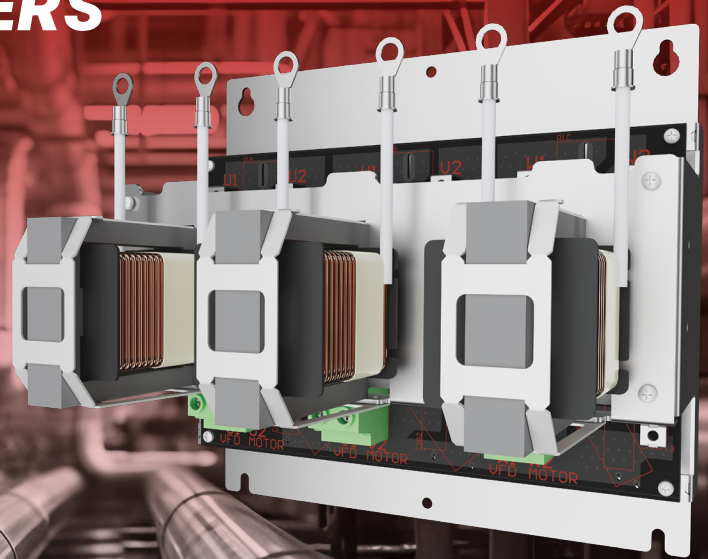


DV

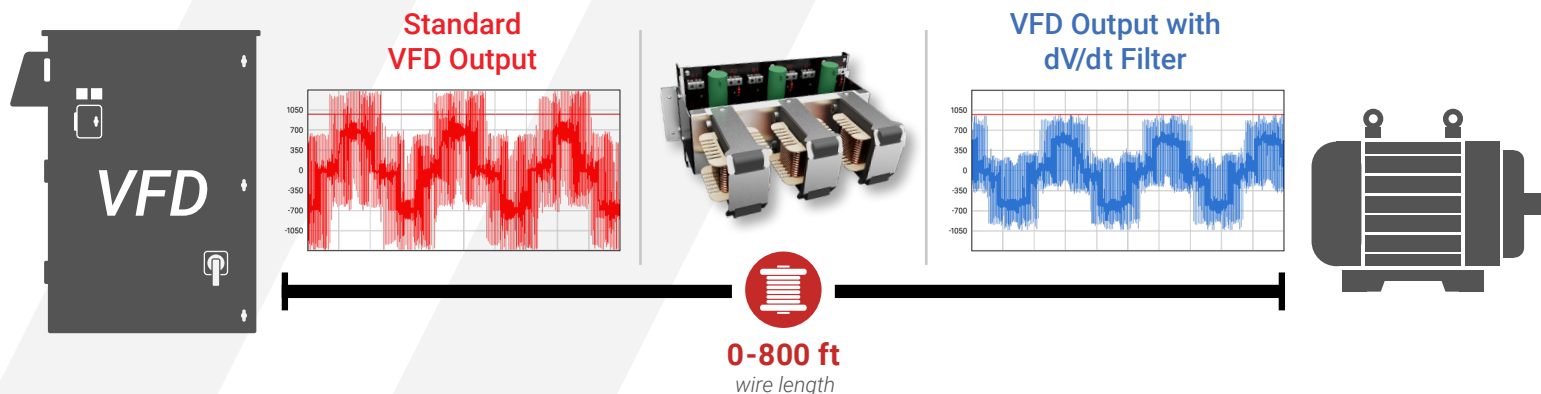
dV/dt OUTPUT FILTERS

MOTOR PROTECTION



dV/dt Output Filter Graph

Our DV 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

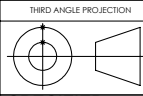
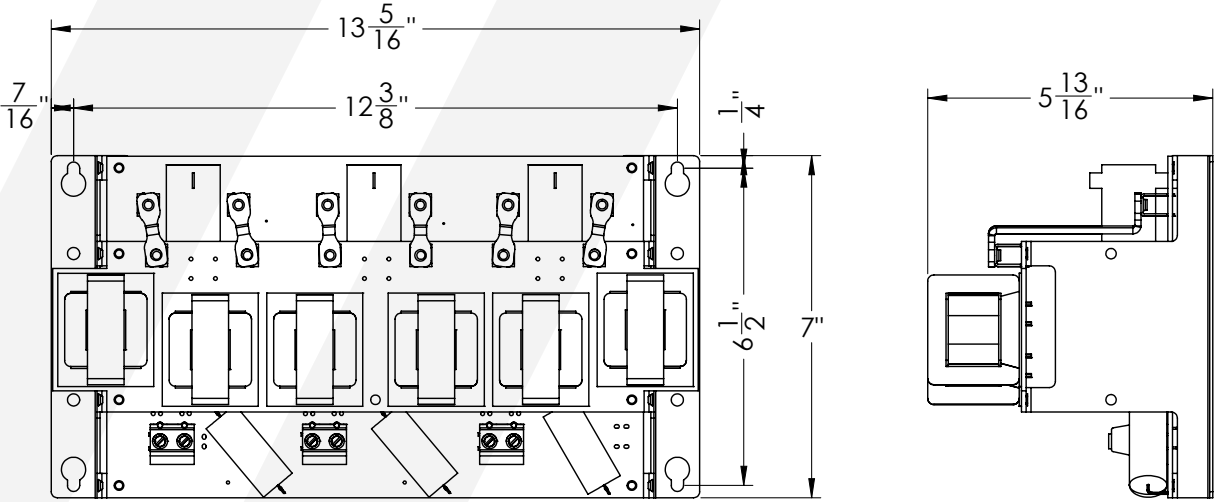
Model / Part Number	DV009	DV013	DV018	DV031	DV045	DV060	DV077	DV090	DV107	DV128	DV160	DV200	DV250	DV362	DV480
Current (Amps)	9 A	13 A	18 A	31 A	45 A	60 A	77 A	90 A	107 A	128 A	160 A	200 A	250 A	362 A	480 A

