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Built On Experience……Driven By Perfection

Engine Dynamometer - Air Cooled Eddy Current

The Phoenix Dynamometer ranges of Air Cooled Eddy Current Engine Dynamometers are for testing engines from 0.5 - 1680 kW [0.7 - 2250 HP] capacity. The PDEC series is ideal for short duration production or verification tests that require accuracy and repeatability. It does not require extensive infrastructure and is very attractively priced. It is the only "plug and play" dynamometer in the industry. Due to its Air Cooled nature, this series is not suited for duration tests unless external cooling fans are added to the system. These external cooling fan modules are available from Phoenix Dynamometer so please inquire with a salesperson to determine if your application will require them.

Standard Available Models:*

MODEL	MAX POWER kW [HP]	MAX TORQUE Nm (ft*lbs)	MAX SPEED (RPM)	CENTERLINE	# OF PAU'S
PDEC - 560	560 [750]	2450 [1800]	5000	1000mm [40"]	1
PDEC-1120	1120 [1500]	4900 [3600]	5000	1000mm [40"]	2
PDEC-1680	1680 [2250]	7350 [5400]	5000	1000mm [40"]	3

Design Features:

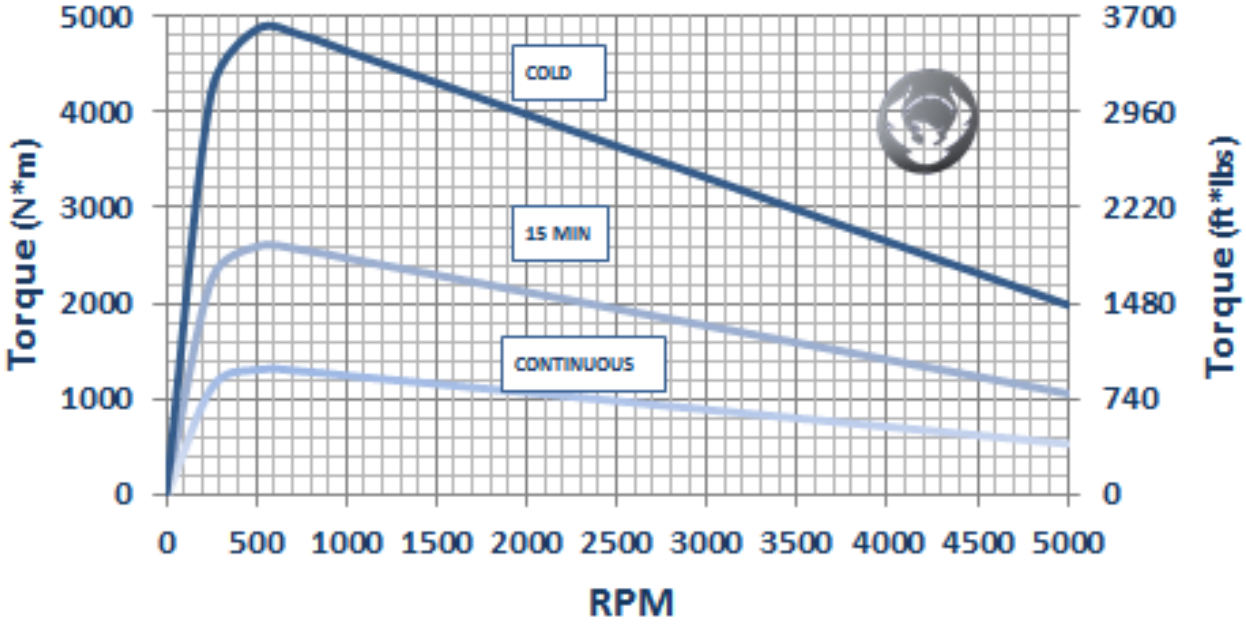
- High Accuracy strain gauge load cell for Torque measurement.
- Precise Control even at low loads and rapid changes on demand.
- No water required for cooling.
- Precision shaft bearings ensure smooth operation.
- Virtually no maintenance.
- Powder coated frame and enclosure.
- Modular system.
- Vibration isolation mounting feet.

Available On Request:

- Adapter Kits
- Calibration Weights
- Couplings
- Custom C/L Height
- Custom Colors
- Drive Shafts
- Engine Carts
- Exhaust Systems
- External Cooling Fans
- Fuel Storage Tanks
- Multiple PAU's

* Values may change without notice. Always check with a Phoenix Dynamometer salesperson for current data and warranty information.
** Performance of multiple PAU systems is additive.

PDEC-1120
Torque Performance Characteristics



PDEC-1120
Power Performance Characteristics