

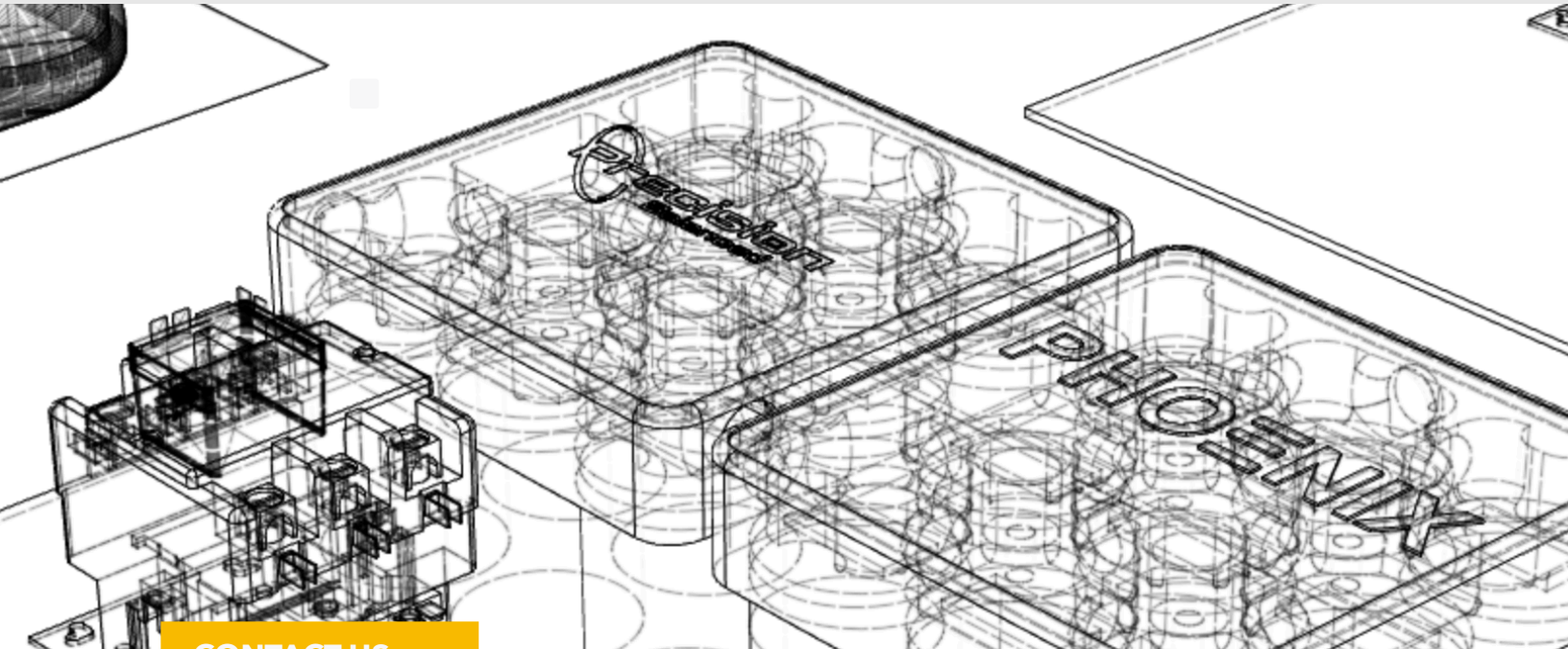
DATASHEET

NL - PL MODELS



STANDARD FEATURES

NEMA 4 ENCLOSURE - TEFC (TOTALLY ENCLOSED FAN COOLED) GENERATOR - CAST IRON - VOLTAGE MONITORING DISPLAY - PRECISION BALANCED POWER - UL LISTED AVAILABLE UPON REQUEST.



