



DEKAL LOAD BANKS®

DEKAL POWER LLC
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PORTABLE RESISTIVE 400 Hz LOAD BANKS - DIGITAL PANEL



SPECIFICALLY DESIGNED RUGGED UNITS USED FOR THE TESTING AND SERVICING OF 400 Hz 115 / 200 V GPUS

TECHNICAL SPECIFICATION	ALB-45DP	ALB-80DP	ALB-100DP	ALB-120DP	ALB-140DP
VOLTAGE [V] * FREQUENCY [Hz]	115 / 200 V AC ± 10 % * 400 Hz ± 10 %				
LOAD / POWER [kW / kVA cosφ=1]	0 - 48 kW ± 5 %	0 - 80 kW ± 5 %	0 - 104 kW ± 5 %	0 - 120 kW ± 5 %	0 - 144 kW ± 5 %
FINE ADJUSTMENT - POTENTIOMETER	0 - 8 kW	0 - 8 kW	0 - 8 kW	0 - 8 kW	0 - 8 kW
RATE SWITCH REG. LOAD STEPS ± 5% ROUGH ADJUSTMENTS - 8 kW STEPS POWER [kW / kVA cosφ=1]	5 SEQUENCE STEPS: 8 - 16 kW 16 - 24 kW 24 - 32 kW 32 - 40 kW 40 - 48 kW	9 SEQUENCE STEPS: 08 - 16 kW 16 - 24 kW 24 - 32 kW 32 - 40 kW 40 - 48 kW 48 - 56 kW 56 - 64 kW 64 - 72 kW 72 - 80 kW	12 SEQUENCE STEPS: 08 - 16 kW 16 - 24 kW 24 - 32 kW 32 - 40 kW 40 - 48 kW 48 - 56 kW 56 - 64 kW 64 - 72 kW 72 - 80 kW 80 - 88 kW 88 - 96 kW 96 - 104 kW	14 SEQUENCE STEPS: 08 - 16 kW 16 - 24 kW 24 - 32 kW 32 - 40 kW 40 - 48 kW 48 - 56 kW 56 - 64 kW 64 - 72 kW 72 - 80 kW 80 - 88 kW 88 - 96 kW 96 - 104 kW 104 - 112 kW 112 - 120 kW	17 SEQUENCE STEPS: 08 - 16 kW 16 - 24 kW 24 - 32 kW 32 - 40 kW 40 - 48 kW 48 - 56 kW 56 - 64 kW 64 - 72 kW 72 - 80 kW 80 - 88 kW 88 - 96 kW 96 - 104 kW 104 - 112 kW 112 - 120 kW 120 - 128 kW 128 - 136 kW 136 - 144 kW
FORCED AIR COOLING [m³/min & CFM]	44.10 m³/min - 1560 CFM	66.15 m³/min - 2340 CFM	88.20 m³/min - 3120 CFM	88.20 m³/min - 3120 CFM	88.20 m³/min - 3120 CFM
MEASUREMENTS & INDICATIONS					
DIGITAL PANEL VOLT METER DIGITAL PANEL AMPERE METER DIGITAL PANEL FREQUENCY METER	VOLT METER 1% ACCURACY, WIDE VIEWING ANGLE, PROGRAMMABLE DYNAMIC BACKGROUND COLOUR (Green, Red, White) AMPERE METER 1% ACCURACY, WIDE VIEWING ANGLE, PROGRAMMABLE DYNAMIC BACKGROUND COLOUR (Green, Red, White) FREQUENCY METER 0.1% ACCURACY, WIDE VIEWING ANGLE, PROGRAMMABLE DYNAMIC BACKGROUND COLOUR (Green, Red, White)				
LIGHT INDICATION	PHASE INDICATION, PHASE ROTATION, INTERLOCK CIRCUIT [E&F]				
GPU TESTING PROCEDURE*	*Proposal procedure: LOAD raising from 0→100% ⊕30 seconds; HOLD at 100% ⊕5 minutes; LOAD decrease from 100→0% ⊕10 minutes				
ENGINE DECARBONISING*	*Proposal procedure: LOAD raising from 0→100% ⊕30 seconds; HOLD at 100% ⊕45 minutes; LOAD decrease from 100→0% ⊕15 minutes				
DIMENSIONS & WEIGHT					
LOAD BANK SIZE [L x W x H] mm / Kg	600 x 230 x 630 / 25	600 x 230 x 630 / 27	600 x 230 x 630 / 30	600 x 230 x 630 / 33	600 x 230 x 630 / 35
LOAD BANK SIZE [L x W x H] In / Lbs	23.6 x 9.05 x 24.8 / 55	23.6 x 9.05 x 24.8 / 59	23.6 x 9.05 x 24.8 / 66	23.6 x 9.05 x 24.8 / 73	23.6 x 9.05 x 24.8 / 77
TRANSPORT CASING [L x W x H] mm / Kg	710 x 290 x 860 / 19	710 x 290 x 860 / 19	710 x 290 x 860 / 19	710 x 290 x 860 / 19	710 x 290 x 860 / 19
TRANSPORT CASING [L x W x H] In / Lbs	27.9 x 11.4 x 33.9 / 42	27.9 x 11.4 x 33.9 / 42	27.9 x 11.4 x 33.9 / 42	27.9 x 11.4 x 33.9 / 42	27.9 x 11.4 x 33.9 / 42
LOAD BANK PAINTING / TRANSPORT CASING	FINE POWDER COATING STRUCTURE DRYLAC® 29_80081 / ALUMINIUM FRAME WITH BLACK LAMINATED PLYWOOD PANEL				
Including transport carrying case per unit / All specifications are subject to change without further notice					



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ADVANTAGES of 400Hz AC LOAD BANK

- **Simple operation** suitable for non-trained operators and personnel; no maintenance required
- Suitable for **workshop or airside** operation; silent unit rated at <70 dB(A) at 7m / 23Ft
- **Cant protection** - load bank works only when positioned on flat horizontal surface
- **Phase detection and rotation indicator** - ABC availability, sequence of three-phase voltage
- **Fine load regulation knob as standard for complete series of 400 Hz AC** load banks
- **Digital load banks do not require any further calibration process once delivered**
- **The next generation of load bank data indicator measurements**
- **Programmable** dynamic background colour (**Green, Red, White**)
- **Effective way of monitoring and displaying measurement data & high indication accuracy**
- 400 Hz AC 6-Pole receptacle **in accordance with NATO & MIL-C-81790** specification
- **Equipped with 28.5 V DC control circuit for E&F** and applicable bypass **interlock circuit**
- Housing made of **non-corrosive parts with component quality control** by the manufacturer
- **High reliability with multiple thermal protection** - extremely resistant to high temperature
- **Extra safety and isolated jack sockets** for connecting external voltage measuring device
- **Short worldwide delivery period** with tracking feature and insurance for all products
- Spare parts availability and **accurate on-time deliveries** by appointed courier
- **Transport casing** with pull up handle as standard for every load bank manufactured
- **2 years full warranty with extension option** for all DEKAL load banks
- CE certification - health, safety, and environmental protection standards
- Made for GPU's testing procedure according to ISO 6858, DFS 400, ARP 5015
- Classification CE marking, DIN, VDE, IEC, IP 21 protection rate level
- Customs classification **Harmonized System tariff code HS: 8516808000**

