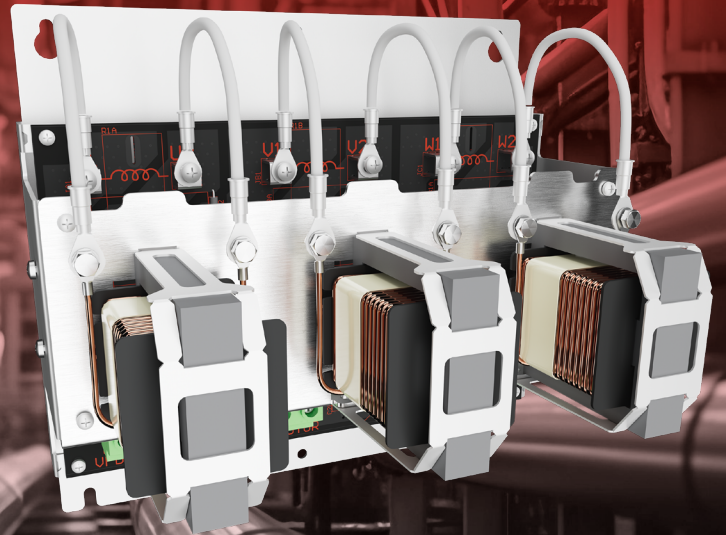


SW

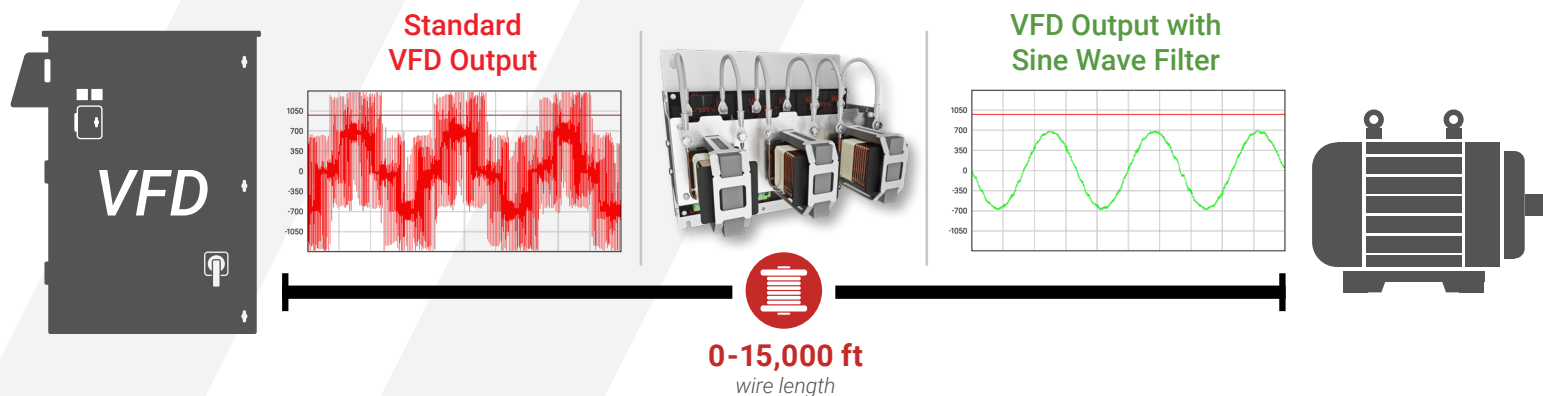
SINE WAVE OUTPUT FILTERS

MOTOR PROTECTION



Sine Wave Output Filter Graph

Our SW Series output filters are designed to extend the life of motors, bearings, and cable by reducing voltage spikes with superior peak voltage protection for long lead motor applications.



Models

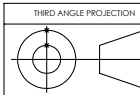
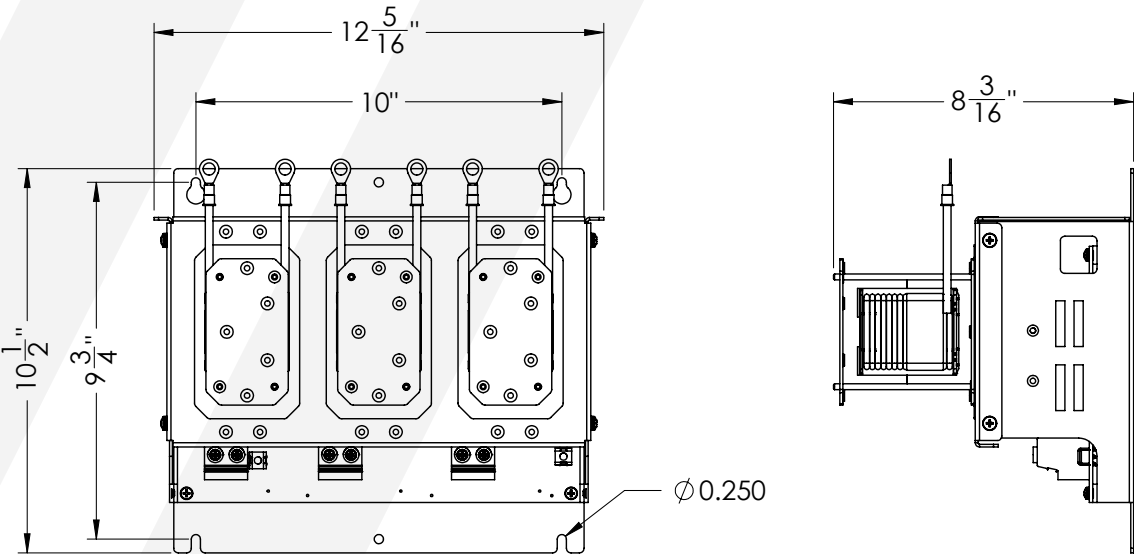
Model / Part Number	SW009	SW013	SW018	SW031	SW045	SW060	SW077	SW090	SW107	SW128	SW160	SW200	SW250	SW362	SW480
Current (Amps)	9 A	13 A	18 A	31 A	45 A	60 A	77 A	90 A	107 A	128 A	160 A	200 A	250 A	362 A	480 A

Technical Specifications

Efficiency	Continuous Service Factor	Overload Rating	Voltage Range	Voltage Options	Current Range	Rated Temperature	Altitude	Input Frequency	Inductance Curve	Enclosure Types
≥ 99%	1.0	200% of RMS for 1 min	208 V – 480 V	230 V 480 V	9 – 480 A	-40°C – 40°C (-40°F – 104°F)	(Derate by 5°C every 2,000 ft over 5,500 ft of elevation) 50/60 Hz	50/60 Hz	100% at 100% Current 90% at 150% Current 75% at 200% Current	Open NEMA 1 (Indoor) NEMA 3R (Outdoor)



EE-Core SW 5 - 7.5 HP Open



UNLESS OTHERWISE SPECIFIED:
NO DIM, ±0.060" TO MODEL
FRACTIONAL ± 1/16"
0.XX: ±0.06" 0.XXX: ±0.020"
ANGLES: ±1°
HOLE Ø: ±0.003" TO MODEL
HOLE ⌀: ±0.010" TO MODEL
WELD: ANSI STANDARD

