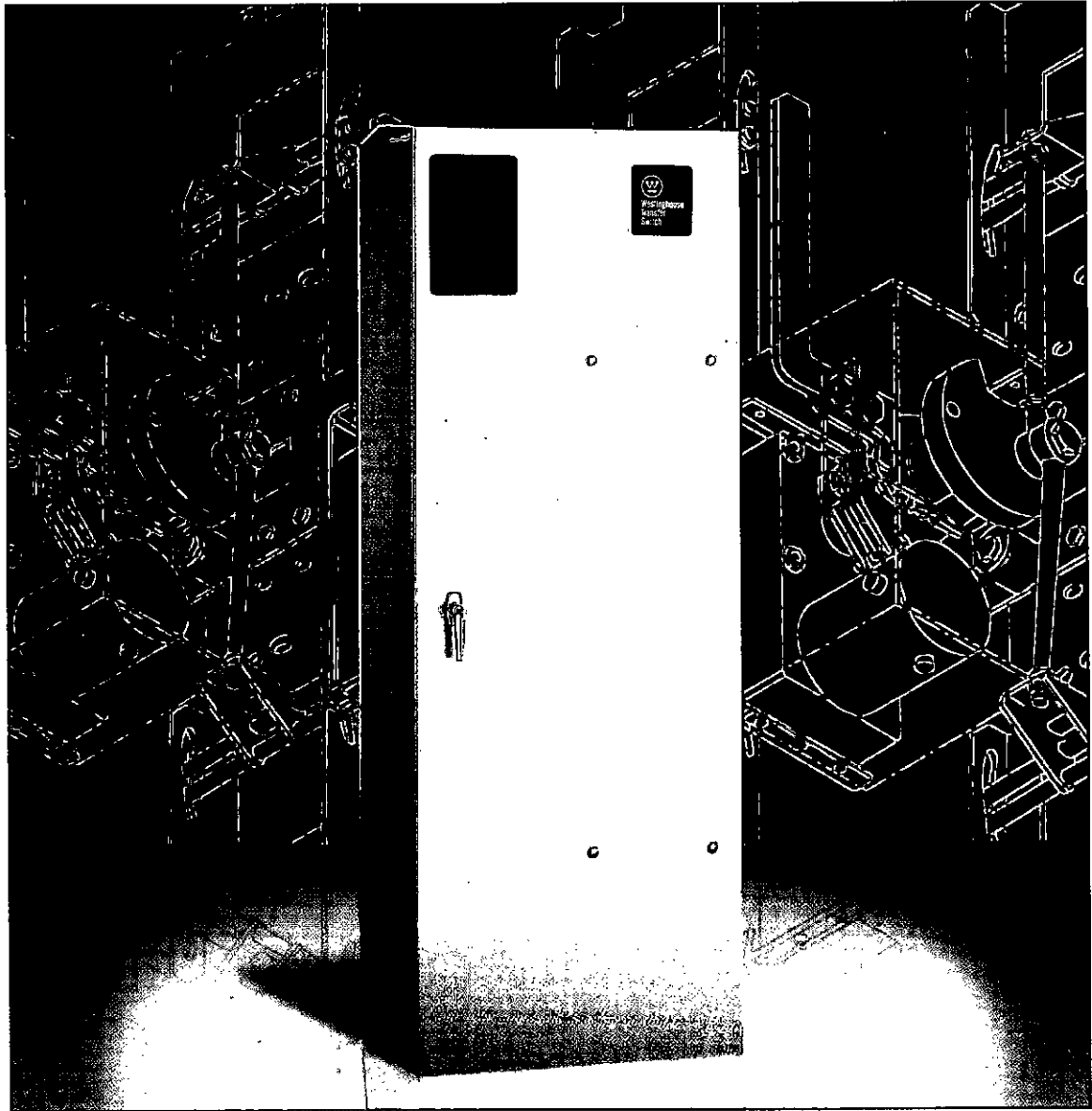


## Westinghouse Transfer Switch Equipment

Automatic, Manual and Non-Automatic  
Transfer Switches  
Vertical Design  
150 - 1000 Amperes

A comprehensive ordering guide to our all-new line of vertically designed transfer switches. Full product data for available switches, features and options permits you to configure a complete, enclosed transfer switch for any application.



