RK Power Generator

RK POWER GENERATOR CORP.

Diesel Product Line

PDF 150

150 kWe

60 Hz / 1800 RPM

Standby / Prime

Ratings

Phase	1		3		3		3
PF	1.0		0.8		0.8		0.8
Hz	60		60		60		60
Generator Model	PDF 150		PDF 150		PDF 150		PDF 150
Connection	12 LEAD ZIG-ZAG		12 LEAD WYE		12 LEAD DELTA		12 LEAD WYE
Standby							
kWe	150		150		150		150
AMPS	625		521		452		226
Temp Rise	**130℃ / 27℃**		**130℃ / 27℃**		**130℃ / 27℃**		**130℃ / 27℃**

Standard Equipment

Engine

- Radiator Cooled Unit Mounted (55℃)
- Blower Fan & Fan Drive
- Starter & Alternator
- Oil Pump & Filter
- Oil Drain Extension w/Valve
- Governor - Electronic Isochronous
- 24V Battery System & Cables
- Air Cleaner (Dry Single Stage)
- Flexible Fuel Connector
- EPA Certified Tier 3

Generator

- Brushless Single Bearing
- Automatic Voltage Regulator
- ± 1% Voltage Regulation
- 4 Pole, Rotating Field
- 130℃ Standby Temperature Rise
- 100% of Rated Load - One Step
- 5% Maximum Harmonic Content
- NEMA MG 1, IEEE and ANSI Standards
- Compliance for Temperature Rise

Additional

- Microprocessor Based Digital Control
- Interface Connection Box
- Control Panel Mounted in NEMA 12 Enclosure
- Base - Formed Steel
- Main Line Circuit Breaker Mounted & Wired
- Critical Grade Silencer Mounted
- Battery Charger 24V 5 Amp
- Jacket Water Heater -20℉ 1500W 120V w/Isolation Valves
- Vibration Isolation Mounts
- Radiator Duct Flange (OPU Only)
- Single Source Supplier
- Standard Colors - White / Tan / Gray

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150 kWe

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DSE7320 Control Panel

KEY FEATURES

- Five key menu navigation
- Front panel editing with PIN protection
- Customisable status screens
- Power save mode
- Support for up to three remote display units
- 9 configurable inputs
- 8 configurable outputs
- Flexible sender inputs
- Configurable timers and alarms
- 3 configurable maintenance alarms
- Multiple date and time scheduler
- Configurable event log (250)
- CAN engine support
- Integral PLC editor
- Easy access diagnostic page
- CAN and Magnetic Pick-up/Alt. sensing