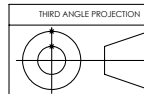
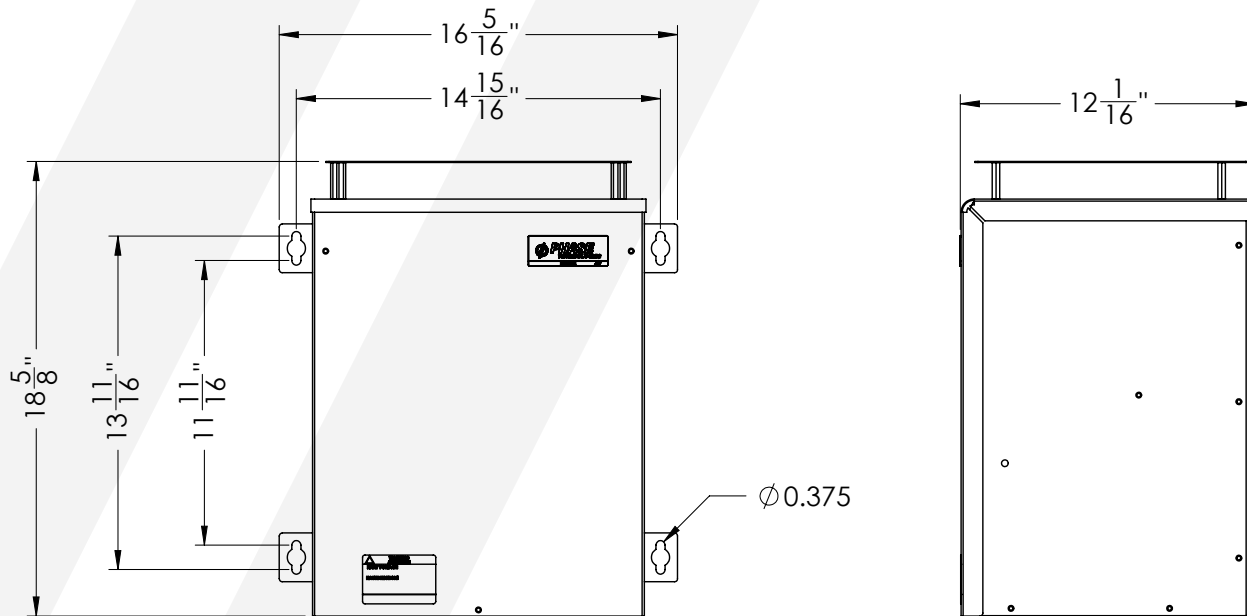
MODELS			
SW009E0		SW013E0	
Drawing Title: SW, 5-7.5HP, OPEN			
Part Number: SW, 5-7.5HP, E0		Revision:	
Material:			
Finish:			
Drawn by: EC		Checked/Approved by: JH	
Scale: 1:4	Sheet: 1 of 1	Date: 3/12/2025	Units: IN



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EE-Core SW 5 - 7.5 HP E1



UNLESS OTHERWISE SPECIFIED:
 NO DIM, ± 0.060 " TO MODEL
 FRACTIONAL $\pm 1/16$ "
 0.XX: ± 0.06 " 0.XXX: ± 0.020 "
 ANGLES: $\pm 1^\circ$
 HOLE ϕ : ± 0.003 " TO MODEL
 HOLE ϕ : ± 0.010 " TO MODEL
 WELD: ANSI STANDARD

MODELS

SW009E1

SW013E1

Drawing Title:

SW, 5-7.5HP, E1 ENCLOSURE

Part Number:

SW, 5-7.5HP, E1

Revision:

Material:

Finish:

Drawn by:

EC

Checked/Approved by:

JH

Scale:

1:6

Sheet:

1 of 1

Date:

3/12/2025

Units:

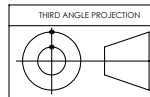
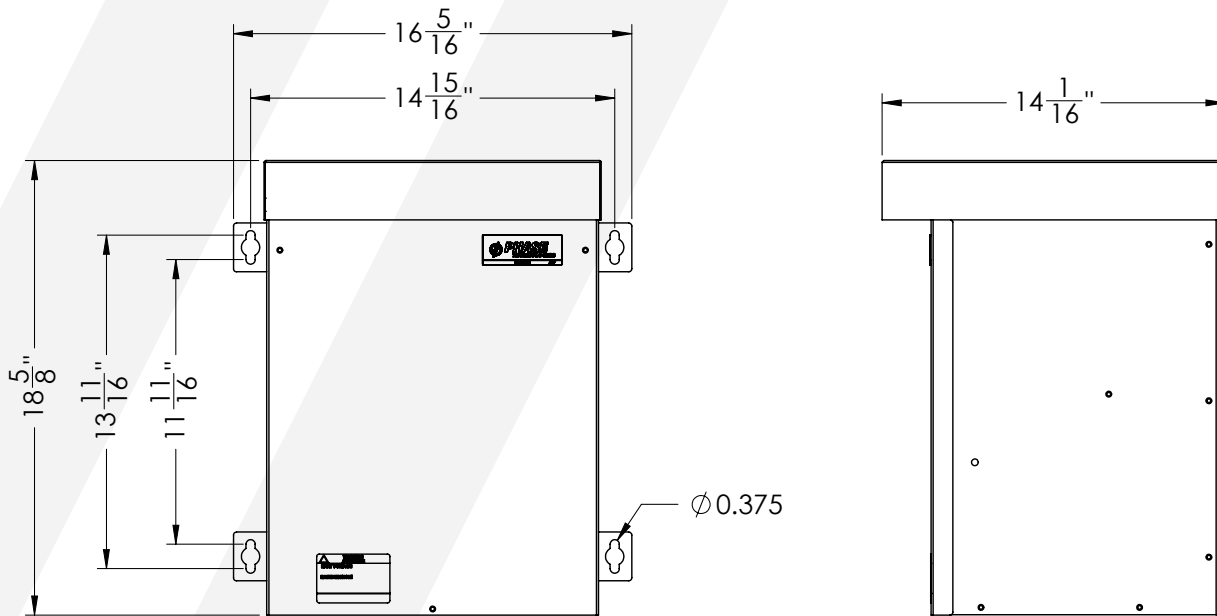
IN



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EE-Core SW 5 - 7.5 HP E3



UNLESS OTHERWISE SPECIFIED:
 NO DIM, ± 0.060 " TO MODEL
 FRACTIONAL $\pm 1/16$ "
 0.XX: ± 0.06 " 0.XXX: ± 0.020 "
 ANGLES: $\pm 1^\circ$
 HOLE ϕ : ± 0.003 " TO MODEL
 HOLE ϕ : ± 0.010 " TO MODEL
 WFI D: ANSI STANDARD

MODELS

SW009E3

SW013E3

Drawing Title:

SW, 5-7.5HP, E3 ENCLOSURE

Part Number:

SW, 5-7.5HP, E3

Revision:

Material:

Finish:

Drawn by:

EC

Checked/Approved by:

JH

Scale:

1:6

Sheet:

1 of 1

Date:

3/12/2025

Units:

