

**SIEMENS**

# **Raja<sup>+</sup> Agriculture Starters & Controllers**







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# 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





## | Range



FASD  
Starter  
**10-75 HP**

FASD Controller  
with WLC  
**15-30 HP**

DOL Controller  
with WLC  
**3-10 HP**

DOL Controller  
**3-10 HP**

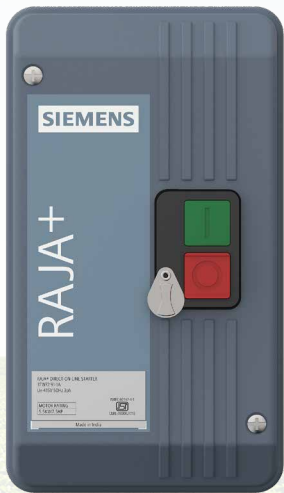
ADOL  
**7.5-17.5 HP**

ASD  
**10 -25 HP**

DOL  
**0.33 -10 HP**



# 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



| Motor Rating<br>At 415V 3ph 50Hz |      | Starter Type  | Contactors        | Thermal<br>Overload<br>Relay | Relay<br>range<br>(A) | Max. Full Load<br>Current (Amp)                          |                                                                 | Back-up Fuse<br>Rating (A) |           |
|----------------------------------|------|---------------|-------------------|------------------------------|-----------------------|----------------------------------------------------------|-----------------------------------------------------------------|----------------------------|-----------|
| HP                               | kW   |               |                   |                              |                       | 3Ph, 415V 4P<br>Squirrel Cage<br>IS 8789:1996<br>Table 4 | 3Ph, 415V 2P<br>Submersible<br>motor IS<br>9283:1995<br>Table 2 | HRC type<br>3NA7           | Rewirable |
| 0.33                             | 0.25 | 3TW7291-1A*64 | 3TS3010-0A##08KA0 | 3UW5102-0J                   | 0.63-1                | -                                                        | -                                                               | 2A                         | 36 SWG    |
| 0.75                             | 0.55 | 3TW7291-1A*66 | 3TS3010-0A##08KA0 | 3UW5102-1A                   | 1-1.6                 | 1.7                                                      | -                                                               | 6A                         | 34 SWG    |
| 1                                | 0.75 | 3TW7291-1A*68 | 3TS3010-0A##08KA0 | 3UW5102-1C                   | 1.6-2.5               | 2.2                                                      | -                                                               | 6A                         | 27 SWG    |
| 1.5                              | 1.1  | 3TW7291-1A*69 | 3TS3010-0A##08KA0 | 3UW5102-1D                   | 2-3.2                 | 2.9                                                      | 3.25                                                            | 10A                        | 26 SWG    |
| 2                                | 1.5  | 3TW7291-1A*71 | 3TS3010-0A##08KA0 | 3UW5102-1F                   | 3.2-5                 | 3.8                                                      | 4.5                                                             | 16A                        | 25 SWG    |
| 3                                | 2.2  | 3TW7291-1A*72 | 3TS3010-0A##08KA0 | 3UW5102-1G                   | 4-6.3                 | 5.1                                                      | 6.5                                                             | 16A                        | 24 SWG    |
| 5                                | 3.7  | 3TW7291-1A*74 | 3TS3010-0A##08KA0 | 3UW5102-1J                   | 6.3-10                | 8.1                                                      | 10                                                              | 16A                        | 21 SWG    |
| 7.5                              | 5.5  | 3TW7291-1A*75 | 3TS3210-0A##08KA0 | 3UW5102-1K                   | 8-12.5                | 11.4                                                     | 14.5                                                            | 25A                        | 19 SWG    |
| 7.5                              | 5.5  | 3TW7291-1A*77 | 3TS3210-0A##08KA0 | 3UW5102-2A                   | 10-16                 | -                                                        | -                                                               | 25A                        | 18 SWG    |
| 10                               | 7.5  | 3TW7291-1A*78 | 3TS3210-0A##08KA0 | 3UW5102-2B                   | 12.5-20               | 15.4                                                     | 19.5                                                            | 32A                        | 18 SWG    |

\* Enter code for coil voltage, 50Hz (B for 200-400V AC, W for 332 - 456V AC)  
 ## Enter Code for operating coil voltage, 50 Hz (Z6 for 200-400V, R0 for 415V)

## Wiring Diagram & Dimensional Details

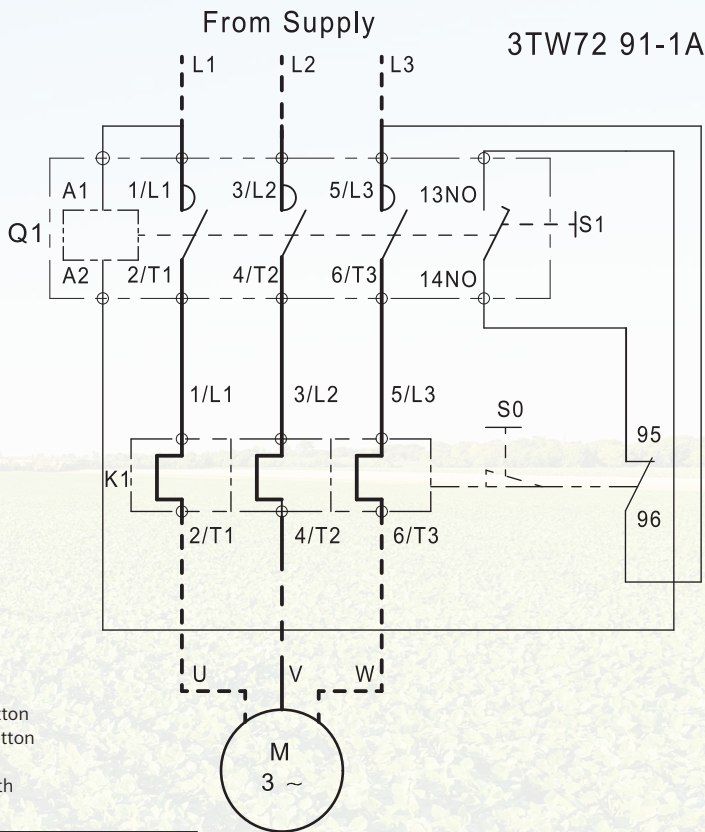
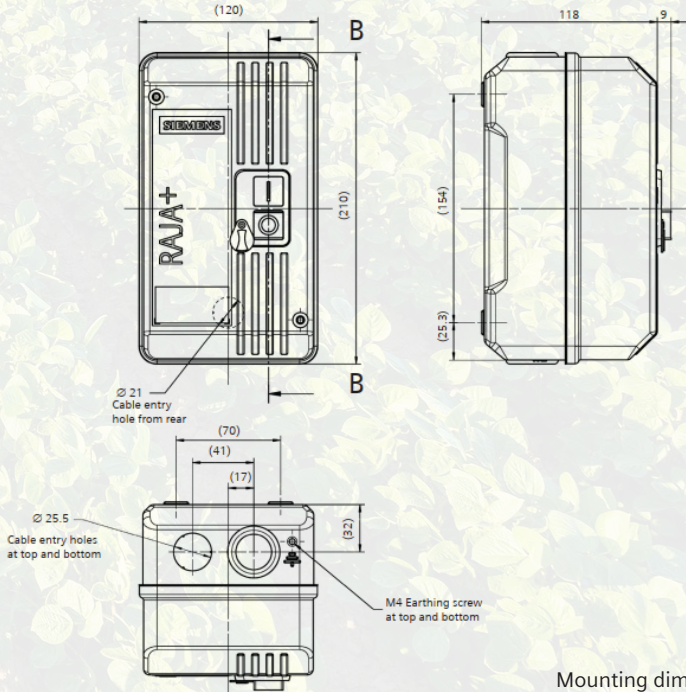
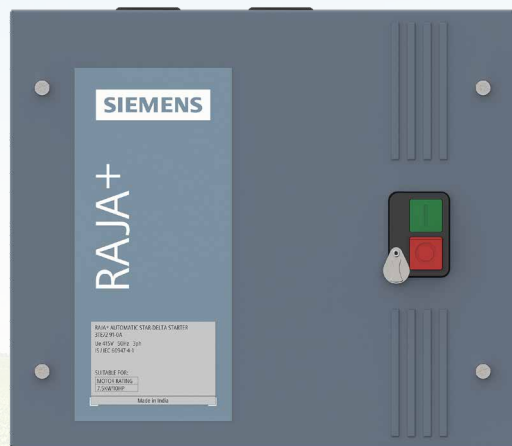