CONTACT US

800-417-6568

PHOENIX ARIZONA

www.phoenixphaseconverters.com

REV-223

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GENERAL SPECIFICATIONS

HP	3
KW	2.2
KVA	2.24
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	182T
IDLER WEIGHT	94.8
PANEL WEIGHT	15

CONSTRUCTION, DIMENSIONS, WEIGHT

ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	12
WIDTH	12
DEPT	4
MOUNTING	Wall Mount

SINGLE PHASE ELECTRICAL SPECS

VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	10
MOTOR LOAD BREAKER Maximum Size	20
SERVICE KVA Minimum Size	15
SERVICE AMPS Minimum Size	30
COPPER WIRE Minimum Size	10

THREE PHASE ELECTRICAL SPECS

VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	14
MAX OUTPUT RESISTIVE LOAD AMPS	7
VOLTAGE BALANCING	+/-2%
WIRE SIZE MIN Idler/Generator	10
LARGEST SPINDLE MOTOR START	1
LARGEST COMPRESSOR LOAD START	1
TOTAL COMBINED HORSEPOWER RUN	3

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS	
HP	5
KW	3.3
KVA	4.43
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	184T
IDLER WEIGHT	110.25
PANEL WEIGHT	18

CONSTRUCTION, DIMENSIONS, WEIGHT	
ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	12
WIDTH	12
DEPT	4
MOUNTING	Wall Mount

SINGLE PHASE ELECTRICAL SPECS	
VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	10
MOTOR LOAD BREAKER Maximum Size	30
SERVICE KVA Minimum Size	15
SERVICE AMPS Minimum Size	60
COPPER WIRE Minimum Size	8

THREE PHASE ELECTRICAL SPECS	
VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	14
MAX OUTPUT RESISTIVE LOAD AMPS	7
VOLTAGE BALANCING	+/-2%
WIRE SIZE MIN Idler/Generator	10
LARGEST SPINDLE MOTOR START	2.5
LARGEST COMPRESSOR LOAD START	2
TOTAL COMBINED HORSEPOWER RUN	5

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
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- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS	
HP	7.5
KW	5.6
KVA	6.51
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	213T
IDLER WEIGHT	158.76
PANEL WEIGHT	21

SINGLE PHASE ELECTRICAL SPECS	
VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	15
MOTOR LOAD BREAKER Maximum Size	40
SERVICE KVA Minimum Size	15
SERVICE AMPS Minimum Size	60
COPPER WIRE Minimum Size	6

CONSTRUCTION, DIMENSIONS, WEIGHT	
ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	20
WIDTH	12
DEPT	8
MOUNTING	Wall Mount

THREE PHASE ELECTRICAL SPECS	
VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	21
MAX OUTPUT RESISTIVE LOAD AMPS	10
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	8
LARGEST SPINDLE MOTOR START	3
LARGEST COMPRESSOR LOAD START	2
TOTAL COMBINED HORSEPOWER RUN	7.5

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS	
HP	10
KW	7.5
KVA	13.01
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	215T
IDLER WEIGHT	181.9
PANEL WEIGHT	26 LBS

CONSTRUCTION, DIMENSIONS, WEIGHT	
ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	20
WIDTH	12
DEPT	8
MOUNTING	WALL

SINGLE PHASE ELECTRICAL SPECS	
VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	20
MOTOR LOAD BREAKER Maximum Size	10
SERVICE KVA Minimum Size	15
SERVICE AMPS Minimum Size	62
COPPER WIRE Minimum Size	6

THREE PHASE ELECTRICAL SPECS	
VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	28
MAX OUTPUT RESISTIVE LOAD AMPS	14
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	10
LARGEST SPINDLE MOTOR START	5
LARGEST COMPRESSOR LOAD START	4
TOTAL COMBINED HORSEPOWER RUN	10

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS	
HP	15
KW	11.2
KVA	13.01
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	254T
IDLER WEIGHT	278.9
PANEL WEIGHT	32

SINGLE PHASE ELECTRICAL SPECS	
VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	30
MOTOR LOAD BREAKER Maximum Size	80
SERVICE KVA Minimum Size	25
SERVICE AMPS Minimum Size	100
COPPER WIRE Minimum Size	4

CONSTRUCTION, DIMENSIONS, WEIGHT	
ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	20
WIDTH	12
DEPT	10
MOUNTING	WALL MOUNT