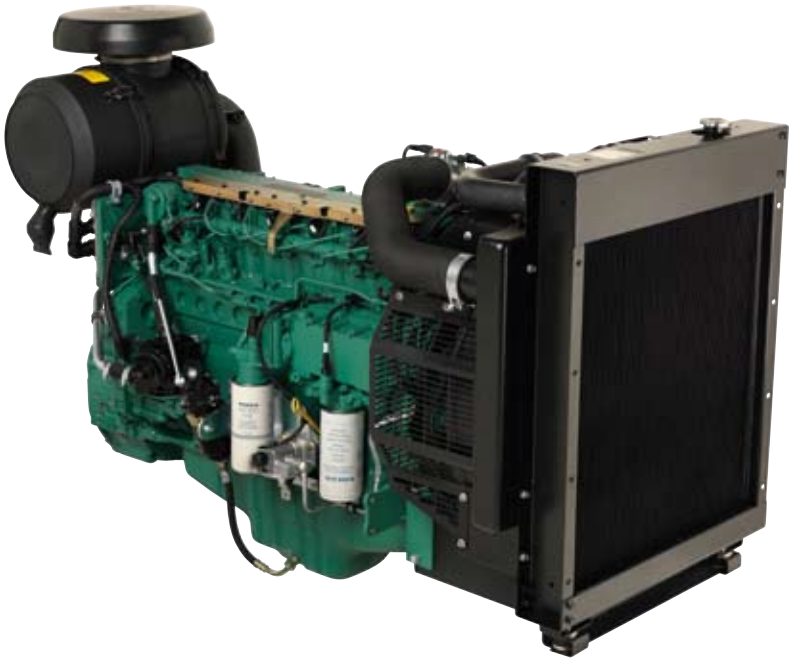
KEY BENEFITS

- Real-time clock provides accurate event logging
- Multiple date and time scheduler
- Set maintenance periods can be configured to maintain optimum engine performance
- Ethernet communications (via DSE855 module), provides advanced remote monitoring
- Modules can be integrated into building management systems (BMS)
- Increased input and output expansion capability via DSENet®
- Licence-free PC software
- IP65 rating (with supplied gasket) offers increased resistance to water ingress
- PLC editor allows user configurable functions to meet specific application requirements

Weights / Dimensions / Sound Data

Sounds Data

	No Load	Full Load
OPU	80 dBA	83 dBA
Level 1	77 dBA	79 dBA
Level 2	72 dBA	75 dBA
Level 3	68 dBA	70 dBA