Diagram shows coonnection made for  
 contactor coils rated 200V-400V (Wide Band),  
 415V 50Hz.





# Automatic Star-Delta Starters



## Type numbers: 3TE729

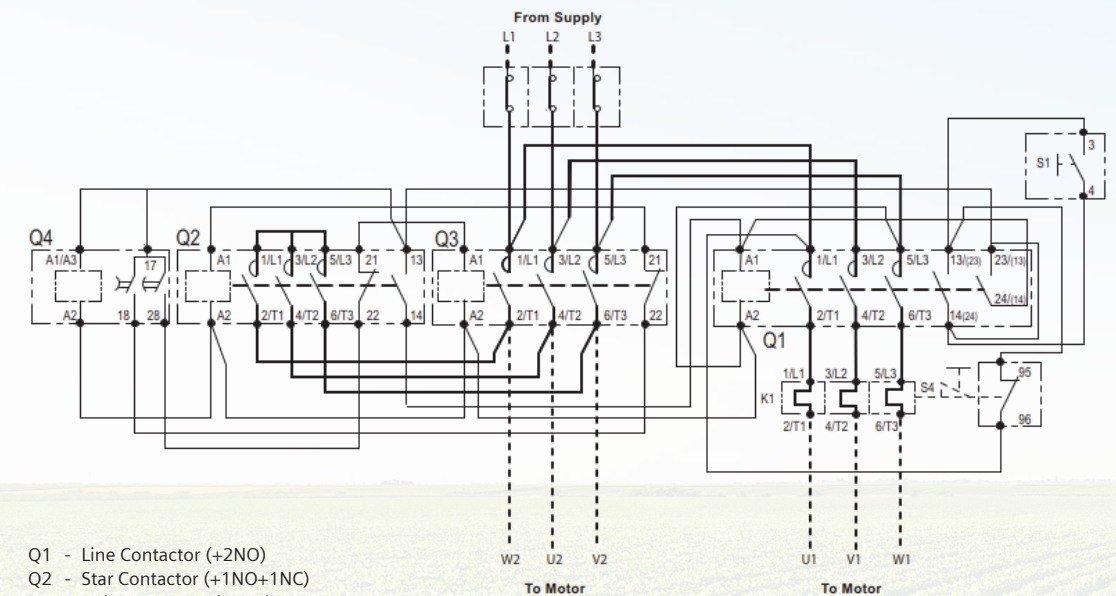
- Motor Rating at 415V 3ph 50Hz: 10 – 25 HP | 7.5 – 18.5 kW
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 352 - 456 V AC, 50Hz
- Standard marking: ISI/IEC 60947-4-1
- IP42

**NEW  
DESIGN**

| 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 |                   | Back-up Fuse Rating (A) |
|-------------------------------|------|--------------|-----------------|------------------|-----------------|------------------------|-----------------|---------------------------------|-------------------|-------------------------|
| HP                            | kW   |              |                 |                  |                 |                        |                 | Line current (A)                | Phase current (A) |                         |
| 10                            | 7.5  | 3TE72910AW74 | 3TS3210-0A##08K | 3TS3201-0A##08K  | 3TS3210-0A##08K | 3UW5102-1J             | 6.3-10          | 16                              | 9.2               | 20                      |
| 12.5                          | 9.3  | 3TE72910A*75 | 3TS3210-0A##08K | 3TS3201-0A##08K  | 3TS3210-0A##08K | 3UW5102-1K             | 8-12.5          | 19.5                            | 11.2              | 25                      |
| 15                            | 11   | 3TE72910A*77 | 3TS3210-0A*08K  | 3TS3201-0A##08K  | 3TS3210-0A##08K | 3UW5102-2A             | 10-16           | 23                              | 13.2              | 25                      |
| 20                            | 15   | 3TE72910A*78 | 3TS3300-0A*08K  | 3TS3300-0A##08K  | 3TS3210-0A##08K | 3UW5202-2B             | 12.5-20         | 32                              | 18.4              | 50                      |
| 25                            | 18.5 | 3TE72910A*79 | 3TS3300-0A*08K  | 3TS3300-0A##08K  | 3TS3210-0A##08K | 3UW5202-2C             | 16-25           | 38.5                            | 22.2              | 50                      |

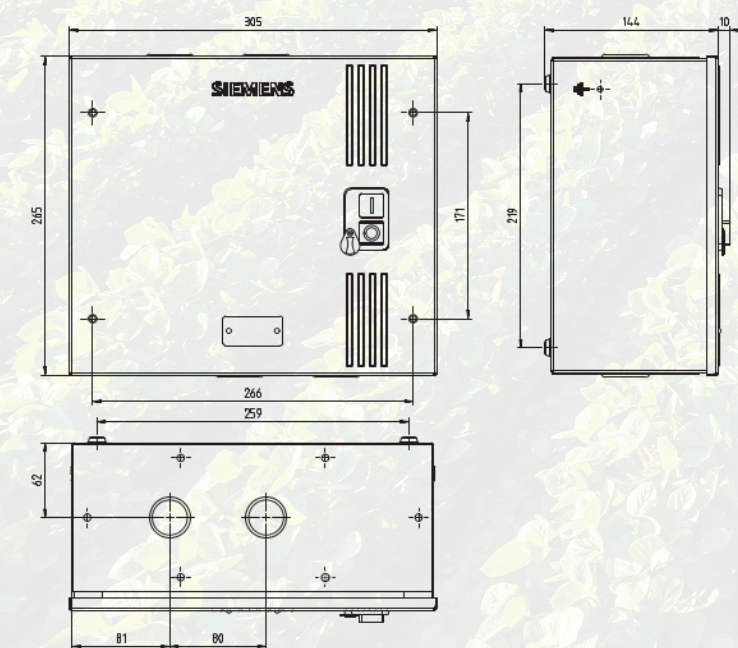
\*Enter code for coil voltage, 50Hz (B for 200-400V AC, W for 332 - 456V AC)  
## Enter Code for operating coil voltage 50 Hz (Z6 for 200-400V, R0 for 415V)

