



# Direct on-line & Star - Delta Motor Starter

With ISI Marked Contactors & Relays



## SALIENT FEATURES

- Trouble free noiseless operation
- Longer life of contact under severe condition due to silver alloy contacts.
- Easy access to Main & Aux. contacts, coil etc for inspection and replacement.
- Wide range of coil voltage available
- Spare kit containing Main and Aux. contacts available at nominal price.
- Dust & Vermin proof enclosure having elegant look.
- Earthing terminal is provided for safety measures.
- Ambient temperature compensated thermal O/L relay for Accurate and Reliable Operations.

## 1) Direct On-Line Motor Starters :

Type of DOL Starter/ Cat. No.	Enclosure Size	3-ph. Motor Rating (HP)	Type	Contactor Current Rating (A)	Coil Voltage (V)	Thermal Overload Relay		Terminal Capacity	Back-up HRC Fuses
						Type	Range (A)		
PC 1.5 DOL SK10119 A	I	10	PC 1.5	25 A	220,	PC1	11 to 18	Wires : Upto 2 X 10 mm <sup>2</sup> Lugs : Upto 16 mm <sup>2</sup>	32 A
					230/240, 360, 415 V AC				
		12.5	-do-	-do-	-do-	PC 2/3	13 to 21		63 A
		15	-do-	-do-	-do-	-do-	20 to 32		63 A
PC 2 DOL / SK10120	I	17.5	PC 2	32 A	-do-	PC 2/3	20 to 32	Wire : upto 2 X 25 mm <sup>2</sup>	63 A
		20	-do-	-do-	-do-	-do-	-do-	-do-	63 A
PC 3 DOL / SK10121	I	25	PC 3	40 A	-do-	PC 2/3	28 to 42	Lugs : Upto 50 mm <sup>2</sup>	80 A
		30	-do-	-do-	-do-	-do-	-do-	-do-	80 A
PC 4 DOL / SK10122	II	35	PC 4	70 A	-do-	PNR 5	30 to 50	Lugs : Upto 50 mm <sup>2</sup>	125 A
		40	-do-	-do-	-do-	-do-	45 to 75		125 A
		45	-do-	-do-	-do-	-do-	-do-		-do-
PC 6 DOL / SK10134	II	50	-do-	-do-	-do-	-do-	-do-	-do-	125 A
		60	PC 6	110 A	-do-	PNR 5	66 to 110 A	Lugs : Upto 50 mm <sup>2</sup>	160 A
		75	PC 6	110 A	-do-	PNR 5	66 to 110 A		160 A



PC 1.5 DOL



PC 2 DOL



PC 4 DOL



PC 2 FASD



PC 3 FASD



PK 1 FASD

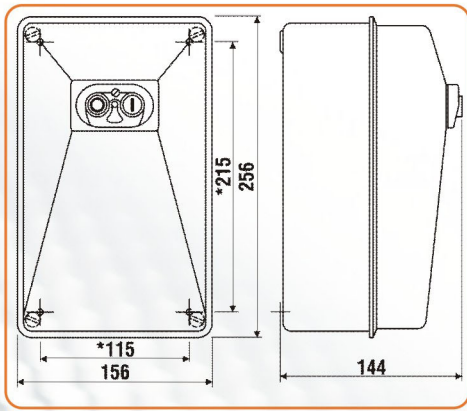
## 2) Star-Delta Motor Starters :

