



Worldwide Sales since 1957

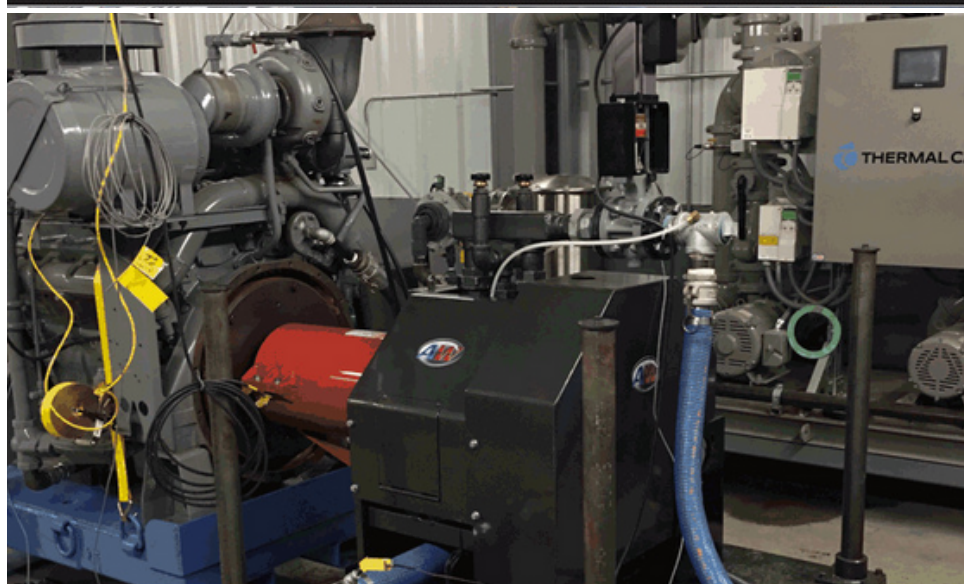
AW Dynamometer, Inc.
800-447-2511 | sales@awdynamometer.com

I-SERIES ENGINE DYNAMOMETERS

I-300 I-600 I-900 I-1200



FIELD TESTING TIER 4 ENGINES



CUSTOMER ENGINE TESTING



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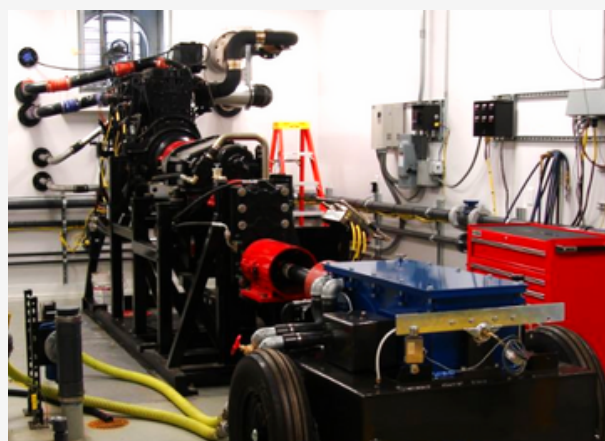
REPUTATION

AW has long been known for its dependability and longevity. Since 1957, AW has sold over 14,000 units worldwide. We are committed to manufacturing a heavy duty, high quality, highly accurate product and then backing it up with the best support and service to provide our customers with complete satisfaction.



HIGH TORQUE LOADS. LOW RPM.

AW I-Series Dynamometers excel at providing high torque loads at low RPM ranges, making this series of dynamometers an excellent choice for diesel engine testing as well as other applications. The I-Series load unit consists of a heavy duty hydraulically activated prony brake which has the unique feature of providing maximum torque load at low RPM. The design of this load unit also provides for a stable torque load and RPM set point with moderate ramp rates.





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MODELS

AW I-Series Dynamometers come in four different models all using the same basic design. The models increase proportionally in horsepower and torque with the addition of power load units. Tank size and other components increase proportionally as well. The I-300 is a single power load unit with a max torque of 1,200 Ft. Lbs., the I-600 is a double power load unit with max torque of 2,400 Ft. Lbs., the I-900 is a triple power load unit with max torque of 3,600 Ft. Lbs., and the I-1200 is a quad power load unit with max torque of 4,800 Ft. Lbs. All I-Series units have an RPM range of 0-3600.

MODEL	TORQUE	SPEED	POWER		
			@1,000 RPM	@2,200 RPM	@3,600 RPM
I-300	1,200 FT. LBS.	0-3,600 RPM	200 HP (150 KW)	250 HP (186 KW)	300 HP (225 KW)
I-600	2,400 FT. LBS.	0-3,600 RPM	400 HP (300 KW)	500 HP (373 KW)	600 HP (450 KW)
I-900	3,600 FT. LBS.	0-3,600 RPM	600 HP (450 KW)	750 HP (560 KW)	900 HP (675 KW)
I-1200	4,800 FT. LBS.	0-3,600 RPM	800 HP (650 KW)	1,000 HP (750 KW)	1,200 HP (900 KW)



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I-SERIES

The I-Series Dynamometers come in two designs. One is fixed mounted and the other is wheel mounted for mobility. The unit is water cooled and requires a minimal amount of water flow of 8 GPM per 100 horsepower @ 70°F inlet temperature. The unit has a heavy duty bottom water tank which provides for additional cooling capacity as well as ballast for high torque loads.

STANDARD FEATURES INCLUDE:

- ✓ AW2100SXT DAQ computer with digital display of horsepower, torque, and RPM, real time dedicated processor, load control button, E stop
- ✓ DETSXT software Integrated load control
- ✓ Electronic load control system
- ✓ Electronic thermocouple protection
- ✓ Electronic water flow switch protection
- ✓ Shear pin flange torque overload protection
- ✓ Bi directional valve allows (CW) (CCW) operation
- ✓ High speed/high torque overload protection
- ✓ 5,000 LB. Load Cell
- ✓ RPM magnetic pickup w/60 tooth sprocket
- ✓ Heavy duty hydraulic activated load unit
- ✓ Fatigue proof steel shafts
- ✓ Heavy duty top and bottom tanks

OPERATING REQUIREMENTS

WATER COOLED

- ✓ Continuous testing - 8GPM @ 70F per 100 HP
- ✓ Tests under 30 min - reservoir ballast tanks plus 8 GPM sufficient

ELECTRICAL REQUIREMENTS

- ✓ 110V for AW2100SXT DAQ Computer

MINIMUM POWER RATINGS

MODEL	@1000RPM	@2200RPM	@3600RPM
I-300	10 HP	25 HP	75 HP
I-600	20 HP	50 HP	150 HP
I-900	30 HP	75 HP	300 HP
I-1200	40 HP	150 HP	600 HP