## Wiring Diagram & Dimensional Details



- Q1 - Line Contactor (+2NO)
- Q2 - Star Contactor (+1NO+1NC)
- Q3 - Delta Contactor (+1NC)
- S1 - ON Push Button
- S4 - OFF Push Button
- Q4 - Star Delta Timer With 1 no Instantaneous and 1 NO Delayed Aux. Contact
- K1 - Bimetal Relay

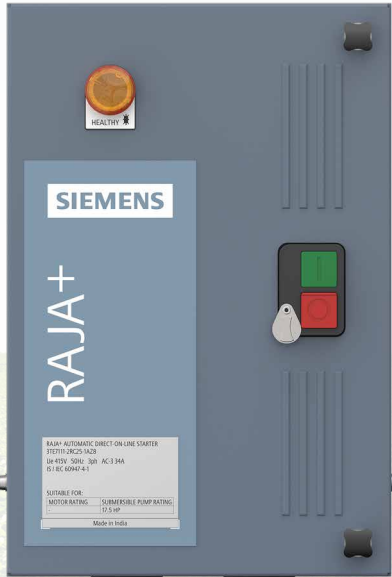
Diagram shows connections made for contactor coils operating range 200-400V 50Hz (wide band) & coil rated 415V 50Hz.  
(13), (14), (23), (24) applicable incase of 20 Hp & 25 Hp.



Mounting dimensions 259 x 219 mm and hole dia 7.0 mm



# Automatic Direct-On-Line Starters



## Type numbers: 3TE7111

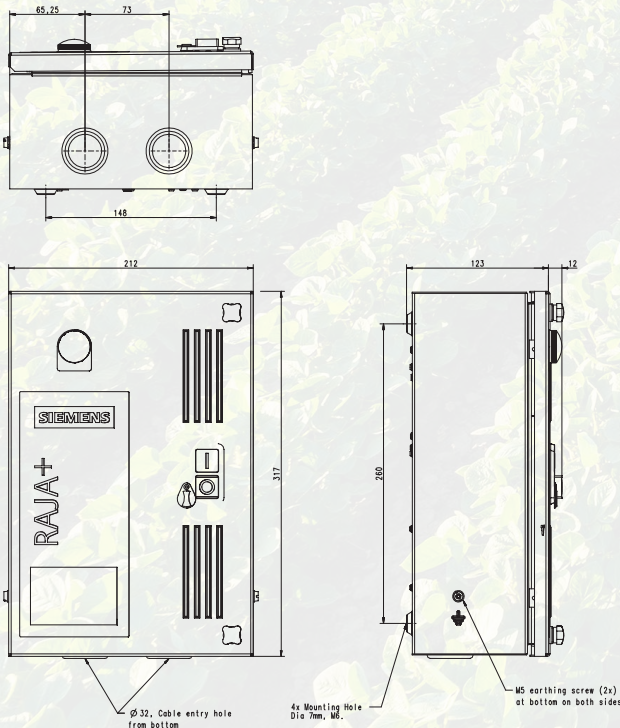
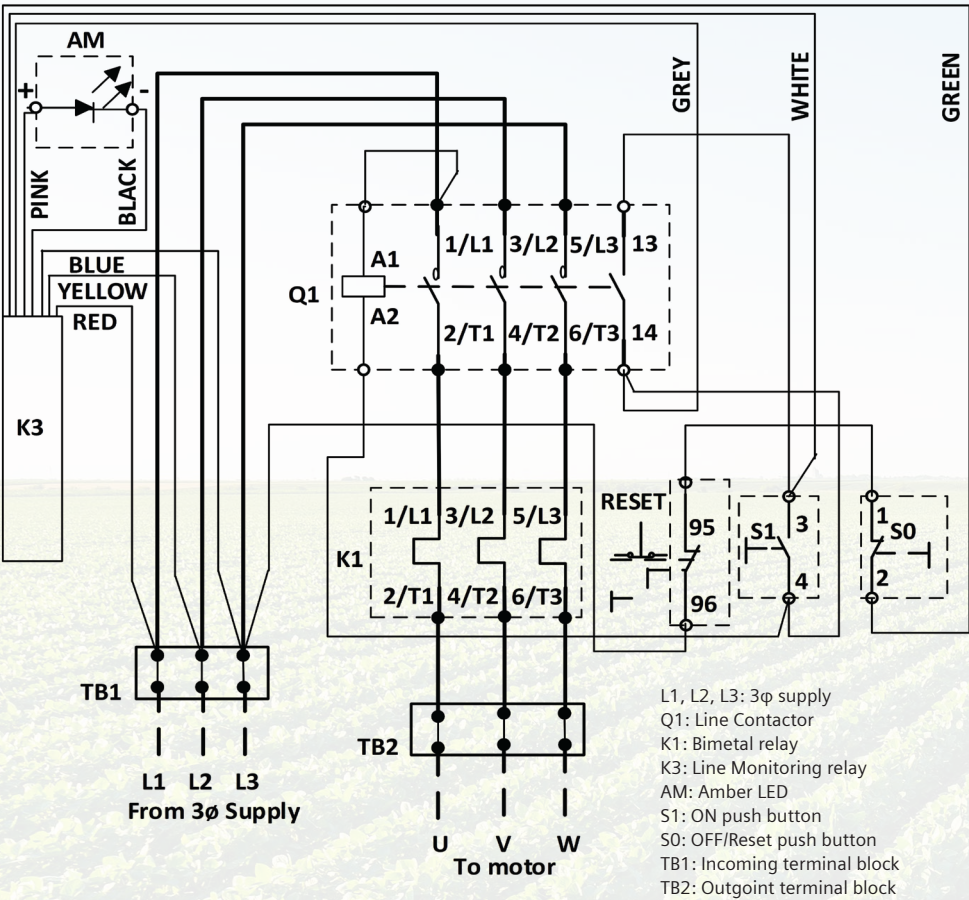
- Motor Rating at 415V 3ph 50Hz: 7.5– 17.5 HP | 5.5 – 13 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US /3UW overload Relay
- Coil Voltage: 200 - 400V | 260 - 457 V AC, 50Hz
- IP42
- LED Indication: Indicating the incoming power supply 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

