

### ***AW Dynamometers***

The AW dyno is a water-cooled dyno, and has a very good reputation for endurance testing. The heart of the dyno exists of a brake drum(s) with brake linings. The “linings” are pressed against the drum by hydraulic pressure. The necessary pressure is regulated via a control valve. The power that is supplied by the power source is measured on the torque arm. The AW dyno can test both directions of rotation.

The AW dyno can test any device or machine that has an outgoing shaft and is capable to take a high torque (4470 Nm, depending on the model)

The AW dyno is built very compact and is very accurate. An accuracy of 98% is factory guaranteed. The AW dyno is very stable because of its big water tank. With this stock of water a 70 Kw tractor can be tested on full load during half an hour without addition of water.

There are various possibilities for operating the dyno and data acquisition. The standard read-out exists of an analog read-out system for the power + digital read-out for RPM. The load control is mounted directly on the dyno. The second read-out option can be done via a hand-held read-out and accompanying software.

Option number three exists of a data acquisition system and software. With this option the tester can be controlled via the DAS system with accompanying WinDyn software.

### **Security:**

All AW power testers are provided with CE marking, a shearbolt safety device in the PTO and a protective device against overheating.



**Tabel 4.2: Specifications of the available versions:**

Model	Max torque (Nm)	RPM range (rpm/min.) *	Power (kW)						Water-Stock (l)	Weight	
			540 rpm/min	620 rpm/min	1000 rpm/min	1160 rpm/min	1500 rpm/min	1600-3200 <sup>1</sup> rpm/min		Empty (kg)	Operational (kg)
200 <sup>2 5</sup>	1355	0-1500 PTO	74,6	89,5	149,1	156,6	156,6	-	370	454	818
NEB 200 <sup>5</sup>	1355	0-3600 <sup>1</sup> PTO + Engine	74,6	89,5	149,1	164,1	171,5	178,9	370	477	855
NEB 2-300 <sup>4</sup>	1490	0-3600 <sup>1</sup> PTO + Engine	74,6	89,5	156,6	178,9	223,7	223,7	370	500	877
375 <sup>5</sup>	2850	0-1500 PTO	149,1 <sup>3</sup>	178,9 <sup>3</sup>	298,3	313,2	313,2	-	370	518	898
NEB 400 <sup>5</sup>	2850	0-3200 <sup>1</sup> PTO + Engine	149,1 <sup>3</sup>	18,9 <sup>3</sup>	298,3	313,2	343,0	343,0	370	586	966
NEB 4-600 <sup>4</sup>	3016	0-3200 <sup>1</sup> PTO + Engine	171,5 <sup>3</sup>	193,9 <sup>3</sup>	316,9	365,4	447,4	447,4	370	602	982
NEB 600 <sup>5</sup>	4336	0-3000 <sup>1</sup> PTO + Engine	223,7 <sup>3</sup>	283,4 <sup>3</sup>	447,4	469,8	492,2	492,2	662	750	1373
NEB 6-900 <sup>4</sup>	4470	0-3000 <sup>1</sup> PTO + Engine	253,5 <sup>3</sup>	290,8 <sup>3</sup>	466,1	544,4	671,1	671,1	662	773	1395

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\* Toegestane koppel aftakas 4470 Nm

<sup>1</sup> Uitgebalanceerde aftakas met afscherming vereist (no. 90941)

<sup>2</sup> Model 3000 XHC is vervangen door model 200

<sup>3</sup> Aftakas no. 90946 is vereist                      <sup>4</sup> Bij motortesten gebruik maken van motortestbok en klep voor twee draairichtingen

#### Your advantages:

- Perfect tool for pre-delivery break-in on new tractors, machinery and fresh overhauls
- Possibility to make a diagnosis and to assess problems in the workshop
- Accurate system (guaranteed accuracy of 98%)
- Possibility to print out a test report, power diagrams and torque curves (optional)
- Perfect for endurance testing
- Simple operation

#### Our service and maintenance:

PPC offers you the possibility to follow a product training in proper usage, maintenance and calibration after the purchase of the AW dyno. A PPC after sales employee will follow your powertester into your shop. We ensure proper maintenance and calibration of your machine.