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 – 600 V	230 V 480 V 600 V w/ Derate	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 DV 15HP E0



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

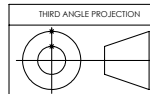
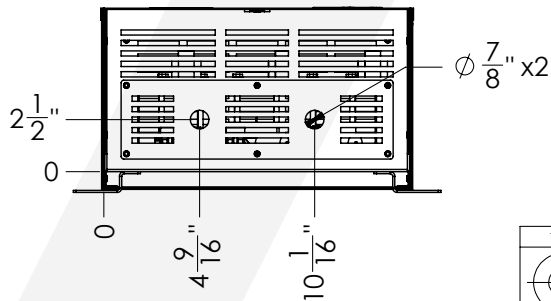
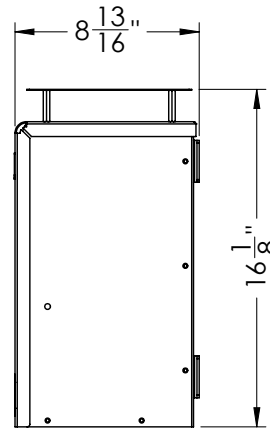
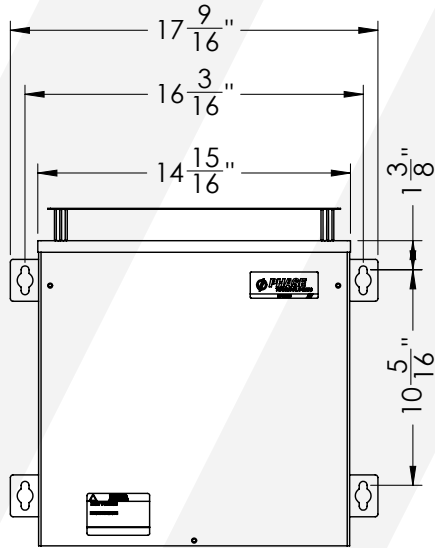
MODELS	
DV009E0	DV012E0
DV016E0	DV021E0
Drawing Title: DV 15HP, OPEN LINE DRAWING	
Part Number: DV 15HP E0	Revision:
Material: N/A	
Finish:	
Drawn by: JD	Checked/Approved by: JH
Scale: 1:3	Sheet: 1 of 1
Date: 1/8/2025	Units: IN



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EE-Core DV 15 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

DV009E1	DV012E1
DV016E1	DV021E1

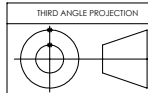
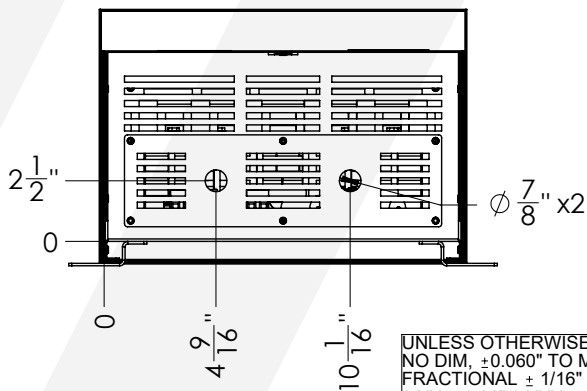
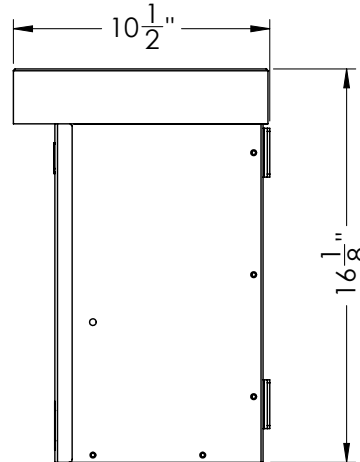
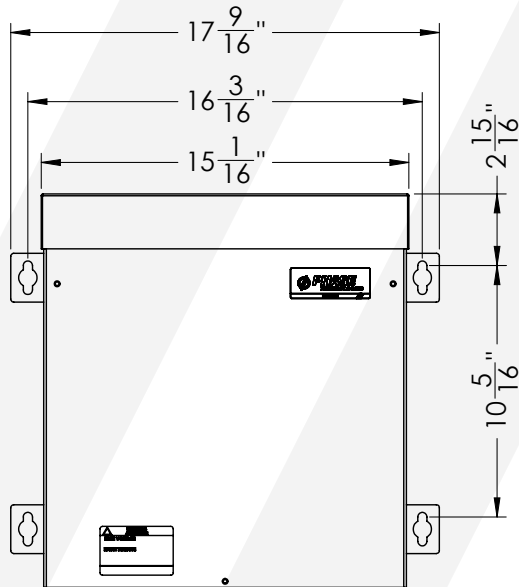
Drawing Title: DV 15HP E1 Enclosure	
Part Number: DV 15HP E1	Revision:
Material:	
Finish: N/A	
Drawn by: JD	Checked/Approved by: JH
Scale: 1:7	Sheet: 1 of 1
Date: 1/7/2025	Units: IN



