

| Range



Overview



Tried, Tested and Trusted Start with Siemens Agriculture Starters.

For more than 125 years, Siemens has been developing and manufacturing world-class, control products. Now Siemens offers a wide range of starters to cater to diversified demands from Agriculture Sector. These products are specially designed to provide smart, easy and reliable motor starting solution. They employ tried and tested Siemens contactors and relay, complying to the latest national and international standards. This ensures the right start for motors requiring direct online starting or star delta starting.



Monitoring and Protection
Protects motor and pumps from various faults



Operator Safety
Ensures safety of operator



World Class Quality Standard
Meets stringent IEC, IS Standards for reliability and Performance



Uniform Design Platform
Ease of maintaining inventory and spares



Wide Band Coils
Reliable operation even during supply fluctuation



Submersible Pump Ratings
Easy to select starters for all types of agriculture applications

Direct-On-Line Starters



Type numbers: 3TW729

- Motor Rating at 415V 3ph 50Hz: 0.33 – 10 HP | 0.25 – 7.5 kW
- Contactors | OLRs: 3TS contactors | 3US/3UW overload Relay
- Coil Voltage: 200 - 400V | 352 - 456 V AC, 50Hz
- Standard marking: ISI/IEC 60947-4-1
- IP42



Name	Motor Rating At 415V 3ph 50Hz		Starter Type	Contactors \$	Thermal Overload Relay	Relay range (A)	Max. Full Load Current (Amp)		MRP
	HP	kW					(A)	(B)	
RAJA+ DOL 0.33HP	0.33	0.25	3TW7291-1A*64	3TS3010	3UW5102-0J	0.63-1	-	-	2915.-
RAJA+ DOL 0.75HP	0.75	0.55	3TW7291-1A*66	3TS3010	3UW5102-1A	1-1.6	1.7	-	
RAJA+ DOL 1HP	1	0.75	3TW7291-1A*68	3TS3010	3UW5102-1C	1.6-2.5	2.2	-	
RAJA+ DOL 1.5HP	1.5	1.1	3TW7291-1A*69	3TS3010	3UW5102-1D	2-3.2	2.9	3.25	
RAJA+ DOL 2HP	2	1.5	3TW7291-1A*71	3TS3010	3UW5102-1F	3.2-5	3.8	4.5	
RAJA+ DOL 3HP	3	2.2	3TW7291-1A*72	3TS3010	3UW5102-1G	4-6.3	5.1	6.5	
RAJA+ DOL 5HP	5	3.7	3TW7291-1A*74	3TS3010	3UW5102-1J	6.3-10	8.1	10	
RAJA+ DOL 7.5HP	7.5	5.5	3TW7291-1A*75	3TS3210	3UW5102-1K	8-12.5	11.4	14.5	3175.-
RAJA+ H DOL 7.5HP	7.5	5.5	3TW7291-1A*77	3TS3210	3UW5102-2A	10-16	-	-	
RAJA+ DOL 10HP	10	7.5	3TW7291-1A*78	3TS3210	3UW5102-2B	12.5-20	15.4	19.5	3420.-

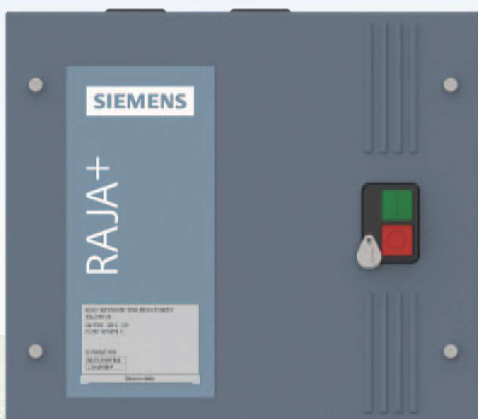
* Enter code for coil voltage, 50Hz (B for 200-400V AC, W for 332 - 456V AC)
Extra MRP of 175 INR for RAJA+ DOL starters 3TW72931A... (0.33-5HP) with 18A contactor
3TW72931A... are IEC 60947-4-1: 2012 compliant without ISI mark