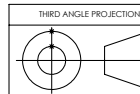
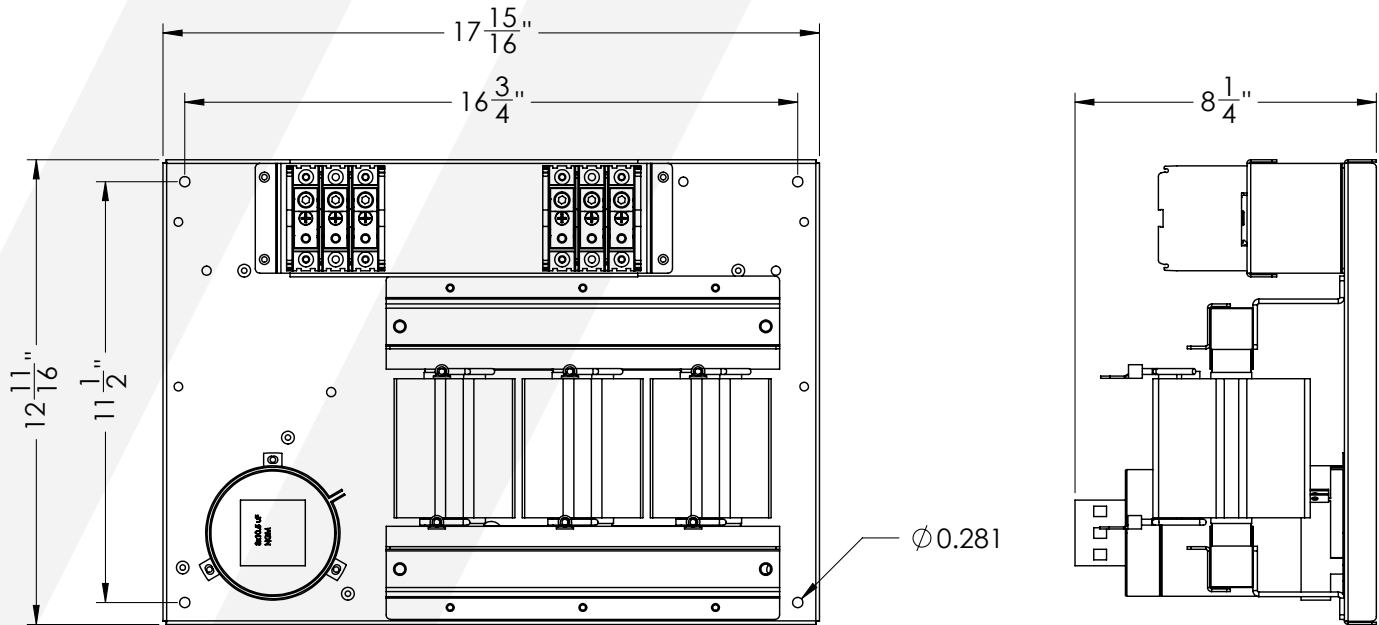
IN



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El-Core SW 10-15 HP Open



UNLESS OTHERWISE SPECIFIED:
 NO DIM, ± 0.060 " TO MODEL
 FRACTIONAL $\pm 1/16$ "
 0.XX: ± 0.06 " 0.XXX: ± 0.020 "
 ANGLES: $\pm 1^\circ$
 HOLE \varnothing : ± 0.003 " TO MODEL
 HOLE \oplus : ± 0.010 " TO MODEL
 WELD: ANSI STANDARD

MODELS

SW016E0

SW025E0

Drawing Title:

SW, 10-15HP, OPEN

Part Number:

SW, 10-15HP, E0

Revision:

Material:

Finish:

Drawn by:

EC

Checked/Approved by:

JH

Scale:

1:4

Sheet:

1 of 1

Date:

3/12/2025

Units:

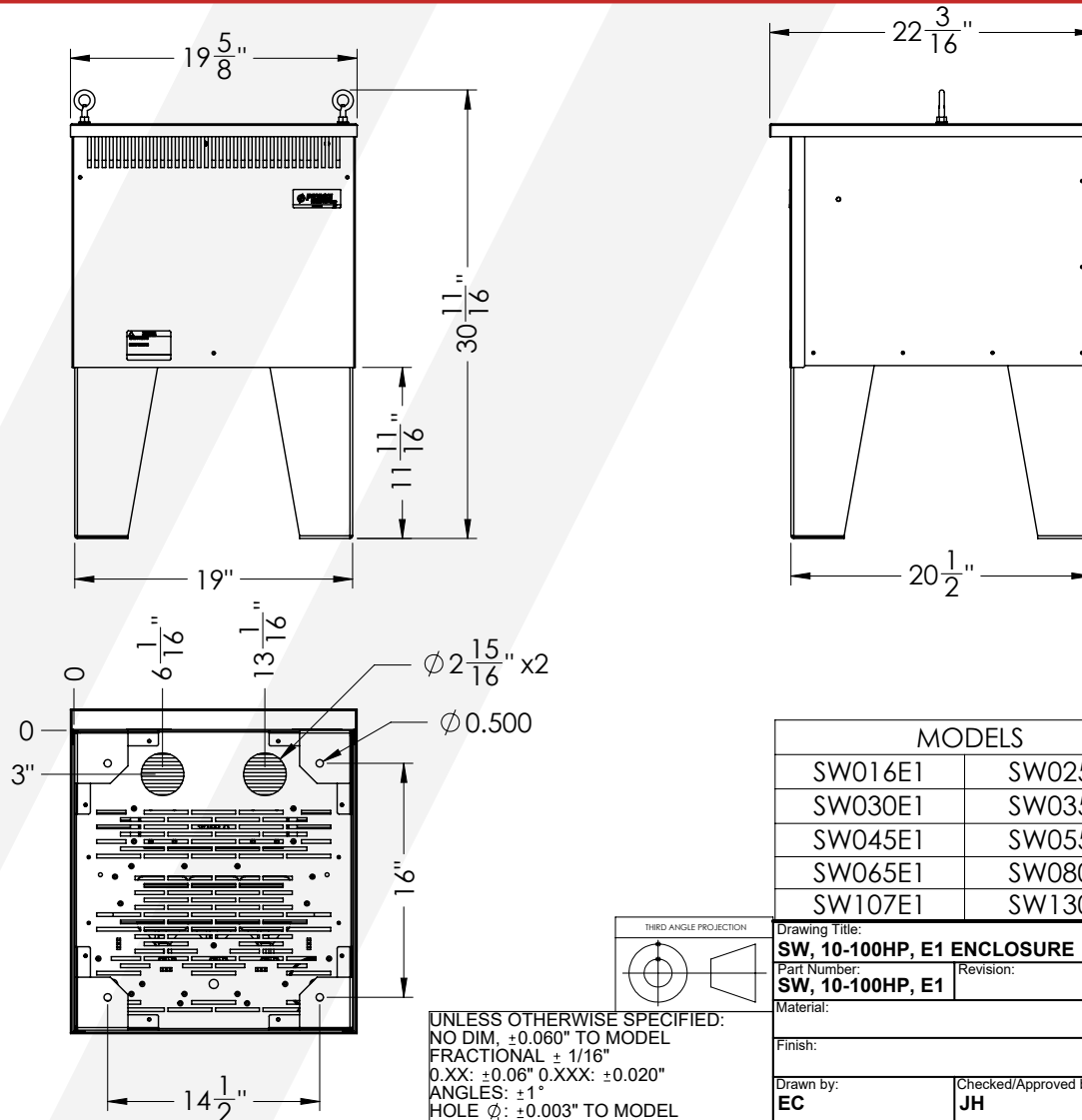
IN



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El-Core SW 10-100 HP E1



MODELS	
SW016E1	SW025E1
SW030E1	SW035E1
SW045E1	SW055E1
SW065E1	SW080E1
SW107E1	SW130E1

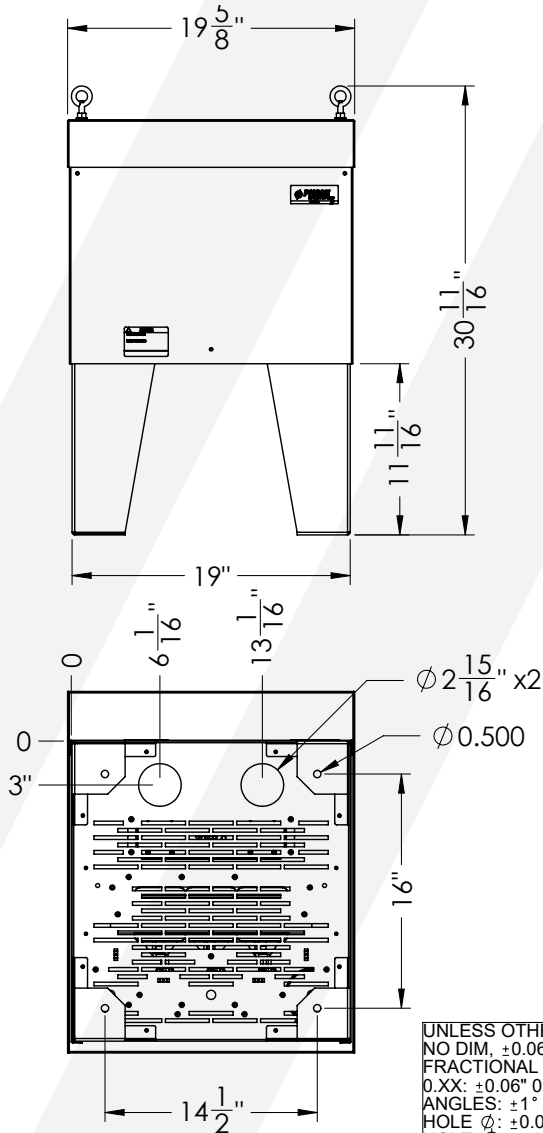
Drawing Title: SW, 10-100HP, E1 ENCLOSURE	
Part Number: SW, 10-100HP, E1	Revision:
Material:	
Finish:	
Drawn by: EC	Checked/Approved by: JH
Scale: 1:10	Sheet: 1 of 1
Date: 3/12/2025	Units: IN



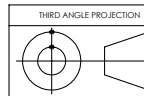
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El-Core SW 10-100 HP E3



UNLESS OTHERWISE SPECIFIED:
 NO DIM. $\pm 0.060"$ TO MODEL
 FRACTIONAL $\pm 1/16"$
 0.XX: $\pm 0.06"$ 0.XXX: $\pm 0.020"$
 ANGLES: $\pm 1^\circ$
 HOLE ϕ : $\pm 0.003"$ TO MODEL
 HOLE ϕ : $\pm 0.010"$ TO MODEL
 WFI D: ANSI STANDARD



MODELS	
SW016E3	SW025E3
SW030E3	SW035E3
SW045E3	SW055E3
SW065E3	SW080E3
SW107E3	SW130E3

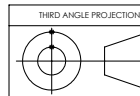
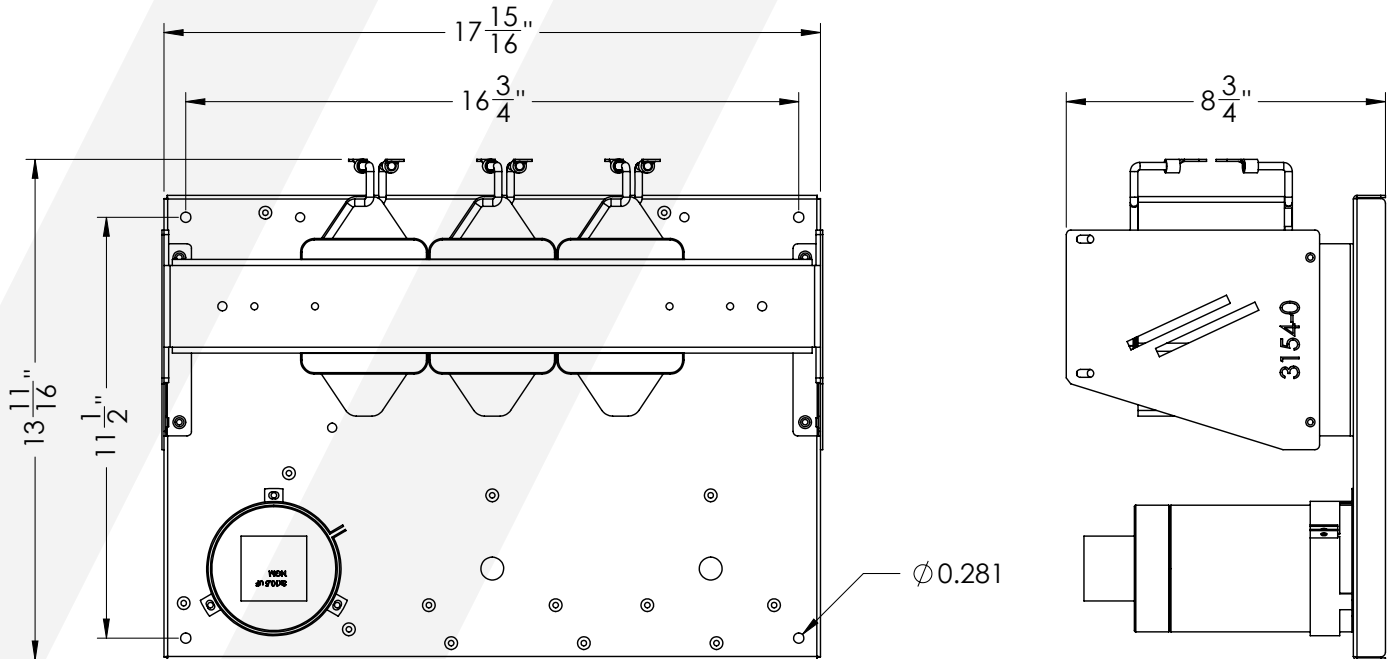
Drawing Title: SW, 10-100HP, E3 ENCLOSURE	
Part Number: SW, 10-100HP, E3	Revision:
Material:	
Finish:	
Drawn by: EC	Checked/Approved by: JH
Scale: 1:10	Sheet: 1 of 1
Date: 3/12/2025	Units: IN



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El-Core SW 20-25 HP Open



UNLESS OTHERWISE SPECIFIED:
 NO DIM. ± 0.060 " TO MODEL
 FRACTIONAL $\pm 1/16$ "
 0.XX: ± 0.06 " 0.XXX: ± 0.020 "
 ANGLES: $\pm 1^\circ$
 HOLE \varnothing : ± 0.003 " TO MODEL
 HOLE \varnothing : ± 0.010 " TO MODEL
 WFLD: ANSI STANDARD

