



**Description**

The Bulletin 1365 converts single phase AC line power to adjustable DC power for controlling either the speed or torque of permanent magnet or wound field 1/4 through 2 HP DC motors. The 1365 drive is available in a wide array of application specific configurations as detailed in the following Catalog Number Explanation:

**Contents**

<u>Description</u>	<u>Page</u>
<b>Catalog Number Explanation</b> .....	<b>269</b>
<b>Motor Catalog Number Nomenclature</b> .....	<b>270</b>
<b>Product Selection</b> .....	<b>270</b>
Fuse Kits .....	270
Motors .....	270
Tachometer Kit .....	270
Isolation Transformers .....	271

**Catalog Number Explanation**

An explanation of the catalog numbering system for the 1365 DC Drive is presented here:

<b>1365</b>	<b>S</b>	<b>A</b>	<b>N</b>
<b>Bulletin Number</b> The Allen-Bradley reference number identifying the type or family of products	<b>Control Type</b> The First character identifies the control option as follows: S=Speed Control P=Process Control T=Torque Control	<b>Drive Rating</b> The second character specifies the drive rating a= 115/230 Volt	<b>Options</b> The third character identifies the packaging option for the Bulletin 1365. N=Chassis Construction F=Nema Type 4/12

Allen-Bradley Drives

**Motor Catalog Number  
Nomenclature**

An explanation of the catalog numbering system for the Bulletin 1365 DC Motor is presented here:

<b>1365</b>	<b>–</b>	<b>X</b>	<b>YYY</b>	<b>S17</b>	<b>FC</b>	<b>–</b>	<b>P</b>
Bulletin Number		E=90V Armature F=180V Armature	0.XX HP	Base Speed of 1750 RPM	Enclosure Type of Totally Enclosed, Fan Cooled		Provision to mount tachometer kit.

**Product Selection**

**Drives**

1/4 HP – 1 HP 115 VAC Input, 90 VDC Output

1/2 HP – 2 HP 230 VAC Input, 180 VDC Output

Catalog No.	Description	*
1365-SAN	1/4 - 2HP Basic Start/Stop Speed Input	
1365-PAN	1/4 - 2HP Basic Process Control	
1365-TAN	1/4 - 2HP Torque Regulation	
1365-SAF	1/4 - 2HP Basic Start/Stop Speed Input in NEMA 4/12	
1365-DAF	1/4 - 2HP Basic DB/Reversing in NEMA 4/12	
1365-PAF	1/4 - 2HP Basic Process Control in NEMA 4/12	
1365-TAF <sup>①</sup>	1/4 - 2HP Torque Regulation in NEMA 4/12	

**Fuse Kits**

All Drives (except 1365-DAF), require a fuse.

- For a fuse for user installation in the drive, order a fuse kit from the following table:
- For an external fuse, you must supply and install a class J 600V time delay fuse outside the drive.

Fuse Kit	*
1365 – Fu1 (Open Type)	
1365 – Fu2 (NEMA 4/12)	

**Motors — Permanent Magnet**

Catalog Number	HP	Armature Voltage	*
1365-ME025S17FC-P	1/4	90	
1365-ME033S17FC-P	1/3	90	
1365-ME050S17FC-P	1/2	90	
1365-ME075S17FC-P	3/4	90	
1365-ME100S17FC-P	1	90	
1365-MF100S17FC-P	1	180	
1365-MF150S17FC-P	1.5	180	
1365-MF200S17FC-P	2	180	

**Tachometer Kit**

Catalog Number	Description	*
1365-RE007FC	7V/1000 RPM	
1365-RE020FC <sup>①</sup>	20V/1000 RPM	

① 1365 — Must use an Isolation Transformer — Refer to Catalog Numbers 1321-1TXXX-DC.

### Isolation Transformers

240/480 - 120/240; 1 ph 60Hz, NEMA Type 1:

Catalog Number	Motor HP	Transformer KVA	*
1321-1T007-DC	1/4	0.75	
1321-1T007-DC	1/3	0.75	
1321-1T015-DC	1/2	1.5	
1321-1T015-DC	3/4	1.5	
1321-1T020-DC	1	2.0	
1321-1T030-DC	1.5	3.0	
1321-1T050-DC	2	5.0	