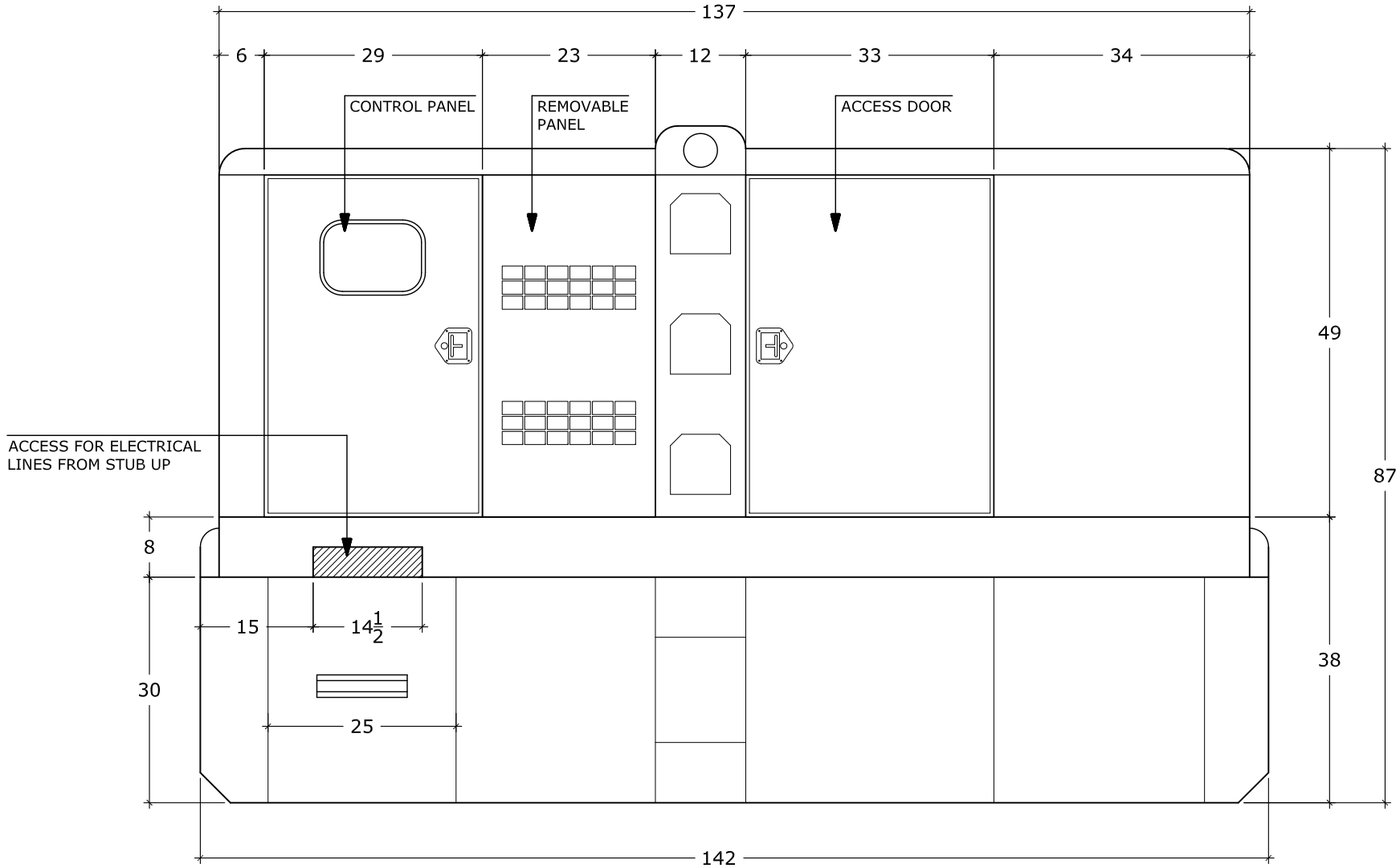
TAD751GE

Technical Data

General

Engine designation	TAD751GE
No. of cylinders and configuration	in-line 6
Method of operation	4-stroke
Bore, mm (in.)	108 (4.25)
Stroke, mm (in.)	130 (5.12)
Displacement, l (in³)	7.15 (436)
Compression ratio	18
Dry weight, engine only, kg (lb)	764 (1684)
Dry weight with cooling system, kg (lb)	947 (2088)

Drawings based on standard open power 480 volt standby generator. Lengths may vary with other voltages. Subject to change without notice.
Sound data as measured at 23 feet (7 meters) in accordance with ISO 8528-10 at standby rating.



