

# AR | AD | ADX | AUL-5

## Rotary Phase Converter Data Sheet



American Rotary has been making premium rotary phase converters for more than 20 years. American Rotary provides industry leading telephone support for technical, application, and sizing questions. American Rotary stands behind its products with the best warranty in the industry. American Rotary uses premium components to ensure that its products perform for you. American Rotary is a UL Certified Control Panel Builder, and its rotary phase converters are available UL Listed to US and Canadian Safety Standards. American Rotary has partnered with Baldor Electric one of the world's largest and most respected manufacturers to supply its custom-engineered idler/generators. American Rotary is listed with D&B as well as the Better Business Bureau, and is committed to high ethical and privacy standards.

American Rotary's Wisconsin based team is dedicated to technical support, customer service and delivering value to its customers. With in-house R&D, engineering, tech support and manufacturing, American Rotary delivers what you need. Listed with D&B and with the Better Business Bureau, American Rotary is committed to providing you with a great buying experience. American Rotary challenges you to compare our warranties to any other manufacturer's. - American Rotary stands behind its units!

American Rotary offers a variety of options that match the right phase converter performance to your specific needs. Some of our choices include:

**AR-** General purpose light duty phase converter. This model is perfect for easy to light duty loads such as a drill press, table saw, etc.

**AD** - Our AD model is built with our MicroSmart Controller that will monitor the voltage every millisecond to ensure your equipment has the right voltage all the time. This MicroSmart controller provides precise control of the phase converter which provides better voltage balance and prolonged life of the converter. Our AD Model is perfect for voltage sensitive medium duty loads such as CNC Equipment, EDM Machines, Welders, Ovens, etc. These types of equipment require precise voltage balance making the AD your perfect solution.

**ADX**- Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment. These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL**- Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	5
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	0.3(\$0.03/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	12
Minimum Breaker Size	20
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	2.5HP / 7 amps
Maximum Running Load	5HP / 14 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	11.5" X 12.5" X 8.5"
Panel H X W X D	16" X 12" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	93

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# AR | AD | ADX | AUL-10

## Rotary Phase Converter Data Sheet



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**AD** - Our AD model is built with our MicroSmart Controller that will monitor the voltage every millisecond to ensure your equipment has the right voltage all the time. This MicroSmart controller provides precise control of the phase converter which provides better voltage balance and prolonged life of the converter. Our AD Model is perfect for voltage sensitive medium duty loads such as CNC Equipment, EDM Machines, Welders, Ovens, etc. These types of equipment require precise voltage balance making the AD your perfect solution.

**ADX**- Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment. These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL**- Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	10
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	0.3(\$0.03/hr)
Single Phase Requirements	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	10
Minimum Breaker Size	40
Three Phase Specifications	
Voltage Balance	0 - 5%
Maximum Starting Load	5HP / 14 amps
Maximum Running Load	10HP / 28 amps
Physical Specifications	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	12.5" X 12" X 10"
Panel H X W X D	16" X 12" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	138

Learn More By Following Us On:



# AR | AD | ADX | AUL-15

## Rotary Phase Converter Data Sheet



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**ADX**- Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment. These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL**- Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	15
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	0.45(\$0.05/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	8
Minimum Breaker Size	50
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	7.5HP / 21 amps
Maximum Running Load	15HP / 42 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	14.5" X 15.5" X 11"
Panel H X W X D	16" X 12" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	219

Learn More By Following Us On:



# AR | AD | ADX | AUL-20

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**ADX**- Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment. These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL**- Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	20
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	0.6(\$0.06/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	6
Minimum Breaker Size	60
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	10HP / 28 amps
Maximum Running Load	20HP / 56 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	17.5" X 14" X 12"
Panel H X W X D	20" X 14" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	266

Learn More By Following Us On:



# AR | AD | ADX | AUL-25

## Rotary Phase Converter Data Sheet



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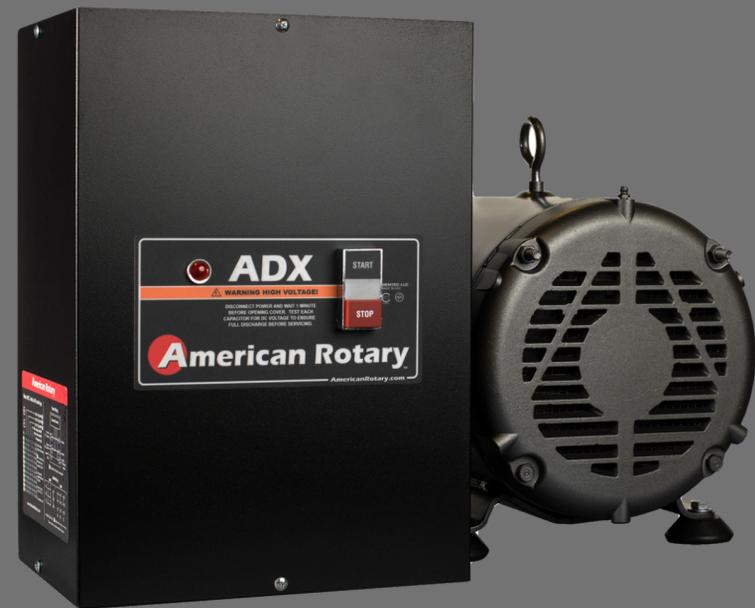
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**AD** - Our AD model is built with our MicroSmart Controller that will monitor the voltage every millisecond to ensure your equipment has the right voltage all the time. This MicroSmart controller provides precise control of the phase converter which provides better voltage balance and prolonged life of the converter. Our AD Model is perfect for voltage sensitive medium duty loads such as CNC Equipment, EDM Machines, Welders, Ovens, etc. These types of equipment require precise voltage balance making the AD your perfect solution.

**ADX**- Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment. These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL**- Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	25
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	0.74(\$0.07/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	4
Minimum Breaker Size	80
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	12.5HP / 35 amps
Maximum Running Load	25HP / 70 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	18.75" X 11.75" X 18.5"
Panel H X W X D	20" X 14" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	290

Learn More By Following Us On:



# AR | AD | ADX | AUL-30

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ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
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### Idler / Generator

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- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	30
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	0.90(\$0.09/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	3
Minimum Breaker Size	100
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	15HP / 42 amps
Maximum Running Load	30HP / 84 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	21" X 19" X 14"
Panel H X W X D	20" X 14" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	352

Learn More By Following Us On:



# AR | AD | ADX | AUL-40

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ADX Model Shown in Picture

### Control Panel

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- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
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- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	40
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	1.2(\$0.12/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	1
Minimum Breaker Size	125
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	20HP / 56 amps
Maximum Running Load	40HP / 112 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	22.5" X 21" X 16"
Panel H X W X D	24" X 18" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	368

Learn More By Following Us On:



# AD | ADX | AUL-50

## Rotary Phase Converter Data Sheet



American Rotary has been making premium rotary phase converters for more than 20 years. American Rotary provides industry leading telephone support for technical, application, and sizing questions. American Rotary stands behind its products with the best warranty in the industry. American Rotary uses premium components to ensure that its products perform for you. American Rotary is a UL Certified Control Panel Builder, and its rotary phase converters are available UL Listed to US and Canadian Safety Standards. American Rotary has partnered with Baldor Electric one of the world's largest and most respected manufacturers to supply its custom-engineered idler/generators. American Rotary is listed with D&B as well as the Better Business Bureau, and is committed to high ethical and privacy standards.

American Rotary's Wisconsin based team is dedicated to technical support, customer service and delivering value to its customers. With in-house R&D, engineering, tech support and manufacturing, American Rotary delivers what you need. Listed with D&B and with the Better Business Bureau, American Rotary is committed to providing you with a great buying experience. American Rotary challenges you to compare our warranties to any other manufacturer's. - American Rotary stands behind its units!

