



INDUSTRIAL DUTY

Motor Controls- Enclosed Starters

NEW
FOR
2007

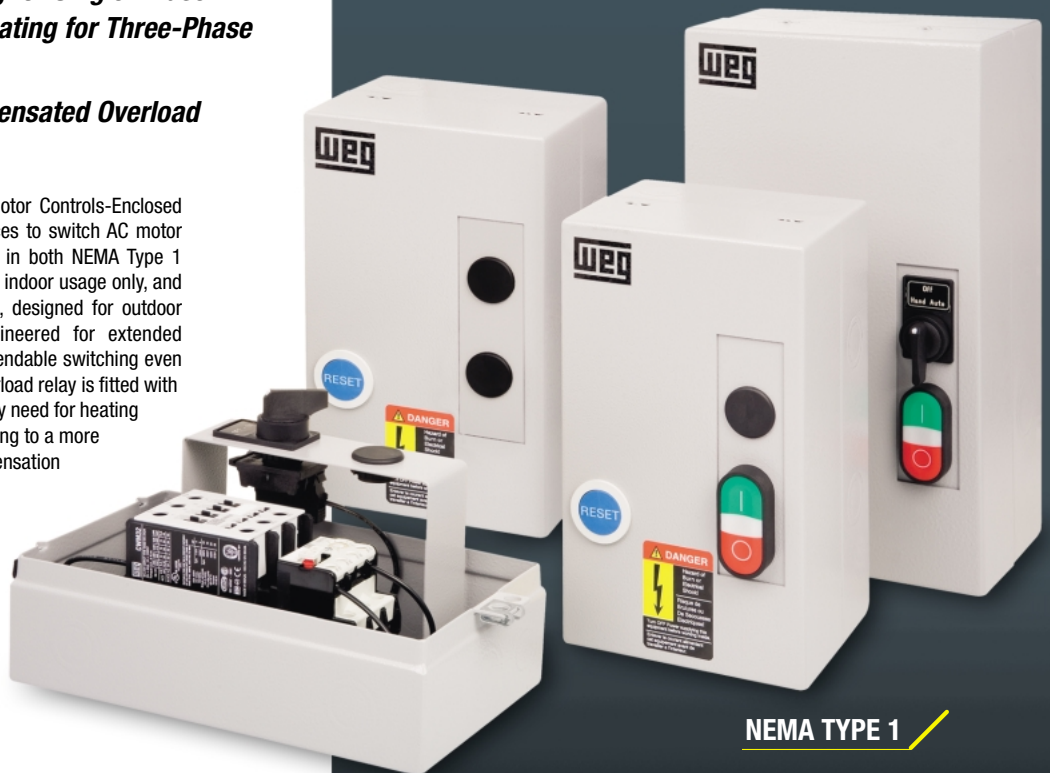
- **Ready to Use Motor Controls - Enclosed Starters for Electric Motor Driven Pumps**
- **NEMA Type 1 Model Enclosures for Indoor Usage and NEMA Type 4X Model Enclosures for Indoor/Outdoor Usage**
- **Optional Pilot Devices Allow for Ease and Simple Custom Installation on NEMA Type 1 Enclosures**
 - **Start/Stop Pushbutton**
 - **Hand-Off-Auto Selector Switch**
 - **Off-On Selector Switch**
- **NEMA Type 4X Model Enclosures Feature Built-In Manual-Off-Auto Switch and Start/Stop Pushbuttons**
- **Step-down Control Circuit Transformer for NEMA Type 4X Three-Phase Control Boxes**
- **1/2 to 10 Horsepower Rating for Single-Phase and 1/2 to 15 Horsepower Rating for Three-Phase Applications**
- **Ambient Temperature Compensated Overload Relays**

The WEG Enclosed Full Voltage Magnetic Motor Controls-Enclosed Starters are the most commonly used devices to switch AC motor loads. The ready to use device is available in both NEMA Type 1 metallic lift off enclosures with knockouts for indoor usage only, and NEMA Type 4X washdown rated enclosures, designed for outdoor usage. The contactor is specifically engineered for extended mechanical and electrical life, providing dependable switching even in the most heavy-duty applications. The overload relay is fitted with fixed bimetallic elements, which eliminate any need for heating elements during installation or future upgrading to a more efficient motor. Ambient temperature compensation as well as phase-failure and unbalance sensitivity provide motor protection. Field Modification Kits available for NEMA Type 1 Enclosures.

