AIRZOE™

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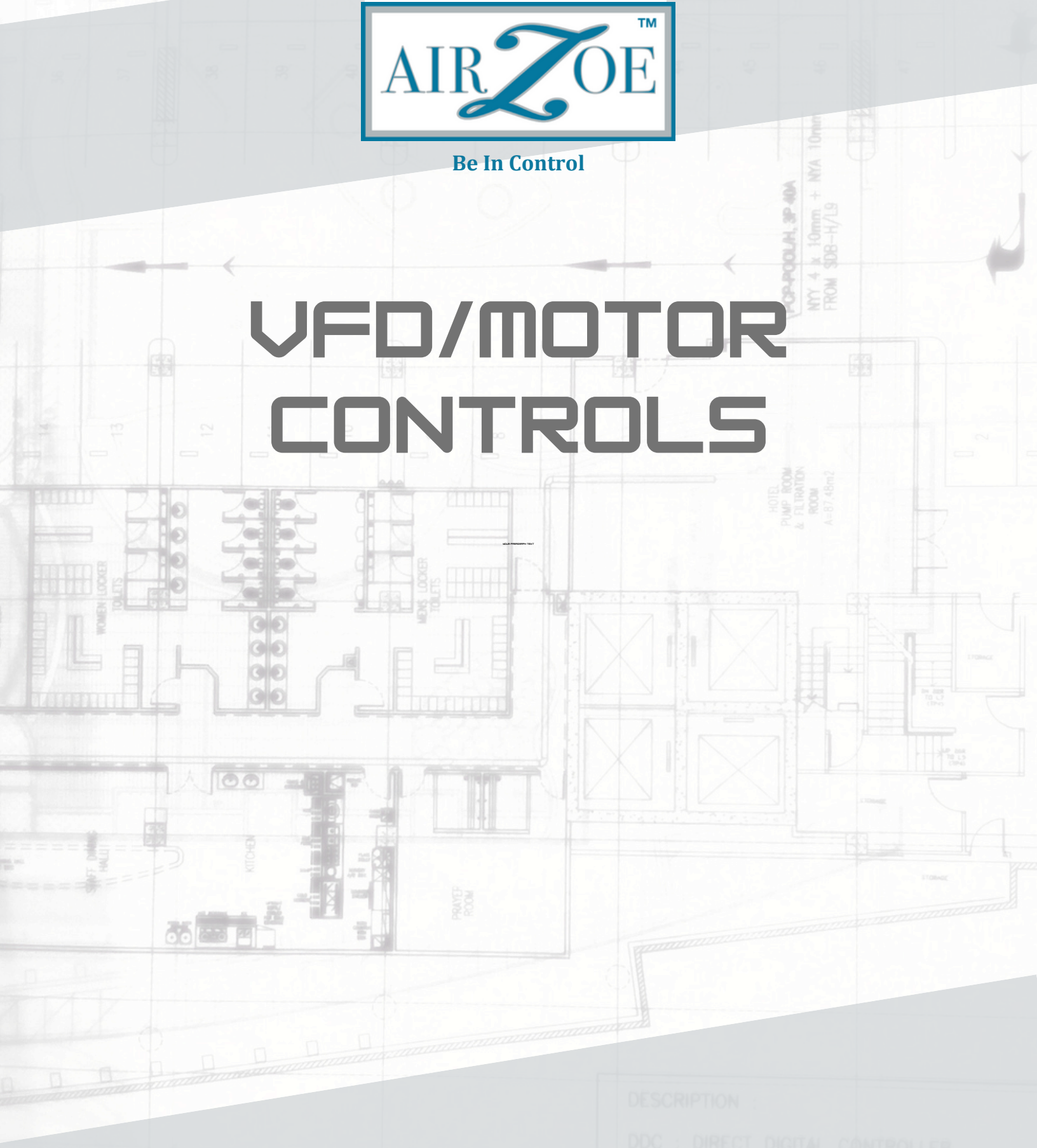
VFD/MOTOR CONTROLS