| Motor Rating<br>At 415V<br>3ph 50Hz<br>HP/kW |                     | Starter Type       | Contactor        | Thermal<br>Overload<br>relay | Range<br>(A) | Max. Full<br>Load Current<br>(Amp) for Motor |                     | Recommended<br>Max. Back-up<br>HRC Fuse rating<br>Siemens<br>Make type<br>3NA7 – 500V |
|----------------------------------------------|---------------------|--------------------|------------------|------------------------------|--------------|----------------------------------------------|---------------------|---------------------------------------------------------------------------------------|
| 3 Phase                                      | Submersible<br>Pump |                    |                  |                              |              | 3 Phase                                      | Submersible<br>Pump |                                                                                       |
| 7.5 / 5.5                                    | 7.5 / 5.5           | 3TE7111-2SC18-1A** | 3TS3210-0A**-08K | 3UW5102-2A                   | 10-16        | 11.4                                         | 14.50               | 32A                                                                                   |
| 10 / 7.5                                     | -                   | 3TE7111-2BC21-1A** | 3TS3311-0A**-08K | 3UW5102-2B                   | 12.5-20      | 14.50                                        | -                   | 32A                                                                                   |
| 12.5 /9.3                                    | 10 / 7.5            | 3TE7111-2CC21-1A** | 3TS3311-0A**-08K | 3UW5202-2C                   | 16-25        | 19.50                                        | 19.50               | 32A                                                                                   |
| -                                            | 12.5 /9.3           | 3TE7111-2DC23-1AZ8 | 3TS3511-0AZ8-08K | 3US5600-2D8K                 | 20-32        | -                                            | 25.00               | 63A                                                                                   |
| 15 / 11                                      | -                   | 3TE7111-2CC24-1A** | 3TS3411-0A**-08K | 3UW5202-2C                   | 16-25        | 23.00                                        | -                   | 32A                                                                                   |
| -                                            | 15 / 11             | 3TE7111-2QC24-1AZ8 | 3TS3511-0AZ8-08K | 3US5600-2Q8K                 | 25-36        | -                                            | 29.00               | 63A                                                                                   |
| -                                            | 17.5 / 13           | 3TE7111-2RC25-1AZ8 | 3TS3611-0AZ8-08K | 3US5600-2R8K                 | 32-40        | -                                            | 34.00               | 80A                                                                                   |

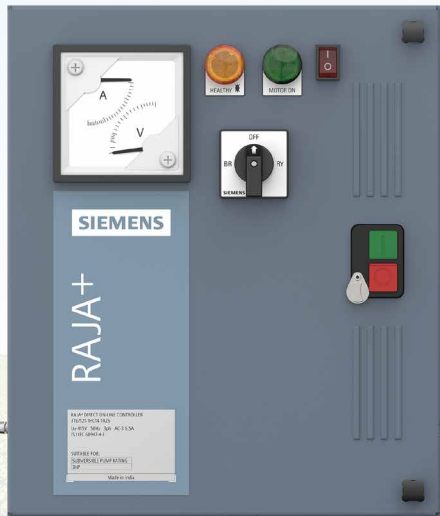
\*\* Enter code for coil voltage, 50Hz (Z8 for 260-460V AC, Z6 for 200 - 400V AC)

## Wiring Diagram & Dimensional Details





# Direct-On-Line Controller



## Type numbers: 3TE7121

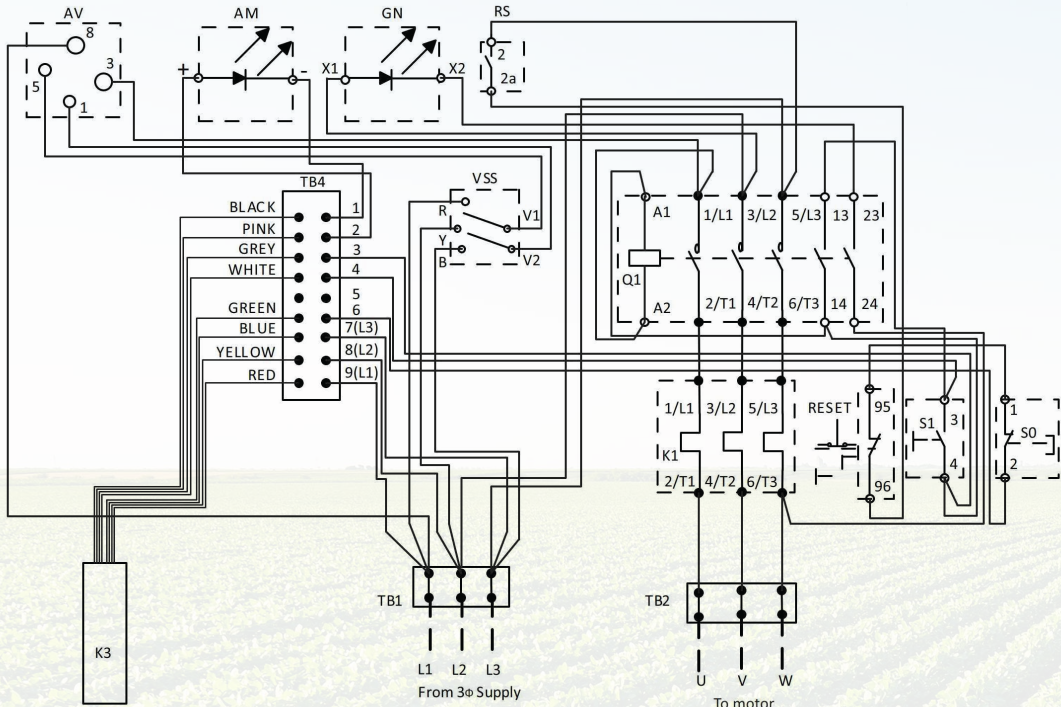
- Motor Rating at 415V 3ph 50Hz: 3 – 10 HP | 2.2 – 7.5 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260 - 457 V AC,50Hz
- IP43
- LED Indication: Amber LED Indicating the incoming power 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.

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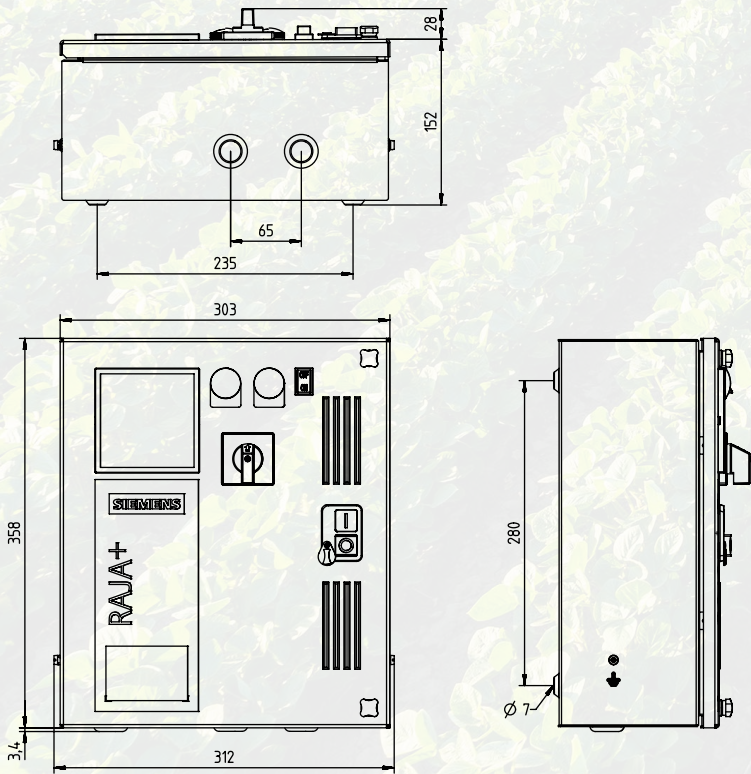
| Motor / Submersible Pump Rating At 415V 3ph 50Hz HP/kW | Starter Type       | Contactor        | Thermal Overload relay | Range (A) | Max. Full Load Current (Amp) for Motor / Submersible Pump | Recommended Max. Back-up HRC Fuse rating Siemens Make type 3NA7 – 500V |
|--------------------------------------------------------|--------------------|------------------|------------------------|-----------|-----------------------------------------------------------|------------------------------------------------------------------------|
| 3 / 2.2                                                | 3TE7121-1HC14-1A** | 3TS3010-0A**-08K | 3US5000-1H8K           | 5 - 8     | 6.5                                                       | 20                                                                     |
| 5 / 3.7                                                | 3TE7121-1KC16-1A** | 3TS3110-0A**-08K | 3UW5102-1K             | 8-12.5    | 10                                                        | 25                                                                     |
| 6 / 4.5                                                | 3TE7121-2AC17-1A** | 3TS3210-0A**-08K | 3UW5102-2A             | 10 - 16   | 12                                                        | 32                                                                     |
| 7.5 / 5.5                                              | 3TE7121-2BC18-1A** | 3TS3210-0A**-08K | 3UW5102-2B             | 12.5-20   | 14.5                                                      |                                                                        |
| 10 / 7.5                                               | 3TE7121-2CC21-1A** | 3TS3311-0A**-08K | 3UW5202-2C             | 16-25     | 19.5                                                      |                                                                        |

