



Hägglunds Thunder

Where torque and electricity meet

Each path has its own possibilities. Hägglunds is synonymous with gearless, high-torque solutions that put power right on the driven shaft – and always will be. But with Hägglunds Thunder, there's yet another route to efficient flexibility.

Hägglunds Thunder is a permanent magnet (PM) torque motor. This type of multi-pole electric motor has well-known capabilities, but its potential in heavy-duty industry has so far been untapped. As the latest addition to the Hägglunds portfolio, it creates a fully electric path to a powerful direct drive.

With the natural force created by permanent magnets, Hägglunds Thunder supplies more than just high torque at low speed. Its dynamic characteristics offer highly efficient answers to specific application challenges.

EFFICIENCY BUILT ON TRUSTED ADVANTAGES

Direct drive solutions with Hägglunds Thunder offer high efficiency with very limited maintenance. The motor may be electric and water-cooled, but the high torque and precise, gearless operation are the same as you're used to from Hägglunds.

So is the unbeatable reliability. Offering torque up to 200 kNm, Hägglunds Thunder combines it with high overload capacity – up to 200% for 60 seconds. Thanks to a built-in sensor package, you can also monitor the drive status in full.

SUPPLYING A TOTAL SOLUTION

A wide range of Hägglunds Thunder motor sizes are available for optimized dimensioning. You'll find an ideal solution for low, medium or high voltage, ready for excellent torque performance at megawatt levels of installed power.

We deliver the motor and all the other components, including the closed-loop motor cooling and the variable-frequency drive that controls the system. As always, you get a complete solution from Hägglunds – including the knowledge and support of our global organization.

HÄGGLUNDS THUNDER BASIC MOTOR DATA

Hägglunds Thunder	Unit	380–4160 VAC	6–10 kVAC
Nominal torque range	kNm	8–200	7–180
Maximum torque	%	200 (of nominal)	200 (of nominal)
Speed range (nominal)	rpm	30–300	30–300
Operating power	kW	27–4700	21–4300
Weight (foot-mounted motor)	kg	3800–25850	3800–25850
Outer length	mm	1210–2621	1210–2621
Outer width	mm	1060–2004	1060–2004
Outer height	mm	1140–2002	1140–2002

