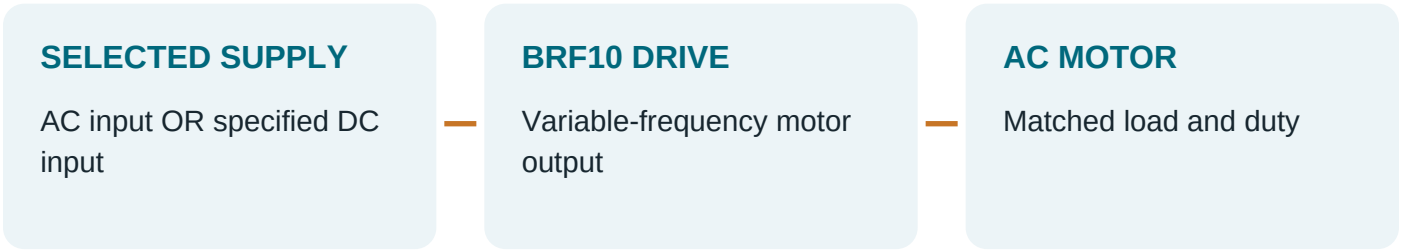


Allen-Bradley 1336F-BRF10-AA-EN

01 Identity and power path

Allen-Bradley 1336F-BRF10-AA-EN is an A1-frame 1336 PLUS II adjustable-frequency drive with a 0.75 kW / 1 HP constant-torque rating, a 380-480 V AC input class and an IP20 enclosure.

1336F	1336 PLUS II family
BR	380-480 V AC or 513-620 V DC input class
F10	0.75 kW / 1 HP constant-torque power
AA	IP20 / NEMA Type 1 enclosure
EN	English language group



CONTROL CHOICE
Use sensorless vector or V/Hz operation with the validated motor and parameter setup.

IDENTITY BOUNDARY
The catalog code does not identify an installed HIM, network card or firmware revision. Preserve those separate records.

Allen-Bradley 1336F-BRF10-AA-EN

02 Duty-specific electrical data

Constant torque and variable torque

CT supply / power	380-480 V AC / 0.75 kW (1 HP)
CT input	1.7-2.1 kVA / 2.6 A
CT output	1.7 kVA / 2.1 A
VT at 480 V: input	2.2 kVA / 2.8 A
VT at 480 V: output	1.8 kVA / 2.3 A
VT at 400 V: input	1.8 kVA / 2.8 A
VT at 400 V: output	1.8 kVA / 2.55 A

DO NOT MIX THE CURRENT ENTRIES

2.1 A belongs to CT output. The VT output values are voltage-specific and do not redefine the F10 CT motor rating.

Supply and programmable output

Input voltage code	BR: 380-480 V AC or 513-620 V DC
Full-rated AC supply	Three-phase; A/B-frame single-phase use requires 50% derating
AC input frequency	47-63 Hz
Input voltage tolerance	-10% of minimum / +10% of maximum
Output frequency	0-400 Hz

Allen-Bradley 1336F-BRF10-AA-EN

03 Operating envelope and interfaces

Output voltage	0 to rated voltage
A/B-frame PWM carrier	2-8 kHz; drive rating is based on 4 kHz
CT overload capability	150% for 1 minute
VT overload capability	115% for 1 minute
Acceleration / deceleration	Two independently programmable sets, 0-3600 s

Enclosure and protective thresholds

IP20 operating temperature	0 to 40 C
Storage temperature	-40 to 70 C
Relative humidity	5-95%, non-condensing
Altitude without derating	1000 m maximum
AC overvoltage / undervoltage trip	570 V / 280 V for the 380-480 V class
DC bus overvoltage / undervoltage trip	810 V / 400 V
Nominal DC bus voltage	648 V

A1 TERMINAL SCOPE

Connect the documented input and motor paths with protective grounding. TB4/TB6 auxiliary terminal descriptions start at B frames; TB9 is an F-frame arrangement.

STORED ENERGY

Before drive access, remove power and measure 0.0 V DC across the TB1 bus terminals. A stop command is not proof of a discharged bus.

Allen-Bradley 1336F-BRF10-AA-EN

04 Engineering decisions

Which supply arrangements does BR permit on 1336F-BRF10-AA-EN?

BR identifies 380-480 V AC or 513-620 V DC. These are alternative input arrangements, not two simultaneous supply connections; F10 identifies the 0.75 kW / 1 HP constant-torque rating.

Does the AA enclosure on 1336F-BRF10-AA-EN include the AE EMC designation?

No. AA identifies IP20 / NEMA Type 1. AE is a separate EMC enclosure code, so the AA marking must not be presented as an AE configuration.

Does EN on 1336F-BRF10-AA-EN establish an installed HIM or network card?

EN selects the English language group. HIM and communication selections use separate option codes; identify any installed option from the actual unit and its configuration record.

Which output current belongs to the constant-torque BRF10 rating?

Use 2.1 A for constant-torque output. Variable-torque output is listed separately as 2.3 A at 480 V or 2.55 A at 400 V; those figures must not replace the constant-torque value.

How can parameter 61 help identify a BRF10 drive?

Drive Type is read-only, and the BRF10 entry is 8707. Use that identification alongside the complete catalog marking; it does not establish the installed option cards or firmware revision.

Before returning the motor to service

Identity	BRF10 marking and read-only Drive Type 8707
Setup	Motor, duty, installed options and ramp settings
Status	Review the fitted interface and any present drive faults

Allen-Bradley 1336F-BRF10-AA-EN

05 Selection checks and portfolio

Can the A1 BRF10 keep its full three-phase rating on a single-phase AC supply?

No. A/B-frame single-phase operation requires 50% derating. The full-rated three-phase current table is not a single-phase rating.

Why should the IP00 ambient limit not be copied to 1336F-BRF10-AA-EN?

The AA enclosure is IP20, whose operating ambient range is 0 to 40 C. The 0 to 50 C range belongs to the open IP00 arrangement.

Which auxiliary terminal descriptions do not apply to the BRF10 A1 frame?

TB4/TB6 auxiliary terminals are described for B frames and larger, while TB9 is for F frames. Do not assign either larger-frame arrangement to an A1 drive.

MANUFACTURER SOURCE

1336 PLUS II Adjustable Frequency AC Drive User Manual

1336 PLUS-5.3, September 2005

Catalog decoding and A1/BRF10 entries are used with the applicable common drive limits. Installed options and the physical unit's firmware revision remain separate verification items.

Explore the 1336 portfolio

Product navigation only. These items are not declared compatible replacements for BRF10.

[View Allen-Bradley 1336-PB-SP5A page](#)

[View Allen-Bradley 1336-PB-SP23C page](#)

[View Allen-Bradley 1336-QOUT-SP19A page](#)

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1336F-BRF10-AA-EN