



The Avtron Model 3066 are resistive, AC load banks designed for moveable, outdoor installation when up to 650 kW of electrical load is required.

Capacity Ratings (kW)

Product Code	3 Ph Loading							1 Ph Loading						Control Circuit
	208V	220V	230V	380V	400V	440V	480V	120V	127V	230V	240V	254V	277V	
3066-0625-DBAB-B2AX	169	189	207	564	625	-	-	37	42	136	149	166	198	380-420V 50Hz 3 Ph
3066-0650-HAAD-B2AX	122	137	149	407	451	546	650	27	30	98	107	120	143	380-420V 50Hz 3 Ph 440-480V 60Hz 3 Ph

Load Step Resolution	1kW (using SIGMA II)
Overall Tolerance	±2.5% total capacity

Performance & Operation

Short Circuit Rating	10kA
Load Duration	100% load, continuous at rated Voltage. 10% above rated Voltage for short periods. ¹
Connection Options	Bus Bar: M12 single hole lug, 5 per phase, 2 x PE, 1 x N.
Instrumentation Accuracy	Class 0.5
Insulation Voltage - Power Circuit	1000V DC
Control Platform	SIGMA II

¹ short period is defined as 1 hour in 12.

Fan & Control Circuit

Fan & Control Circuit Consumption	50Hz - Nominal - 12A, 60Hz - Nominal - 25A
Connection External/Internal	External: 32A 3ph + PE plug and socket conforming to IEC 60309-2 Internal: From supply on test
Recommended Protection	50Hz - 16A aM style fuse or equivalent, 60Hz - 32A aM style fuse or equivalent

Design

Construction	2mm 'Zintec' steel, folded and welded to form a monocoque construction.
Elements	Stainless steel, non-finned sheathed elements
Finish	Grey RAL7042 - C3 Finish (ISO12944)
Lifting	4 point lift / Forklift pocket / Center Point Lift
Height	1618mm
Width	1481mm
Length	2000mm
Weight	1000kg

Environmental

Ambient Operating Temperature	-10°C to +50°C
Storage Temperature	-20°C to +70°C ²
Degree of Protection	Design of electrical enclosures to IP55
Operating Humidity	90% relative humidity, non-condensing
Operating Altitude	1000m ASL
Required Airflow (@50Hz)	6.25m³/sec
Required Airflow (@60Hz)	7m³/sec
Average Air Temperature Rise	100°C at outlet
Hot Air Exhaust	Horizontal
Noise Level	74dBA ±3dBA @ 50Hz, 3 meters from load bank at 90° to airflow direction

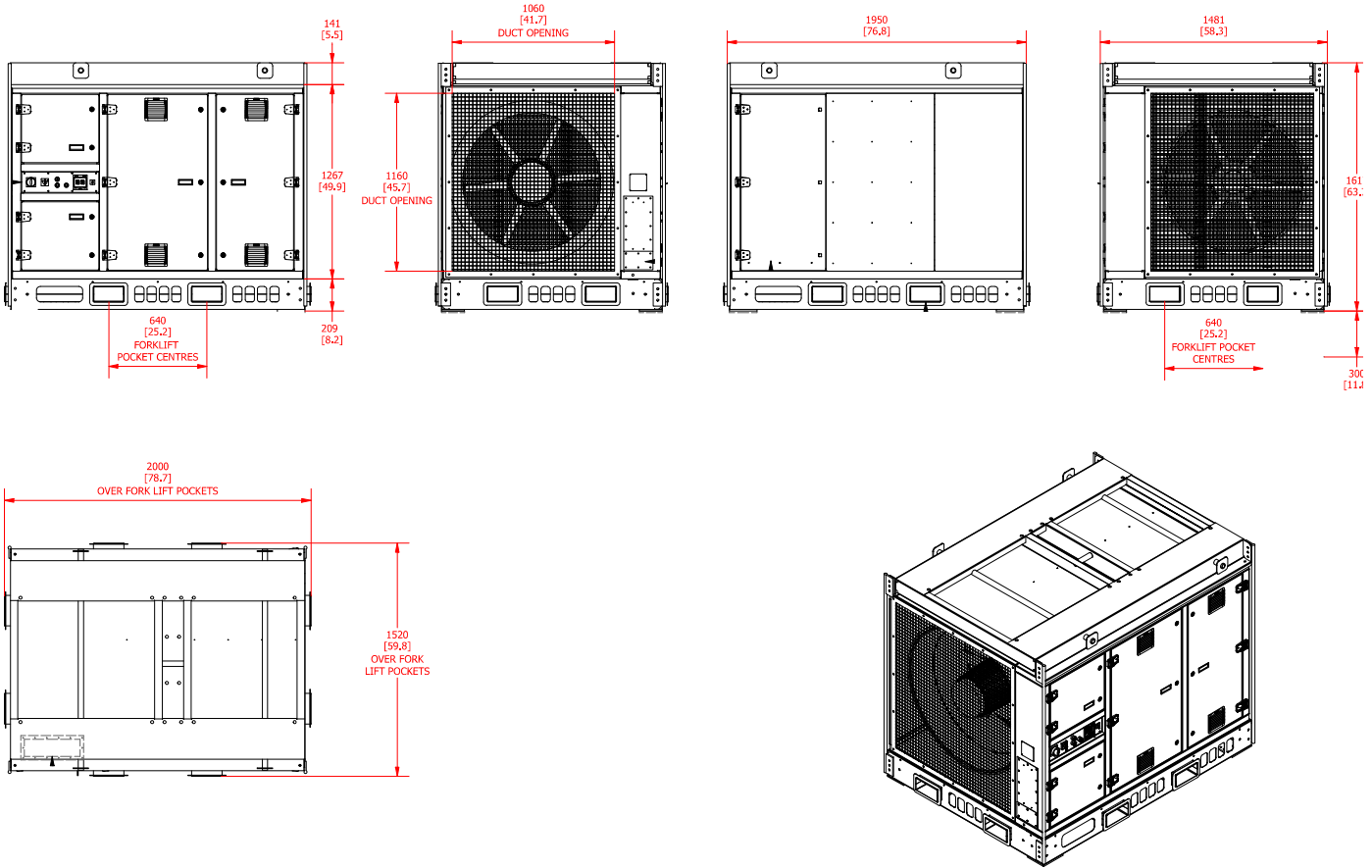
Standards & Compliance

Standards	  
Warranty	12 months

Optional Accessories

PVC Cover	PR00997
SIGMA LT Hand-held Control	EI02603
Trailer mount	TR00114

Outline Drawing / Connection Diagram



All dimensions are in millimeters.
Specifications subject to change without notice.