



Catalog #: 20BC085A0AYNANCO

PowerFlex 700 AC Drive 85 A 45 kW 20B

Lifecycle status: DISCONTINUED

Rockwell Automation announces that as of November 30, 2023, the PowerFlex 700 AC Drive 85 A 45 kW 20B will be discontinued and no longer available for sale. Customers are encouraged to remove references to the affected product(s).

Discontinued Date: November 30, 2023

Replacement Category: Engineering Replacement

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Technical Specifications

Mechanical

Degree of protection (IP)	IP20
Shock	15 G peak for 11 ms duration (± 1.0 ms)
Vibration	0.152 mm (0.006 inch) displacement, 1G peak

Electrical

Number of analogue outputs	2
Mains voltage	400 V
Integrated breaking resistance	No
Number of digital inputs	6
Number of digital outputs	3
Number of analogue inputs	2
Supporting protocol for DeviceNet	Yes
Max. output frequency	420 Hz
Supporting protocol for EtherNet/IP	Yes
Line voltage, nom	400V @ 380...480V drive rating, 400V nominal motor voltage
Mains frequency	50 Hz

Efficiency	97.5% at rated amps, nominal line volts
Number of phases output	3
Number of phases input	3
Relative symmetric net voltage tolerance	10 %
With control element	Yes
Supporting protocol for LON	Yes
Supporting protocol for TCP/IP	Yes
Supporting protocol for PROFIBUS	Yes
Supporting protocol for CAN	Yes
Supporting protocol for Modbus	Yes
Input frequency tolerance	47 Hz

Environmental

Altitude	1000 m (3300 ft.) maximum without derating
Degree of protection (NEMA)	1
Operating temperature	45 °C @ 540V DC
Storage temperature	-40 °C
Relative humidity	5...95% noncondensing