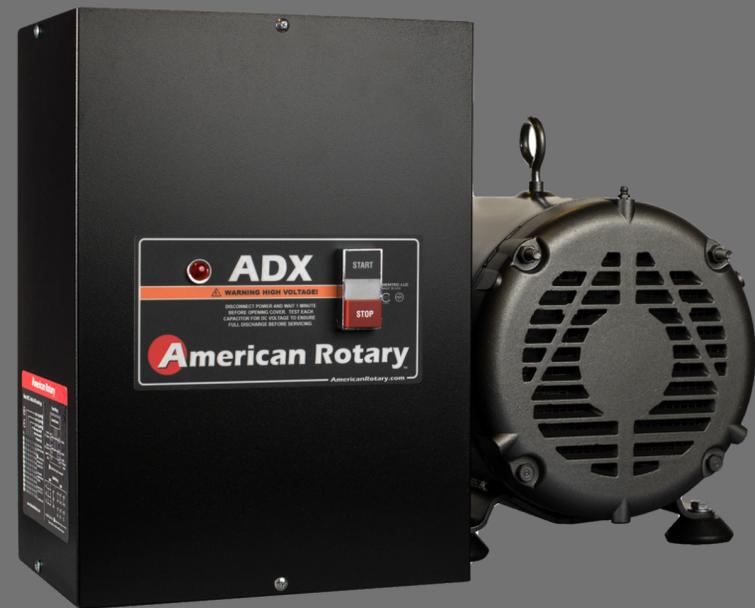
American Rotary offers a variety of options that match the right phase converter performance to your specific needs. Some of our choices include:

**AR-** General purpose light duty phase converter. This model is perfect for easy to light duty loads such as a drill press, table saw, etc.

**AD** - Our AD model is built with our MicroSmart Controller that will monitor the voltage every millisecond to ensure your equipment has the right voltage all the time. This MicroSmart controller provides precise control of the phase converter which provides better voltage balance and prolonged life of the converter. Our AD Model is perfect for voltage sensitive medium duty loads such as CNC Equipment, EDM Machines, Welders, Ovens, etc. These types of equipment require precise voltage balance making the AD your perfect solution.

**ADX**- Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment. These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL**- Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*
- \*Not available on AR Model*

Learn More By Following Us On:



General Specifications	Data
Model	50
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	1.5(\$0.15/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	1/0
Minimum Breaker Size	150
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	25HP / 70 amps
Maximum Running Load	50HP / 140 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	22.5" X 21" X 16"
Panel H X W X D	24" X 18" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	476

# AD | ADX | AUL-60

## Rotary Phase Converter Data Sheet



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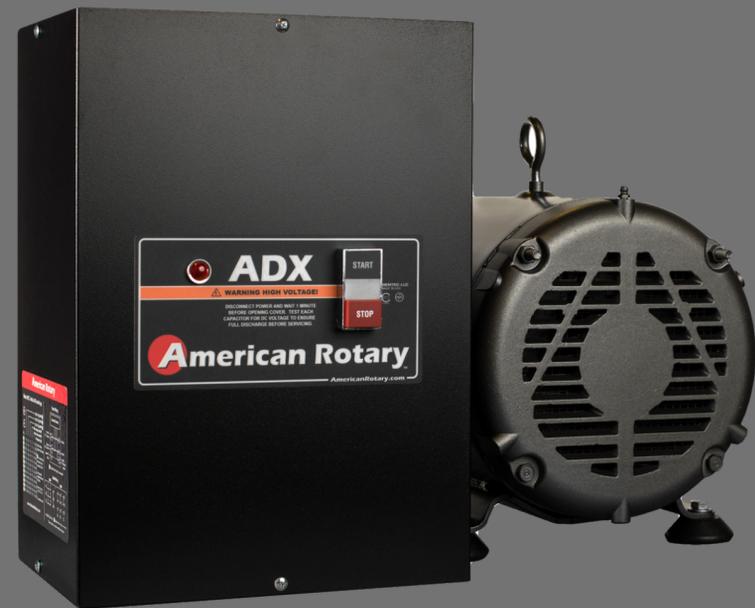
American Rotary offers a variety of options that match the right phase converter performance to your specific needs. Some of our choices include:

**AR-** General purpose light duty phase converter. This model is perfect for easy to light duty loads such as a drill press, table saw, etc.

**AD** - Our AD model is built with our MicroSmart Controller that will monitor the voltage every millisecond to ensure your equipment has the right voltage all the time. This MicroSmart controller provides precise control of the phase converter which provides better voltage balance and prolonged life of the converter. Our AD Model is perfect for voltage sensitive medium duty loads such as CNC Equipment, EDM Machines, Welders, Ovens, etc. These types of equipment require precise voltage balance making the AD your perfect solution.