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EE-Core DV 15 HP E3



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 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
 WFL D: ANSI STANDARD

MODELS

DV009E3	DV012E3
DV016E3	DV021E3

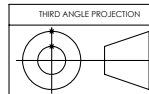
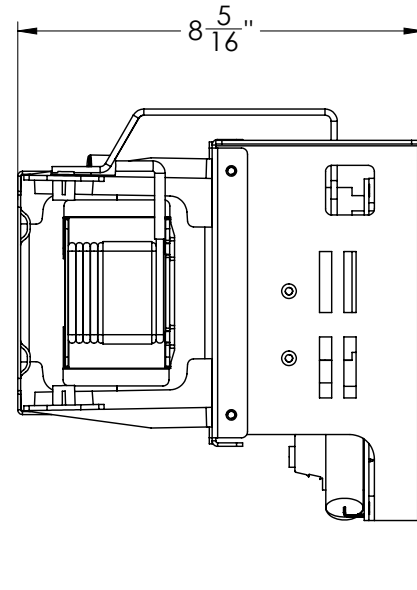
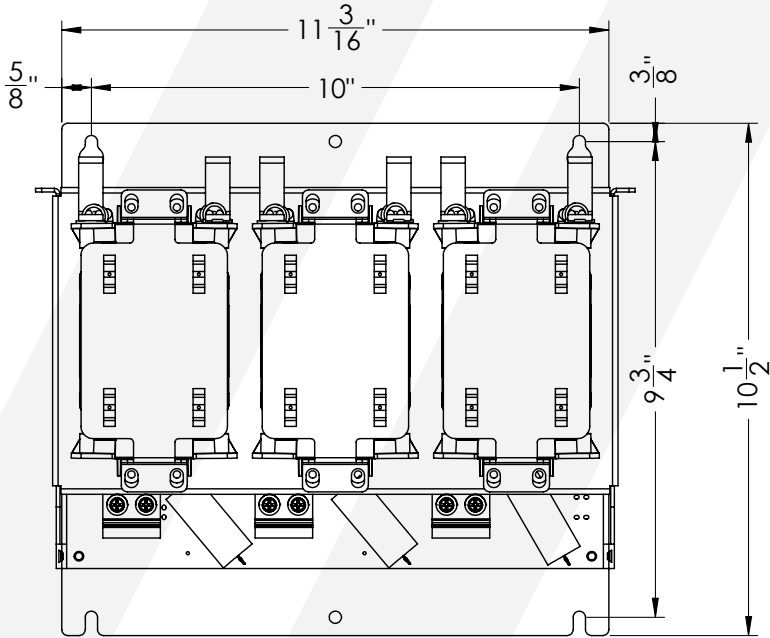
Drawing Title: DV 15HP E3 ENCLOSURE	
Part Number: DV 15HP	Revision:
Material:	
Finish:	
Drawn by: JD	Checked/Approved by: JH
Scale: 1:6	Sheet: 1 of 1
Date: 1/8/2025	Units: IN



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EE-Core DV 20-75 HP E0



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 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