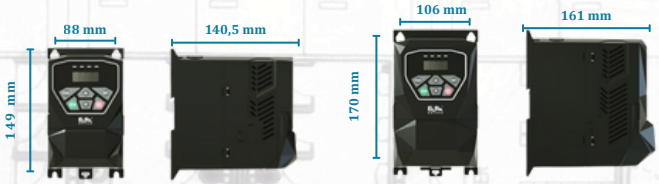


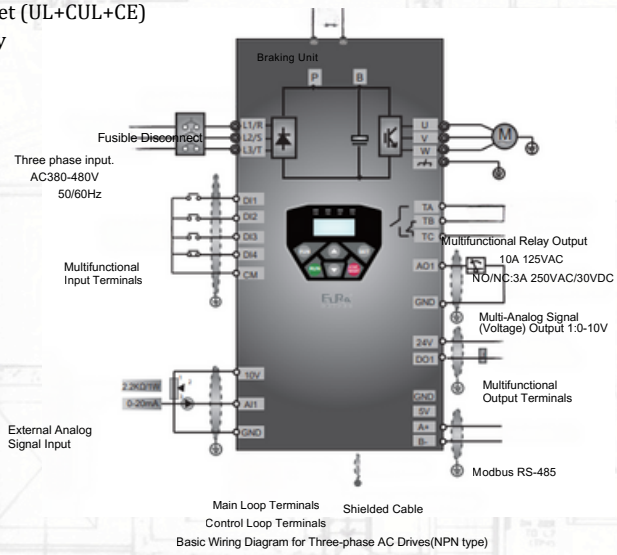
www.airzoe.com Tel: 516 256-3131 engineering@dvachvac.com

AZC-E600

0.3HP -7.5HP FREQUENCY INVERTER

- Best performance/cost ratio, without compromise in reliability and quality
- Compact design, easy to integrate in multiple environments: DIN rail mounting, contactor-style I/O
- Easy to setup: Simple set of optimized parameters for all basic functions and applications
- PID and HVAC functions - safety integrated - MODBUS - open for networking
- Internal EMC filter as standard: Ready for CE market
- Economical mass production on highly automated and dedicated SMT lines
- General purpose drive - made for the worldwide market (UL+CUL+CE)
- Approved and certified by American independent body



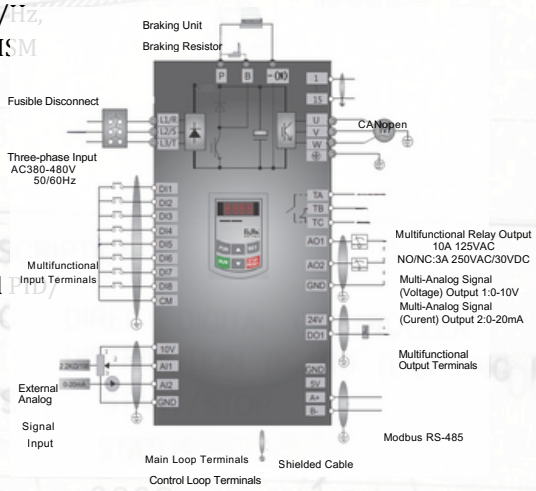


Basic Wiring Diagram for Three-phase AC Drives(NPN type)

AZC-E2100

0.3HP - 540HP FREQUENCY INVERTER

- High-tech motor control concept, based on advanced DSP-technology - ready for V/Hz,
- SENSORLESS VECTOR, CLV and permanent magnet synchronous motor control PMSM
- Intelligent AUTOTUNING functions for easy setup
- Compact in size, modular in concept, rugged construction, build for the worldwide market
- Flexible inverter control, high resolution analogue inputs, free mapping for all I/O channels
- Ready for all commonly used fieldbus systems
- Universal parameter-set for all kind of industrial applications, including integrated controller routines
- Smart PC-tools for inverter control, parametrization and troubleshooting
- Parameter-duplication stick
- EMC filter(C3 class) integrated.
- Approved and certified for worldwide standards, by independent organization.



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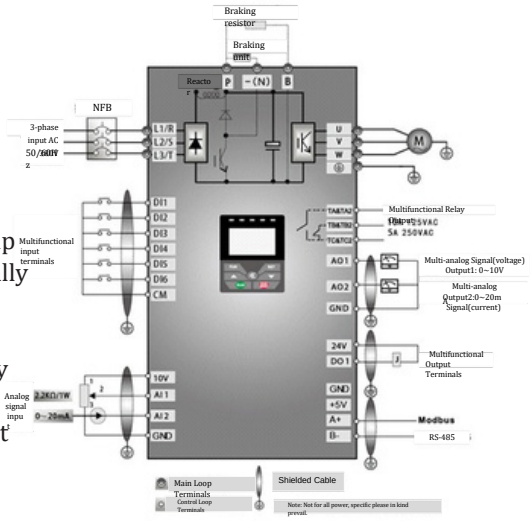
AZC-EM30
.5-10,197HP FREQUENCY INVERTER