\*\* Enter code for coil voltage, 50Hz (Z8 for 260-460V AC, Z6 for 200 - 400V AC)

## Wiring Diagram & Dimensional Details

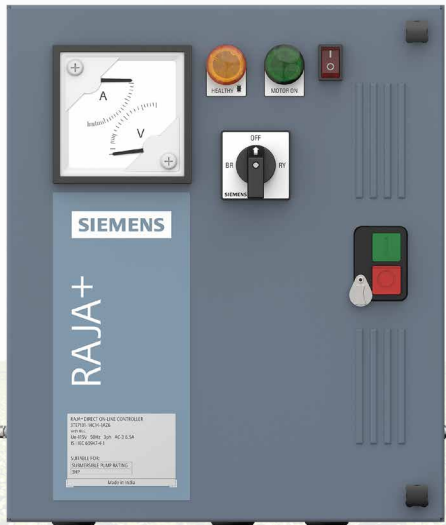


- L1,L2,L3: 3Φ supply  
Q1: Line contractor  
K1: Bimetal relay  
K3: Line Monitoring relay
- VSS: Voltmeter selector switch  
RS: Rocker Switch  
AV: Ammeter Voltmeter  
AM: Amber LED
- GN: Green LED  
S1: ON push button  
S0: OFF/Reset push button  
TB1: Incoming terminal block
- TB2: Outgoing terminal block  
TB4 LMR terminal connector





# Direct-On-Line Controller with WLC



## Type numbers: 3TE7131

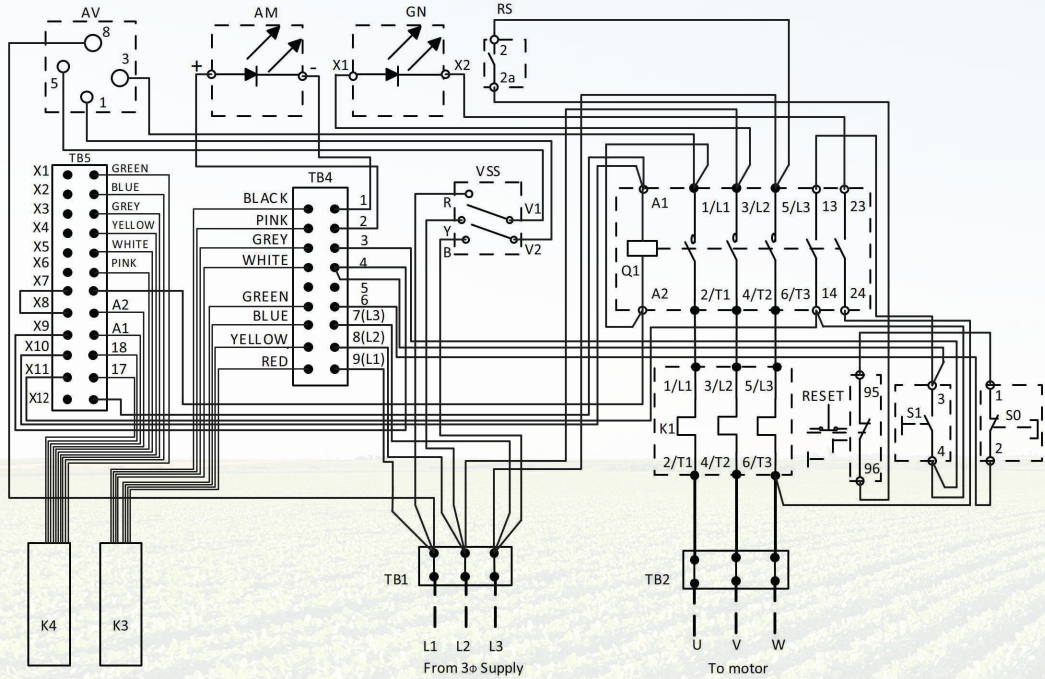
- Motor Rating at 415V 3ph 50Hz: 3 – 10 HP | 2.2 – 7.5 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260 - 457 V AC,50Hz
- IP43
- LED Indication: Amber LED Indicating the incoming power 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**

