



ENGIRO
HYDAC INTERNATIONAL

Electric Drive Systems for Tractors





The Perfect Combination for Every Weight Class



Thanks to the modular design of all ENGIRO motors and components, it is possible to offer the optimum electric drive system for all types of agricultural machines, consisting of a motor or generator, a matching inverter, and a suitable cable harness. In this brochure, we have put together a selection of electric traction motor, hydraulic motor or generator sets for every weight class of tractors. Whether you are looking for an efficient system for a small tractor or a reliable power source for heavy models – with a variable continuous power range from 5 kW to powerful 600 kW, ENGIRO ensures that all agricultural machines get the electric drive solution they need to work productively and efficiently.



159AH



159WH



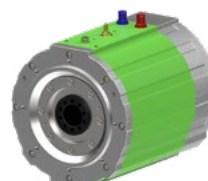
196A



205A



205W



260W



370W

Tractors

3 t – 6 t



Traction Motor

159AH_06020

Motor
Controller Zapi ACE/BLE 4 - 96 V
AC Cables integrated
Data Cables Resolver + Temp. data cable

Art.-No.

4844589
4862116
4907404



Air Cooled



9.6/26



4600/8000



20/74



96

205W_08095

Motor
Controller Hydac Motor Controller D3800
110 A / 225 A
AC Cables 3 x 35 mm², 2 m
Data Cables Resolver + Temp. data cable

4872374
4867274
4692046
4836245/4863697



Water Cooled



28/48



3270/6100



82/189



700



Tractors

3 t – 6 t



Generator

260W_15031

Art.-No.

Motor

4807369

Controller 800 V 3-phase motor controller
200 A / 300 A

4879771

AC Cables 3 x 50 mm², 2 m

4801180

Data Cables Resolver + Temp. data cable

4801179



Water Cooled



111/176



2230/6000



480/816



800

Hydraulic Motor

205W_04191

Art.-No.

Motor

4872207

Controller Hydac Motor Controller D3800
110 A / 225 A

4867274

AC Cables 3 x 25 mm², 2 m

4842711

Data Cables Resolver + Temp. data cable

4836245/4863697



Water Cooled



12/20



3010/8000



39/94



700

Tractors 6 t – 9 t



Traction Motor

260W_10020

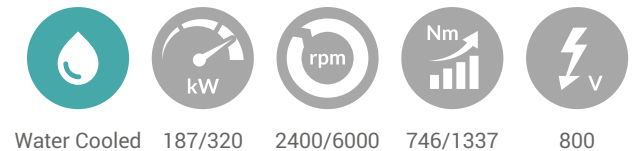
| | | Art.-No. |
|-------------|---|----------|
| Motor | | 4807367 |
| Controller | 800 V 3-phase motor controller 400 A / 600 A | 4843264 |
| AC Cables | 3 x 70 mm ² , 2 m | 4843033 |
| Data Cables | Resolver + Temp. data cable | 4853879 |



Generator

260W_25018

| | | Art.-No |
|-------------|---|---------|
| Motor | | 4822867 |
| Controller | 800 V 3-phase motor controller 400 A / 600 A | 4843264 |
| AC Cables | 3 x 70 mm ² , 2 m | 4843033 |
| Data Cables | Resolver + Temp. data cable | 4853879 |





Tractors

> 9 t



Traction Motor

370W_29016

Art.-No.

| | | |
|-------------|---|---------|
| Motor | | 4801924 |
| Controller | 800 V 3-phase motor controller 600 A / 900 A | 4843401 |
| AC Cables | 3 x 120 mm ² , 2 m | 4843094 |
| Data Cables | Wiring harness | 4842840 |



Water Cooled



260/387



1250/3000



1986/3720



700

Generator

370W_29016

Art.-No.

| | | |
|-------------|---|---------|
| Motor | | 4801924 |
| Controller | 800 V 3-phase motor controller 600 A / 900 A | 4843401 |
| AC Cables | 3 x 120 mm ² , 2 m | 4843094 |
| Data Cables | Wiring harness | 4842840 |



Water Cooled



260/387



1250/3000



1986/3720



700

Hydraulic Motor

260W_08058

Art.-No.

| | | |
|-------------|---|---------|
| Motor | | 4807366 |
| Controller | Hydac Motor Controller D3800 110 A / 225 A | 4867274 |
| AC Cables | 3 x 35 mm ² , 2 m | 4692046 |
| Data Cables | Resolver + Temp. data cable | 4801179 |



Water Cooled



47/80



1940/3600



222/443



700

The values given above for the electric motors always refer to the continuous operating range and the maximum operating range.

Optimised Drive Systems for a Wide Range of Mobile Applications



If the motors and generators listed do not meet your requirements or if you need motors and generators for another agricultural vehicle, please contact us, so we will create an individual set combination for you. This will ensure that you receive a solution that utilises the full potential of your vehicle.

Are you looking for a set consisting of an electric motor, inverter, and associated cables for other commercial vehicles? ENGIRO supplies optimised electric drive systems for a wide range of mobile applications.

Contact the ENGIRO Sales Team for more information:
sales@engiro.de



To be noted: The information in this brochure is based on our current knowledge and experience. Due to the wide range of possible influences during application, they do not exempt the processor and user from carrying out their own tests and trials. Although the suitability for a specific application can be estimated from our information, a legally binding assurance is by no means possible. Depending on the individual case, we recommend consultation with us. Any industrial property rights and applicable laws must be observed by the recipient of our products on his own responsibility.

ENGIRO
HYDAC INTERNATIONAL

About ENGIRO

ENGIRO GmbH represents the drive division within the renowned HYDAC group of companies, which specialises in hydraulics, storage, filtration technology, control systems and thermal management. As a leading systems provider of high-efficiency electric drives for commercial vehicles, ENGIRO provides its customers worldwide with innovative electric motors and generators, matched inverters, and suitable wiring harnesses. With the scalable and modular components, ENGIRO customers benefit from an electric drive system that is optimally tailored to customer-specific requirements. Thanks to the extensive expertise and cooperative service, the experts from ENGIRO are available to their customers so they can find the best possible solution together. ENGIRO customers can count on getting a custom drive solution that efficiently and reliably electrifies their vehicles – whether municipal vehicles, construction and agricultural machinery, buses and lorries, boats, or special vehicles.

Headquartered in the high-tech region of Aachen, the company has established its product portfolio worldwide. ENGIRO is investing in expanding its business and production facilities to grow for its customers in the long term. Thanks to the first-class developer expertise, the company is continuously further developing its portfolio and developing new products in the field of electric drive systems. With a clear focus on sustainability, efficiency, and customer-centred solutions, ENGIRO has set itself the goal of providing long-term concepts for demanding environmental requirements of the future.