THREE PHASE ELECTRICAL SPECS	
VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	42
MAX OUTPUT RESISTIVE LOAD AMPS	22
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	8
LARGEST SPINDLE MOTOR START	7.5
LARGEST COMPRESSOR LOAD START	6
TOTAL COMBINED HORSEPOWER RUN	15

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
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- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS	
HP	20
KW	14.9
KVA	17.35
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	256T
IDLER WEIGHT	330.75
PANEL WEIGHT	37

SINGLE PHASE ELECTRICAL SPECS	
VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	40
MOTOR LOAD BREAKER Maximum Size	100
SERVICE KVA Minimum Size	37.5
SERVICE AMPS Minimum Size	156
COPPER WIRE Minimum Size	4

CONSTRUCTION, DIMENSIONS, WEIGHT	
ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	20
WIDTH	12
DEPT	10
MOUNTING	WALL MOUNT

THREE PHASE ELECTRICAL SPECS	
VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	54
MAX OUTPUT RESISTIVE LOAD AMPS	28
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	6
LARGEST SPINDLE MOTOR START	10
LARGEST COMPRESSOR LOAD START	7.5
TOTAL COMBINED HORSEPOWER RUN	20

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
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- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS	
HP	25
KW	18.6
KVA	21.69
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	284T
IDLER WEIGHT	330.75
PANEL WEIGHT	40

CONSTRUCTION, DIMENSIONS, WEIGHT	
ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	20
WIDTH	12
DEPT	10
MOUNTING	WALL MOUNT

SINGLE PHASE ELECTRICAL SPECS	
VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	60
MOTOR LOAD BREAKER Maximum Size	120
SERVICE KVA Minimum Size	37.5
SERVICE AMPS Minimum Size	150
COPPER WIRE Minimum Size	2

THREE PHASE ELECTRICAL SPECS	
VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	65
MAX OUTPUT RESISTIVE LOAD AMPS	35
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	4
LARGEST SPINDLE MOTOR START	12.5
LARGEST COMPRESSOR LOAD START	10
TOTAL COMBINED HORSEPOWER RUN	25

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS

HP	30
KW	21.4
KVA	26.02
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	268T
IDLER WEIGHT	396.9
PANEL WEIGHT	45

CONSTRUCTION, DIMENSIONS, WEIGHT

ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	20
WIDTH	12
DEPT	10
MOUNTING	WALL MOUNT

SINGLE PHASE ELECTRICAL SPECS

VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	50
MOTOR LOAD BREAKER Maximum Size	150
SERVICE KVA Minimum Size	50
SERVICE AMPS Minimum Size	200
COPPER WIRE Minimum Size	2

THREE PHASE ELECTRICAL SPECS

VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	80
MAX OUTPUT RESISTIVE LOAD AMPS	42
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	3
LARGEST SPINDLE MOTOR START	15
LARGEST COMPRESSOR LOAD START	12
TOTAL COMBINED HORSEPOWER RUN	30

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS	
HP	40
KW	29.8
KVA	43.37
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	326T
IDLER WEIGHT	539.1
PANEL WEIGHT	51

SINGLE PHASE ELECTRICAL SPECS	
VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	80
MOTOR LOAD BREAKER Maximum Size	200
SERVICE KVA Minimum Size	50
SERVICE AMPS Minimum Size	200
COPPER WIRE Minimum Size	1/0

CONSTRUCTION, DIMENSIONS, WEIGHT	
ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	20
WIDTH	12
DEPT	10
MOUNTING	WALL MOUNT

THREE PHASE ELECTRICAL SPECS	
VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	104
MAX OUTPUT RESISTIVE LOAD AMPS	56
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	3
LARGEST SPINDLE MOTOR START	20
LARGEST COMPRESSOR LOAD START	16
TOTAL COMBINED HORSEPOWER RUN	40

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS

HP	50
KW	37.3
KVA	43.37
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	326T
IDLER WEIGHT	600.8
PANEL WEIGHT	57

CONSTRUCTION, DIMENSIONS, WEIGHT

ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	24
WIDTH	24
DEPT	8
MOUNTING	WALL MOUNT