Type of Starter/ Cat. No.		Enclosure Size	3-Ph Motor Rating (HP)	Contactors Qty. X Type	Thermal Overload Relay		Timer Type	Terminal Capacity	Backup HRC Fuses Recommended
Fully Automatic	Semi Automatic				Type	Range (A)			
PK 1 FASD/ SK10126	PK 1 SA	III	3	3 Nos x PK 1	PK 1	2.5 to 4	PK 1 Thermal without coil	Wires:Upto 6 mm <sup>2</sup>	32 A
			4	-do-	-do-	2.5 to 4			
			5	-do-	-do-	4 to 6.5			
			6	-do-	-do-	4 to 6.5			
			7.5	-do-	-do-	6 to 10			
			10	-do-	-do-	6 to 10			
			12.5	-do-	-do-	9 to 14			
PC 1.5 FASD/ SK10127	PC 1.5 SA	IV	20	2 Nos. x PC 1.5 1 No. x PC 1	PC 2/3	13 to 21	PK 1-100  Thermal With Coil	Wires:Upto 2 X 10 mm <sup>2</sup> Lugs:Upto 16 mm <sup>2</sup>	63 A
			25	-do-	-do-	-do-			
PC 2 FASD/ SK10128	PC 2 SA	V	30	3 Nos. x PC 2	PC 2/3	20 to 32	PK 1 Thermal Without Coil	Wires:Upto	80 A
			35	-do-	-do-	-do-			
PC 3 FASD/ SK10129	PC 3 SA	V	40	1 Nos. x PC 2 2 Nos. x PC 3	PC 2/3	28 to 42	PPET 100 (Electronic)	2 X 25 mm <sup>2</sup> Lugs : Upto 50 mm <sup>2</sup>	100 A
			45	-do-	-do-	-do-			
			50	-do-	-do-	-do-			
PC 4 FASD/ SK10130		VI	60	1 Nos. x PC 3 2 Nos. x PC 4	PNR 5	30 to 50	PPET 100 (Electronic)	Lugs : Upto 50 mm <sup>2</sup>	125 A
			65	-do-	-do-	45 to 75			
			70	-do-	-do-	-do-			
			75	-do-	-do-	-do-			
PC 6 FASD/ / SK10131		VI	90	1 Nos. x PC 4 2 Nos. x PC 6	PNR 5	66 to 110	PPET 100 (Electronic)	Lugs : Upto 95 mm <sup>2</sup>	160 A
			100	-do-	-do-	-do-			
			125	-do-	-do-	-do-			
PC 10 FASD* / SK10132	-	VII	150	3 Nos. X PC 10	90	150	PPET 100	Lugs : Upto 240 mm <sup>2</sup>	250
			175		90	150			250
			200		135	225			315
			250		135	225			400
PC 12 FASD* / SK10133	-	VII	275	2 Nos. X PC 12	135	225	PPET 100	Upto 240 mm <sup>2</sup>	400
			300	1 Nos. X PC 10	180	300			500
			400		180	300			500

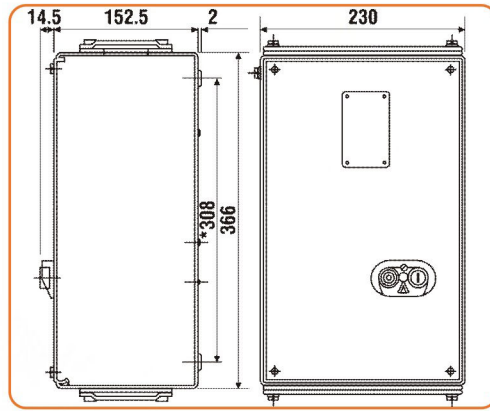
Note : Overload relay should be set at values  $\frac{I_n}{\sqrt{3}}$  where  $I_n$  is full load current of the motor.