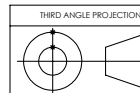
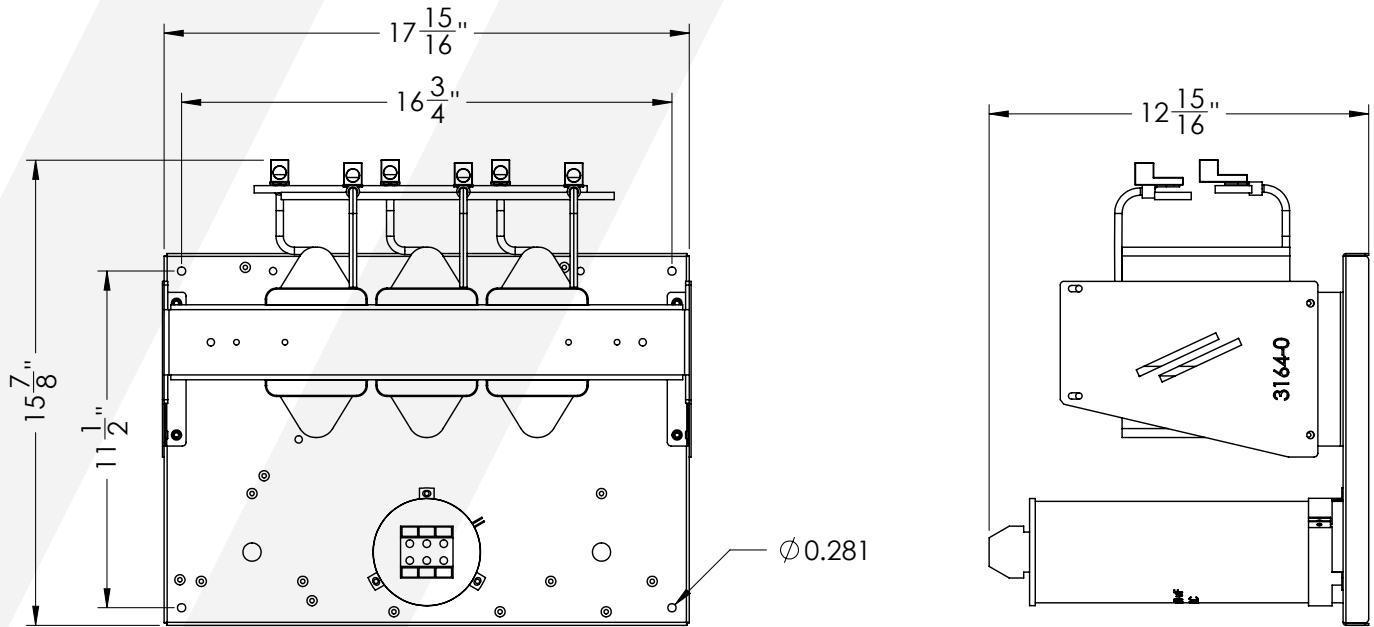
MODELS	
SW030E0	SW035E0
Drawing Title: SW, 20-25HP, OPEN	
Part Number: SW, 20-25HP, E0	Revision:
Material:	
Finish:	
Drawn by: EC	Checked/Approved by: JH
Scale: 1:4	Sheet: 1 of 1
Date: 3/12/2025	Units: IN



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El-Core SW 30-50 HP Open



UNLESS OTHERWISE SPECIFIED:
 NO DIM, ± 0.060 " TO MODEL
 FRACTIONAL $\pm 1/16$ "
 0.XX: ± 0.06 " 0.XXX: ± 0.020 "
 ANGLES: $\pm 1^\circ$
 HOLE \varnothing : ± 0.003 " TO MODEL
 HOLE \varnothing : ± 0.010 " TO MODEL
 WELD: ANSI STANDARD

MODELS

SW045E0	SW055E0
SW065E0	

Drawing Title:

SW, 30-50HP, OPEN

Part Number:

SW, 30-50HP, E0

Revision:

Material:

Finish:

Drawn by:

EC

Checked/Approved by:

JH

Scale:

1:5

Sheet:

1 of 1

Date:

3/12/2025

Units:

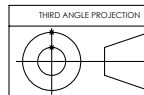
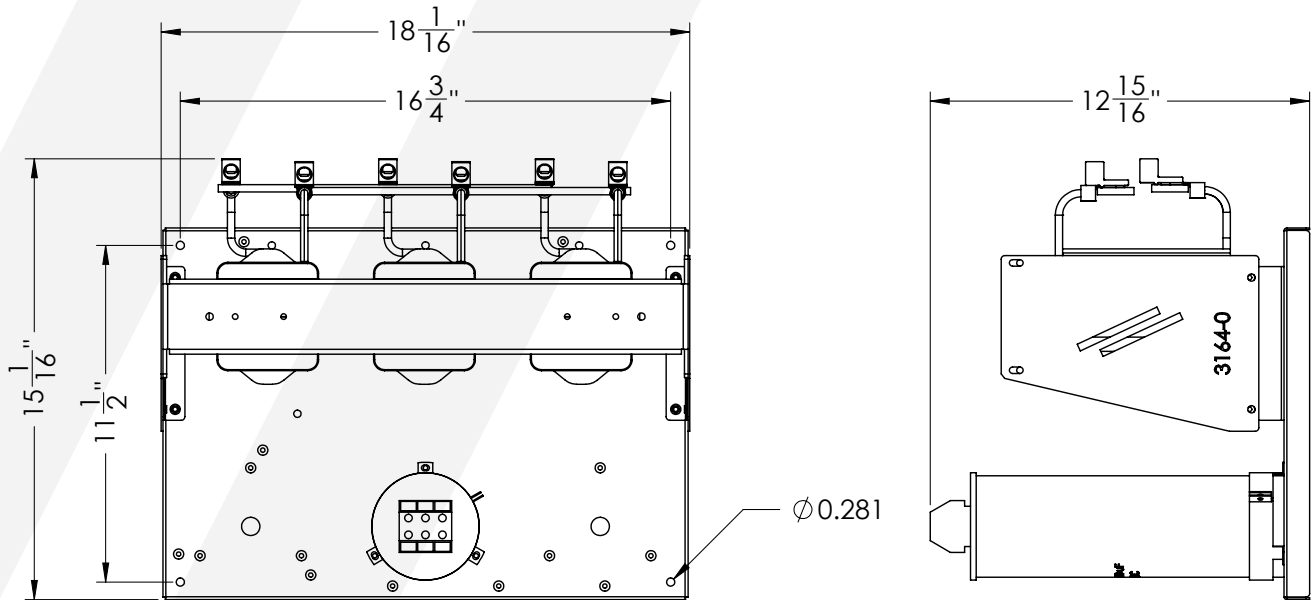
IN



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El-Core SW 60 HP Open



UNLESS OTHERWISE SPECIFIED:
 NO DIM, ± 0.060 " TO MODEL
 FRACTIONAL $\pm 1/16$ "
 0.XX: ± 0.06 " 0.XXX: ± 0.020 "
 ANGLES: $\pm 1^\circ$
 HOLE \varnothing : ± 0.003 " TO MODEL
 HOLE \oplus : ± 0.010 " TO MODEL
 WELD: ANSI STANDARD

