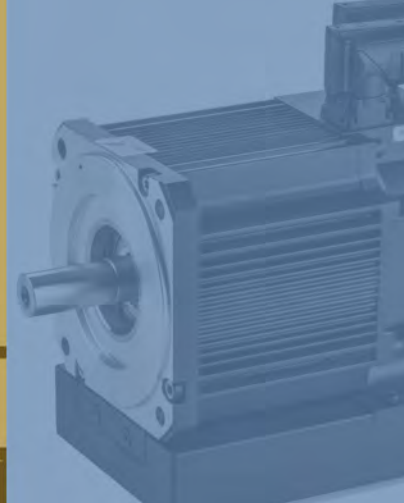


# DI2020 SERVODRIVE

On board integrated solution for decentralized machine architecture



Ideal for decentralized machine architectures, the DI2020 drive integrates the servo control directly on board of the FAS H series of high efficiency brushless motors.

Following the evolution of motion control towards solutions with distributed electronics, the DI2020 allows the implementation of a decentralized architecture of the machine controls, with a consequent greater freedom of design compared to traditional centralized cabinet solutions.

This flexibility ensures substantial savings in installation times and necessary materials. With a remarkable reduction of wiring and overall dimensions of the system, it facilitates installations in environments with limited space for control cabinets.

The DI2020 finds its ideal application in machines with modular and open architecture, requiring high precision and maximum dynamic, with quick and accurate execution of movements.

The Safe Torque Off (STO) and Safe Brake Control safety functions are integrated in the standard equipment of every DI2020 model.

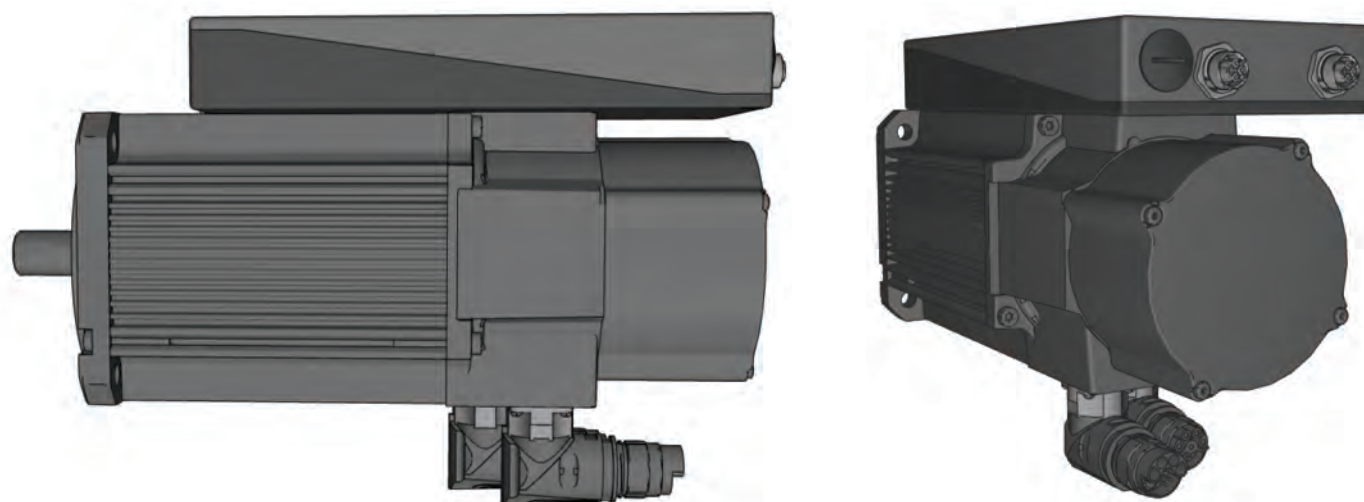
## FEATURES AND BENEFITS

- Reduction of the number of connections and potential failures
- Reduction in component size and number
- Adjustable 90° connectors
- Design simplification
- Significant reduction of costs and installation times
- Possibility to power remotely moving sections of the machine
- Integration with the DM2020 multi-axis system allowing a reduction of the overall energy consumption of the system



## APPLICATIONS

- Industrial machinery with decentralized architecture



## TECHNICAL DATA

<b>Fieldbus control</b>	EtherCAT, CANopen
<b>Control functions</b>	Torque, speed, position
<b>Protection rating</b>	IP 65
<b>Command protocols</b>	EtherCAT, CANopen (according to CIA 402)
<b>PWM Frequency</b>	4-8-16 kHz
<b>Power supply range</b>	282 - 810 Vdc
<b>Environmental operating temperature</b>	From 0°C to 40°C
<b>Auxiliary power supply tension</b>	24 Vdc
<b>Machine safety</b>	STO (Safe Torque Off) SILCL 3 SBC (Safe Brake Control) SILCL 3 PL e (*)
<b>Set-up communication interface</b>	EtherCAT, CANopen, USB
<b>Certification</b>	CE, UL (*)

*\* Pending approval*

Available sizes	H100-V2	H100-V4	H115-V2	H115-V4
Continuous stall torque	2 Nm	3,5 Nm	2,7 Nm	5,1 Nm
Rated torque at rated speed	1,7 Nm	2,1 Nm	1,9 Nm	2,2 Nm
Peak torque	13 Nm	20 Nm	16 Nm	22 Nm
Rated speed	3000 rpm	3000 rpm	3000 rpm	3000 rpm
Peak speed	5500 rpm	5500 rpm	4500 rpm	4500 rpm

Moog has offices around the world. For more information or the office nearest you, contact us online.

for Germany:

+49 6151 797421 0  
info.vsm@moog.com

Moog is a registered trademark of Moog Inc. and its subsidiaries. All trademarks as indicated herein are the property of Moog Inc. and its subsidiaries. ©2017 Moog Inc. All rights reserved. All changes are reserved.

DI2020 Servodrive

For product information, visit

[www.moog.com/industrial](http://www.moog.com/industrial)

For service information, visit

[www.moogglobalsupport.com](http://www.moogglobalsupport.com)

This technical data is based on current available information and is subject to change at any time. Specifications for specific systems or applications may vary.

# MOOG