**Cutler-Hammer**

**EAT•N**

# Westinghouse Transfer Switch Equipment

# Switch Application Section

Introducing our new vertically designed transfer switches. We believe that our new product continues to offer the excellent value you have come to know, and even offers new features not available before. These switches will be even easier to apply. This design includes all molded case transfer switches (150-1000 amperes) except for the Bypass/Isolation Switches and the Maintenance Bypass Switches.

New Westinghouse vertically designed switches meet or exceed all industry standards for endurance, reliability and performance. They are listed under Underwriters Laboratories UL 1008 Standard for Transfer Switch Equipment. With certain options they also comply with emergency and standby system requirements as defined in NFPA 99 for health care facilities.

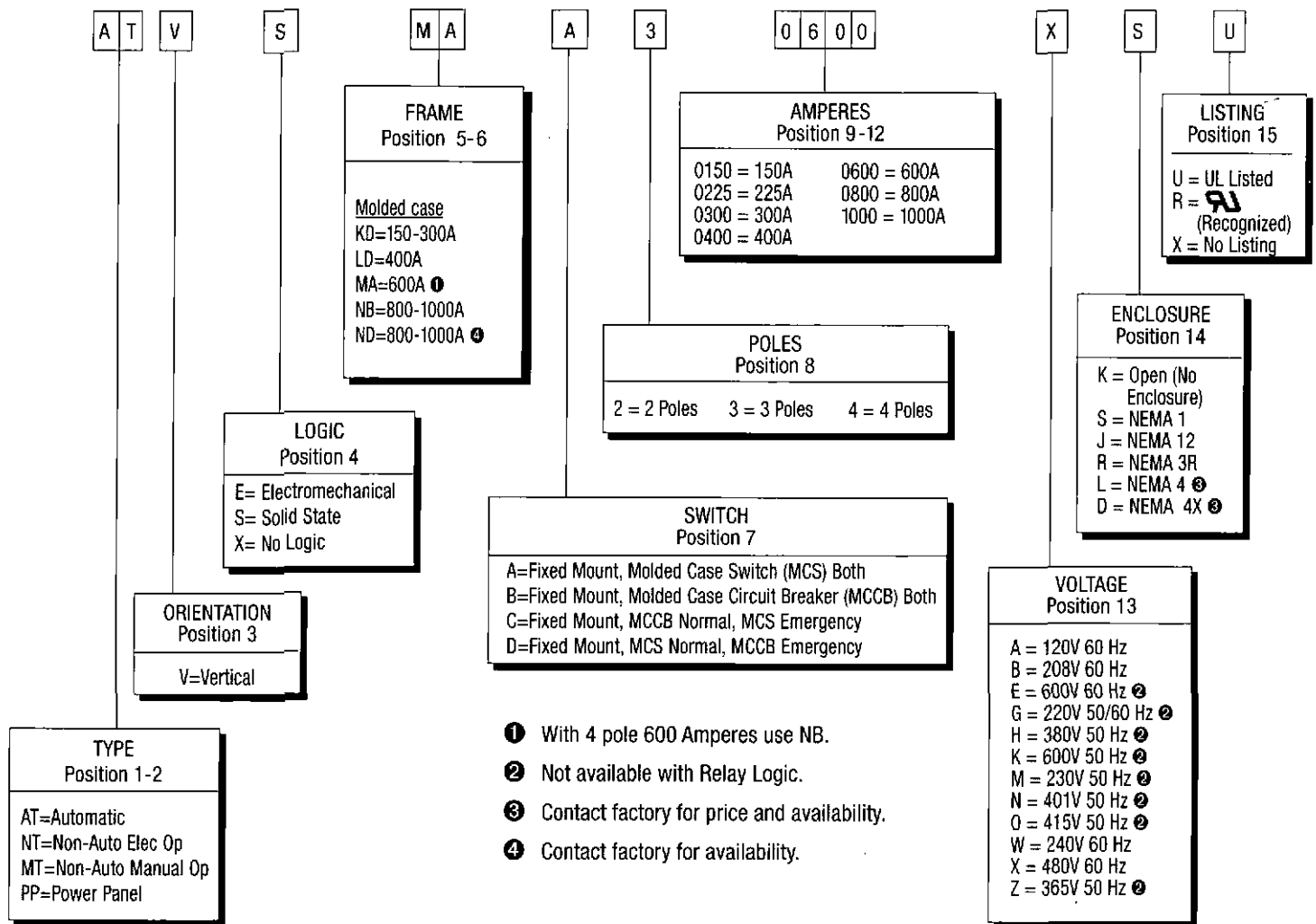
Westinghouse Transfer Switch Equipment offers flexibility and versatility to the system designer and user. All switches include the basic features necessary for normal operation as standard (see listing below). Westinghouse also offers an extensive array of optional features/accessories that allows the user to customize a new transfer switch

