

Allen-Bradley Kinetix VPC Continuous-Duty Servo Motor

High Performance for Continuous-Duty Applications

The Kinetix® VPC Servo Motor uses interior permanent magnet technology to provide more efficiency and higher torque at higher speeds in continuous-duty applications. Design features, such as the attached fan and option for single-cable power and feedback, both enhance machine performance and increase ease of use.

Our common Logix platform allows you to program the Kinetix VPC along with the Kinetix 5700 Servo Drive and the rest of your control system in the Studio 5000® design environment.

Increase Performance

- Increased torque rating with cooling fins and fan
- High resolution encoders provide faster, better control
- Interior permanent magnet technology provides more efficiency at higher speeds

Reduce Costs

- Up to 60% improvement in L10 bearing life
- Single-cable connectivity reduces cost of spares and downtime
- Fan is field replaceable
- Achieves IE4 efficiency for lower energy costs



LISTEN.
THINK.
SOLVE.®

Optimized for Continuous-Duty Applications

The entire VPC servo motor is designed with features that enhance speed, torque and performance in roll-to-roll applications.

By reducing wiring with a single cable for both power and feedback, the VPC can save time and money.

High resolution digital encoders offer improved machine control.

Interior permanent magnet technology, coupled with the Kinetix 5700 servo drive, provides lower torque ripple for smoother performance.

Interior permanent magnet technology provides more efficiency at higher speeds in continuous-duty applications.

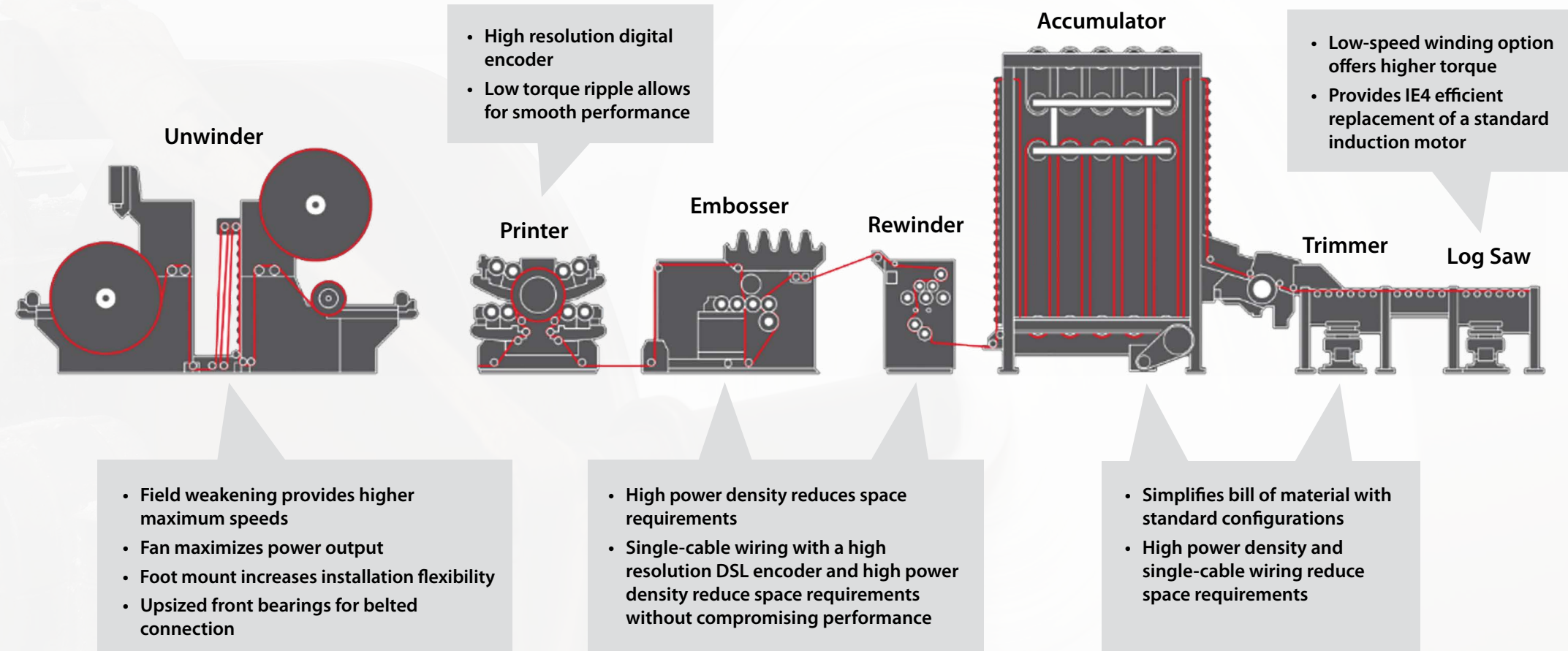
Meets IE4 standard for efficiency, which reduces energy usage.