DV027E0	DV035E0
DV045E0	DV055E0
DV065E0	DV080E0

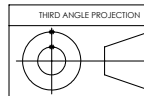
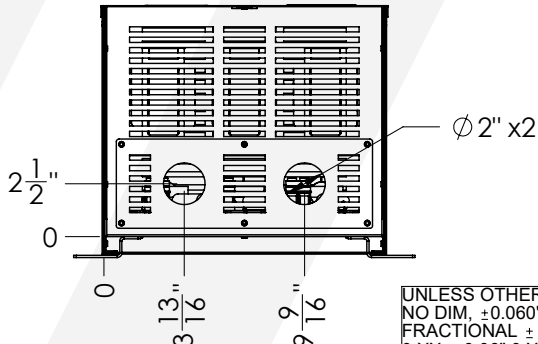
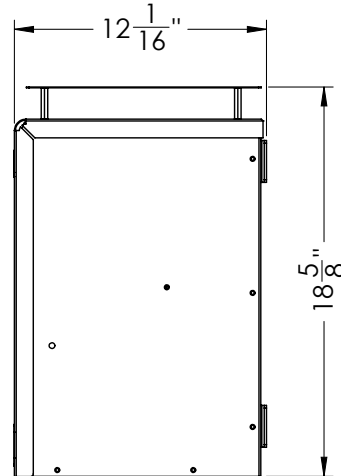
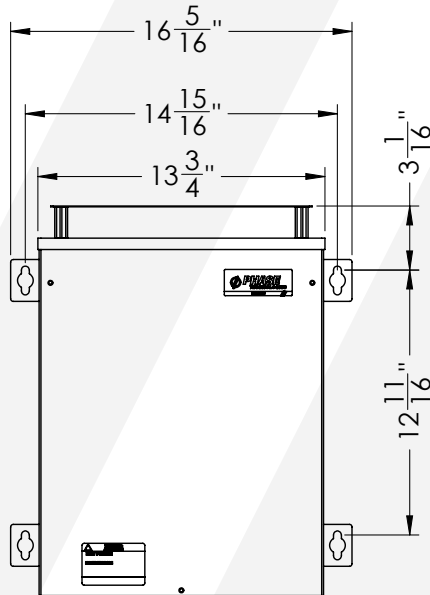
Drawing Title: DV 20-75HP, OPEN LINE DRAWING	
Part Number: DV 20-75HP E0	Revision:
Material: N/A	
Finish:	
Drawn by: JD	Checked/Approved by: JH
Scale: 1:3	Sheet: 1 of 1
Date: 1/7/2025	Units: IN



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EE-Core DV 20-75 HP E1



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 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
 WFLD: ANSI STANDARD

MODELS

DV027E1	DV035E1
DV045E1	DV055E1
DV065E1	DV080E1

Drawing Title:

DV 20-75HP E1 Enclosure

Part Number:

DV 20-75HP E1

Revision:

Material:

Finish:

Drawn by:

JD

Checked/Approved by:

JH

Scale:

1:7

Sheet:

1 of 1

Date:

1/7/2025

Units:

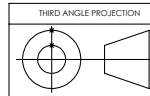
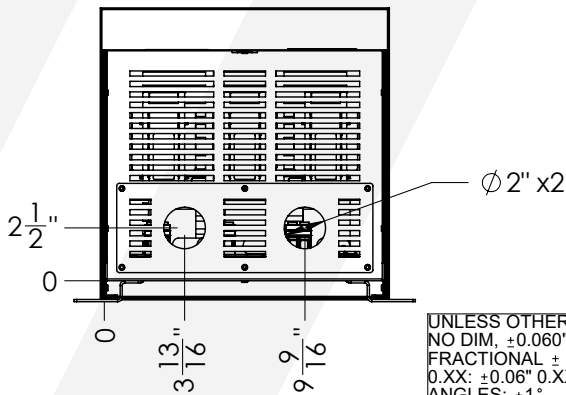
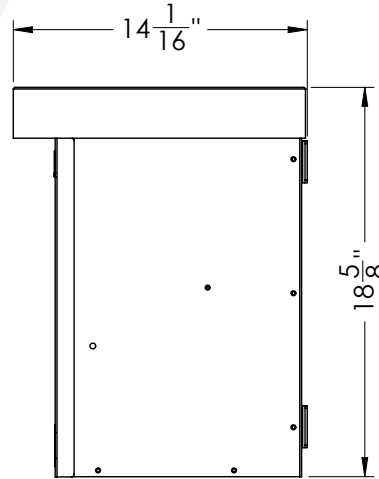
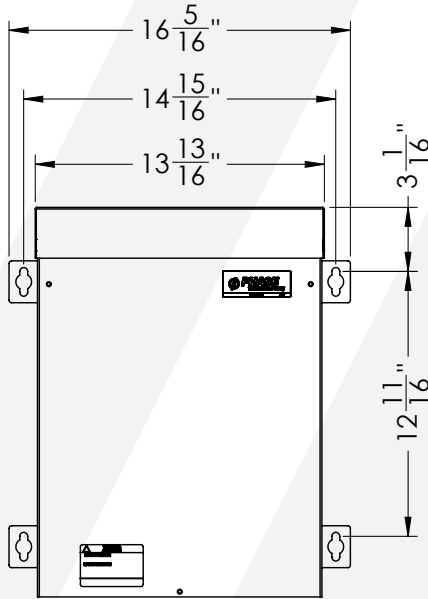
IN



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EE-Core DV 20-75 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 \varnothing : ± 0.003 " TO MODEL
 HOLE \oplus : ± 0.010 " TO MODEL
 WELD: ANSI STANDARD

