

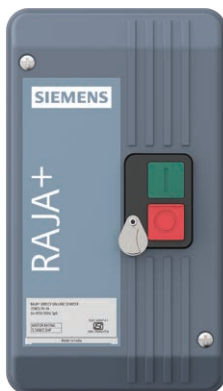
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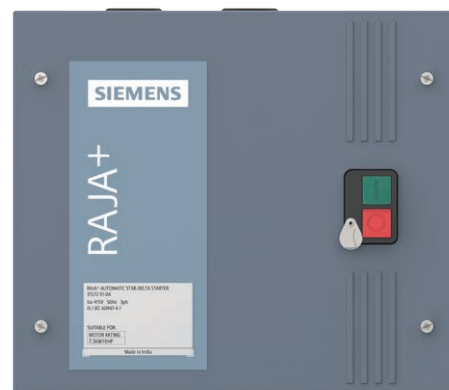
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RAJA+



Certified



Automatic Star Delta Starter

Technical details of RAJA+ (Direct on Line) Starter

Table A:

Motor Rating At 415V 3ph 50Hz		Starter Type	Contactor	Relay 3UW51		Back-up Fuse Rating		Cu Cable (mm ²) size	Max. Full Load Current (Amp)		
HP	kW			Range	Code ##	HRC type 3NA 7	Rewirable		3Ph, 415V, 4P Squirrel Cage IS 8789:1996 Table 4	3Ph, 415V, 2P Submersible motor IS 9283:1995 Table 2	1Ph, 240V, CSIR or Split-Phase IS 996-1979 Table 9
0.33	0.25	3TW72 91-1A* 64	3TS3010-0A##08KAO	0.63-1	0J	2A	36 SWG	1	-	-	3.8
0.75	0.55	3TW72 91-1A* 66	3TS3010-0A##08KAO	1-1.6	1A	6A	34 SWG	1	1.7	-	7
1	0.75	3TW72 91-1A* 68	3TS3010-0A##08KAO	1.6-2.5	1C	6A	27 SWG	1	2.2	-	7
1.5	1.1	3TW72 91-1A* 69	3TS3010-0A##08KAO	2-3.2	1D	10A	26 SWG	1	2.9	3.25	13
2	1.5	3TW72 91-1A* 71	3TS3010-0A##08KAO	3.2-5	1F	16A	25 SWG	1	3.8	4.5	18
3	2.2	3TW72 91-1A* 72	3TS3010-0A##08KAO	4-6.3	1G	16A	24 SWG	1.5	5.1	6.5	-
5	3.7	3TW72 91-1A* 74	3TS3010-0A##08KAO	6.3-10	1J	16A	21 SWG	1.5	8.1	10	-
7.5	5.5	3TW72 91-1A* 75	3TS3210-0A##08KAO	8-12.5	1K	25A	19 SWG	1.5	11.4	14.5	-
7.5	5.5	3TW72 91-1A* 77	3TS3210-0A##08KAO	10-16	2A	25A	18 SWG	2.5	-	-	-
10	7.5	3TW72 91-1A* 78	3TS3210-0A##08KAO	12.5-20	2B	32A	18 SWG	4	15.4	19.5	-

* Code for operating coil voltage, 50 Hz (B for 200-400V, W for 415V)

Code for operating coil voltage, 50 Hz (Z6 for 200-400V, R0 for 415V)

Technical details of Automatic Star Delta Starter

Table A: Automatic Star - Delta Starter Type Ref: 3TE7291-0A

Motor Output at 415V (kW/HP)	I(f) 4 Pole Squirrel cage motor		Contactor Line	Contactor Delta	Contactor Star	Recommended Overload relay at 50°C		Recommended Fuse Switch		Recommended Cu Cable size (mm ²)	
	Line current (A)	Phase current (A)				Type - Code	Relay Range (A)	Type	Back up HRC fuse rating (A)	Incoming (from supply)	Outgoing (to motor)
7.5/10	16	9.2	3TS32 10-0A*08K	3TS32 01-0A*08K	3TS32 10-0A*08K	3UW51 02-1J	6.3-10	3KL812	20	2.5	1.5
9.3/12.5	19.5	11.2	3TS32 10-0A*08K	3TS32 01-0A*08K	3TS32 10-0A*08K	3UW51 02-1K	8-12.5	3KL812	25	4	2.5
11/15	23	13.2	3TS32 10-0A*08K	3TS32 01-0A*08K	3TS32 10-0A*08K	3UW51 02-2A	10-16	3KL812	25	4	2.5
15/20	32	18.4	3TS33 00-0A*08K	3TS33 00-0A*08K	3TS32 10-0A*08K	3UW52 02-2B	12.5-20	3KL812	50	10	4
18.5/25	38.5	22.2	3TS33 00-0A*08K	3TS33 00-0A*08K	3TS32 10-0A*08K	3UW52 02-2C	16-25	3KL812	50	10	4

* Code for operating coil voltage 50 Hz (Z6 for 200-400V, R0 for 415V)

Availability of Agriculture starters in new design: DOL - 15th Dec. 2020 | ASD - 15th Feb. 2021

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