The attached fan directs air through cooling channels, increasing continuous torque, thus reducing the motor size needed for the same output.



Converting, Print and Web

From beginning to end, the Kinetix VPC servo motor can be used across your converting, print or web machine to help maximize throughput and produce a better product.



Kinetix VPC

Product Specifications

Motor Cat. No.	Rated Speed (rpm)	Max Speed with Shunt (rpm)	Rated Cont. Torque (Nm)	Peak Torque (Nm)	Rated Cont. Power (kW)	IE4 Energy Rating (%)	Kinetix 5700 Drive Matching
VPC-B1652A	1500	4500	25.5	40.3	4.0	91.1	2198-D020-ERS
VPC-B1653A			35.1	60.6	5.5	92.6	2198-D032-ERS
VPC-B1652D	3000	5000	17.6	40.7	5.5	93.0	2198-D032-ERS
VPC-B1653D			24.0	61.4	7.5	93.8	2198-D057-ERS
VPC-B1654D			35.1	76.6	11.0	93.5	2198-D057-ERS
VPC-B21539	1000	3000	52.5	118.8	5.5	92.7	2198-D032-ERS
VPC-B21549			72.0	158.4	7.5	92.9	2198-D057-ERS
VPC-B2153A	1500	4500	48.0	111.8	7.5	93.9	2198-D057-ERS
VPC-B2154A			70.1	140.1	11.0	94.5	2198-D057-ERS
VPC-B2154D	3000	5000	48.0	131.4	15.0	94.5	2198-S086-ERS
VPC-B2155D			59.0	156.7	18.5	94.0	2198-S086-ERS
VPC-B2156D			70.1	185.5	22.0	94.0	2198-S086-ERS
VPC-B30029	1000	3000	105.1	183.7	11.0	94.9	2198-S086-ERS
VPC-B30039			143.3	237.9	15.0	96.3	2198-S086-ERS
VPC-B30049			176.7	327.8	18.5	96.5	2198-S086-ERS
VPC-B3002A	1500	4000	95.5	170.4	15.0	95.2	2198-S086-ERS
VPC-B3003A		3500	140.3	244.8	22.0	96.3	2198-S086-ERS
VPC-B3004A			191.1	319.0	30.0	96.0	2198-S130-ERS
VPC-B3004D	3000	4000	95.5	257.7	30.0	94.7	2198-S160-ERS



TARGET MARKET for an *Industry Focus*

Converting
Printing
Web Handling
Material Handling

Allen-Bradley, Kinetix, LISTEN. THINK. SOLVE., Rockwell Software and Studio 5000 are trademarks of Rockwell Automation, Inc. Trademarks not belonging to Rockwell Automation are property of their respective companies.

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication VPC-PP001A-EN-P – March 2017
Supersedes Publication VPC-SP001A-EN-P – September 2016

Copyright © 2017 Rockwell Automation, Inc. All Rights Reserved. Printed in USA.