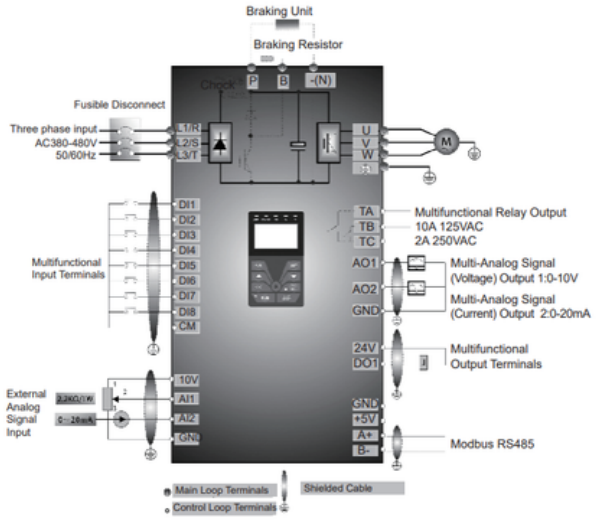
- High-tech motor control concept, based on advanced DSP- technology V/Hz, SENSORLESS VECTOR
- with SPEED/TORQUE control, sensor less PMM synchronous motor control.
- Intelligent AUTOTUNING functions for easy set-up
- Rugged construction, all metal enclosure, thermally decoupled from motor, IP67/NEMA 4, shock
- proof(4G) – for motor- and wall mounting
- Flexible configurable 4 line character LCD display
- ready for all common field bus systems
- Numerous standard inverter functions, to make it suitable for all kind of industrial and civil applications, and for retrofit as well- integrated PID controller
- C3 class EMC filter build in, optional kit for internal C1 class filter available
- Smart PC-tools, for inverter control, parametrization and troubleshooting. parameter-COPY- stick
- Approved for worldwide standards by independent bodies



VFD

AZC-EP66
.5-122HP FREQUENCY INVERTER

- DSP based high-tech motor control concept, suitable for V/Hz, SENSORLESS VECTOR, PMM synchronous motor control, SPEED/TORQUE control mode.
- Intelligent AUTOTUNING functions for quick and easy set-up
- Rugged construction, IP66/NEMA 4
- Flexible configurable 4 line character display – ready for any common field bus
- Removable cable conduit plate, including vent with humidity barrier
- Space inside the drive, for customer options, like main/emergency switch, start/stop selectors, potentiometer and brake resistor
- Optional BYPASS switch build in
- C3 class filter standard – optional C1 EMC filter build in for 1. Environment (residential area)
- All standard inverter functions build in, to make it suitable for various applications in industrial and civil area, and for retrofit as well
- Smart PC-tools, for inverter control, parametrization and trouble shooting. parameter-duplication stick
- Ready for the worldwide market, due to approved international standards



AIRZOE™

Be In Control

UL508A BOTTOM MOUNT VFD BYPASS PANELS

AZP-BVB Bottom Mount VFD Bypass Panels are assembled with Contactors, Terminal Blocks, and Pilot Devices. All panels are factory wired with a control transformer saving you time and reducing installation costs. Carbon Steel enclosures come in two versions: Type 1 or Type 3R, 4 & 12. • Black/Red operating handle can be padlocked in the OFF position for extra safety and security needed during maintenance activities. • Conveniently placed input and output terminal blocks provide easy access and quick installation. • Compact panel size resulting in space savings and lower installed costs

UL508A

Function Options:
2 Contactor Bypass, VFD Output & Bypass Output
3 Contactor Bypass, VFD Output & Bypass Output with Isolation Contactor

Voltage Input Options: 208v/3ph, 240v/3ph or 460v/3ph
Disconnect Fuse Options: Non-Fused, 20kA or Fused with Class J Fuses, 100kA
Disconnect Amp Options: Non-Fused - 30A / Fused with Class J Fuses, 100kA - 30A or 60A
Enclosure Option: Type 1 or Type 3R, 4 & 12
Carbon Steel Frame 2 - Dimensions 9" x 30" x 8" (W x H x D)
Pilot Device Options: Without Local Bypass Control or With Local Bypass Control

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AIR ZOE™

Be In Control

VFD BYPASS PANEL MOUNT 3PH

Direct Control with Motor Overload Protection • Type 12, Type 4 Metal & 4X Non Metallic Enclosure