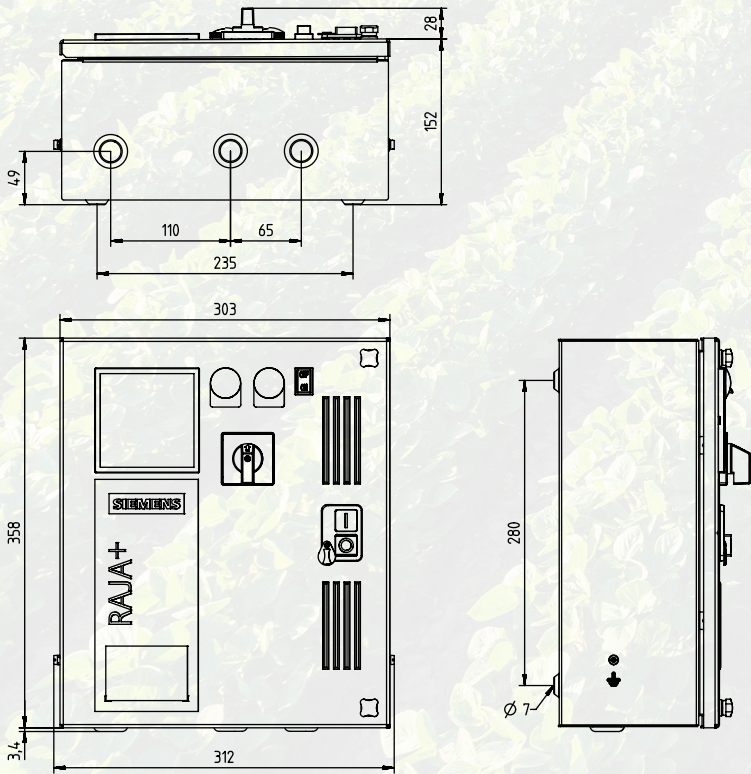
| Motor / Submersible Pump Rating At 415V 3ph 50Hz HP/kW | Starter Type       | Contactor        | Thermal Overload relay | Range (A) | Max. Full Load Current (Amp) for Motor / Submersible Pump | Recommended Max. Back-up HRC Fuse rating Siemens Make type 3NA7 – 500V |
|--------------------------------------------------------|--------------------|------------------|------------------------|-----------|-----------------------------------------------------------|------------------------------------------------------------------------|
| 3 / 2.2                                                | 3TE7131-1HC14-1A** | 3TS3010-0A**-08K | 3US5000-1H8K           | 5 - 8     | 6.5                                                       | 20                                                                     |
| 5 / 3.7                                                | 3TE7131-1KC16-1A** | 3TS3110-0A**-08K | 3UW5102-1K             | 8-12.5    | 10                                                        | 25                                                                     |
| 6 / 4.5                                                | 3TE7131-2AC17-1A** | 3TS3210-0A**-08K | 3UW5102-2A             | 10 - 16   | 12                                                        | 32                                                                     |
| 7.5 / 5.5                                              | 3TE7131-2BC18-1A** | 3TS3210-0A**-08K | 3UW5102-2B             | 12.5 - 20 | 14.5                                                      |                                                                        |
| 10 / 7.5                                               | 3TE7131-2CC31-1A** | 3TS3311-0A**-08K | 3UW5202-2C             | 16 - 25   | 19.5                                                      |                                                                        |

\*\* Enter code for coil voltage, 50Hz (Z8 for 260-460V AC, Z6 for 200 - 400V AC)

## Wiring Diagram & Dimensional Details

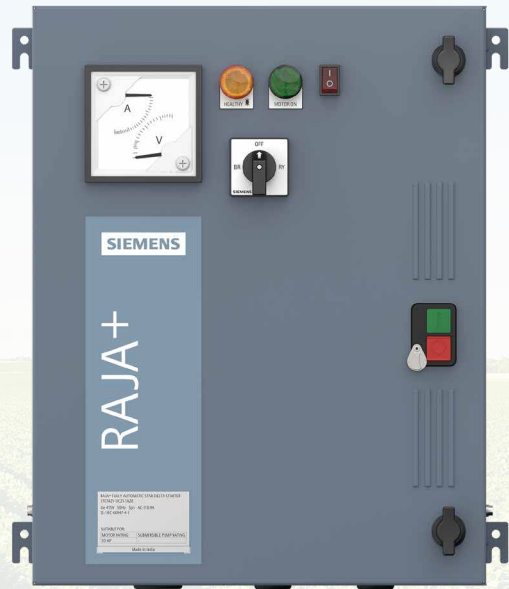


- L1, L2, L3: 3φ supply
- Q1: Line Contactor
- K1: Bimetal relay
- K3: Line Monitoring relay
- K4: Water level controller relay
- VSS: Voltmeter selector Switch
- Rs: Rocket switch
- AV: Ammeter Voltmeter
- AM: Amber LED
- GR: Green LED
- S1: On push button
- SO: OFF/ Reset push button
- TB1: Incoming terminal block
- TB2: Outgoing terminal block
- TB5: WLCA terminal connector





# Fully Automatic Star Delta Starter



## Type numbers: 3TE7421

- Motor Rating at 415V 3ph 50Hz: 10 – 75 HP | 7.5 – 55 kW
- Clearly defined ratings for submersible pump set & for 3-phase Motors
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260 - 457V | 332 – 457V | 304 – 418V 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.