LEFT SIDE VIEW

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RK Power GENERATOR

GENERATOR 130 - 150 KW

VIEWS

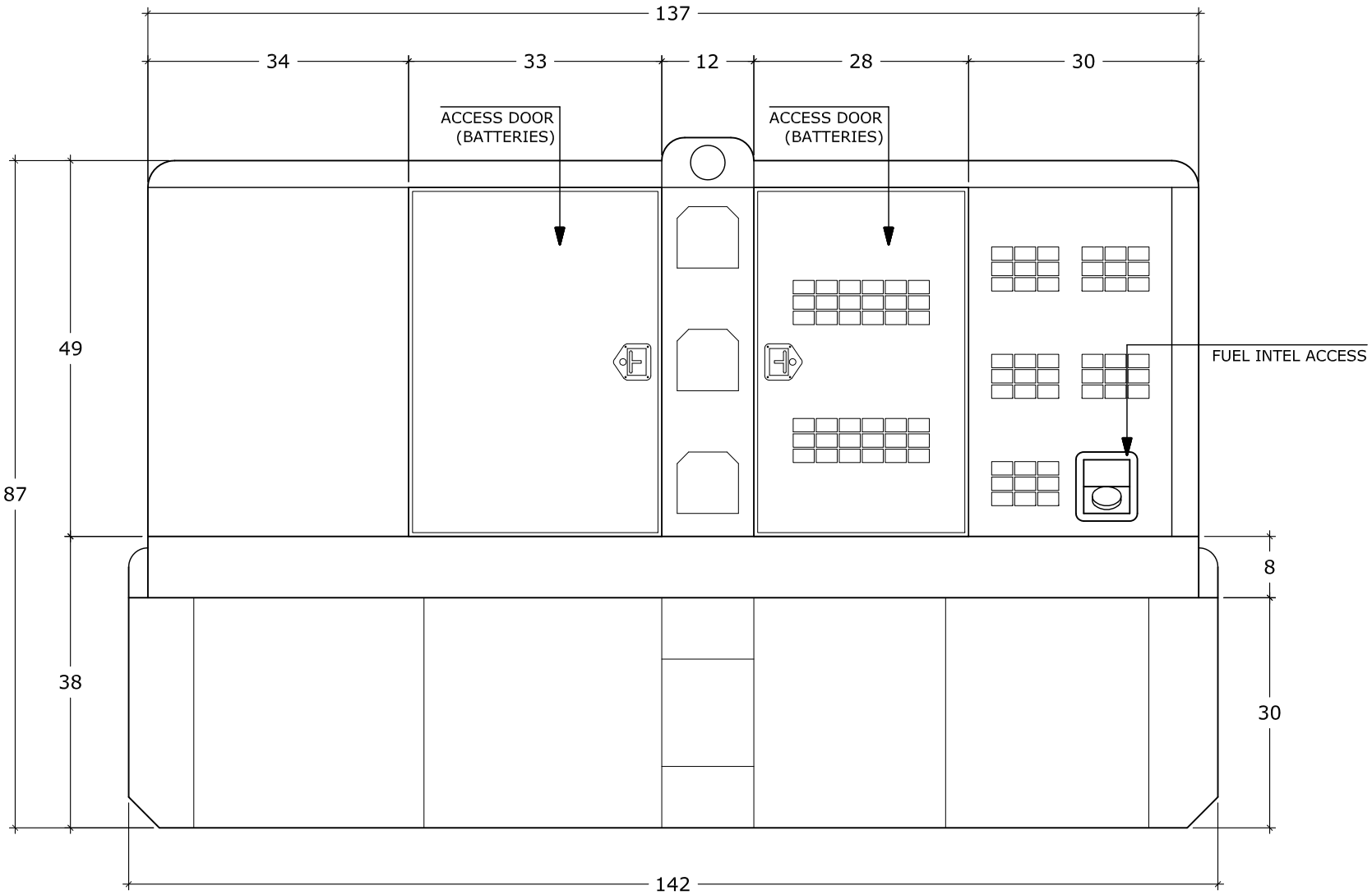
DWG NO. LAMINA 1/5

SAVE.

