



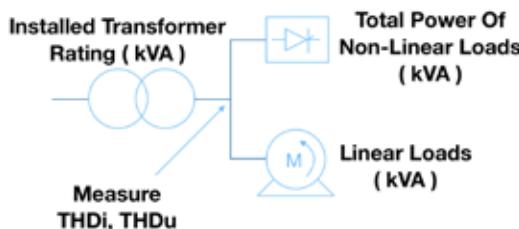
**INTACT BASE RCM-INB-3:** Capacitors designed to be used in standard conditions when there aren't any significant non-linear loads.  
NLL< 10%

**INTACT PLUS (Heavy Duty) RCM-INP-3:** Capacitors for working in difficult conditions, resistant to voltage overloads or when the limited quantity of non-linear loads are installed.  
Particularity – largely increased current resistance.  
NLL< 20%

**INTACT ALLPOWER (Extra Heavy Duty) RCM-INA-3:** Highly reliable capacitors for operating in harsh environments or with a significant level of non-linear loads. Resistant to high overloads in current and voltage. Intact AllPOWER is also resistant to high temperatures.  
NLL< 25%

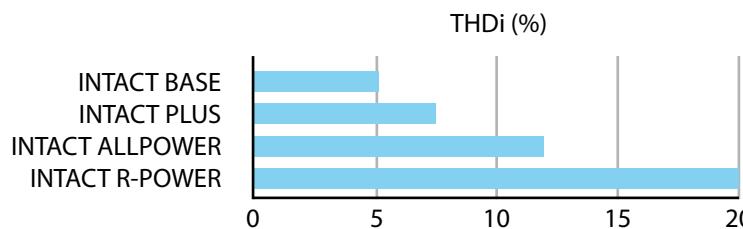
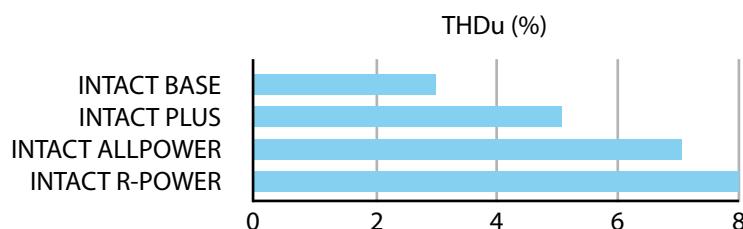
**INTACT R-POWER RCM-INR-3:** Capacitors to be used with detuned harmonic reactor. This is the optimal solution for reactive power compensation in networks where there is a significant quantity of non-linear loads, therefore the use of reactors is mandatory.  
NLL< 30%

### CAPACITORS SELECTION TAKING IN MIND LEVEL OF HARMONICS



As said before the percentage of non-linear loads NLL is a very important indicator of magnitude of harmonics but a more detailed estimation of the magnitude of harmonics can be made with measurements.

Significant indicators are current harmonic distortion THDi and voltage harmonic distortion THDu. Both values must be measured at the transformer secondary without connected capacitors. According to the measured distortion, different technologies of capacitors shall be selected.



#### Note:

The capacitor type should be selected according to the most restrictive measurement. For Example, a measurement is giving the following results:

- THDi = 14,0%
- THDu = 4,0%

INTACT R-POWER with Detuned Reactor has to be selected.