**ADX**- Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment. These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL**- Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	60
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	1.8 (\$0.18/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	2/0
Minimum Breaker Size	175
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	30HP / 84 amps
Maximum Running Load	60HP / 168 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	22.5" X 22" X 17"
Panel H X W X D	24" X 18" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	538

Learn More By Following Us On:



# AD | ADX | AUL-75

## Rotary Phase Converter Data Sheet



American Rotary has been making premium rotary phase converters for more than 20 years. American Rotary provides industry leading telephone support for technical, application, and sizing questions. American Rotary stands behind its products with the best warranty in the industry. American Rotary uses premium components to ensure that its products perform for you. American Rotary is a UL Certified Control Panel Builder, and its rotary phase converters are available UL Listed to US and Canadian Safety Standards. American Rotary has partnered with Baldor Electric one of the world's largest and most respected manufacturers to supply its custom-engineered idler/generators. American Rotary is listed with D&B as well as the Better Business Bureau, and is committed to high ethical and privacy standards.

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American Rotary offers a variety of options that match the right phase converter performance to your specific needs. Some of our choices include:

**AR-** General purpose light duty phase converter. This model is perfect for easy to light duty loads such as a drill press, table saw, etc.

**AD** - Our AD model is built with our MicroSmart Controller that will monitor the voltage every millisecond to ensure your equipment has the right voltage all the time. This MicroSmart controller provides precise control of the phase converter which provides better voltage balance and prolonged life of the converter. Our AD Model is perfect for voltage sensitive medium duty loads such as CNC Equipment, EDM Machines, Welders, Ovens, etc. These types of equipment require precise voltage balance making the AD your perfect solution.

**ADX**- Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment. These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL**- Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	75
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	2.1 (\$0.21/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size	4/O
Minimum Breaker Size	200
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	37.5HP / 105 amps
Maximum Running Load	75HP / 210 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Idler L X D X H	22.5" X 22" X 17"
Panel H X W X D	24" X 18" X 8"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	617

Learn More By Following Us On:



# ADX | AUL-100

## Rotary Phase Converter Data Sheet



American Rotary has been making premium rotary phase converters for more than 20 years. American Rotary provides industry leading telephone support for technical, application, and sizing questions. American Rotary stands behind its products with the best warranty in the industry. American Rotary uses premium components to ensure that its products perform for you. American Rotary is a UL Certified Control Panel Builder, and its rotary phase converters are available UL Listed to US and Canadian Safety Standards. American Rotary has partnered with Baldor Electric one of the world's largest and most respected manufacturers to supply its custom-engineered idler/generators. American Rotary is listed with D&B as well as the Better Business Bureau, and is committed to high ethical and privacy standards.

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American Rotary offers a variety of options that match the right phase converter performance to your specific needs. Some of our choices include:

The ADX-100 is two ADX50 units running parallel, using a series of Enclosed Contactors preventing backfeeding.

**ADX-** Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. The CTR coil acts as a stabilizer, ensuring consistent voltage and current. CTR coil starts your high inertia machinery with ease in about 1/3 the time of a standard phase converter.

The ADX also features the MicroSmart™ Controller and is a patent technology which provides precise control of the phase converter. It monitors the voltage every millisecond providing better voltage control, prolonging the life of the converter.

This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment.

These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL-** Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	100
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	3(\$0.30/hr)
Single Phase Requirements	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size Per Unit	1/0
Minimum Breaker Size Per Unit	150
Three Phase Specifications	
Voltage Balance	0 - 5%
Maximum Starting Load	50HP / 140 amps
Maximum Running Load	100HP / 280 amps
Physical Specifications	
Idler Insulation Class	F
Idler RPM	1750
Per Unit H X W X D	24" X 18" X 8"
Enclosed Contactor	24" X 20" X 10"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	952

ADX-100 Consists of 2 complete units paired with an Enclosed Contactor panel

Learn More By Following Us On:



# ADX | AUL-120

## Rotary Phase Converter Data Sheet



American Rotary has been making premium rotary phase converters for more than 20 years. American Rotary provides industry leading telephone support for technical, application, and sizing questions. American Rotary stands behind its products with the best warranty in the industry. American Rotary uses premium components to ensure that its products perform for you. American Rotary is a UL Certified Control Panel Builder, and its rotary phase converters are available UL Listed to US and Canadian Safety Standards. American Rotary has partnered with Baldor Electric one of the world's largest and most respected manufacturers to supply its custom-engineered idler/generators. American Rotary is listed with D&B as well as the Better Business Bureau, and is committed to high ethical and privacy standards.