SINGLE PHASE ELECTRICAL SPECS

VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	80
MOTOR LOAD BREAKER Maximum Size	250
SERVICE KVA Minimum Size	75
SERVICE AMPS Minimum Size	312
COPPER WIRE Minimum Size	2/0

THREE PHASE ELECTRICAL SPECS

VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	130
MAX OUTPUT RESISTIVE LOAD AMPS	70
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	208-230 Volts Delta
LARGEST SPINDLE MOTOR START	25
LARGEST COMPRESSOR LOAD START	20
TOTAL COMBINED HORSEPOWER RUN	50

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS

HP	60
KW	44.7
KVA	52.05
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	364T
IDLER WEIGHT	782
PANEL WEIGHT	78

CONSTRUCTION, DIMENSIONS, WEIGHT

ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	24
WIDTH	24
DEPT	8
MOUNTING	WALL

SINGLE PHASE ELECTRICAL SPECS

VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	120
MOTOR LOAD BREAKER Maximum Size	300
SERVICE KVA Minimum Size	75
SERVICE AMPS Minimum Size	312
COPPER WIRE Minimum Size	1

THREE PHASE ELECTRICAL SPECS

VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	160
MAX OUTPUT RESISTIVE LOAD AMPS	84
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	1/0
LARGEST SPINDLE MOTOR START	30
LARGEST COMPRESSOR LOAD START	24
TOTAL COMBINED HORSEPOWER RUN	60

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS

HP	75
KW	56
KVA	65.06
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	365T
IDLER WEIGHT	873
PANEL WEIGHT	80

CONSTRUCTION, DIMENSIONS, WEIGHT

ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	26
WIDTH	26
DEPT	10
MOUNTING	WALL MOUNT

SINGLE PHASE ELECTRICAL SPECS

VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	125
MOTOR LOAD BREAKER Maximum Size	350
SERVICE KVA Minimum Size	100
SERVICE AMPS Minimum Size	416.7
COPPER WIRE Minimum Size	4/0

THREE PHASE ELECTRICAL SPECS

VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	182
MAX OUTPUT RESISTIVE LOAD AMPS	105
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	1/0
LARGEST SPINDLE MOTOR START	37.5
LARGEST COMPRESSOR LOAD START	30
TOTAL COMBINED HORSEPOWER RUN	75

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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GENERAL SPECIFICATIONS

HP	100
KW	75
KVA	87.21
HZ	50/60
ENCL	TEFC/NEMA 4
FRAME	405T
IDLER WEIGHT	1120
PANEL WEIGHT	89

CONSTRUCTION, DIMENSIONS, WEIGHT

ELECTRICAL PANEL	
ENCLOSURE TYPE	NEMA 4
ENCLOSURE CERTIFICATIONS	UL 508A (CSA C22.2 No. 14-13.), TUV, CE.
COLOR	Light Gray
HEIGHT	26
WIDTH	26
DEPT	10
MOUNTING	WALL MOUNT

SINGLE PHASE ELECTRICAL SPECS

VOLTAGE INPUT	208-250V
MOTOR LOAD BREAKER Minimum Size	150
MOTOR LOAD BREAKER Maximum Size	400
SERVICE KVA Minimum Size	167
SERVICE AMPS Minimum Size	695
COPPER WIRE Minimum Size	300mcm

THREE PHASE ELECTRICAL SPECS

VOLTAGE OUTPUT	208-230 Volts Delta
MAX OUTPUT INDUCTIVE LOAD AMPS	227
MAX OUTPUT RESISTIVE LOAD AMPS	135
VOLTAGE BALANCING	+/- 2%
WIRE SIZE MIN Idler/Generator	2/0
LARGEST SPINDLE MOTOR START	50
LARGEST COMPRESSOR LOAD START	40
TOTAL COMBINED HORSEPOWER RUN	100

Optional Feature

- 208, 460 Volt Output (includes transformer)
- AutoStart and AutoOff with load detection
- PL Model (includes Start and Stop with Built-in Mag Starter)
- GPX Model (includes WFI Cloud Controls, Timers, Energy Monitor)
- Wireless Remote ON/OFF

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