to any particular application. The customization process is simple. Fill in the appropriate catalog number for the application. Then choose any optional features/accessories needed to complete the project requirements (see Solid State Logic Sales Aid or Relay Logic Sales Aid).

For example, if you were to order the following:

**Solid State Logic Automatic Transfer Switch, 480 Volts, 60 Hz, 3 phase, 4 wire, 3 pole, 600 Amperes NEMA 1 enclosure, UL Listed**

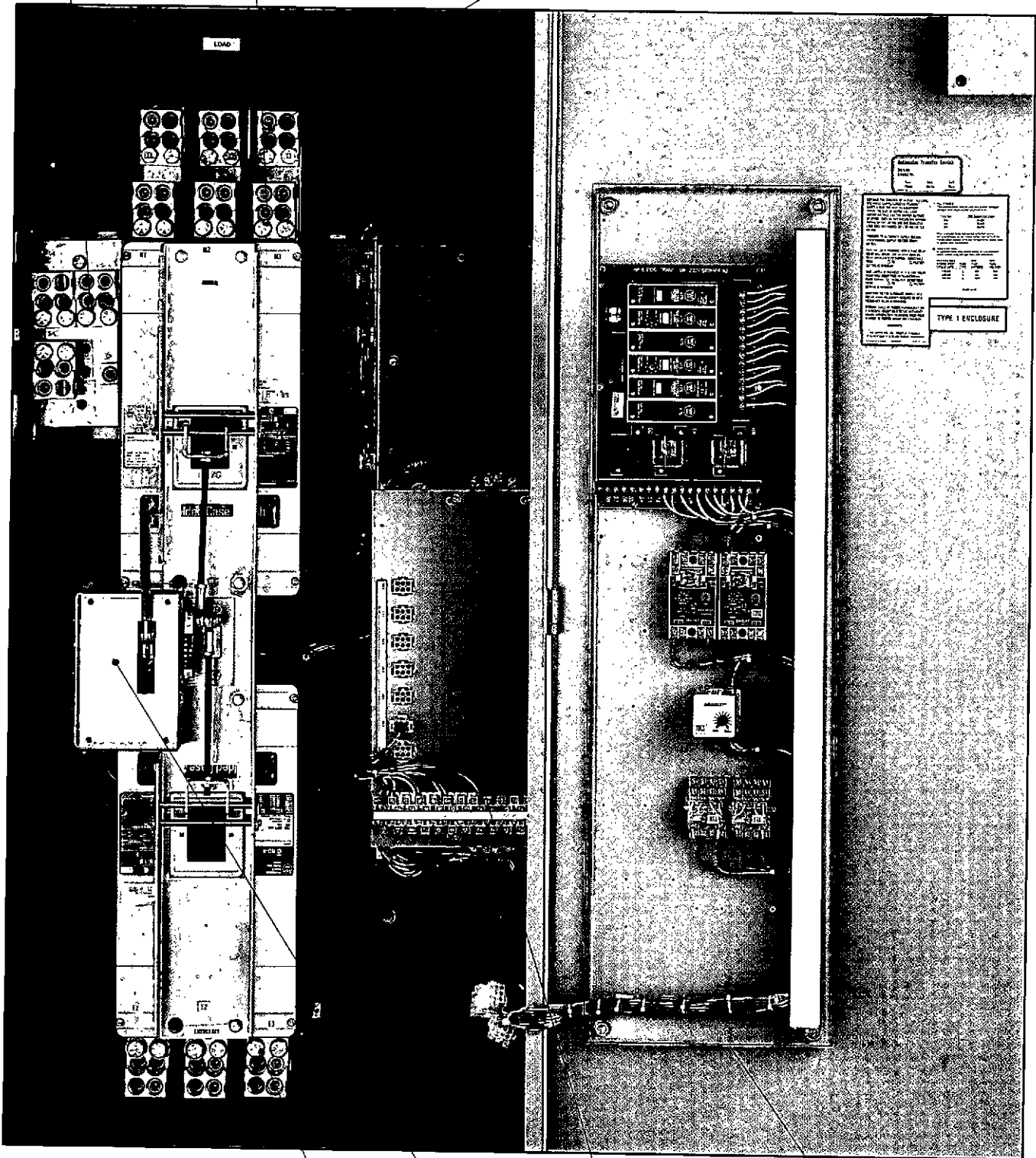
The ordering catalog sequence would be: **ATVSMMAA30600XSU**