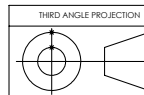
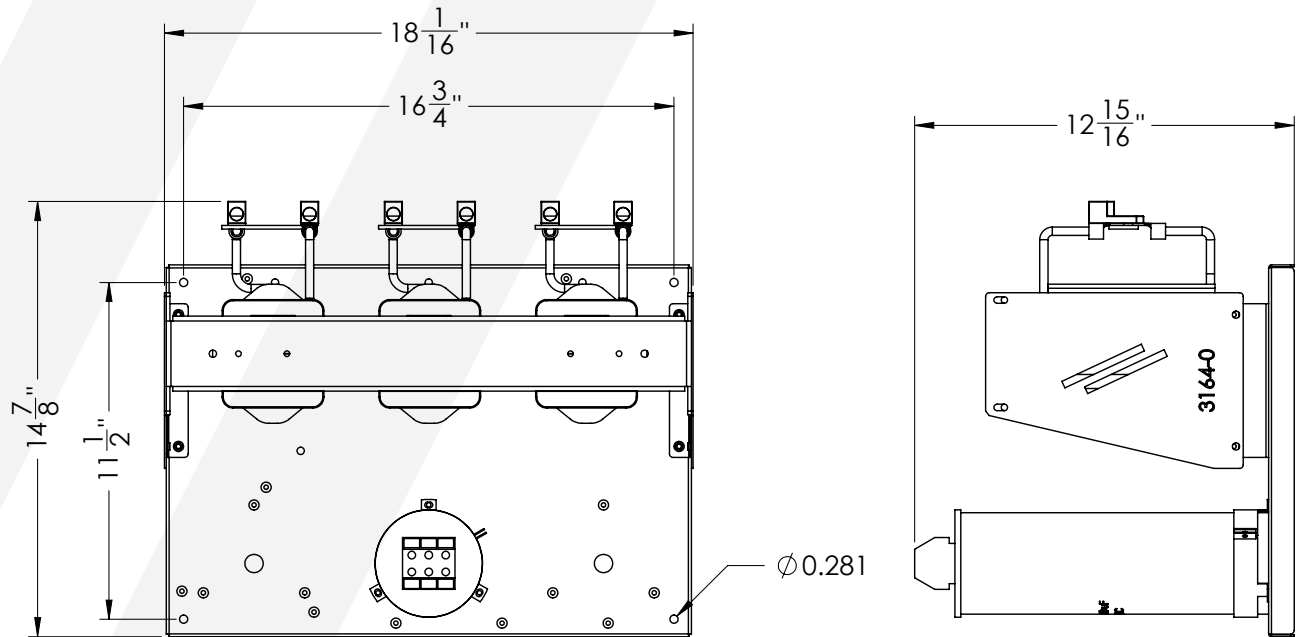
MODEL			
SW080E0			
Drawing Title: SW, 60HP, OPEN			
Part Number: SW, 60HP, E0		Revision:	
Material:			
Finish:			
Drawn by: EC		Checked/Approved by: JH	
Scale: 1:5	Sheet: 1 of 1	Date: 3/12/2025	Units: IN



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El-Core SW 75 HP Open



UNLESS OTHERWISE SPECIFIED:
 NO DIM, ± 0.060 " TO MODEL
 FRACTIONAL $\pm 1/16$ "
 0.XX: ± 0.06 " 0.XXX: ± 0.020 "
 ANGLES: $\pm 1^\circ$
 HOLE \varnothing : ± 0.003 " TO MODEL
 HOLE \oplus : ± 0.010 " TO MODEL
 WELD: ANSI STANDARD

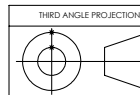
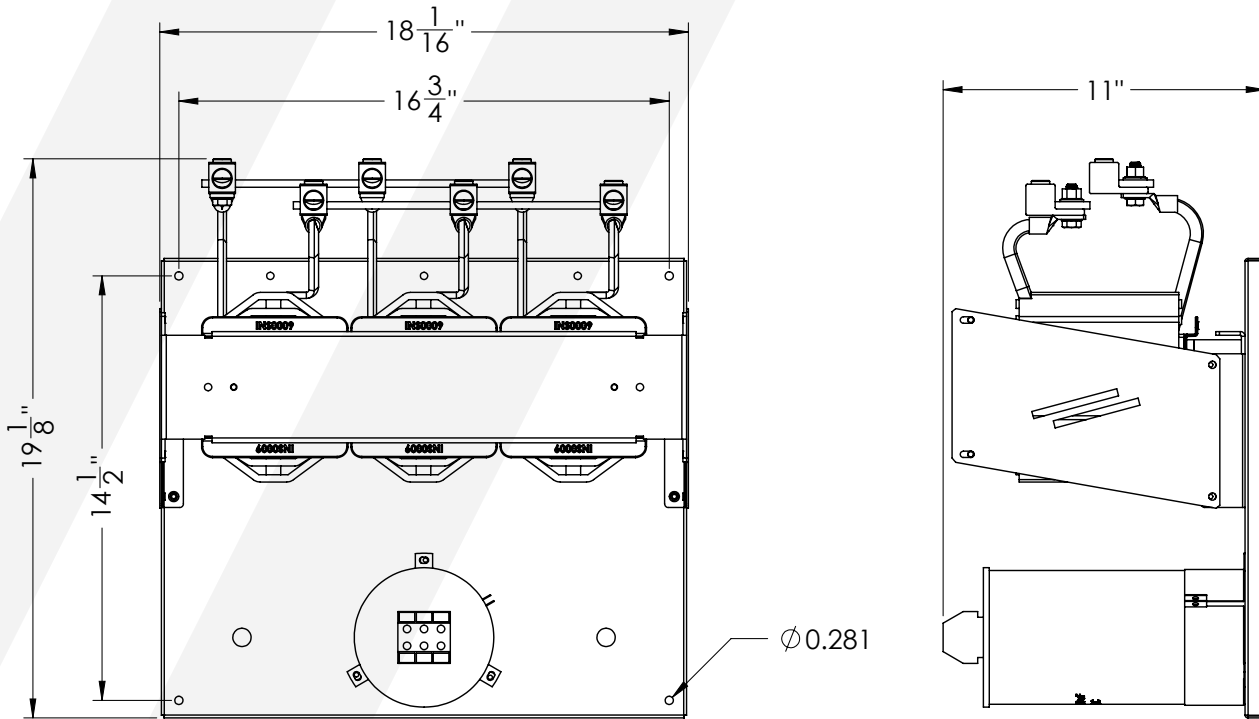
MODEL			
SW107E0			
Drawing Title: SW, 75HP, OPEN			
Part Number: SW, 75HP, E0		Revision:	
Material:			
Finish:			
Drawn by: EC		Checked/Approved by: JH	
Scale: 1:5	Sheet: 1 of 1	Date: 3/12/2025	Units: IN



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El-Core SW 125-150 HP Open



UNLESS OTHERWISE SPECIFIED:
 NO DIM, ± 0.060 " TO MODEL
 FRACTIONAL $\pm 1/16$ "
 0.XX: ± 0.06 " 0.XXX: ± 0.020 "
 ANGLES: $\pm 1^\circ$
 HOLE \varnothing : ± 0.003 " TO MODEL
 HOLE \oplus : ± 0.010 " TO MODEL
 WELD: ANSI STANDARD

MODELS

SW160E0

SW200E0

Drawing Title:
SW, 125-150HP, OPENPart Number:
SW, 125-150HP, E0

Revision:

Material:

Finish:

Drawn by:

EC

Checked/Approved by:

JH

Scale:

1:5

Sheet:

1 of 1

Date:

3/12/2025

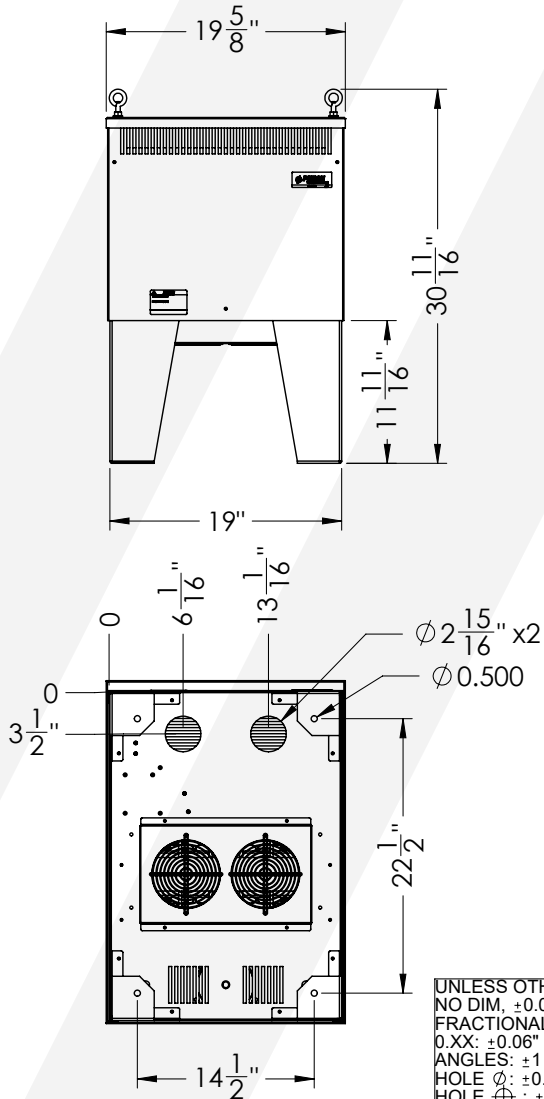
Units:

IN

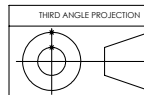

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El-Core SW 125-200 HP E1



UNLESS OTHERWISE SPECIFIED:
 NO DIM, $\pm 0.060"$ TO MODEL
 FRACTIONAL $\pm 1/16"$
 0.XX: $\pm 0.06"$ 0.XXX: $\pm 0.020"$
 ANGLES: $\pm 1^\circ$
 HOLE ϕ : $\pm 0.003"$ TO MODEL
 HOLE ϕ : $\pm 0.010"$ TO MODEL
 WELD: ANSI STANDARD



MODELS

SW160E1	SW200E1
SW250E1	

Drawing Title:
SW, 125-200HP, E1 ENCLOSURE

Part Number:
SW, 125-200HP, E1

Revision:

Material:

Finish:

Drawn by:

EC

Checked/Approved by:

JH

Scale:

1:12

Sheet:

1 of 1

Date:

3/12/2025

Units:

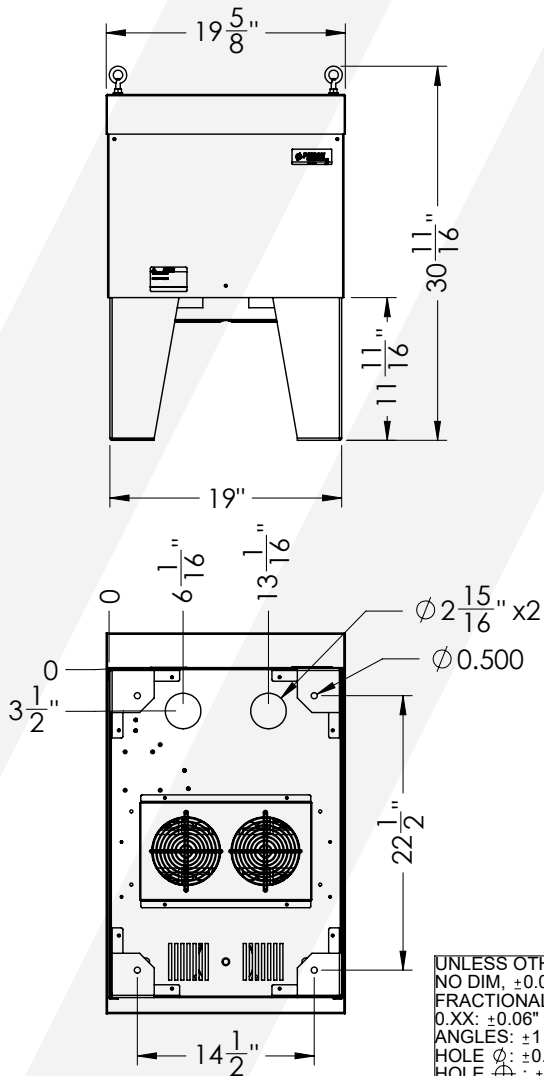
IN

PHASE
 TECHNOLOGIES

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El-Core SW 125-200 HP E3



THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
 NO DIM, $\pm 0.060"$ TO MODEL
 FRACTIONAL $\pm 1/16"$
 0.XX: $\pm 0.06"$ 0.XXX: $\pm 0.020"$
 ANGLES: $\pm 1^\circ$
 HOLE ϕ : $\pm 0.003"$ TO MODEL
 HOLE ϕ : $\pm 0.010"$ TO MODEL
 WELD: ANSI STANDARD

MODELS

SW160E3	SW200E3
SW250E3	

Drawing Title:
SW, 125-200HP, E3 ENCLOSURE

Part Number:
SW, 125-200HP, E3

Revision:

Material:

Finish:

Drawn by:

EC

Checked/Approved by:

JH

Scale:

1:12

Sheet:

1 of 1

Date:

3/12/2025

Units:

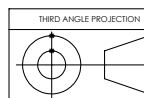
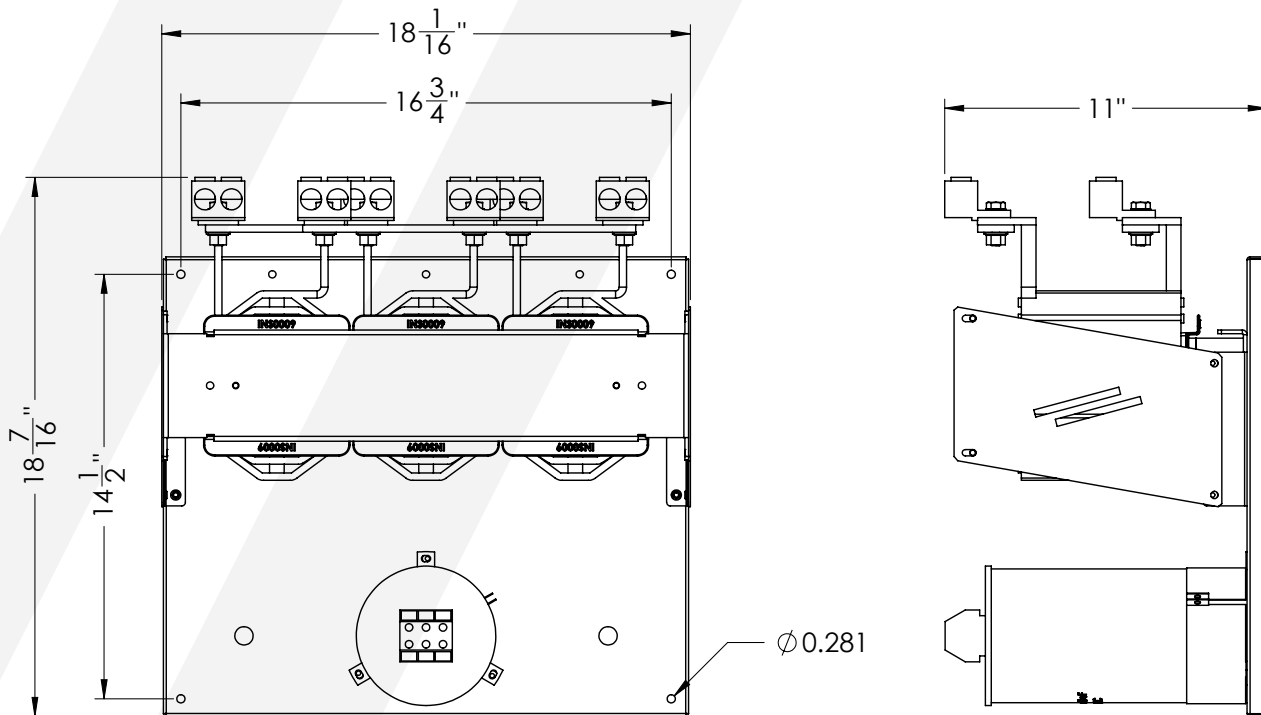
IN