SIZE | REV

SHEET | SCALE

UNITS ARE IN INCHES



RIGHT SIDE VIEW

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RK Power GENERATOR

GENERATOR 130 - 150 KW

VIEWS

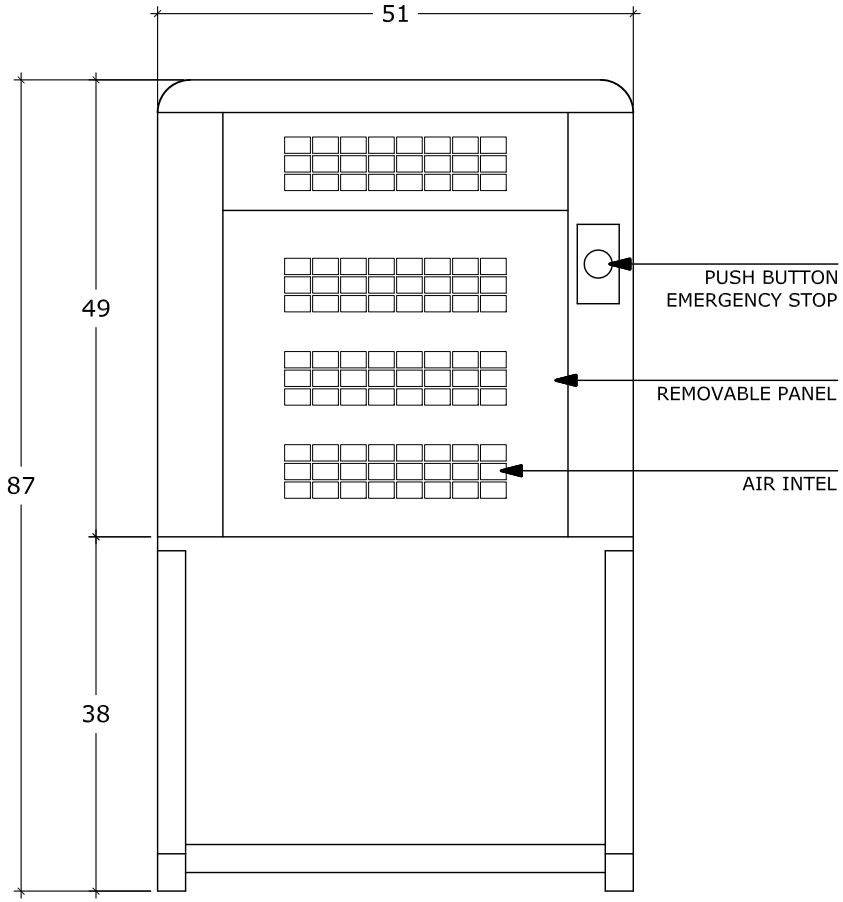
DWG NO. LAMINA 2/5

SAVE:

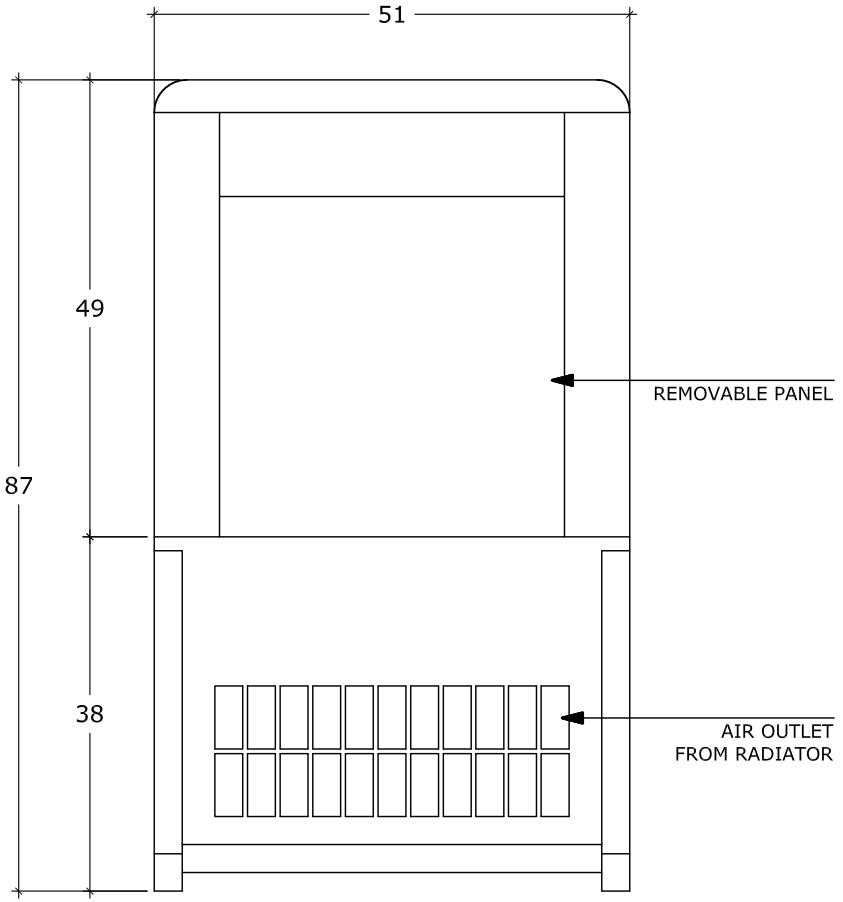
SIZE | REV

SHEET | SCALE

UNITS ARE IN INCHES



BACK VIEW



FRONT VIEW

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RK Power GENERATOR

GENERATOR 130 - 150 KW

VIEWS

DWG NO. LAMINA 3/5

SAVE.

SIZE | REV.

