

Engine Dynamometers - ACLB - Series 1

Overview

Power Test ACLB-Series 1 engine dynamometers feature an AC Load Bank and Generator combination for efficient engine testing. Series 1 dynamometers are offered in 100 HP (75 kW), 220 HP (164 kW) or 380 HP (283 kW) models, designed for precise, repeatable testing of engines.

The ACLB-Series feature:

- Low-inertia and high absorption characteristics in a highly responsive package.
- The systems include load bank, generator, sub-base, a self-aligning universal engine docking cart with adapters, drive shaft guard, and an SAE 1410 drive shaft.
- This low maintenance dynamometer system eliminates the need for an expensive water recirculation system.
- Keep your test cell cooler by externally locating the load bank assembly.
- Dynamometer can be easily relocated, no permanent installation required.

The ACLB-Series 1 dynamometer systems may be used for continuous-duty engine power verification, quality assurance, endurance, and certification testing.



ACLB-220 Load Bank Engine Dynamometer Shown

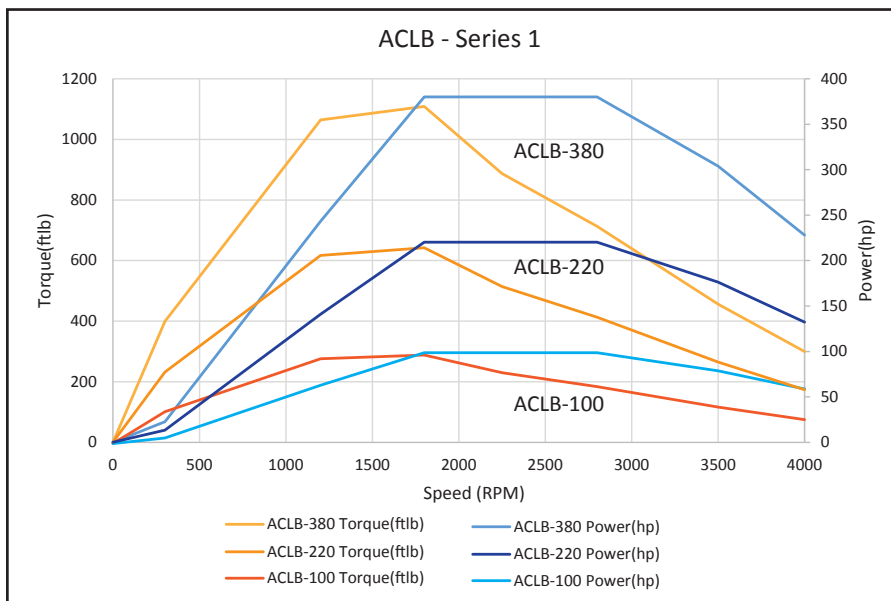
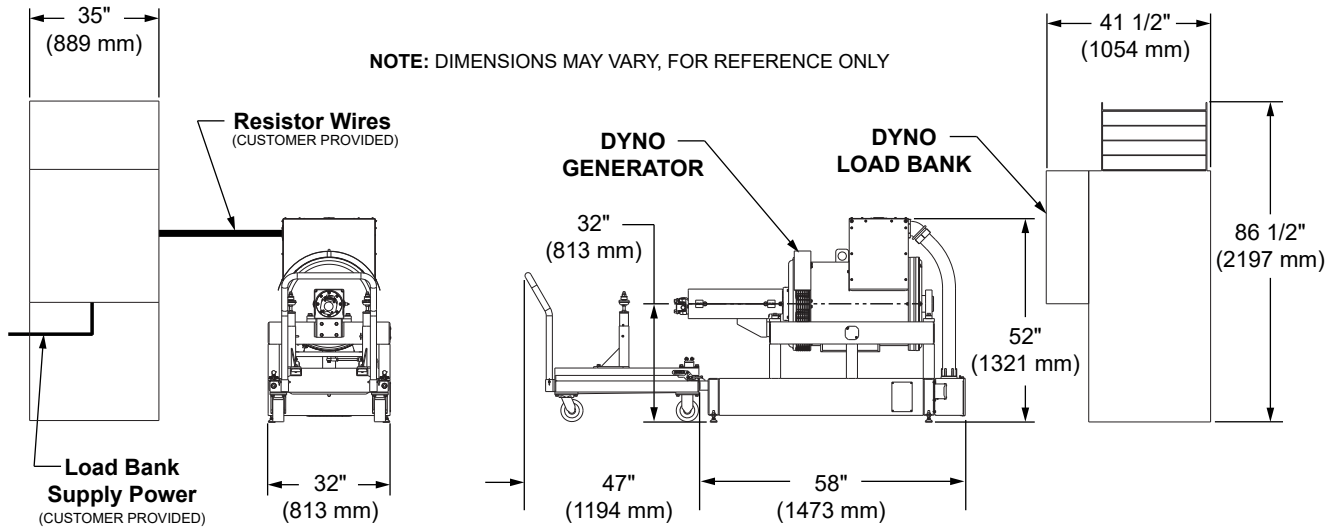
Description	Electrical Requirements		Continuous Power Absorption - HP (kW)	Maximum Speed RPM	Center Line Height - Inches (cm)
	Load Bank Supply Power	Resistor Wires			
ACLB-100	380/480 3 Phase @ > 5 Amps	0 - 480v 3 Phase @ 100 Amps	100 (75)	4,000	32" (81)
ACLB-220	380/480 3 Phase @ > 5 Amps	0 - 480v 3 Phase @ 200 Amps	220 (164)	4,000	32" (81)
ACLB-380	380/480 3 Phase @ > 5 Amps	0 - 480v 3 Phase @ 350 Amps	380 (283)	4,000	32" (81)

*Other options are available on request.



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Max. Torque Absorption @ 1,200 to 1,800 RPM		
ACLB-100	290 Ft-lbs.	(393 Nm)
ACLB-220	640 Ft-lbs.	(868 Nm)
ACLB-380	1,108 Ft-lbs.	(1502 Nm)