MODELS

DV027E3	DV035E3
DV045E3	DV055E3
DV065E3	DV080E3

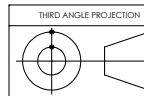
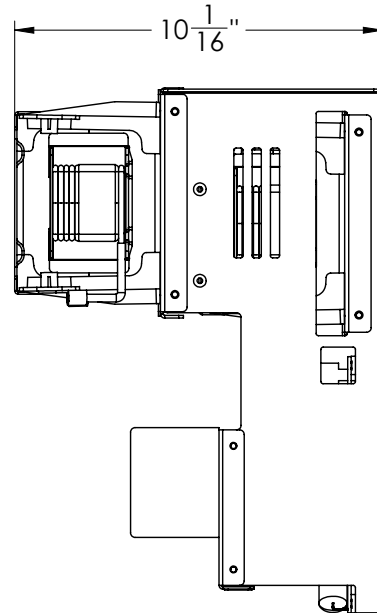
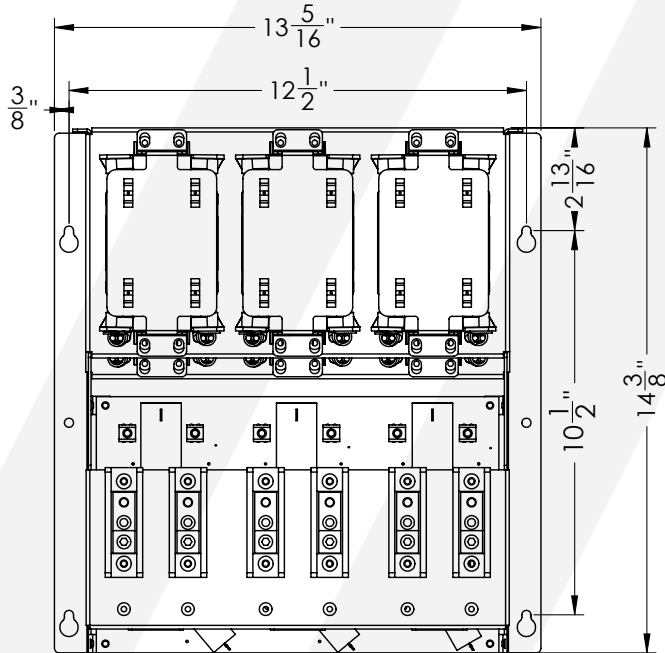
Drawing Title: 20-75HP E3 Enclosure, Line Drawing	
Part Number: DV 20-75HP E3	Revision:
Material:	
Finish:	
Drawn by: JD	Checked/Approved by: JH
Scale: 1:7	Sheet: 1 of 1
Date: 1/8/2025	Units: IN



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EE-Core DV 150 HP E0



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
 WFLD: ANSI STANDARD

MODELS

DV107E0

DV130E0

Drawing Title:
DV 150HP Open, Line DrawingPart Number:
DV 150HP E0

Revision:

Material:
N/A

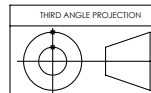
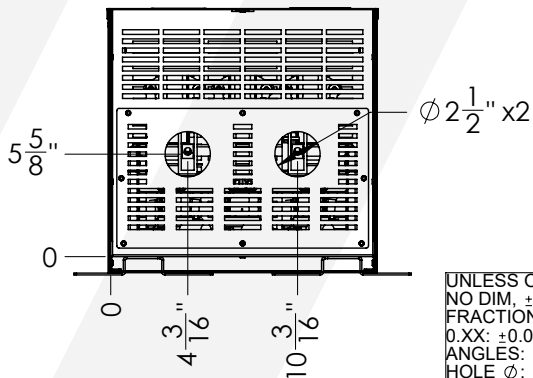
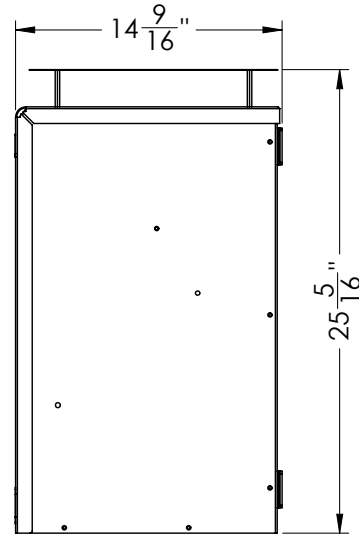
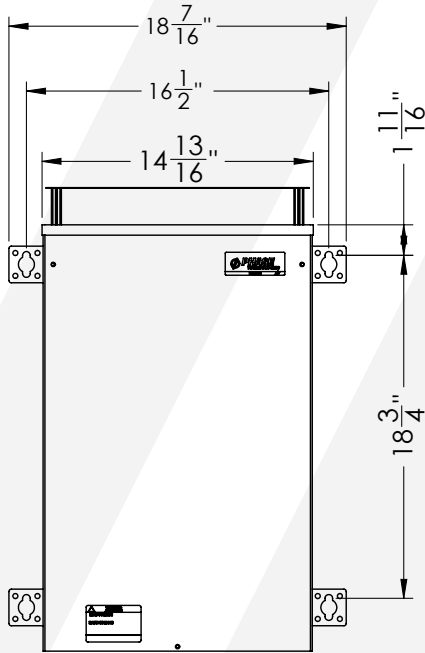
Finish:

Drawn by:
JDChecked/Approved by:
JHScale:
1:4Sheet:
1 of 1Date:
1/7/2025Units:
IN


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EE-Core DV 150 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 \varnothing : ± 0.003 " TO MODEL
 HOLE \oplus : ± 0.010 " TO MODEL
 WELD: ANSI STANDARD