SHEET | SCALE

UNITS ARE IN INCHES

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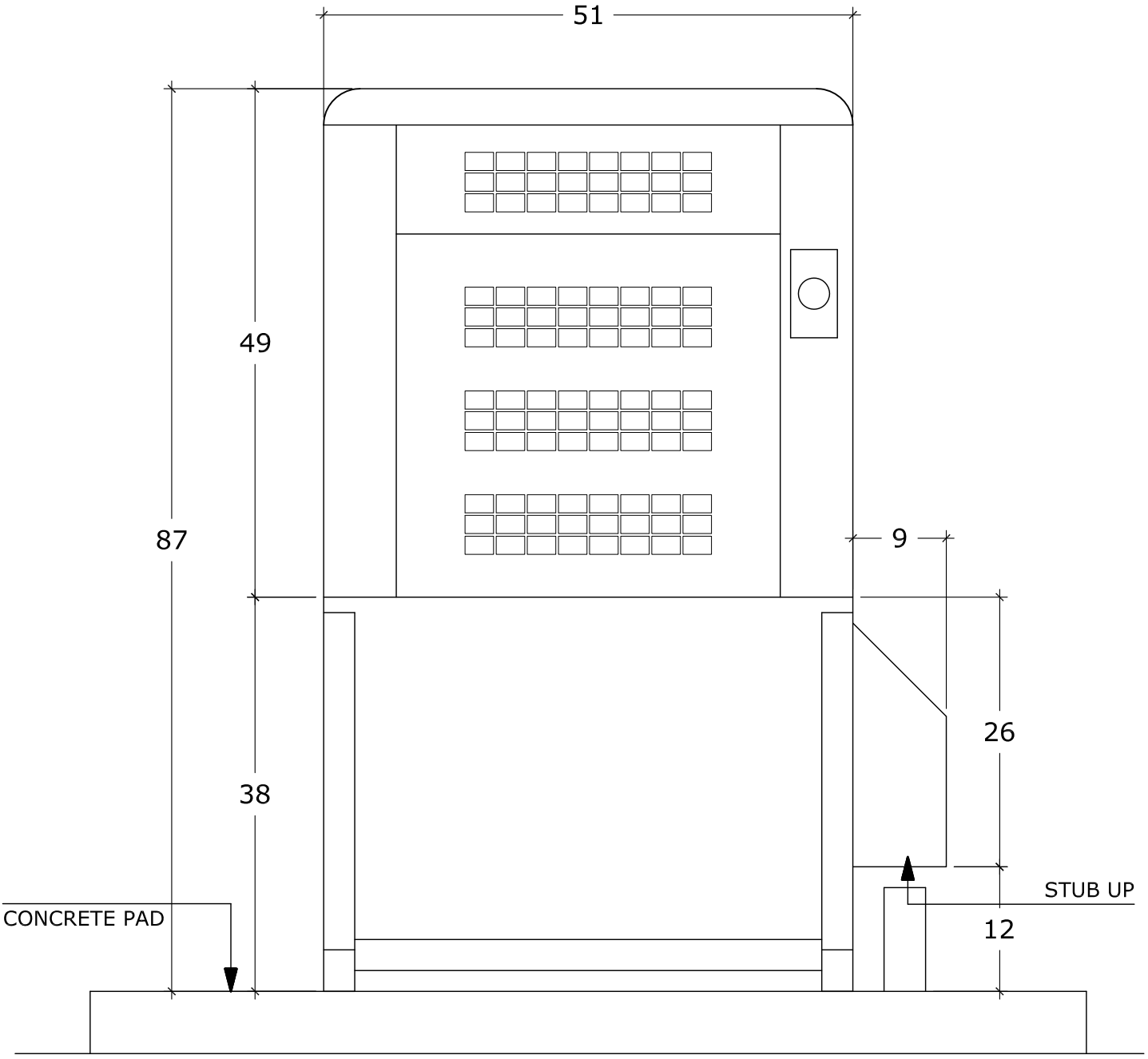