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El-Core SW 200 HP Open



UNLESS OTHERWISE SPECIFIED:
 NO DIM. ± 0.060 " TO MODEL
 FRACTIONAL $\pm 1/16$ "
 0.XX: ± 0.06 " 0.XXX: ± 0.020 "
 ANGLES: $\pm 1^\circ$
 HOLE ϕ : ± 0.003 " TO MODEL
 HOLE ϕ : ± 0.010 " TO MODEL
 WFLD: ANSI STANDARD

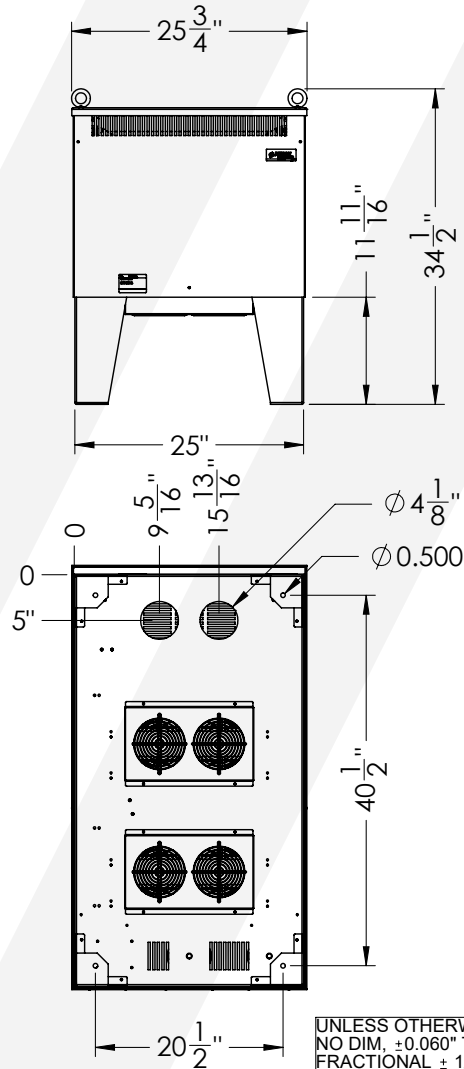
MODEL			
SW250E0			
Drawing Title:			
SW, 200HP, OPEN			
Part Number:		Revision:	
SW, 200HP, E0			
Material:			
Finish:			
Drawn by:		Checked/Approved by:	
EC		JH	
Scale:	Sheet:	Date:	Units:
1:5	1 of 1	3/12/2025	IN



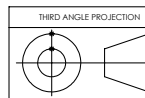
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El-Core SW 300-400 HP E1



UNLESS OTHERWISE SPECIFIED:
 NO DIM. $\pm 0.060"$ TO MODEL
 FRACTIONAL $\pm 1/16"$
 0.XX: $\pm 0.06"$ 0.XXX: $\pm 0.020"$
 ANGLES: $\pm 1^\circ$
 HOLE ϕ : $\pm 0.003"$ TO MODEL
 HOLE ϕ : $\pm 0.010"$ TO MODEL
 WFLD: ANSI STANDARD



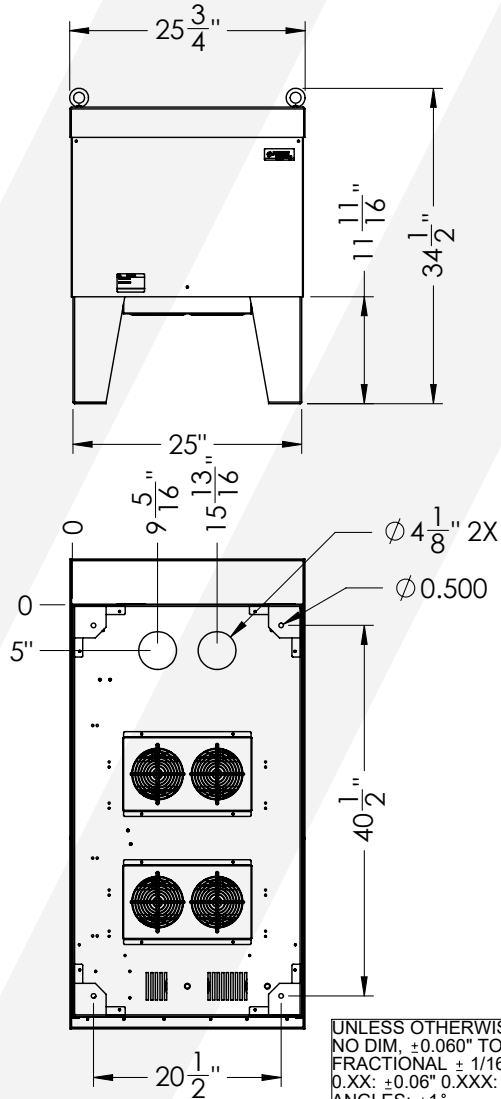
MODELS	
SW365E1	SW480E1
Drawing Title: SW, 300-400HP, E1 ENCLOSURE	
Part Number: SW, 300-400HP, E1	Revision:
Material:	
Finish:	
Drawn by: EC	Checked/Approved by: JH
Scale: 1:16	Sheet: 1 of 1
Date: 3/12/2025	Units: IN



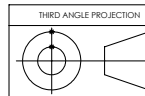
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El-Core SW 300-400 HP E3



UNLESS OTHERWISE SPECIFIED:
 NO DIM. $\pm 0.060"$ TO MODEL
 FRACTIONAL $\pm 1/16"$
 0.XX: $\pm 0.06"$ 0.XXX: $\pm 0.020"$
 ANGLES: $\pm 1^\circ$
 HOLE ϕ : $\pm 0.003"$ TO MODEL
 HOLE ϕ : $\pm 0.010"$ TO MODEL
 WFLD: ANSI STANDARD



MODELS	
SW365E3	SW480E3
Drawing Title: SW, 300-400HP, E3 ENCLOSURE	
Part Number: SW, 300-400HP, E3	Revision:
Material:	
Finish:	
Drawn by: EC	Checked/Approved by: JH
Scale: 1:16	Sheet: 1 of 1
Date: 3/12/2025	Units: IN



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**DIGITAL PHASE
CONVERTERS**

**VARIABLE
FREQUENCY
DRIVES**

**MOTOR
PROTECTION**

**SOFT
STARTER**

**508A
PANEL
SHOP**

OUR MISSION

Relentlessly seek to *provide Uncommon Value, solutions, innovation, and support for the industries that we serve.*