Solid Neutral

Normal Connections

Load Connections



Interior of ATVSNDA30800XSU (Deadfront removed)

Transfer Mechanism

Logic Panel

Emergency Connections

Transformer Panel

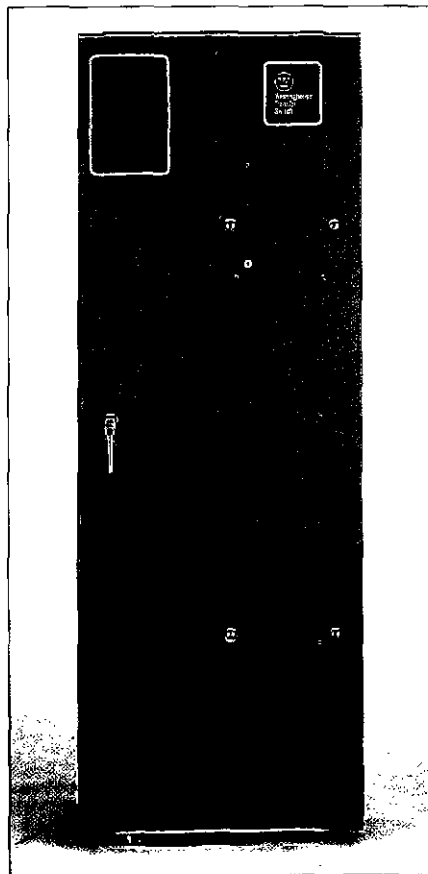
# Dimensions & Weights

**LOGIC PANEL** 38"H X 11"W X 6.5"D  
**TRANSFORMER PANEL** 28.63"H X 8.25"W X 5.5"D

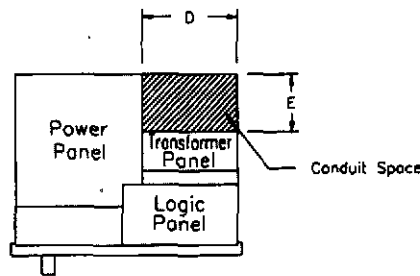
Breaker Type	POWER PANEL			ENCLOSURE			CONDUIT SPACE			BOLT PATTERN	
	Height	Width	Depth*	Height	Width	Depth**	Width	Depth	Bending	Horizontal	Vertical
				A	B	C	D	E	F	G	H
KD (150-225A)	24.50"	11.88"	17.5"	44"	21"	19.63"	8"	4.00"	6"	11.00"	42.86"
KD (300A)	24.50"	11.88"	17.5"	52"	21"	19.63"	8"	4.00"	9"	11.00"	50.86"
LD (400A)	26.00"	16.88"	17.5"	61"	26"	19.63"	8"	4.00"	11"	16.00"	59.86"
MA (600A)	36.25"	16.88"	17.5"	73"	26"	20.63"	8"	4.75"	12"	16.00"	71.86"
NB (800A)	36.25"	16.88"	19.0"	73"	26"	20.63"	8"	4.75"	12"	16.00"	71.86"
NB (1000A)	36.25"	16.88"	19.0"	79"	26"	20.63"	8"	4.75"	15"	16.00"	77.86"
ND (800A)	36.25"	16.88"	19.0"	73"	26"	20.63"	8"	4.75"	12"	16.00"	71.86"
ND (1000A)	36.25"	16.88"	19.0"	79"	26"	20.63"	8"	4.75"	15"	16.00"	77.86"

\*Depth includes the interior handle extended.

\*\*Enclosure Depth includes the exterior (or door) handle.