BACK VIEW

GENERATOR 130 - 150 KW

CONCRETE PAD / STUB UP

RK Power GENERATOR

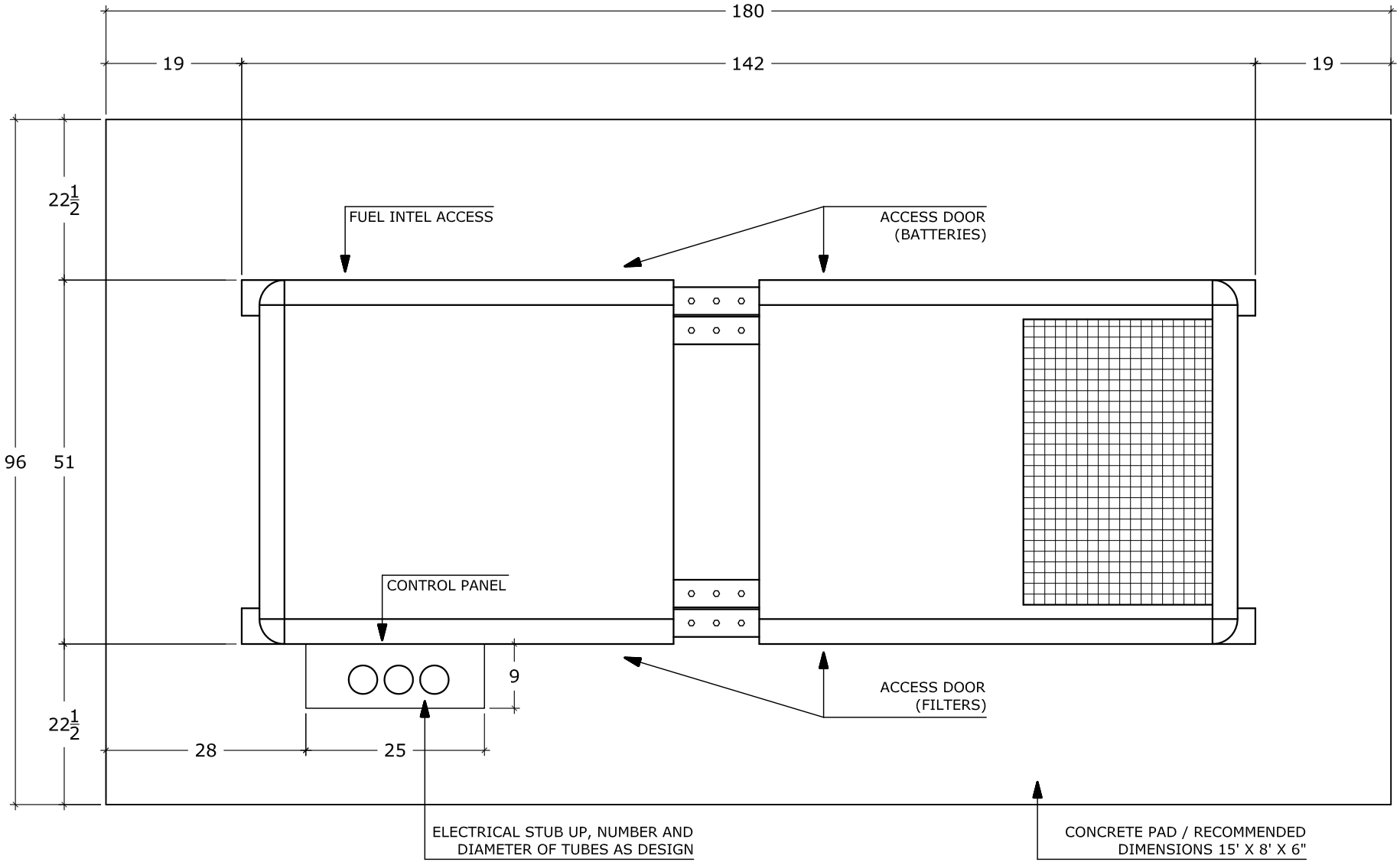
DWG NO. SHEET 4/5

SAVE.

SIZE | REV

SHEET | SCALE NO SCALE

UNITS ARE IN INCHES



TOP VIEW

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RK Power GENERATOR

GENERATOR 130 - 150 KW

CONCRETE PAD / STUB UP

DWG NO. LAMINA 5/5

SAVE.

SIZE | REV.

SHEET | SCALE

UNITS ARE IN INCHES