130v	90v	3.4A	0.25kW (0.35HP)
	200 to 264v	180v	3.4A	0.55kW (0.75HP)
680XRi	100 to 130v	90v	6.8A	0.55kW (0.75HP)
	200 to 264v	180v	6.8A	0.75kW (1.0HP)
1220XRi	100 to 130v	90v	12.2A	0.75kW (1.0HP)
	200 to 264v	180v	12.2A	1.8kW (2.0HP)

DIMENSIONS 340XRi

H	105 mm
W	60 mm
D	120 mm

680XRi / 1220XRi

H	105 mm
W	70 mm
D	120 mm