



The all-in-one drive solution

Hägglunds Fusion

A Hägglunds Fusion drive system takes the compactness of a Hägglunds solution to an entirely new level. In fact, it places the whole hydraulic drive system on the torque arm. That makes it a space-saving and cost-efficient fit for a wide range of applications

With the torque arm as the framework for mounting, a Hägglunds Fusion drive system is compact in the extreme. It fits into the same space as a traditional low-speed, high-torque motor and torque arm – but without the added gearbox, foundation and external equipment. Because the drive solution is self-contained, it's quick and easy to install and maintain.

The hydraulic motor, like the other hydraulic components, is housed in the cabinet on the torque arm. With all the hydraulics in one place, there's no need for long piping or control lines to a conventional hydraulic power unit. The motor attaches to the drive shaft by means of internal splines or a shrink-disc coupling.

A Hägglunds Fusion drive system is suitable for lower power ranges, where its low cost of ownership creates an attractive alternative to electromechanical drives. As with all Hägglunds solutions, it provides maximum torque from zero speed and automatically limits load peaks. Moreover, it can start, stop and reverse as often as needed, without the risk of damage. All this can bring new productivity to apron feeders, belt feeders, belt conveyors and infeed conveyors.

Each Hägglunds Fusion drive system is function-tested before delivery, and the modular design provides future flexibility. Added to the easy installation and high uptime, this ensures an ideal solution when the demands are greater than the space.

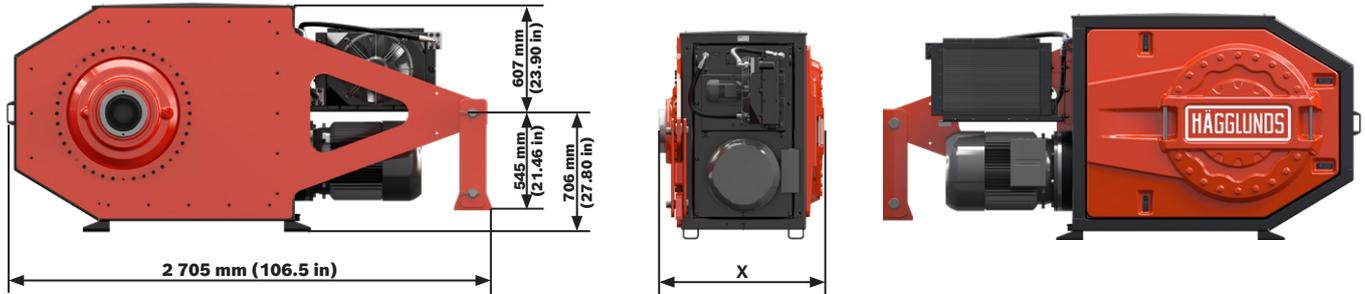
FEATURES

- Plug-and-play drive solution
- Self-contained drive system
- Easy installation
- No foundation needed
- Extremely compact design – small footprint
- Fully function-tested before delivery

TECHNICAL FEATURES

- Both shrink disc and spline hydraulic motor coupling
- Basic and advanced control functionality
- Sealed off hydraulic area
- Flexible installation depending on torque arm position

DIMENSIONS



Hydraulic motor size	X (with splines interface)	X (with shaft coupling)
CA 140-140	1 008 mm (39.69 in)	1 102 mm (43.39 in)
CA 210-210	1 029,5 mm (40.53 in)	1 161 mm (45.71 in)
CB 280-280	1 003 mm (39.49 in)	1 100 mm (43.31 in)
CB 400-400	1 062 mm (41.81 in)	1 110 mm (43.70 in)
CB 560-560	1 171 mm (46.10 in)	1 254 mm (49.37 in)
CB 840-840	1 171 mm (46.10 in)	1 254 mm (49.37 in)

TECHNICAL DATA

Starting Torque up to	Running Torque up to	Hydraulic Motor	Frequency	Pump 28 cc 22kW (30hp)	Pump 40 cc 30kW (40hp)	Pump 56 cc 37kW (50hp)	Pump 71 cc 45 kW (60hp)
42 000 Nm	27 000 Nm	CA 140-140	50Hz	0 - 3.9 rpm	0 - 5.7 rpm	0 - 7.8 rpm	0 - 9.9 rpm
			60Hz	0 - 4.7 rpm	0 - 6.7 rpm	0 - 9.4 rpm	0 - 12.0 rpm
64 000 Nm	41 000 Nm	CA 210-210	50Hz	0 - 2.6 rpm	0 - 3.7 rpm	0 - 5.2 rpm	0 - 6.6 rpm
			60Hz	0 - 3.1 rpm	0 - 4.5 rpm	0 - 6.3 rpm	0 - 8.0 rpm
93 000 Nm	54 000 Nm	CB 280-280	50-hz	0 - 1.9 rpm	0 - 2.8 rpm	0 - 3.9 rpm	0 - 5.0 rpm
			60Hz	0 - 2.4 rpm	0 - 3.4 rpm	0 - 4.7 rpm	0 - 6.0 rpm
132 000 Nm	76 000 Nm	CB 400-400	50Hz	-	0 - 1.9 rpm	0 - 2.7 rpm	0 - 3.5 rpm
			60Hz	0 - 1.7 rpm	0 - 2.4 rpm	0 - 3.3 rpm	0 - 4.2 rpm
186 000 Nm	108 000 Nm	CB 560-560	50Hz	-	-	0 - 1.9 rpm	0 - 2.5 rpm
			60Hz	-	-	0 - 2.4 rpm	0 - 3.0 rpm
280 000 Nm	160 000 Nm	CB 840-840	50Hz	-	-	-	0 - 1.7 rpm
			60Hz	-	-	-	0 - 2.0 rpm

HÄGGLUNDS

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Häggglunds is a brand of Rexroth, a leading global supplier of drive and control technologies. Häggglunds solutions enrich a comprehensive Rexroth portfolio.