The WEG Industrial Duty Motor Controls-Enclosed starters are reliable, cost effective, and low maintenance. Many are readily available "Off-the Shelf" from AMT for fast 24 hour shipment.



NEMA TYPE 4X



NEMA TYPE 1

Motor Controls- Enclosed Starters

Single-Phase Enclosed Magnetic Starter

HP	Power Supply Voltage	Coil Voltage	Motor Amps	Overload Amp Range	AMT Model NEMA Type 1 with RESET	Ship Wt (lbs.)	*Control Box Dimension [WxHxD] [in]	AMT Model NEMA Type 4X with MANUAL-OFF-AUTO	Ship Wt. (lbs.)	*Control Box Dimension [WxHxD] [in]
1/2	115	120	6.8	5.6-8.0	A310-90	7	5.5x9x4.9	A345-90	8	9.9x14.2x6.6
3/4	115	120	11	10-15	A311-90	7	5.5x9x4.9	A346-90	8	9.9x14.2x6.6
1	115	120	14	11-17	A312-90	7	5.5x9x4.9	A347-90	8	9.9x14.2x6.6
1.5	115	120	18	15-23	A313-90	7	5.5x9x4.9	A348-90	8	9.9x14.2x6.6
2	115	120	22	22-32	A314-90	7	5.5x9x4.9	A349-90	8	9.9x14.2x6.6
3	115	120	30	25-40	A315-90	12	7.5x13x5.6	A350-90	8	9.9x14.2x6.6
1/2	230	208-240	3.4	2.8-4	A316-90	7	5.5x9x4.9	A351-90	8	9.9x14.2x6.6
3/4	230	208-240	5.5	4-6.3	A317-90	7	5.5x9x4.9	A352-90	8	9.9x14.2x6.6
1	230	208-240	7	7-10	A318-90	7	5.5x9x4.9	A353-90	8	9.9x14.2x6.6
1.5	230	208-240	9	8-12.5	A319-90	7	5.5x9x4.9	A354-90	8	9.9x14.2x6.6
2	230	208-240	11	10-15	A320-90	7	5.5x9x4.9	A355-90	8	9.9x14.2x6.6
3	230	208-240	15	11-17	A321-90	7	5.5x9x4.9	A356-90	8	9.9x14.2x6.6
5	230	208-240	21	15-23	A322-90	7	5.5x9x4.9	A357-90	8	9.9x14.2x6.6
7.5	230	208-240	34	25-40	A323-90	13	7.5x13x5.6	A358-90	10	9.9x14.2x6.6
10	230	208-240	40	32-50	A324-90	13	7.5x13x5.6	A359-90	10	9.9x14.2x6.6

