



## FIXED 400HZ GROUND POWER UNIT

# UFC SERIES Low Profile®

### 120, 150, OR 180kVA

The 400Hz fixed Low ProFile unit provides up to 180kVA output power and is designed to service the largest commercial and military aircraft on the market today. The dual outputs provided can be single source controlled, be individually voltage regulated and line drop compensated, and configured for partial redundancy.

#### STANDARD FEATURES

- IP55
- CERTIFIED TO UL 1012
- ≤5% INPUT CURRENT DISTORTION AT MAX LOAD
- 3 PHASE, 380-480VAC INPUT
- INDOOR / OUTDOOR (HANGAR / RAMP) USE
- AUTOMATIC INPUT LINE MONITORING
- ADVANCED INTEGRATED DISPLAY (AID™) CONSOLE
- 8000 EVENT LOG / DIAGNOSTICS
- INTERNAL COMMUNICATION PORTS - USB, RJ45 (ETHERNET), RS485 (MODBUS), AND RS232
- EXTERNAL COMMUNICATION PORTS - USB
- 15% AUTOMATIC LINE DROP COMPENSATION
- EMERGENCY POWER "OFF" SWITCH
- I/O VOLTAGE, CURRENT, AND FREQUENCY MONITORING
- ELAPSED TIME METER ACCESS
- SLEEP MODE (IF ENABLED)
- TOUCH SCREEN FRONT PANEL
- FRONT PANEL VOLTAGE ADJUST
- FRONT PANEL SUMMARY FAULT INDICATORS
- 4 INCH LEG KIT
- SINGLE INPUT CONNECTION
- INPUT HIGH VOLTAGE TRANSIENT PROTECTION
- MULTI-LANGUAGE DISPLAY (ENGLISH, FRENCH, GERMAN, ITALIAN, SPANISH, OTHERS AVAILABLE - SPECIFY)

#### OPTIONS AVAILABLE

- ALTERNATE INPUT VOLTAGE AVAILABLE - (SPECIFY)
- ALTERNATE OUTPUT VOLTAGE AVAILABLE - (SPECIFY)
- VARIOUS CONVENIENCE OUTLETS (SPECIFY VOLTAGE AND FREQUENCY)
- 300% OVERLOAD FOR 6 SECONDS
- NON LINEAR LOAD
- PARALLELABLE (GRID EXPANSION)
- REDUNDANT (N+1 / HOT SWAP)
- CUSTOM PAINT AND DECALS (STANDARD COLOR - WHITE)
- GROUND FAULT MONITOR
- LOCKABLE FRONT DOOR
- CSA OR CE MARK CERTIFIED
- NO BREAK POWER TRANSFER COMPATIBLE (AIRCRAFT LOAD)
- STAND - 4, 12, OR 18 INCH
- NEUTRAL INTERRUPT PROTECTION
- UNIVERSAL AIRCRAFT SAFETY INTERLOCK (SINGLE OR DUAL)

#### SPECIFICATIONS / STANDARDS (MEETS OR EXCEEDS)

NFPA 70 (NEC 500)	DFS-400	ISO 6858
EN 61000-6-2 AND -4**	SAE ARP 5015	ISO 1540
MIL-STD-1472	UFGS 26 35 43	ISO 461-1/2
MIL-STD-704	2006/95/EC**	

\*\*DEFINED BASIS OF CE MARK CERTIFICATION

AC INPUT

INPUT CURRENT DISTORTION	≤ 5%, TYPICALLY 3%
VOLTAGE	380-480V, +10%, -15%, 3Ø, 3 OR 4 WIRE PLUS GROUND (SPECIFY)
FREQUENCY	45 - 65 Hz ±10%
PHASE ROTATION	ANY
PROTECTION	OVER/UNDER VOLTAGE, LOSS OF PHASE, OVER CURRENT, SHORT CIRCUIT. VOLTAGE TRANSIENT PROTECTION IAW IEEE C62.41.1, LOCATION CAT. B/C
INRUSH CURRENT	NO GREATER THAN 100% OF FULL LOAD CURRENT

ENVIRONMENTAL

ACOUSTICAL NOISE	<65 dBA MAXIMUM AT 5 FEET (1.5M)
TEMPERATURE RANGE	-40°C TO +55°C
ENCLOSURE	NEMA 250 - TYPE 3SX CORROSION RESISTANT
RELATIVE HUMIDITY	10 - 95%, NON-CONDENSING
INGRESS OF WATER	TYPE 3SX, IP55