A: 3Ph, 415V 4P Squirrel Cage IS 8789:1996 Table 4

B: 3Ph, 415V 2P Submersible motor IS 9283:1995 Table 2

\$ Complete type number of the contactor will be available in Operating instructions

Automatic Star-Delta Starters



Type numbers: 3TE729

- Motor Rating at 415V 3ph 50Hz: 10 – 25 HP | 7.5 – 18.5 kW
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 352 - 456 V AC, 50Hz
- Standard marking: ISI/IEC 60947-4-1
- IP42

**NEW
DESIGN**

Name	Motor Rating At 415V 3ph 50Hz		Starter Type	Line Contactor \$	Delta Contactors \$	Star Contactors \$	Thermal Overload Relay	Relay range (A)	I(f) 4 Pole Squirrel cage motor		MRP
	HP	kW							Line current (A)	Phase current (A)	
RAJA+ ASD 10HP	10	7.5	3TE72910AW74	3TS3210	3TS3201	3TS3210	3UW5102-1J	6.3-10	16	9.2	12760.-
RAJA+ ASD 12.5HP	12.5	9.3	3TE72910A*75	3TS3210	3TS3201	3TS3210	3UW5102-1K	8-12.5	19.5	11.2	13385.-
RAJA+ ASD 15HP	15	11	3TE72910A*77	3TS3210	3TS3201	3TS3210	3UW5102-2A	10-16	23	13.2	13740.-
RAJA+ ASD 20HP	20	15	3TE72910A*78	3TS3300	3TS3300	3TS3210	3UW5202-2B	12.5-20	32	18.4	15520.-
RAJA+ ASD 25HP	25	18.5	3TE72910A*79	3TS3300	3TS3300	3TS3210	3UW5202-2C	16-25	38.5	22.2	17810.-

*Enter code for coil voltage, 50Hz (B for 200-400V AC, W for 332 - 456V AC)

\$ Complete type number of the contactor will be available in Operating instructions

Automatic Direct-On-Line Starters



Type numbers: 3TE7111

- Motor Rating at 415V 3ph 50Hz: 7.5– 17.5 HP | 5.5 – 13 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US /3UW overload Relay
- Coil Voltage: 200 - 400V | 260 - 457 V AC, 50Hz
- IP42
- LED Indication: Indicating the incoming power supply availability & healthiness.
- Special Line Monitoring Relay for Agriculture Starters provide protection against Phase Loss, Phase Reversal, Phase Unbalance, Under voltage and Over Voltage. It can be set in 3 different modes (Manual, Auto & Bypass) to suit the farmer's requirement.

NEW

Name	Motor Rating At 415V 3ph 50Hz HP/kW		Starter Type	Contactor \$	Thermal Overload relay	Range (A)	Max. Full Load Current (Amp) for Motor		MRP
	3 Phase	Sub-mersible Pump					3 Phase	Sub-mersible Pump	
RAJA+ H ADOL 7.5HP	7.5 / 5.5	7.5 / 5.5	3TE7111-2SC18-1A**	3TS3210	3UW5102-2A	10-16	11.4	14.50	7015.-
RAJA+ ADOL 10HP	10 / 7.5	-	3TE7111-2BC21-1A**	3TS3311	3UW5102-2B	12.5-20	14.50	-	7130.-
RAJA+ H ADOL 10HP	12.5 / 9.3	10 / 7.5	3TE7111-2CC21-1A**	3TS3311	3UW5202-2C	16-25	19.50	19.50	7455.-
RAJA+ H ADOL 12.5HP	-	12.5 / 9.3	3TE7111-2DC23-1AZ8	3TS3511	3US5600-2D8K	20-32	-	25.00	7670.-
RAJA+ ADOL 15HP	15 / 11	-	3TE7111-2CC24-1A**	3TS3411	3UW5202-2C	16-25	23.00	-	8725.-
RAJA+ H ADOL 15HP	-	15 / 11	3TE7111-2QC24-1AZ8	3TS3511	3US5600-2Q8K	25-36	-	29.00	9130.-
RAJA+ H ADOL 17.5HP	-	17.5 / 13	3TE7111-2RC25-1AZ8	3TS3611	3US5600-2R8K	32-40	-	34.00	9355.-