Three-Phase Enclosed Magnetic Starter

HP	Power Supply Voltage	Coil Voltage	Motor Amps	Overload Amp Range	AMT Model NEMA Type 1 with RESET Requires Separate Control-120V	Ship Wt (lbs.)	*Control Box Dimension [WxHxD] [in]	AMT Model NEMA Type 4X with MANUAL-OFF-AUTO and Start/Stop Buttons	Ship Wt. (lbs.)	*Control Box Dimension [WxHxD] [in]
1/2	230	120	2.1	1.8-2.8	A325-90	7	5.5x9.5x4.9	A360-90	8	9.9x14.2x6.6
3/4	230	120	2.7	1.8-2.8	A326-90	7	5.5x9.5x4.9	A361-90	8	9.9x14.2x6.6
1	230	120	3.3	2.8-4	A327-90	7	5.5x9.5x4.9	A362-90	8	9.9x14.2x6.6
1.5	230	120	4.74	4-6.3	A328-90	7	5.5x9.5x4.9	A363-90	8	9.9x14.2x6.6
2	230	120	5.7	5.6-8.0	A329-90	7	5.5x9.5x4.9	A364-90	8	9.9x14.2x6.6
3	230	120	8.1	7-10	A330-90	7	5.5x9.5x4.9	A365-90	8	9.9x14.2x6.6
5	230	120	13	11-17	A331-90	7	5.5x9.5x4.9	A366-90	8	9.9x14.2x6.6
7.5	230	120	19.4	15-23	A332-90	7	5.5x9.5x4.9	A367-90	8	9.9x14.2x6.6
10	230	120	25.6	22-32	A333-90	7	5.5x9.5x4.9	A368-90	8	9.9x14.2x6.6
15	230	120	37.6	32-50	A334-90	8	5.5x9.5x4.9	A369-90	9	9.9x14.2x6.6
1/2	460	120	1.05	.8-1.2	A335-90	13	7.5x13x5.6	A370-90	10	9.9x14.2x6.6
3/4	460	120	1.35	1.2-1.8	A336-90	7	5.5x9.5x4.9	A371-90	8	9.9x14.2x6.6
1	460	120	1.65	1.2-1.8	A337-90	7	5.5x9.5x4.9	A372-90	8	9.9x14.2x6.6
1.5	460	120	2.32	1.8-2.8	A338-90	7	5.5x9.5x4.9	A373-90	8	9.9x14.2x6.6
2	460	120	2.85	2.8-4	A339-90	7	5.5x9.5x4.9	A374-90	8	9.9x14.2x6.6
3	460	120	4.05	4-6.3	A340-90	7	5.5x9.5x4.9	A375-90	8	9.9x14.2x6.6
5	460	120	6.5	5.6-8.0	A341-90	7	5.5x9.5x4.9	A376-90	8	9.9x14.2x6.6
7.5	460	120	9.7	8-12.5	A342-90	7	5.5x9.5x4.9	A377-90	8	9.9x14.2x6.6
10	460	120	12.8	11-17	A343-90	7	5.5x9.5x4.9	A378-90	8	9.9x14.2x6.6
15	460	120	18.2	15-23	A344-90	7	5.5x9.5x4.9	A379-90	8	9.9x14.2x6.6

Kits for field installation in Model NEMA Type 1 Enclosures	START/STOP	A300-90	2	Start/Stop Pushbutton
	H-O-A	A301-90	2	Hand-Off-Auto Selector Switch
	OFF-ON	A302-90	2	Off-On Selector Switch

*Dimensions have a tolerance of $\pm 1/8$ "

Standard Features NEMA Type 1 Control Box

- NEMA Type 1 enclosure with knockouts for indoor usage
- 1/2 to 15 horsepower rating for single and three-phase applications
- Ambient temperature compensated overload relays
- Easy field installation on optional pilot devices
- Manual reset on the cover
- UL 508 approved

Standard Features NEMA Type 4X Control Box

- NEMA Type 4X plastic enclosure for outdoor usage
- 1/2 to 15 horsepower rating for single and three-phase applications
- Ambient temperature compensated overload relays
- Step-down control circuit transformer for three-phase control boxes
- Selector switch for "Manual-Off-Auto"
- "Start" and "Stop" pushbuttons for manual operation
- UL 508A approved



WARNING: Do not use in explosive atmosphere or for pumping volatile flammable liquids.

See price book page 47

The Gorman-Rupp Company reserves the right to discontinue any model or change specifications at any time without incurring any obligation.

CP43-44/1206