ENERGY FACTORS

EFFICIENCY	94% TYPICAL AT FULL LOAD, 92 % TYPICAL AT HALF LOAD; (VARIES DEPENDING ON CONFIGURATION AND RATING)
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AC OUTPUT

POWER RATING	120, 150, OR 180 kVA (SPECIFY)
POWER FACTOR RANGE	0.5 LAGGING TO 0.8 LEADING
OVERLOAD	100% CONTINUOUS 110% FOR 60 MIN 125% FOR 10 MIN 150% FOR 2 MIN 200% FOR 20 SEC
VOLTAGE*	115/200 VOLTS, 3Ø, 4 WIRE, GROUNDED NEUTRAL
CREST FACTOR	1.414 ± 3%
VOLTAGE REGULATION	±1.0% UNDER ALL CONDITIONS OF LINE, BALANCED LOADS AND TEMPERATURE
VOLTAGE TRANSIENT	IAW MIL-STD-704F
FREQUENCY REGULATION	400Hz ±0.01% UNDER ALL CONDITIONS OF LINE, LOAD AND TEMPERATURE
FREQUENCY TRANSIENTS	NONE
PHASE ANGLE REGULATION	±1° FOR BALANCED LOADS ± 2° FOR UNBALANCED LOADS
HARMONIC DISTORTION	2.0% MAXIMUM
PROTECTION	OVERLOAD, SHORT CIRCUIT, OVER/UNDER VOLTAGE, AND SAFETY DISCONNECT
AUTOMATIC LINE DROP COMPENSATION (ALDC)	15%

NOTE  
\*ALSO AVAILABLE 120/208 VAC, ADJUSTABLE ± 10%

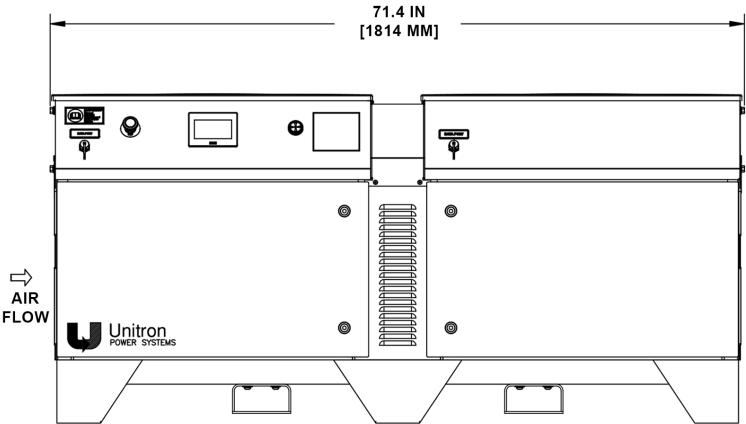
WEIGHT

\*WEIGHT VARIES WITH OPTIONS\*

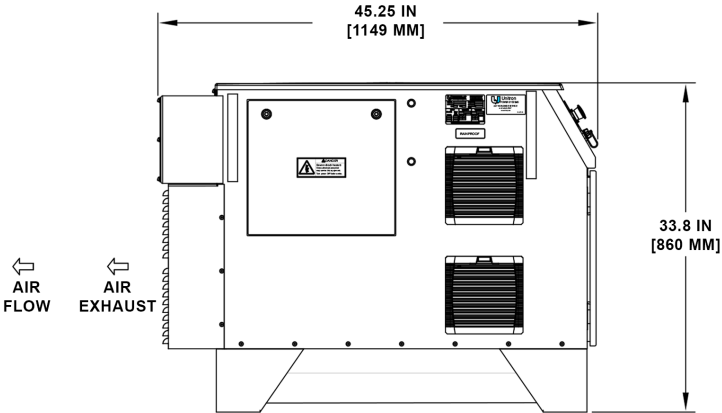
120kVA	1,332LBS (604KG)
150kVA	1,683LBS (763KG)
180kVA	1,855LBS (841KG)

COOLING

FORCED CONVECTION



FRONT VIEW



LEFT SIDE VIEW

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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This product was manufactured in a plant  
whose quality management system is  
registered to ISO 9001:2015.



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