



The Avtron Model 3020 are resistive, AC load banks designed for moveable, indoor installations when up to 200 kW of electrical load is required.

## Capacity Ratings (kW)

Product Code	3 Phase							1 Phase						Control Circuit	Power Connection Type
	208V	220V	230V	380V	400V	440V	480V	120V	127V	230V	240V	254V	277V		
3020-0200-DBAA-C2AX	54	61	66	181	200	-	-	12	13	44	48	53	63	220-240V 50Hz	Powerlock

Load Step Resolution 1kW (using the SIGMA LT hand-held), 5kW (using SIGMA LT digital toggles)

Overall Tolerance  $\pm 2.5\%$  total capacity

## Performance & Operation

Short Circuit Rating	5kA
Load Duration	100% load, continuous at rated Voltage. 10% above rated Voltage for short periods. <sup>1</sup>
Connection Options	Powerlock Quick connections
Instrumentation Accuracy	Class 0.5
Insulation Voltage - Power Circuit	1000V DC
Control Platform	SIGMA LT

<sup>1</sup> short period is defined as 1 hour in 12.

## Fan & Control Circuit

Fan & Control Circuit Consumption	Nominal 10A
Connection External/Internal	External: 16A 1ph + PE plug and socket conforming to IEC 60309-2 Internal: From supply on test
Recommended Protection	16A gG style fuse or equivalent

## Design

Construction	1.2mm mild steel, folded and pop riveted to form a monocoque construction
Elements	Stainless steel, non-finned sheathed elements
Finish	Grey RAL7042 - C3 Finish (ISO12944)
Lifting	Forklift pocket
Height	970mm
Width	870mm
Length	1137mm
Weight	220kg

Environmental

Ambient Operating Temperature	-10°C to +40°C
Storage Temperature	-20°C to +70°C <sup>2</sup>
Degree of Protection	All electrical enclosures to IP55
Operating Humidity	90% relative humidity, non-condensing
Operating Altitude	0-1000m
Required Airflow	2.3m³/sec @ 50Hz
Average Air Temperature Rise	100°C at outlet
Hot Air Exhaust	Horizontal
Noise Level	69dBA ±3dBA @ 50Hz, 3 meters from load bank at 90° to airflow direction

<sup>2</sup>Battery life in the SIGMA LT control panel may be reduced if stored outside of 0°C to +30°.

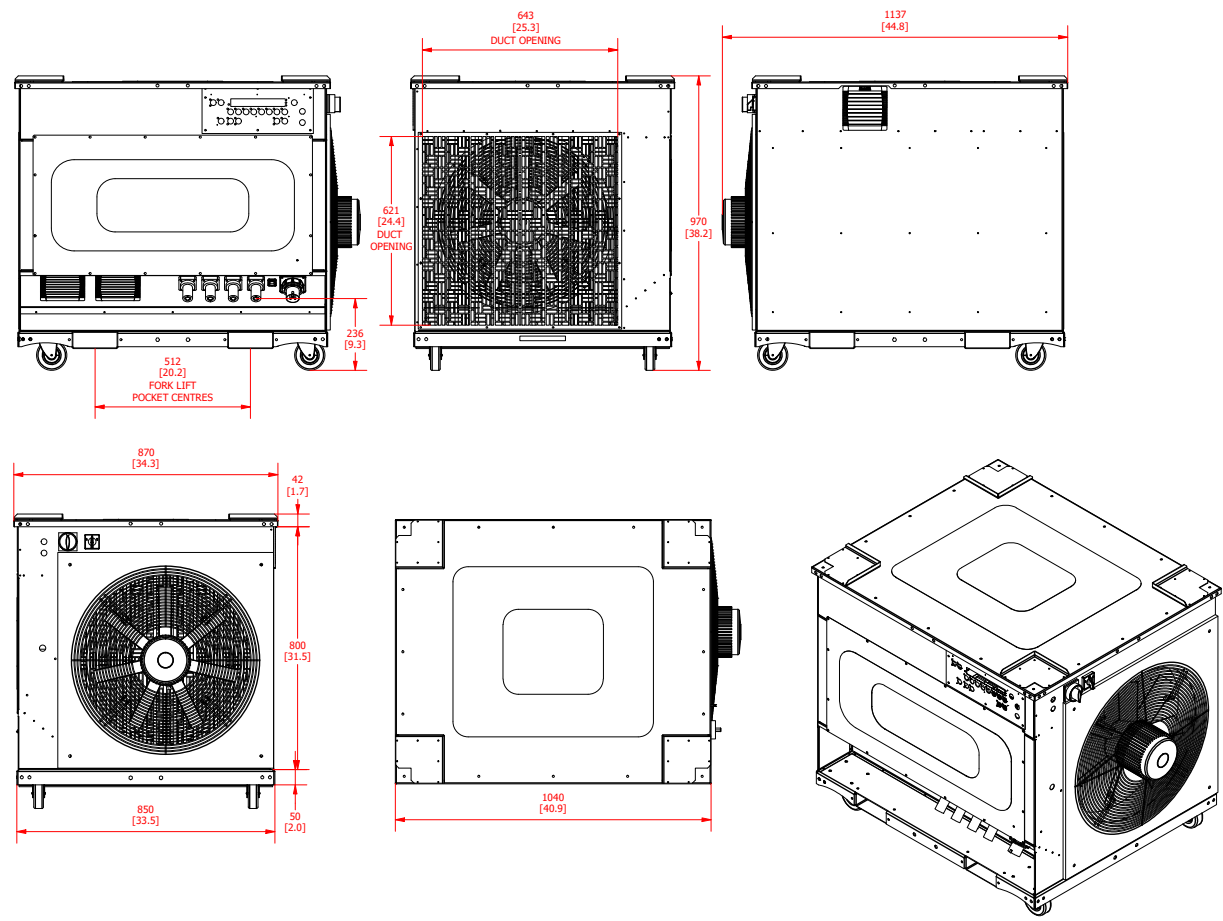
Standards & Compliance

Standards	  
Warranty	12 months

Optional Accessories

PVC Cover	PR10693
SIGMA LT Hand-held Control	EI02477

Outline Drawing / Connection Diagram



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