- *4 Position IBYSS* **(LINE - OFF - DRIVE - TEST)**
- *DIRECT CONTROL* **in the "LINE" position with 2 NO Auxiliary Contacts on Switch**
  - *Full speed / full power* **in the "LINE" position**
  - *Motor Overload* **in the "LINE" position**
  - *Manual operation* **with** *positive break IBYSS® contacts*
- *No contactors, relays or coils* **to consume power or burn out**
- *Panel mount disconnect* **style handle assembly meets OSHA 1910**
- *Terminal strip* **included for easy field wiring**
- *Factory assembled* **in an enclosure for easy field installation**
- *Complete isolation* **of the Inverter in the "LINE" position**
- *Gold flash auxiliary contacts* **for reliable control signals**
- **Components** *UL cUL Listed / CE*
- *U.S. Patent #5,721,449*

IBYSS - DIRECT CONTROL
TYPE 12 ENCLOSURE

THE IBYSS

NOTE: Weights shown are APPROXIMATE and do NOT include packing materials

Direct Control with Motor Overload Protection **starts the motor using the** *IBYSS®* **as a manual motor controller complete with a UL Listed Class 10 Motor Overload Device in the "LINE" position.**

Ordering Information: Order by the C

200 / 208 Volt Three Phase

MOTOR HP	OVERLOAD Amp RANGE	MAX WIRE SIZE
1/2	1.6 - 2.5	#8
3/4	2.5 - 4.0	#8
1	4.0 - 6.3	#8
1 1/2	6.3 - 10	#8
2	6.3 - 10	#8
3	10 - 16	#8
5	16 - 20	#8
7 1/2	20 - 25	#8

230 Volt Three Phase

MOTOR HP	OVERLOAD Amp RANGE	MAX WIRE SIZE
1/2	1.6 - 2.5	#8
3/4	2.5 - 4.0	#8
1	4.0 - 6.3	#8
1 1/2	4.0 - 6.3	#8
2	6.3 - 10	#8
3	6.3 - 10	#8
5	10 - 16	#8
7 1/2	20 - 25	#8

460 Volt Three Phase

MOTOR HP	OVERLOAD Amp RANGE	MAX WIRE SIZE
1/2	1.0 - 1.6	#8
3/4	1.6 - 2.5	#8
1	1.6 - 2.5	#8
1 1/2	2.5 - 4.0	#8
2	2.5 - 4.0	#8
3	4.0 - 6.3	#8
5	6.3 - 10	#8
7 1/2	10 - 16	#8
10	10 - 16	#8
15	20 - 25	#8

AIRZOE™

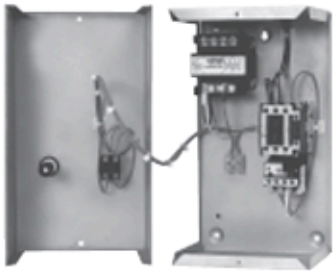
Be In Control

STARTERS -1PH

HVAC Motor Starters FULL VOLTAGE - ACROSS THE LINE • 1/4 - 7 1/2 HP • SINGLE PHASE

- For quick starting applications (<2 Sec)
- Adjustable UL Class 10 Thermal Overload
- Control Transformer (208/230/460 - 120 VAC) with fused secondary (fused primary above 50 Amps) - fuses furnished (NO Control Transformer on 120 Volt units)
- HAND - OFF - AUTO (HOA) Selector Switch
- 2-Point Terminal Block for "AUTO" position
- Reset in door for Overload Relay
- Wired and ready to install
- Components are UL, cUL

NOTE: Weights shown are APPROXIMATE and do NOT include packing materials



Typical HVAC Motor Starter in Type 1 Metal Enclosure with Lift Off Cover

How to Choose a Starter

- Determine the Motor Starter by the MOTOR VOLTAGE and MOTOR HP as shown below
- Motor FULL LOAD AMPS must fall within the OVERLOAD AMP RANGE
- Consult Factory if required OVERLOAD AMP RANGE is other than shown.

120 Volt Single Phase Motor

MOTOR HP	CONT.	OVERLOAD Amp RANGE	AUXILIARY CONTACTS	MAX WIRE SIZE
1/4	C9	5.5 - 8.5	1NO	#10
1/3	C9	5.5 - 8.5	1NO	#10
1/2	C12	8.5 - 12.5	1NO	#10
3/4	C16	12.5 - 18	1NO	#10
1	C23	17 - 24	1NO/1NC	#8
1 1/2	C23	17 - 24	1NO/1NC	#8
2	C23	22 - 30	1NO/1NC	#8
3	C32	30 - 40	1NO/1NC	#6
5	C65	48 - 65	2NO/2NC	#1

