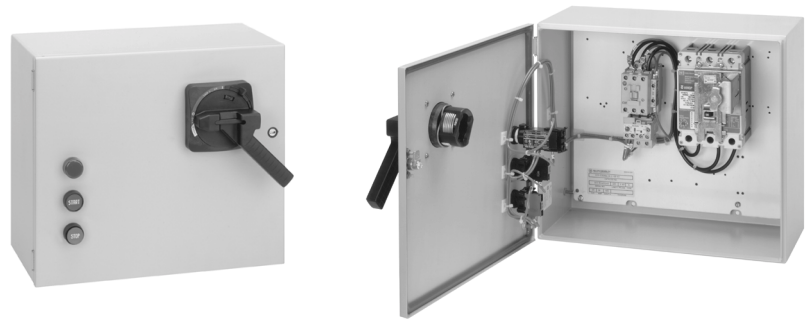

Cat. No. 113-C30FBA1H-4R-43
IP66 (Type 3,4,12) Metal Enclosure with Hinged Cover

Bulletin 113

- **Compact Design**
- **Can Be Modified in the Field**
- **Selection of Enclosures**
  - **IP42 (Type 1)**
  - **IP66 (Type 3/4/12)**
- **Bimetallic Class 10 Overload Relays**
- **Solid-State Overload Relays**
- **Handle Defeater Mechanism**
- **Padlockable Handle with up to Three Padlocks**
- **Adjustable Instantaneous Trip Circuit Breaker**

TABLE OF CONTENTS

Description	Page	Description	Page
Product Selection	3-78	**Modifications**	3-101
Accessories	3-89	**Approximate Dimensions**	3-105 and 3-108

Description

Bulletin 113 combination starter consists of a Bulletin 100 contactor, Bulletin 193 bimetallic (Class 10) or solid-state overload relay and a motor circuit protector installed in a common enclosure. These full-voltage combination starters are designed to provide the disconnecting means, short-circuit protection, control and overload protection for three-phase squirrel-cage motors. All starters include a normally open auxiliary contact as standard.

Conformity to Standards:

IEC 947
VDE 0660
CSA 22.2
UL 508

Approvals:

cUL US

Your order must include:

- Cat. No. of the combination starter selected.
- Coil Voltage Code.
- Overload Relay Suffix Code.
- If required, factory-installed modifications suffix code.
- If required, Cat. No. of any accessories.

Circuit Breaker Type - AC Operated

Max I_e [A]	Ratings (AC3, AC4) HP ❶ 3∅ 200V	230V	460V	575V	IP42 (Type 1) General Purpose Sheet Metal Enclosure (Hinged Cover) Cat. No.	IP66 (Type 3/4/12) Watertight, Dusttight Sheet Metal Enclosure (Hinged Cover) Cat. No.
30	1/2	1/2	—	—	113-C30A⊗✪-33	113-C30F⊗✪-33
	3/4…1	3/4…1	1/2…1	—	113-C30A⊗✪-35	113-C30F⊗✪-35
	—	—	—	1/2…1-1/2	113-C30A⊗✪-36	113-C30F⊗✪-36
	1-1/2…3	1-1/2…3	1-1/2…3	2…3	113-C30A⊗✪-38	113-C30F⊗✪-38
	5	—	—	—	113-C30A⊗✪-39	113-C30F⊗✪-39
	7-1/2	5…7-1/2	5…7-1/2	—	113-C30A⊗✪-40	113-C30F⊗✪-40
	—	10	—	5…10	113-C30A⊗✪-41	113-C30F⊗✪-41
	—	—	10	—	113-C30A⊗✪-42	113-C30F⊗✪-42
	—	—	20	15…20	113-C30A⊗✪-43	113-C30F⊗✪-43
	—	—	—	25	113-C30A⊗✪-44	113-C30F⊗✪-44
43	7-1/2…10	10	—	—	113-C43A⊗✪-41	113-C43F⊗✪-41
	—	15	—	—	113-C43A⊗✪-42	113-C43F⊗✪-42
	—	—	20…25	—	113-C43A⊗✪-44	113-C43F⊗✪-44
	—	—	30	25…30	113-C43A⊗✪-45	113-C43F⊗✪-45
60	15	—	—	—	113-C60A⊗✪-42	113-C60F⊗✪-42
	—	15…20	—	—	113-C60A⊗✪-43	113-C60F⊗✪-43
	—	—	40	40	113-C60A⊗✪-46	113-C60F⊗✪-46
72	15…20	—	—	—	113-C72A⊗✪-43	113-C72F⊗✪-43
	—	20…25	—	—	113-C72A⊗✪-44	113-C72F⊗✪-44
	—	—	40…50	—	113-C72A⊗✪-47	113-C72F⊗✪-47
	—	—	—	40…60	113-C72A⊗✪-48	113-C72F⊗✪-48
110	20…25	—	—	—	113-B110A⊗✪-44	113-B110F⊗✪-44
	30	15…30	—	—	113-B110A⊗✪-45	113-B110F⊗✪-45
	—	40	—	—	113-B110A⊗✪-46	113-B110F⊗✪-46
	—	—	50…60	—	113-B110A⊗✪-48	113-B110F⊗✪-48
	—	—	75	60…75	113-B110A⊗✪-49	113-B110F⊗✪-49
	—	—	—	100	113-B110A⊗✪-50	113-B110F⊗✪-50
180	30…40	—	—	—	113-B180A⊗✪-46	113-B180F⊗✪-46
	50	40…50	—	—	113-B180A⊗✪-47	113-B180F⊗✪-47
	60	60	—	—	113-B180A⊗✪-48	113-B180F⊗✪-48
	—	—	75…100	—	113-B180A⊗✪-50	113-B180F⊗✪-50
	—	—	125	100…125	113-B180A⊗✪-51	113-B180F⊗✪-51
	—	—	150	150	113-B180A⊗✪-52	113-B180F⊗✪-52
250	75	75	—	—	113-B250A⊗✪-49	113-B250F⊗✪-49
	—	100	—	—	113-B250A⊗✪-50	113-B250F⊗✪-50
	—	—	200	200	113-B250A⊗✪-54	113-B250F⊗✪-54
	—	—	—	250	113-B250A⊗✪-56	113-B250F⊗✪-56

⊗ Coil Voltage Code

The Cat. No. as listed is incomplete. Select a Coil Voltage Code from the table below to complete the Cat. No. Example: **Cat. No. 113-C30A⊗✪-33** becomes **Cat. No. 113-C30AB✪-33**.

Voltage		208V	230…240V	460…480V	575…600V
Common Control ❷ Coil Voltage Code	60 Hz	H	A	B	C
120V — Separate Control (without transformer) Coil Voltage Code		HD	AD	BD	CD

✪ Overload Relay Code

The Cat. No. as listed is incomplete. Select an overload relay code from page 3-87 or 3-88.

❶ For design “E” motor applications, consult the factory.

❷ When selecting a factory-installed control circuit transformer (see Modifications page 3-98), use the Common Control Coil Voltage Code to denote the transformer primary voltage. The starter coil and transformer secondary voltage will both be 120V by default. Example: **Cat. No. 113-C30FB3✪-6P** will have a transformer with a 480V primary/120V secondary and a 120V starter coil. If a starter coil voltage other than 120V is desired, a second Coil Voltage Code must be added to denote the coil/transformer secondary voltage. Example: **Cat. No. 113-C30FBJ✪-6P** will have a transformer with a 480V primary/24V secondary and a 24V starter coil.

Accessories — Page 3-89
Modifications — Page 3-101
Approximate Dimensions — Page 3-105 and 3-108