MODELS

DV107E1	DV130E1
---------	---------

Drawing Title:

DV 150HP E1 Enclosure

Part Number:

DV 150HP E1

Revision:

Material:

Finish:

N/A

Drawn by:

JD

Checked/Approved by:

JH

Scale:

1:8

Sheet:

1 of 1

Date:

1/8/2025

Units:

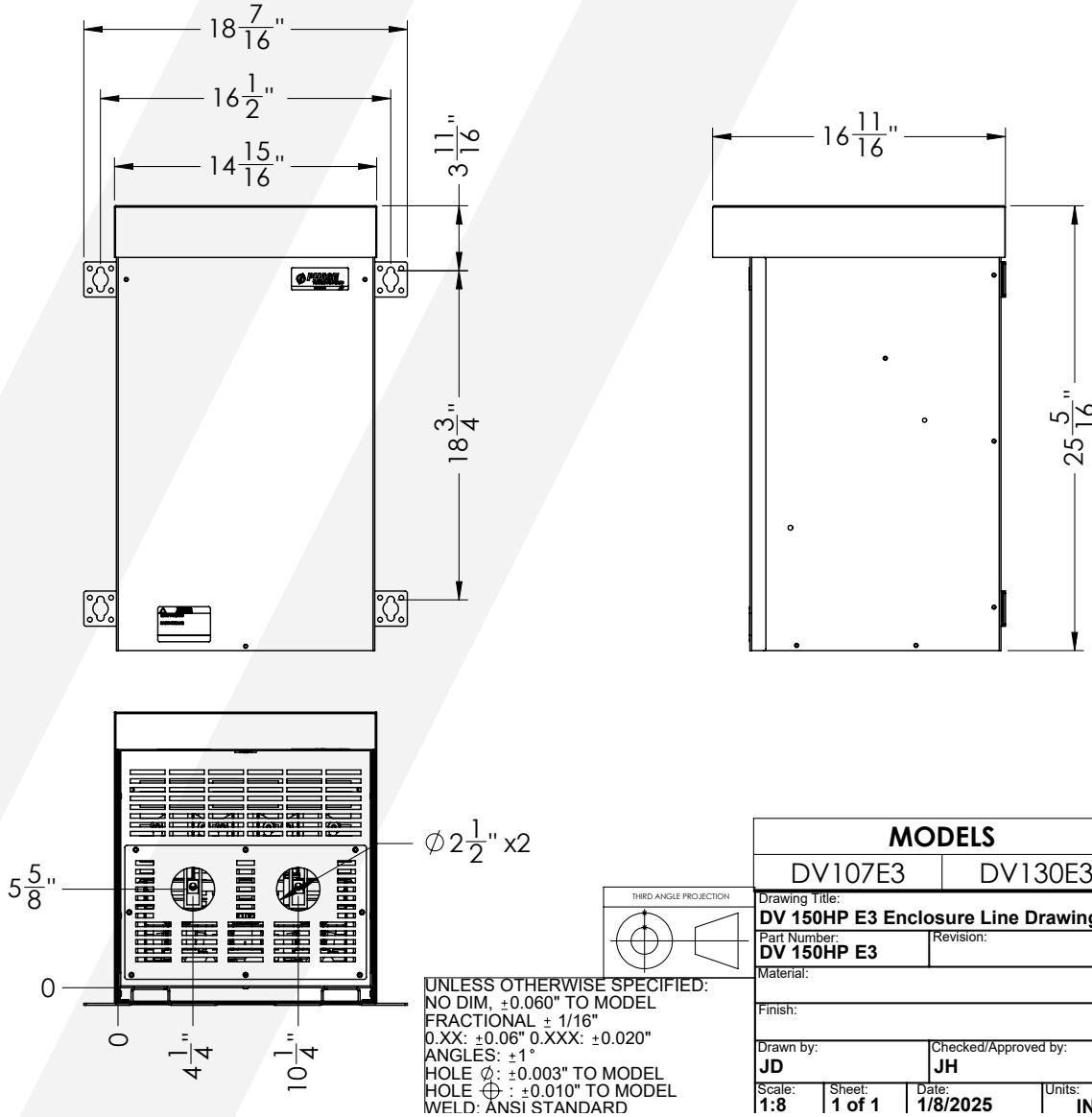
IN



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EE-Core DV 150 HP E3



MODELS

DV107E3 DV130E3

Drawing Title:
DV 150HP E3 Enclosure Line Drawing

Part Number:
DV 150HP E3

Revision:

Material:

Finish:

Drawn by:

JD

Checked/Approved by:

JH

Scale:

1:8

Sheet:

1 of 1

Date:

1/8/2025

Units:

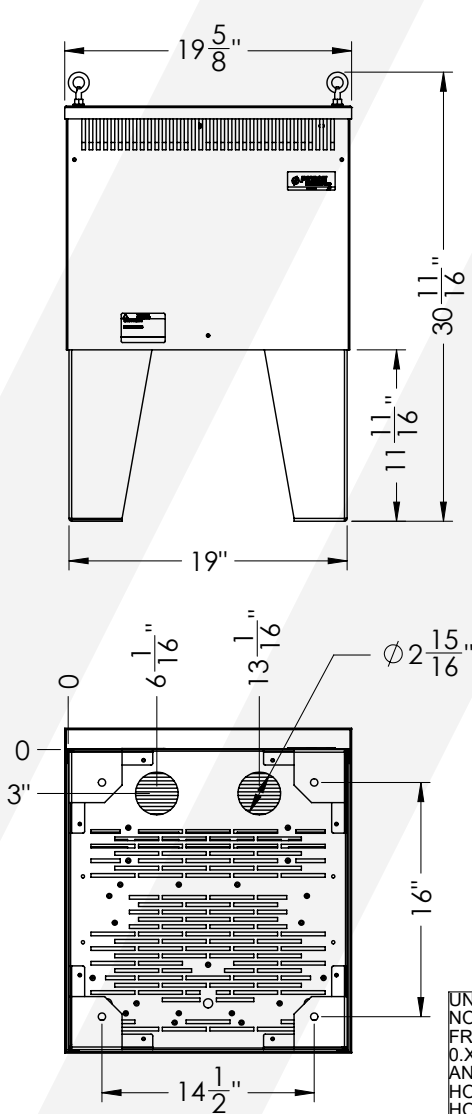
IN

PHASE
TECHNOLOGIES

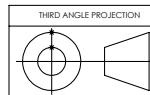
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El-Core DV 150+ HP E1



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 \varnothing : $\pm 0.003"$ TO MODEL
 HOLE \oplus : $\pm 0.010"$ TO MODEL
 WELD: ANSI STANDARD



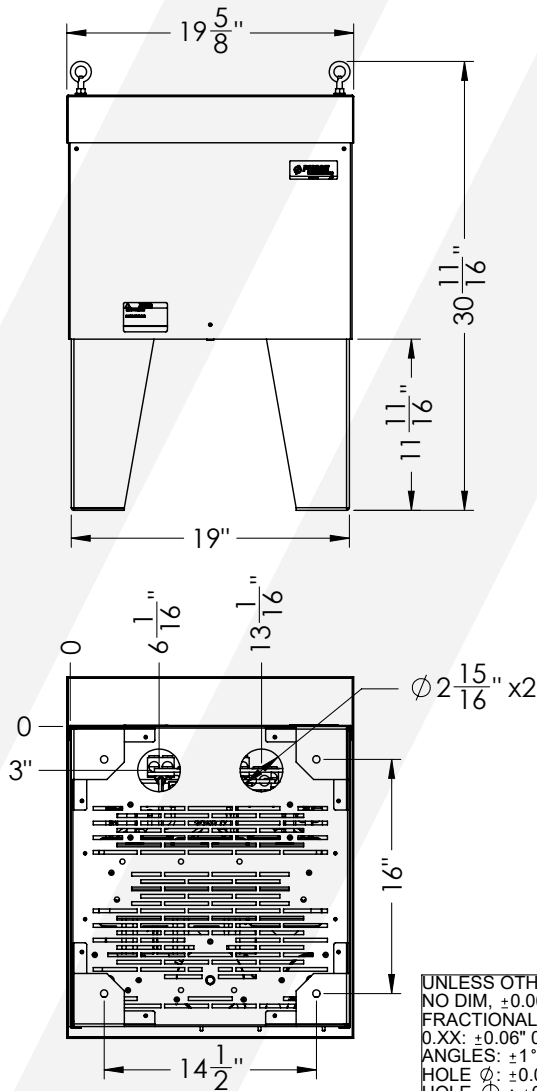
MODELS	
DV160E1	DV200E1
DV250E1	
Drawing Title: DV, OF D, E1 Enclosure	
Part Number: DV, OF D E1	Revision:
Material:	
Finish:	
Drawn by: JD	Checked/Approved by: JH
Scale: 1:10	Sheet: 1 of 1
Date: 1/9/2025	Units: IN



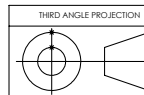
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El-Core DV 150+ HP E3