200/208 Volt Single Phase Motor (with

MOTOR HP	CONT.	OVERLOAD Amp RANGE	AUXILIARY CONTACTS	MAX WIRE SIZE
1/4	C9	2.4 - 3.6	1NO	#10
1/3	C9	3.5 - 5.0	1NO	#10
1/2	C9	4.0 - 6.0	1NO	#10
3/4	C9	5.5 - 8.5	1NO	#10
1	C9	8.5 - 12.5	1NO	#10
1 1/2	C12	8.5 - 12.5	1NO	#10
2	C16	12.5 - 18	1NO	#10
3	C23	17 - 24	1NO/1NC	#8
5	C32	23 - 32	1NO/1NC	#6
7 1/2	C50	37 - 50	2NO/2NC	#1

230 Volt Single Phase Motor (with contro

MOTOR HP	CONT.	OVERLOAD Amp RANGE	AUXILIARY CONTACTS	MAX WIRE SIZE
1/4	C9	2.4 - 3.6	1NO	#10
1/3	C9	3.5 - 5.0	1NO	#10
1/2	C9	4.0 - 6.0	1NO	#10
3/4	C9	5.5 - 8.5	1NO	#10
1	C9	5.5 - 8.5	1NO	#10
1 1/2	C12	8.5 - 12.5	1NO	#10
2	C12	8.5 - 12.5	1NO	#10
3	C23	12.5 - 18	1NO/1NC	#8
5	C28	22 - 30	1NO/1NC	#8
7 1/2	C40	37 - 50	1NO/1NC	#6

AIRZOE™

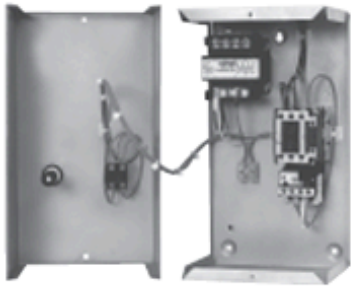
Be In Control

STARTERS - 3PH

HVAC Motor Starters FULL VOLTAGE - ACROSS THE LINE • 1/3 - 100 HP • THREE PHASE

- For quick starting applications (<2 Sec)
- Adjustable UL Class 10 Thermal Overload
- Control Transformer (208/230/460 - 120 VAC) with fused secondary (fused primary above 50 Amps) - fuses furnished
- HAND - OFF - AUTO (HOA) Selector Switch
- 2-Point Terminal Block for "AUTO" position
- Reset in door for Overload Relay
- Wired and ready to install
- Components are UL, cUL

NOTE: Weights shown are APPROXIMATE and do NOT include packing materials



Typical HVAC Motor Starter in Type 1 Enclosure with Lift Off Cover

How to Choose a Starter

- Determine the Motor Starter by the MOTOR VOLTAGE and MOTOR HP as shown below
- Motor FULL LOAD AMPS must fall within the OVERLOAD AMP RANGE
- Consult Factory if required OVERLOAD AMP RANGE is other than shown.

200/208 Volt Three Phase Motor

MOTOR HP	CONT.	OVERLOAD Amp RANGE	AUXILIARY CONTACTS	MAX WIRE SIZE
1/3	C9	1.4 - 2.1	1NO	#10
1/2	C9	1.8 - 2.7	1NO	#10
3/4	C9	2.4 - 3.6	1NO	#10
1	C9	3.5 - 5.0	1NO	#10
1 1/2	C9	5.5 - 8.5	1NO	#10
2	C9	5.5 - 8.5	1NO	#10
3	C12	8.5 - 12.5	1NO	#10
5	C23	12.5 - 18	1NO/1NC	#8
7 1/2	C28	22 - 30	1NO/1NC	#8
10	C32	23 - 32	1NO/1NC	#6
15	C50	37 - 50	2NO/2NC	#1
20	C65	48 - 65	2NO/2NC	#1
25	C80	63 - 80	2NO/2NC	#1
30	C95	65 - 95	2NO/2NC	LUG
40	C130	85 - 125	2NO/2NC	LUG

230 Volt Three Phase Motor

MOTOR HP	CONT.	OVERLOAD Amp RANGE	AUXILIARY CONTACTS	MAX WIRE SIZE
1/3	C9	1.0 - 1.5	1NO	#10
1/2	C9	1.8 - 2.7	1NO	#10
3/4	C9	2.4 - 3.6	1NO	#10
1	C9	3.5 - 5.0	1NO	#10
1 1/2	C9	5.5 - 8.5	1NO	#10
2	C9	5.5 - 8.5	1NO	#10
3	C12	8.5 - 12.5	1NO	#10
5	C16	12.5 - 18	1NO	#10
7 1/2	C23	17 - 24	1NO/1NC	#8
10	C28	22 - 30	1NO/1NC	#8
15	C50	37 - 50	2NO/2NC	#1
20	C65	48 - 65	2NO/2NC	#1
25	C80	63 - 80	2NO/2NC	#1
30	C80	77 - 97	2NO/2NC	#1
40	C105	85 - 125	2NO/2NC	LUG
50	C130	110 - 160	2NO/2NC	LUG