\* Contactors & Relays as per IS only

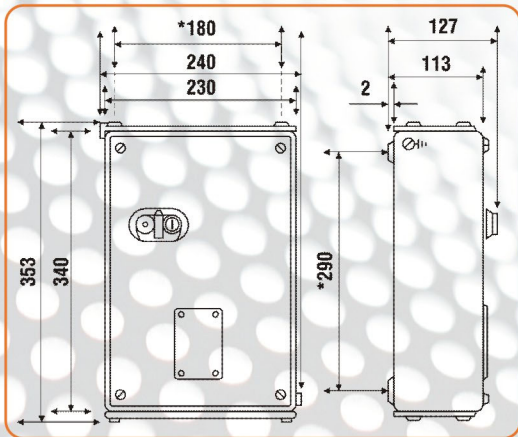
Dimensions in mm



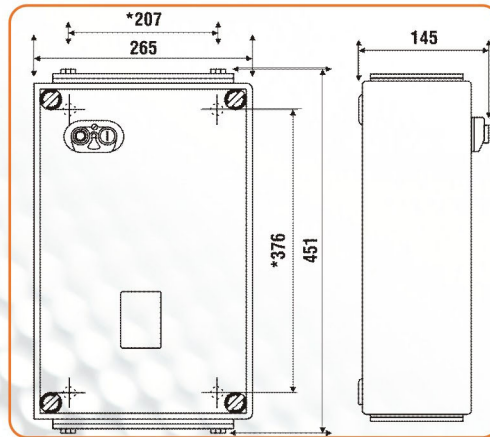
PC 1.5 / PC 2 / PC 3 DOL



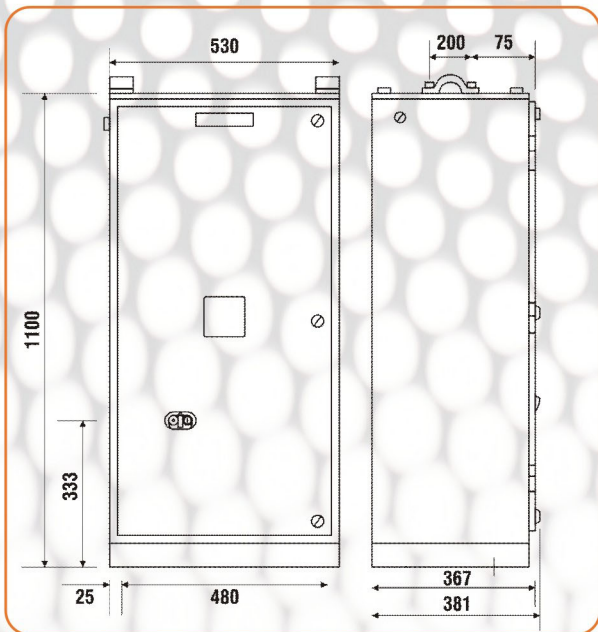
PC 4 DOL



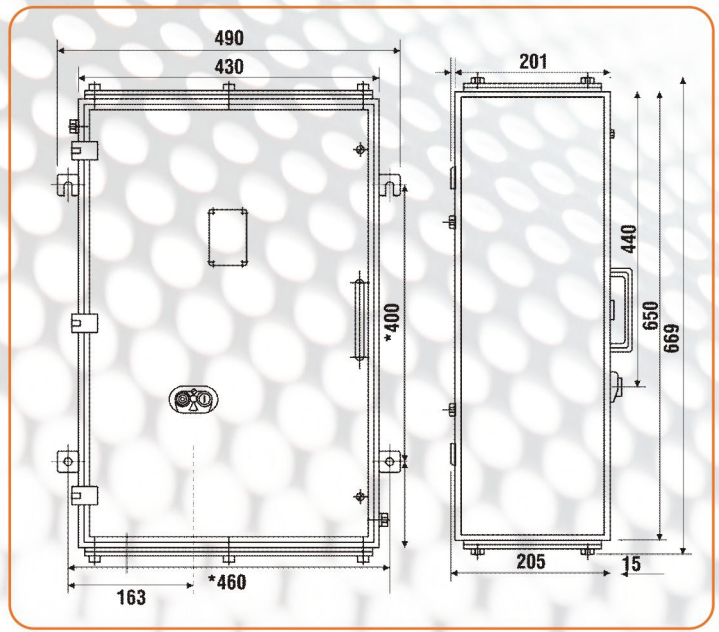
PC 1.5 (FASD & SASD)



PC 2 / PC 3 (FASD & SASD)



PC 10 / PC 12 (FASD)



PC 4 / PC 6 (FASD)



**PECO INDUSTRIES**

14-15, Ramdev Industrial Estate, Nr. Gota Flyover, Gota Road, Ahmedabad-382481. Gujarat, India.  
 Phone: +91-2717-242327, 242812 Fax: +91-2717-241849 E-mail: peco@pecoindustries.com