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
 WELD: ANSI STANDARD



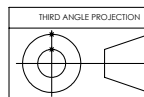
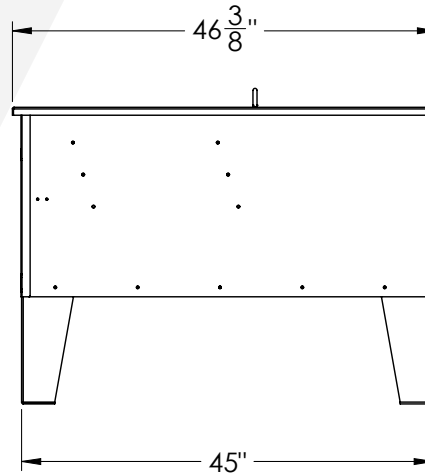
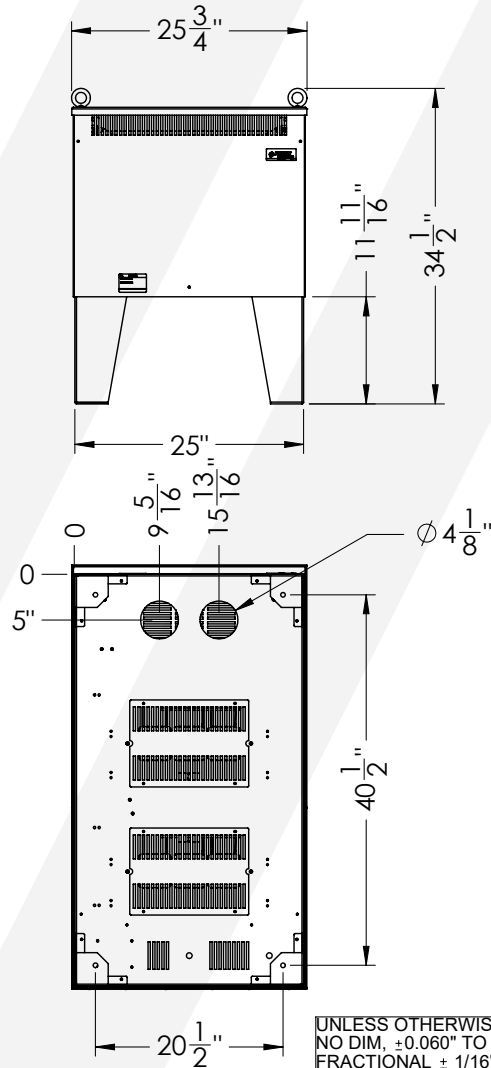
MODELS	
DV160E3	DV200E3
DV250E3	
Drawing Title: DV, OF D, E3 ENCLOSURE	
Part Number: DV OF, D E3	Revision:
Material:	
Finish: N/A	
Drawn by: JD	Checked/Approved by: JH
Scale: 1:10	Sheet: 1 of 1
Date: 1/9/2025	Units: IN



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El-Core DV 300+ HP E1



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 FRACTIONAL $\pm 1/16"$
 0.XX: $\pm 0.06"$ 0.XXX: $\pm 0.020"$
 ANGLES: $\pm 1^\circ$
 HOLE \varnothing : $\pm 0.003"$ TO MODEL
 HOLE \varnothing : $\pm 0.010"$ TO MODEL
 WELD: ANSI STANDARD

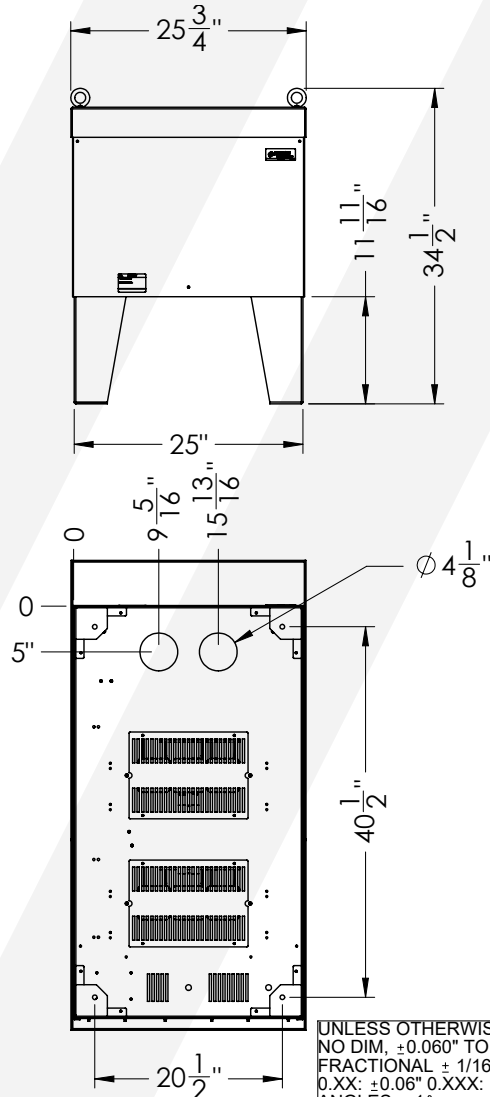
MODELS	
DV365E1	DV480E1
Drawing Title: DV, OF, F, E1 Enclosure	
Part Number: DV, OF, F, E1	Revision:
Material:	
Finish:	
Drawn by: EC	Checked/Approved by: -
Scale: 1:16	Sheet: 1 of 1
Date: 3/10/2025	Units: IN



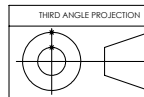
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El-Core DV 300+ HP E3



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 \varnothing : $\pm 0.003"$ TO MODEL
 HOLE \varnothing : $\pm 0.010"$ TO MODEL
 WELD: ANSI STANDARD



MODELS	
DV365E3	DV480E3
Drawing Title: DV, OF, F, E3 Enclosure	
Part Number: DV, OF, F, E3	Revision:
Material:	
Finish:	
Drawn by: EC	Checked/Approved by: -
Scale: 1:16	Sheet: 1 of 1
Date: 3/10/2025	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.*