** Enter code for coil voltage Z8 is 260 - 460V AC; Z6 is 200 - 400V AC

\$ Complete type number of the contactor will be available in Operating instructions

Direct-On-Line Controller



Type numbers: 3TE7121

- Motor Rating at 415V 3ph 50Hz: 3 – 10 HP | 2.2 – 7.5 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260 - 457 V AC, 50Hz
- IP43
- LED Indication: Amber LED Indicating the incoming power supply availability & healthiness.
- Green LED Motor on indication
- AV meter for current, voltage indication
- Special Line Monitoring Relay for Agriculture Starters provide protection against Phase Loss, Phase Reversal, Phase Unbalance, Under voltage and Over Voltage. It can be set in 3 different modes (Manual, Auto & Bypass) to suit the farmer's requirement.

NEW

Name	Motor / Submersible Pump Rating At 415V 3ph 50Hz HP/kW	Starter Type	Contactor \$	Thermal Overload relay	Range (A)	Max. Full Load Current (Amp) for Motor / Submersible Pump	MRP
RAJA+ H DOL C 3HP	3 / 2.2	3TE7121-1HC14-1A**	3TS3010	3US5000-1H8K	5 - 8	6.5	9630.-
RAJA+ H DOL C 5HP	5 / 3.7	3TE7121-1KC16-1A**	3TS3110	3UW5102-1K	8-12.5	10	9630.-
RAJA+ H DOL C 6HP	6 / 4.5	3TE7121-2AC17-1A**	3TS3210	3UW5102-2A	10 - 16	12	9630.-
RAJA+ H DOL C 7.5HP	7.5 / 5.5	3TE7121-2BC18-1A**	3TS3210	3UW5102-2B	12.5-20	14.5	11340.-
RAJA+ H DOL C 10HP	10 / 7.5	3TE7121-2CC21-1A**	3TS3311	3UW5202-2C	16-25	19.5	12755.-

**Enter code for coil voltage Z8 is 260 - 460V AC; Z6 is 200 - 400V AC

\$ Complete type number of the contactor will be available in Operating instructions

Direct-On-Line Controller with WLC



Type numbers: 3TE7131

- Motor Rating at 415V 3ph 50Hz: 3 – 10 HP | 2.2 – 7.5 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260 - 457 V AC, 50Hz
- IP43
- LED Indication: Amber LED Indicating the incoming power supply availability & healthiness.
- Green LED Motor on indication
- AV meter for current, voltage indication
- With Integrated Water level controller
- Special Line Monitoring Relay for Agriculture Starters provide protection against Phase Loss, Phase Reversal, Phase Unbalance, Under voltage and Over Voltage. It can be set in 3 different modes (Manual, Auto & Bypass) to suit the farmer's requirement.

NEW

Name	Motor / Submersible Pump Rating At 415V 3ph 50Hz HP/kW	Starter Type	Contactor \$	Thermal Overload relay	Range (A)	Max. Full Load Current (Amp) for Motor / Submersible Pump	MRP
RAJA+ H DOL CW 3HP	3 / 2.2	3TE7131-1HC14-1A**	3TS3010	3US5000-1H8K	5 - 8	6.5	13220.-
RAJA+ H DOL CW 5HP	5 / 3.7	3TE7131-1KC16-1A**	3TS3110	3UW5102-1K	8-12.5	10	13220.-
RAJA+ H DOL CW 6HP	6 / 4.5	3TE7131-2AC17-1A**	3TS3210	3UW5102-2A	10 - 16	12	13375.-
RAJA+ H DOL CW 7.5HP	7.5 / 5.5	3TE7131-2BC18-1A**	3TS3210	3UW5102-2B	12.5 - 20	14.5	13495.-
RAJA+ H DOL CW 10HP	10 / 7.5	3TE7131-2CC21-1A**	3TS3311	3UW5202-2C	16 - 25	19.5	14625.-

**Enter code for coil voltage Z8 is 260 - 460V AC; Z6 is 200 - 400V AC

\$ Complete type number of the contactor will be available in Operating instructions