460 Volt Three Phase Motor

MOTOR HP	CONT.	OVERLOAD Amp RANGE	AUXILIARY CONTACTS	MAX WIRE SIZE
1/3	C9	0.67 - 1.0	1NO	#10
1/2	C9	1.0 - 1.5	1NO	#10
3/4	C9	1.4 - 2.1	1NO	#10
1	C9	1.8 - 2.7	1NO	#10
1 1/2	C9	2.4 - 3.6	1NO	#10
2	C9	2.4 - 3.6	1NO	#10
3	C9	4.0 - 6.0	1NO	#10
5	C9	5.5 - 8.5	1NO	#10
7 1/2	C12	8.5 - 12.5	1NO	#10
10	C16	12.5 - 18	1NO	#10
15	C23	17 - 24	1NO/1NC	#8
20	C28	22 - 30	1NO/1NC	#8
25	C40	30 - 40	1NO/1NC	#6
30	C40	37 - 50	1NO/1NC	#6
40	C65	48 - 65	2NO/2NC	#1
50	C65	63 - 80	2NO/2NC	#1
60	C80	63 - 80	2NO/2NC	#1
75	C95	85 - 125	2NO/2NC	LUG
100	C130	110 - 160	2NO/2NC	LUG

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COMBINATION STARTERS 1PH

C Series Combination Starters with FUSIBLE DISCONNECT (LOCKABLE HANDLE) • 1/4 - 5 HP • SINGLE PHASE

7.5 HP 200/208/60/1 TYPE 12

- For quick starting applications (<2 Sec)
- UL 508 Type Disconnect with Fuseblock
- Disconnect Handle lockable in the "OFF" position with up to three (3) padlocks. Padlocks not furnished
- Control Transformer (208/230/460 - 120 VAC) with fused secondary (fused primary above 50 Amps) - fuses furnished (NO Control Transformer on 120 Volt Units)
- HAND - OFF - AUTO (HOA) Selector Switch
- 2-Point Terminal Block for "AUTO" position
- Reset in door for Overload Relay
- Wired and ready to install
- Components are UL, cUL
- Power fuses optional - See page 37

NOTE: Weights shown are APPROXIMATE and do NOT include packing materials

How to Choose a Combination Starter

- Determine the Motor Starter by the MOTOR VOLTAGE and MOTOR HP as shown below
- Motor FULL LOAD AMPS must fall within the OVERLOAD AMP RANGE
- Consult Factory if required OVERLOAD AMP RANGE is other than shown.

120 Volt Single Phase Motor

MOTOR HP	CONT.	O/L Amp RANGE	DISCONNECT SIZE (Amps)	MAX WIRE SIZE	FUSE HOLDER	
					SIZE	TYPE
1/4	C9	5.5 - 8.5	30	#10	30	CC
1/3	C9	5.5 - 8.5	30	#10	30	CC
1/2	C12	8.5 - 12.5	30	#10	30	CC
3/4	C16	12.5 - 18	30	#10	30	CC
1	C23	17 - 24	40	#10	30	J
1 1/2	C23	17 - 24	40	#10	30	J
2	C23	22 - 30	40	#8	60	J
3	C32	30 - 40	63	#6	60	J
5	C65	48 - 65	100	#1	100	J

200/208 Volt Single Phase Motor

MOTOR HP	CONT.	O/L Amp RANGE	DISCONNECT SIZE (Amps)	MAX WIRE SIZE	FUSE HOLDER	
					SIZE	TYPE
1/4	C9	2.4 - 3.6	30	#10	30	CC
1/3	C9	3.5 - 5.0	30	#10	30	CC
1/2	C9	4.0 - 6.0	30	#10	30	CC
3/4	C9	5.5 - 8.5	30	#10	30	CC
1	C9	8.5 - 12.5	30	#10	30	CC
1 1/2	C12	8.5 - 12.5	30	#10	30	CC
2	C16	12.5 - 18	30	#10	30	CC
3	C23	17 - 24	40	#8	30	J
5	C32	30 - 40	40	#6	60	J
7 1/2	C50	37 - 50	63	#1	100	J