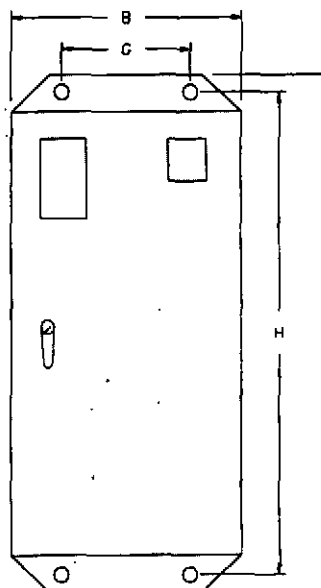


**Catalog Number: ATVSNDA30800XSU**  
**800A, 3 pole, Solid State Logic Transfer Switch**

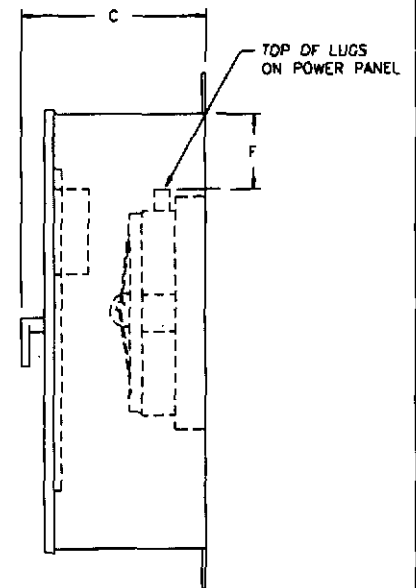


**Typical Footprint View**

Approximate Shipping Weight (lbs.)	
150-300A	380
400A	430
600A	525
800-1000A	610



**Typical Front View**



**Typical Side View**

# New Features / Benefits

## PROFILE

The new vertically designed Transfer Switch offers a more compact arrangement of components that allows significant space savings over previous designs. In addition to the vertically arranged power panel, all other elements of the transfer switch have been redesigned to improve space utilization.

## OPERATING MECHANISM

The Operating Mechanism for the Power Switching Panel utilizes a motor driven, linear actuator designed for years of reliable performance. The design allows for easy verification of switch position.

## FEEDERS

The new design has the Normal Line Connections facing the top of the enclosure, while the Emergency Line Connections face the bottom. The Load Connections normally face the top, but they can be field-adjusted to face the bottom for convenience during installation.

## NEUTRALS

A fully rated solid neutral is provided for all 2 and 3 pole switches. All 4 pole switches are supplied with switched neutral contacts of identical construction and rating as the power poles. They are mounted on the power contact shaft with the enclosed contact assemblies.

## SAFETY & RELIABILITY

The Switching Mechanism utilizes completely enclosed contact assemblies that offer both added safety and integrity. The mechanism is safe to manually operate under FULL LOAD conditions and has two levels of interlocking to prevent any chance of paralleling the two sources.

## COMPLIANCE TO STANDARDS

The new vertically designed transfer switches meet or exceed the requirements of UL 1008. All UL Listed transfer switches must meet this standard. The requirements of UL 1008 only require initial testing of the power switching contacts and do not mandate further testing. Our transfer switches are also tested to UL 1087 (Standard for Molded Case Switches) or UL 489 (Standard for Circuit Breakers). These standards DO REQUIRE periodic retesting of the power switching contacts with an independent testing facility. This ensures the customer that our product is and always will be built to the highest standards.

## SYSTEMS COORDINATION INFORMATION ① ②

STANDARD WITHSTAND, CLOSING & INTERRUPTING RATINGS (See Notes)

Rating when used with upstream breaker (kA)

Rating when used with upstream fuse (kA)

Ampere Rating	240V	480V	600V
150	100	65	25
225	100	65	25
300	100	65	25
400	100	65	25
600	65	50④	25
800	65	50④	25
1000	65	50④	25

Max. Fuse Rating	Fuse Type ③	480V
400	J, T	200
400	J, T	200
400	J, T	200
600	J, T	200
800/1200	J, T	100/200
1200/1600	L	100/200
1600	L	200

Notes:

- ① Tested in accordance with UL 1008.
- ② For maximum breaker ratings in circuits where the Transfer Switch is evaluated as a "motor branch circuit conductor" refer to the NEC Section 430-25 for sizing.
- ③ Also can use Class RK5 fuse with 100kA rating.
- ④ 4 Pole units are rated 35kA.