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American Rotary offers a variety of options that match the right phase converter performance to your specific needs. Some of our choices include:

The ADX-120 is two ADX60 units running parallel, using a series of Enclosed Contactors preventing backfeeding.

**ADX-** Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. The CTR coil acts as a stabilizer, ensuring consistent voltage and current. CTR coil starts your high inertia machinery with ease in about 1/3 the time of a standard phase converter.

The ADX also features the MicroSmart™ Controller and is a patent technology which provides precise control of the phase converter. It monitors the voltage every millisecond providing better voltage control, prolonging the life of the converter.

This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment.

These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL-** Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	120
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	3.6(\$0.36/hr)
Single Phase Requirements	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size Per Unit	2/0
Minimum Breaker Size Per Unit	175
Three Phase Specifications	
Voltage Balance	0 - 5%
Maximum Starting Load	60HP / 168 amps
Maximum Running Load	120HP / 336 amps
Physical Specifications	
Idler Insulation Class	F
Idler RPM	1750
Per Unit H X W X D	24" X 18" X 8"
Enclosed Contactor	24" X 20" X 10"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	1,076

ADX-120 Consists of 2 complete units paired with an Enclosed Contactor panel

Learn More By Following Us On:



# ADX | AUL-150

## Rotary Phase Converter Data Sheet



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American Rotary offers a variety of options that match the right phase converter performance to your specific needs. Some of our choices include:

The ADX-150 is two ADX75 units running parallel, using a series of Enclosed Contactors preventing backfeeding.

**ADX-** Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. The CTR coil acts as a stabilizer, ensuring consistent voltage and current. CTR coil starts your high inertia machinery with ease in about 1/3 the time of a standard phase converter.

The ADX also features the MicroSmart™ Controller and is a patent technology which provides precise control of the phase converter. It monitors the voltage every millisecond providing better voltage control, prolonging the life of the converter.

This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment.

These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL-** Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	150
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	4.2(\$0.42/hr)
Single Phase Requirements	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size Per Unit	4/O
Minimum Breaker Size Per Unit	200
Three Phase Specifications	
Voltage Balance	0 - 5%
Maximum Starting Load	75HP / 210 amps
Maximum Running Load	150HP / 420 amps
Physical Specifications	
Idler Insulation Class	F
Idler RPM	1750
Per Unit H X W X D	24" X 18" X 8"
Enclosed Contactor	24" X 20" X 10"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	1,234

ADX-150 Consists of 2 complete units paired with an Enclosed Contactor panel

Learn More By Following Us On:



# ADX | AUL-200

## Rotary Phase Converter Data Sheet



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American Rotary offers a variety of options that match the right phase converter performance to your specific needs. Some of our choices include:

The ADX-200 is four ADX50 units running parallel, using a series of Enclosed Contactors preventing backfeeding.

**ADX-** Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. The CTR coil acts as a stabilizer, ensuring consistent voltage and current. CTR coil starts your high inertia machinery with ease in about 1/3 the time of a standard phase converter.

The ADX also features the MicroSmart™ Controller and is a patent technology which provides precise control of the phase converter. It monitors the voltage every millisecond providing better voltage control, prolonging the life of the converter.

This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment.

These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL-** Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	200
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	6.0(\$0.60/hr)
Single Phase Requirements	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size Per Unit	1/0
Minimum Breaker Size Per Unit	150
Three Phase Specifications	
Voltage Balance	0 - 5%
Maximum Starting Load	100HP / 280 amps
Maximum Running Load	200HP / 560 amps
Physical Specifications	
Idler Insulation Class	F
Idler RPM	1750
Per Unit H X W X D	24" X 18" X 8"
Enclosed Contactor	24" X 20" X 10"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	1,472

ADX-200 Consists of 4 complete units paired with an Enclosed Contactor panel

Learn More By Following Us On:



# ADX | AUL-300

## Rotary Phase Converter Data Sheet



American Rotary has been making premium rotary phase converters for more than 20 years. American Rotary provides industry leading telephone support for technical, application, and sizing questions. American Rotary stands behind its products with the best warranty in the industry. American Rotary uses premium components to ensure that its products perform for you. American Rotary is a UL Certified Control Panel Builder, and its rotary phase converters are available UL Listed to US and Canadian Safety Standards. American Rotary has partnered with Baldor Electric one of the world's largest and most respected manufacturers to supply its custom-engineered idler/generators. American Rotary is listed with D&B as well as the Better Business Bureau, and is committed to high ethical and privacy standards.

American Rotary's Wisconsin based team is dedicated to technical support, customer service and delivering value to its customers. With in-house R&D, engineering, tech support and manufacturing, American Rotary delivers what you need. Listed with D&B and with the Better Business Bureau, American Rotary is committed to providing you with a great buying experience. American Rotary challenges you to compare our warranties to any other manufacturer's - American Rotary stands behind its units!

American Rotary offers a variety of options that match the right phase converter performance to your specific needs. Some of our choices include:

The ADX-300 is four ADX75 units running parallel, using a series of Enclosed Contactors preventing backfeeding.

**ADX-** Our ADX Model includes all the features and benefits of our AD Model but also has our Current Transient Reactor (also known as CTR) in it. The CTR coil acts as a stabilizer, ensuring consistent voltage and current. CTR coil starts your high inertia machinery with ease in about 1/3 the time of a standard phase converter.

The ADX also features the MicroSmart™ Controller and is a patent technology which provides precise control of the phase converter. It monitors the voltage every millisecond providing better voltage control, prolonging the life of the converter.

This CTR Controller, along with our MicroSmart Controller, allows higher amounts of current to be drawn through the phase converter. This produces more torque while maintaining voltage and power with precision for sensitive equipment.

These ADX Models are perfect for hard starting loads such as Air Compressors, HVAC, Refrigeration and equipment such as Wide Belt Sanders that have a long start time to get up to speed.

**AUL-** Our AUL unit comes with all the benefits and features of our ADX model with added components to not only meet, but exceed UL safety guidelines. These units come UL certified with the appropriate documentation. UL certification is not required in all locations or installations so please check with your local inspectors to see if the AUL model is the right unit for you.



ADX Model Shown in Picture

### Control Panel

- Push Button ON/OFF Switch w/ PowerGuard Protection
- Heavy Duty Performance, 100% Power
- Powder-Coated Steel Enclosures for an attractive and durable appearance
- Integrated Protection in case of power interruption
- Easy access terminal block wiring connections
- Best Warranty in the Industry

### Idler / Generator

- Designed and engineered specifically for phase conversion
- Achieve optimized voltage and current balance throughout the full load of the converter
- Soft Start Rating by drastically reducing in-rush current upon startup
- Runs cool, quietly and efficiently with or without load applied
- Manufactured in the USA by Baldor Electric

### Optional Upgrades

- Floor Mount | 3PH Breaker | 3PH Receptacle | Surge Protection | Wired or Wireless Remote Switch | Automation Control\* | Phase Monitoring\* | 480V-Special Order\* | Outdoor or see our AI Series\*

\*Not available on AR Model

General Specifications	Data
Model	300
Efficiency	>98% (at Power Factor of .9)
Idle Power Consumption (kW)	8.4(\$0.84/hr)
<b>Single Phase Requirements</b>	
Input Voltage	208 - 250
Frequency (Hz)	50 / 60
Minimum Wire Size Per Unit	4/O
Minimum Breaker Size Per Unit	200
<b>Three Phase Specifications</b>	
Voltage Balance	0 - 5%
Maximum Starting Load	150HP / 410 amps
Maximum Running Load	300HP / 840 amps
<b>Physical Specifications</b>	
Idler Insulation Class	F
Idler RPM	1750
Per Unit H X W X D	24" X 18" X 8"
Enclosed Contactor	24" X 20" X 10"
Panel Style	Nema 1 / Type 1 Indoor
Total Weight (lbs)	2,468

ADX-300 Consists of 4 complete units paired with an Enclosed Contactor panel

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