230 Volt Single Phase Motor

MOTOR HP	CONT.	O/L Amp RANGE	DISCONNECT SIZE (Amps)	MAX WIRE SIZE	FUSE HOLDER	
					SIZE	TYPE
1/4	C9	2.4 - 3.6	30	#10	30	CC
1/3	C9	3.5 - 5.0	30	#10	30	CC
1/2	C9	4.0 - 6.0	30	#10	30	CC
3/4	C9	5.5 - 8.5	30	#10	30	CC
1	C9	5.5 - 8.5	30	#10	30	CC
1 1/2	C12	8.5 - 12.5	30	#10	30	CC
2	C12	8.5 - 12.5	30	#10	30	CC
3	C23	12.5 - 18	40	#8	30	J
5	C28	22 - 30	40	#8	60	J
7 1/2	C40	37 - 50	63	#6	60	J

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COMBINATION STARTERS 3PH

C Series Combination Starters with FUSIBLE DISCONNECT (LOCKABLE HANDLE) • 1/3 - 25 HP • THREE PHASE

25 HP 208/60/3 TYPE 12

- For quick starting applications (<2 Sec)
- UL 508 Type Disconnect with Fuseblock
- Disconnect Handle lockable in the "OFF" position with up to three (3) padlocks. Padlocks not furnished
- Control Transformer (208/230/460 - 120 VAC) with fused secondary (fused primary above 50 Amps) - fuses furnished (NO Control Transformer on 120 Volt Units)
- HAND - OFF - AUTO (HOA) Selector Switch
- 2-Point Terminal Block for "AUTO" position
- Reset in door for Overload Relay
- Wired and ready to install
- Components are UL, cUL
- Power fuses optional - See page 37

NOTE: Weights shown are APPROXIMATE and do NOT include packing materials

How to Choose a Combination Starter

- Determine the Motor Starter by the MOTOR VOLTAGE and MOTOR HP as shown below
- Motor FULL LOAD AMPS must fall within the OVERLOAD AMP RANGE
- Consult Factory if required OVERLOAD AMP RANGE is other than shown.

200/208 Volt Three Phase Motor

MOTOR HP	CONT.	O/L Amp RANGE	DISCONNECT SIZE (Amps)	MAX WIRE SIZE	FUSE HOLDER	
					SIZE	TYPE
1/3	C9	1.4 - 2.1	30	#10	30	CC
1/2	C9	1.8 - 2.7	30	#10	30	CC
3/4	C9	3.5 - 5.0	30	#10	30	CC
1	C9	4.0 - 6.0	30	#10	30	CC
1 1/2	C9	5.5 - 8.5	30	#10	30	CC
2	C9	5.5 - 8.5	30	#10	30	CC
3	C12	8.5 - 12.5	40	#8	30	J
5	C23	12.5 - 18	40	#8	30	J
7 1/2	C28	22 - 30	40	#8	60	J
10	C32	30 - 40	40	#8	60	J
15	C50	37 - 50	63	#3	100	J
20	C65	48 - 65	100	#1	100	J
25	C80	63 - 80	100	#1	200	J

230 Volt Three Phase Motor

MOTOR HP	CONT.	O/L Amp RANGE	DISCONNECT SIZE (Amps)	MAX WIRE SIZE	FUSE HOLDER	
					SIZE	TYPE
1/3	C9	1.0 - 1.5	30	#10	30	CC
1/2	C9	1.8 - 2.7	30	#10	30	CC
3/4	C9	2.4 - 3.6	30	#10	30	CC
1	C9	3.5 - 5.0	30	#10	30	CC
1 1/2	C9	5.5 - 8.5	30	#10	30	CC
2	C9	5.5 - 8.5	30	#10	30	CC
3	C12	8.5 - 12.5	30	#10	30	CC
5	C16	12.5 - 18	40	#10	30	J
7 1/2	C23	17 - 24	40	#8	60	J
10	C28	22 - 30	40	#8	60	J
15	C50	37 - 50	63	#1	100	J
20	C65	48 - 65	100	#1	100	J
25	C80	63 - 80	100	#1	200	J
30	C80	77 - 97	100	#1	200	J

460 Volt Three Phase Motor

MOTOR HP	CONT.	O/L Amp RANGE	DISCONNECT SIZE (Amps)	MAX WIRE SIZE	FUSE HOLDER	
					SIZE	TYPE
1/3	C9	0.67 - 1.0	30	#10	30	CC
1/2	C9	1.0 - 1.5	30	#10	30	CC
3/4	C9	1.4 - 2.1	30	#10	30	CC
1	C9	1.8 - 2.7	30	#10	30	CC
1 1/2	C9	2.4 - 3.6	30	#10	30	CC
2	C9	2.4 - 3.6	30	#10	30	CC
3	C9	4.0 - 6.0	30	#10	30	CC
5	C9	5.5 - 8.5	30	#10	30	CC
7 1/2	C12	8.5 - 12.5	30	#10	30	CC
10	C16	12.5 - 18	30	#10	30	CC
15	C23	17 - 24	40	#10	60	J
20	C28	22 - 30	40	#8	60	J
25	C40	30 - 40	63	#8	60	J
30	C40	37 - 50	63	#6	60	J
40	C65	48 - 65	63	#1	100	J
50	C65	63 - 80	80	#1	100	J
60	C80	63 - 80	100	#1	200	J

