

## ORDERING INFORMATION

**PART NUMBER :**

a	ES	u	v	w	x	y
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a	45	Suitable for use with Incoming Power Supply 3 Phase 415 VAC, 50 Hz
u	075	3.7 KW upto 7.5 KW
	150	Above 7.5 KW upto 15 KW
	225	Above 15 KW upto 22.5 KW
v	C1	Circuit 1 - Manual Door with Retiring Cam
	C2	Circuit 2 - 3 Phase Door Motor
	C3	Circuit 3 - VF Door Operator (1 Ph. Input to Drive)
	C4	Circuit 4 - DC Door Motor
w	AC	Safety Line Voltage 48 VAC
	DC	Safety Line Voltage 48 VDC
x	090	Brake Coil Voltage *  <i>* Brake Voltage is same as Retiring Cam Voltage for Manual Doors</i>
	110	
	135	
	230	
y	110	Door Motor / Operator Voltage
	200	
	230	
	415	

<b>Case</b>	45	ES	075	C2	AC	90	415
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**Foot Note**

- *Ensure that Motor<sub>I</sub>max is Not Exceeded*

**Case** VF Motor Rated 6.7 KW @ 340 VAC  
Select E-Shield (45ES150-) as  $6.7 \times (415/340) = 8.2 \text{ KW}$
- *Voltage adjustments can be made using the Transformer Tap & Rheostat.*
- *Preferred Safety-Line Voltage-Type of E-Shield is same as Safety-Line Voltage-Type of Controller i.e. AC or DC*

## PRODUCT SPECIFICATIONS

### SUITABLE FOR USE WITH POWER SUPPLY 415V, 50 HZ

ELECTRICAL CHARACTERISTICS	MODEL 45ES					
	45ES075-		45ES150-		45ES225-	
Main Motor Output (Max)	KW	HP	KW	HP	KW	HP
	7.5	10	15	20	22.5	30
Protection : Motor_I_Max	18 Amps		36 Amps		54 Amps	
Protection : BR_DO_I_Max	7.5 Amps		11 Amps		19 Amps	
Brake Coil VA (Max)	250					
Retiring Cam Coil VA (Max)	125					
Max. Door Motor VA (Max)	125					
Incoming Supply Voltage	3 Phase, 350 to 450 VAC					
Incoming Supply Frequency	45 to 55 Hz					
Ambient Operating Temperature	0°C to 45°C					
No. of Operations	4- 5 nos. / Hr in fully charged battery condition					
Battery Rating	7AH, 12V	17AH, 12V	17AH, 12V	17AH, 12V		
ARD Operating Voltage	48 VDC ( 4 nos X 12V Battery Voltage)					