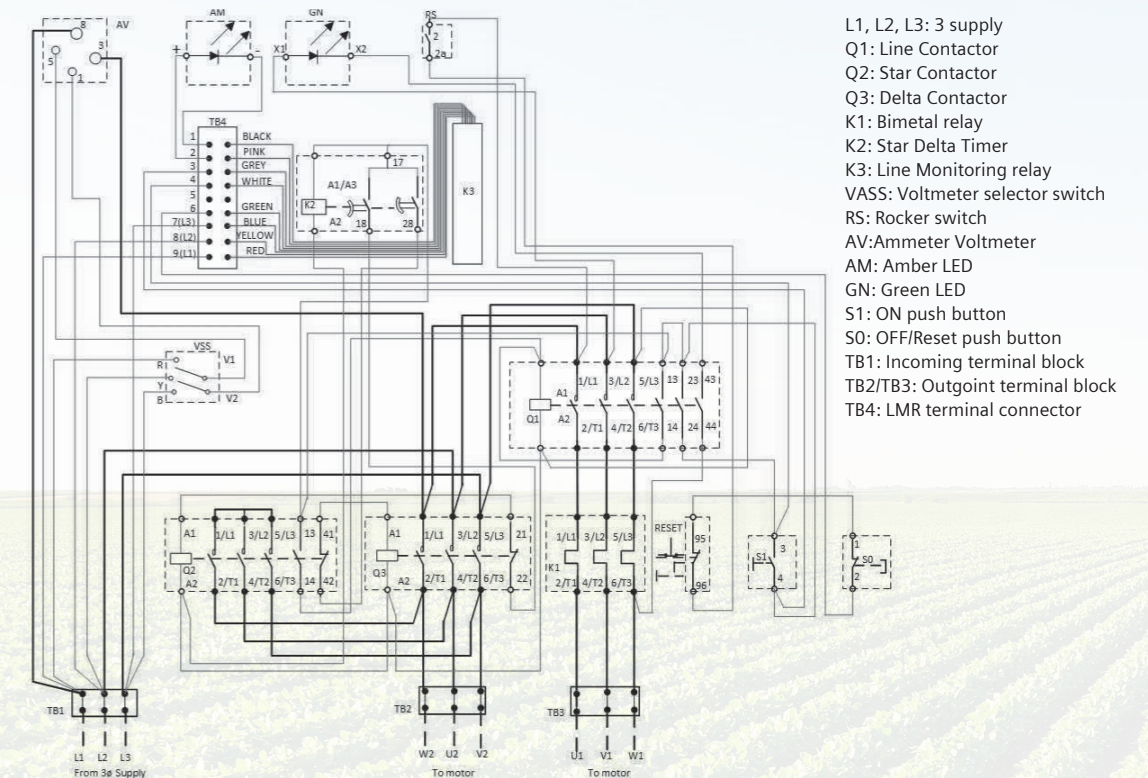
NEW

| Motor Rating At 415V 3ph 50Hz HP/kW |                  | Type                 | Line/Delta Contactor | Star Contactor     | Thermal Overload Relay | Relay range (A) | IL/Iph AC-3 [A] |                  | Recommended Max. Back-up HRC Fuse rating Siemens Make type 3NA7 – 500V |
|-------------------------------------|------------------|----------------------|----------------------|--------------------|------------------------|-----------------|-----------------|------------------|------------------------------------------------------------------------|
| 3 Phase                             | Submersible Pump |                      |                      |                    |                        |                 | 3 Phase         | Submersible Pump |                                                                        |
| 10 / 7.5                            | -                | 3TE7421-1JC21-1A##   | 3TS3110-0A##-08K     | 3TS3010-0A##-08K   | 3UW5102-1J             | 6.3-10          | 15.4/8.9        | -                | 20                                                                     |
| -                                   | 10 / 7.5         | 3TE7421-1KC21-1A##   | 3TS3210-0A##-08K     | 3TS3010-0A##-08K   | 3UW5102-1K             | 8-12.5          | -               | 19.5/11.2        |                                                                        |
| 15 / 11                             | -                | 3TE7421-2AC24-1A##   | 3TS3300-0A##-08K     | 3TS3110-0A##-08K   | 3UW5202-2A             | 10-16           | 23/13.3         | -                | 25                                                                     |
| 17.5 / 13                           | 15 / 11          | 3TE7421-2BC24-1A##   | 3TS3300-0A##-08K     | 3TS3110-0A##-08K   | 3UW5202-2B             | 12.5-20         | 26/15           | 29/16.7          |                                                                        |
| 20 / 15                             | -                | 3TE7421-2BC26-1A##   | 3TS3300-0A##-08K     | 3TS3110-0A##-08K   | 3UW5202-2B             | 12.5-20         | 32/18.5         | -                | 32                                                                     |
| 25 / 18.5                           | -                | 3TE7421-2CC27-1AZ8   | 3TS3500-0AZ8-08K     | 3TS3210-0AZ8-08K   | 3US5600-2C8K           | 16-25           | 36/20.8         | -                |                                                                        |
| 30 / 22                             | 20 / 15          | 3TE7421-2DC26-1AZ8   | 3TS3500-0AZ8-08K     | 3TS3300-0AZ8-08K   | 3US5600-2D8K           | 20-32           | 45/26           | 39/22.5          | 50                                                                     |
| 40 / 30                             | 30 / 22          | 3TE7421-2RC28-1AZ8   | 3TS3500-0AZ8-08K     | 3TS3400-0AZ8-08K   | 3US5600-2R8K           | 32-40           | 59/34.1         | 57/32.9          |                                                                        |
| 50 / 37                             | -                | 3TE7421-8MC33-1A\$\$ | 3TS4722-0A\$\$-08K   | 3TS3500-0A\$\$-08K | 3US5600-8M8K           | 36 - 45         | 71/41           | -                | 100                                                                    |
| -                                   | 40 / 30          | 3TE7421-2TC31-1A\$\$ | 3TS4722-0A\$\$-08K   | 3TS3500-0A\$\$-08K | 3US5800-2T8K           | 40 - 57         | -               | 76/43.9          |                                                                        |
| -                                   | 50 / 37          | 3TE7421-2TC33-1A\$\$ | 3TS4722-0A\$\$-08K   | 3TS3600-0A\$\$-08K | 3US5800-2T8K           | 40 - 57         | -               | 85/49.1          |                                                                        |
| 75 / 55                             | -                | 3TE7421-2PC35-1A\$\$ | 3TS4822-0A\$\$-08K   | 3TS4722-0A\$\$-08K | 3US5800-2P8K           | 50-63           | 104.4/60.3      | -                | 125                                                                    |
| -                                   | 75 / 55          | 3TE7421-5CC35-1A\$\$ | 3TS5122-0A\$\$-08K   | 3TS4822-0A\$\$-08K | 3US5800-5C8K           | 85-105          | -               | 158/91.2         |                                                                        |

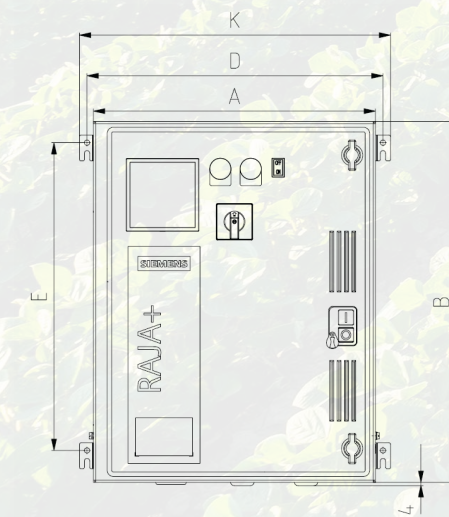
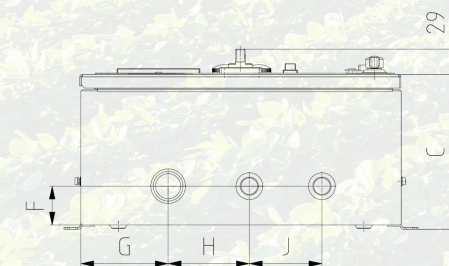
\*\* Enter code for coil voltage, 50Hz (Z8 for 260 - 460V AC; Z6 for 200 - 400V AC)

\$\$ Enter code for coil voltage, 50Hz (R0 for 332-457V AC; Q0 for 304-418V AC)

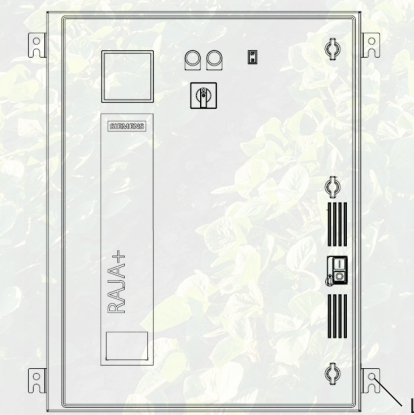
## Wiring Diagram & Dimensional Details



Sample FASD1 wiring diagram; refer operating instructions for FASD2, FASD3 wiring diagram



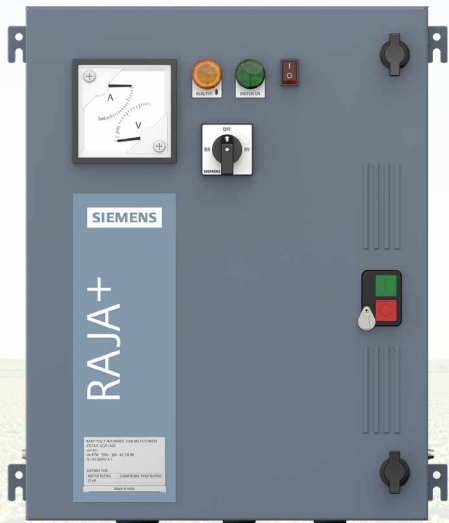
|                         | FASD1   | FASD2 | FASD3 |
|-------------------------|---------|-------|-------|
| Starter Width           | A 370   | 510   | 580   |
| Starter Height          | B 475   | 660   | 740   |
| Starter Depth           | C 179.5 | 185.7 | 205.7 |
| Starter Mounting Width  | D 390   | 550   | 620   |
| Starter Mounting Height | E 405   | 565   | 620   |
| Wiring Hole Height      | F 45    | 49.2  | 55    |
| Wiring Hole1 Distance   | G 101   | 178.5 | 99.5  |
| Wiring Hole1 Distance   | H 94    | 111   | 229.2 |
| Wiring Hole1 Distance   | J 84    | 115   | 156.2 |
| Total Starter Width     | K 410   | 580   | 650   |



FASD Starters are available in 3 frame sizes – FASD1: upto 30HP, FASD2: 40HP & 50HP and FASD3: 75HP submersible pump ratings.