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ENCLOSED DISCONNECT SWITCHES

AZC-EDS-NF Enclosed non-fused Disconnect Switches provide superior performance in the most severe industrial environments and are certified as Manual Motor Controllers Suitable as Motor Disconnects for motors up to 25HP at 480V (30kW at 400V). Product features include: • 10kA short circuit rating at 600V AC with Class J fuses. • Positive drive to open double break contacts ensure circuit isolation.

1. A variety of compact, lift-off cover ABS Plastic, Polycarbonate and Carbon Steel enclosures with Type 1, 4X, 12, 13 and IP65 ratings for the most demanding applications - including wash-downs and corrosive environments.
2. Red/Yellow or Black/Grey Operating Handles that can be padlocked in the “OFF” position with up to three padlocks for extra safety and the security needed during maintenance activities.
3. The modular switch design allows three and four pole switches and auxiliary contacts to be specified for application flexibility.
4. Switches include IP20 terminals. A line-side terminal shield is provided as standard on the disconnect switches to guard against accidental contact with live parts.
5. ABS Plastic enclosed disconnect switches feature panel/base mount switches for ultimate ease of wiring.

	RATINGS FOR SWITCHING AC MOTORS HP (60HZ)								
	1 PHASE		3 PHASE						
CURRENT RATING (A)	120V	240V	240V	480V	600V	NUMBER OF POLES	OPERATING HANDLE TYPE	OPERATING HANDLE COLOR	ENCLOSURE TYPE
16	1/2	1-1/2	3	7-1/2	10	3	Lever	Red/Yellow	ABS
25	1-1/2	2	7-1/2	15	20	3	Round	Red//Yellow	ABS CS PC
32	2	3	7-1/2	20	25	3	Round	Red//Yellow	ABS CS PC
40	3	5	10	20	30	3	Round	Red//Yellow	ABS CS PC
63	3	7-1/2	15	25	30	3	Round	Red//Yellow	ABS CS PC

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ENCLOSED POWER SUPPLIES

AZC-EPS (Enclosed Power Supplies) provides reliable 24VAC power to HVAC controllers in VAV (variable air volume) systems. These assemblies offer a convenient construction consisting of one to two transformers varying in size to provide one to five 24VAC 100VA Class 2 outputs housed within a single metal enclosure. Additionally, these enclosed power supplies provide on/off control, power indication, equipment overcurrent protection, as well as options for voltage separation compartments and convenience receptacle outlets. These versatile products are UL 916 listed ensuring safety and easy acceptance in your application.

	UNITS				
TRANSFORMER					
Transformer Size	VA	500	300	100	100
Number of Transformers		1	1	1	2
INPUT CIRCUIT (PRIMARY)					
Input Voltage		120VAC 60 Hz			
Input Terminals					
Wire Range/Size	AWG	24 - 12			
Terminal Torque	in-lbs	4.5			
Convenience Receptacle					
-F Assemblies		NEMA 5-15R 125VAC 15A, 1 Receptacle		NEMA 5-15R 125VAC 15A, 2 Receptacles	
-B Assemblies		—		NEMA 5-15R 125VAC 15A, 2 Receptacles	
Overcurrent Protection					
-F Assemblies		10A UL 1077 Circuit Breaker			
-B Assemblies		No provided input circuit overcurrent protection			
OUTPUT CIRCUIT(S)					
Number of Output Circuits		5	3	1	2
Output Rating (Each)		100VA Ungrounded Class 2 (UL Listed)			
Output Voltage		24VAC 60 Hz			
Output Terminals					
Wire Range/Size	AWG	24 - 12		26 - 14	
Terminal Torque	in-lbs	4.4		7	
ENVIRONMENTAL RATING		NEMA Type 1			
ENCLOSURE MATERIAL		Carbon Steel			
ENCLOSURE DIMENSIONS		See dimension drawings			
UL STANDARDS		UL 916 Listed, UL File #: E530348 Designed for UL 916 with Class 2 Output Circuits			
ROHS COMPLIANCE		For RoHS compliance documentation by product, refer to c3controls.com			