# Fully Automatic Star Delta Controller with WLC



## Type numbers: 3TE7431

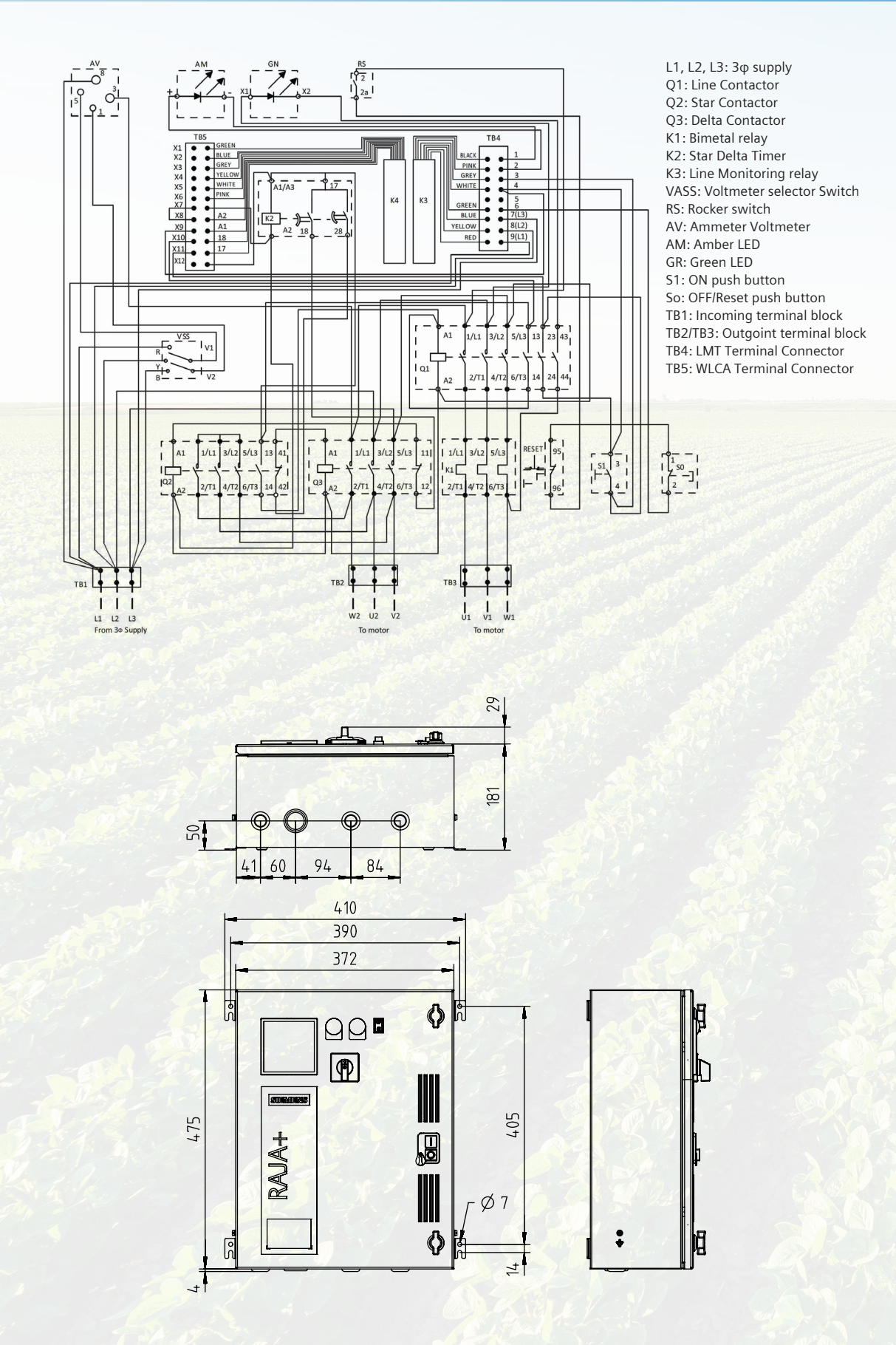
- Motor Rating at 415V 3ph 50Hz: 15 – 30 HP | 11 – 22 kW
- Clearly defined ratings for submersible pump set & for 3-phase Moto
- Contactors | OLRs: 3TS contactors | 3US overload Relay
- Coil Voltage: 200 - 400V | 260-457V AC,50Hz
- IP43
- LED Indication:
  - Amber LED Indicating the incoming power supply availability & healthiness.
  - Green LED Motor on indication
- Voltage Selector Switch
- 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

| Motor / Submersible Pump Rating At 415V 3ph 50Hz HP/ kW | Type                | Line/Delta Contactor | Star Contactor | Thermal Overload Relay | Relay range (A) | Max. Full Load Current (Amp) for Motor / Submersible Pump | Recomm- ended Max. Back-up HRC Fuse rating Siemens Make type 3NA7 – 500V |
|---------------------------------------------------------|---------------------|----------------------|----------------|------------------------|-----------------|-----------------------------------------------------------|--------------------------------------------------------------------------|
| 15 / 11                                                 | 3TE7431-2BC24-1A**  | 3TS33000A**08K       | 3TS31100A**08K | 3TS31100A**08K         | 12.5-20         | 29/16.7                                                   | 32                                                                       |
| 17.5 / 13                                               | 3TE7431- 2CC25-1AZ8 | 3TS35000AZ808K       | 3TS33000AZ808K | 3TS33000AZ808K         | 16-25           | 34/19.6                                                   | 50                                                                       |
| 20 / 15                                                 | 3TE7431-2DC26-1AZ8  | 3TS35000AZ808K       | 3TS33000AZ808K | 3TS33000AZ808K         | 20-32           | 39/22.5                                                   | 63                                                                       |
| 25 / 18.5                                               | 3TE7431-2DC27-1AZ8  | 3TS35000AZ808K       | 3TS34000AZ808K | 3TS34000AZ808K         | 20-32           | 48/27.7                                                   | 63                                                                       |
| 30 / 22                                                 | 3TE7431-2RC28-1AZ8  | 3TS35000AZ808K       | 3TS34000AZ808K | 3TS34000AZ808K         | 25-36           | 57/32.9                                                   | 80                                                                       |

\*\* Enter code for coil voltage, 50Hz (Z8 for 260-460V AC, Z6 for 200 - 400V AC)

## Wiring Diagram & Dimensional Details





Smart Infrastructure intelligently connects energy systems, buildings and industries, enhancing the way we live and work to significantly improve efficiency and sustainability.

We work together with customers and partners to create an ecosystem that both intuitively responds to the needs of people and helps customers achieve their business goals.

It helps our customers to thrive, communities to progress and supports sustainable development to protect our planet for the next generation.

**Creating environments that care.**

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