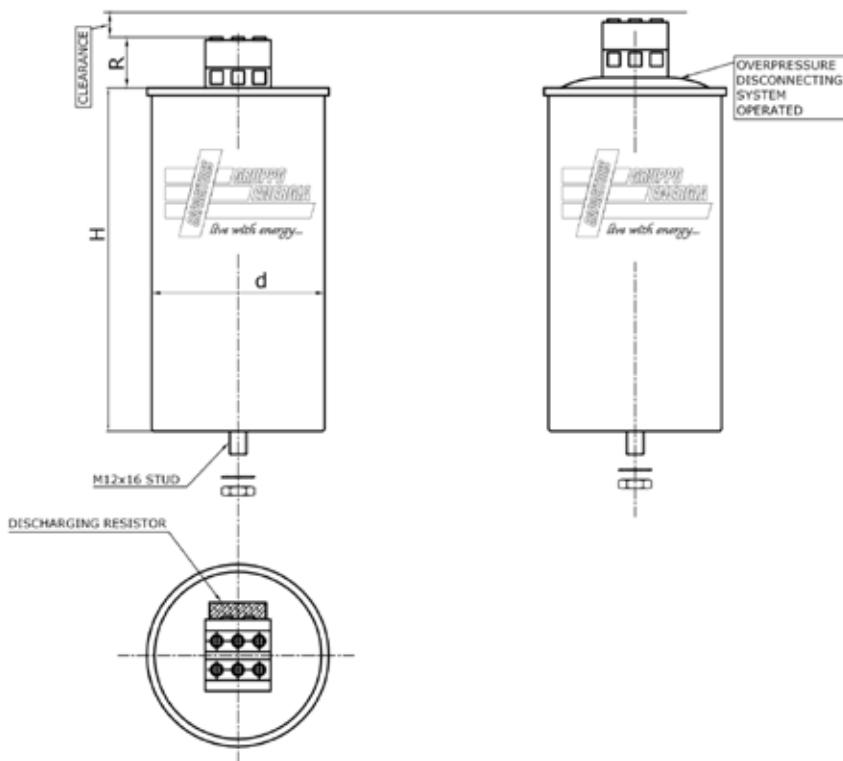
## CAPACITOR SELECTION TABLE

| Capacitor Family   | Type                                   | Applications   | Max. Conditions  |
|--|--|--|--|
| Intact Base<br>RCM - INB - 3                                     | Standard Capacitor                     | <ul style="list-style-type: none"> <li>Networks with non significant non-linear loads</li> <li>Standard over-current</li> <li>Standard operating temperature</li> <li>Normal switching frequency</li> <li>Standard life expectancy</li> </ul>            | <ul style="list-style-type: none"> <li>NLL &lt; 10%</li> <li>1,5 In</li> <li>55 °C</li> <li>5000 / year</li> <li>Up to 100000 h*</li> </ul>  |
| Intact Plus<br>RCM - INP - 3                                     | Heavy Duty Capacitor                   | <ul style="list-style-type: none"> <li>Few non-linear loads</li> <li>Significant over-current</li> <li>High operating temperature</li> <li>Significant switching frequency</li> <li>Long life expectancy</li> </ul>                                      | <ul style="list-style-type: none"> <li>NLL &lt; 20%</li> <li>1,8 In</li> <li>60 °C</li> <li>7000 / year</li> <li>Up to 160000 h*</li> </ul>  |
| Intact AllPower<br>RCM - INA - 3                                 | Extra Heavy Duty Capacitor             | <ul style="list-style-type: none"> <li>Significant number of non-linear loads (up to 25%)</li> <li>Significant over-current</li> <li>Extreme temperature conditions</li> <li>Frequent switching frequency</li> <li>Extra long life expectancy</li> </ul> | <ul style="list-style-type: none"> <li>NLL &lt; 25%</li> <li>2,5 In</li> <li>60 °C</li> <li>10000 / year</li> <li>Up to 180000 h*</li> </ul> |
| Intact R-Power +<br>Detuned Harmonic<br>Reactor<br>RCM - INR - 3 | Capacitor For Critical<br>Applications | <ul style="list-style-type: none"> <li>High level of non-linear loads (up to 30%)</li> <li>Significant over-current</li> <li>Standard operating temperature</li> <li>Significant switching frequency</li> <li>Long life expectancy</li> </ul>            | <ul style="list-style-type: none"> <li>NLL &lt; 30%</li> <li>1,5 In</li> <li>55 °C</li> <li>7000 / year</li> <li>Up to 160000 h*</li> </ul>  |

### Advise For You:

It is highly recommended to do harmonic study and detailed load study before selecting the capacitor family.  
For more informations don't hesitate to contact Gruppo Energia team.

### CONSTRUCTION DIAGRAM



#### CASE

- Expansion: Maximum 12 mm.
- Clearance: Minimum 15 mm.

#### MOUNTING

- M12 threaded bolt
- Tightening torque: T = 10 Nm.
- Toothed washer: DIN 6789.
- Hexagonal nut: DIN 439.

#### TERMINALS

- Finger-proof terminal: Yes.
- MT 16** • For 16 mmq cable.  
• M4 terminal screw.  
• Tightening torque: T = 1,3 Nm  
• R = 33 ±2
- MT 25** • For 25 mmq cable.  
• M5 terminal screw.  
• Tightening torque: T = 2,5 Nm  
• R = 33 ±2
- MT 35** • For 35 mmq cable.  
• M5 terminal screw.  
• Tightening torque: T = 3,0 Nm  
• R = 43 ±2

\* The maximum life expectancy is given considering standard operating conditions as rated voltage (Un), rated current (In), 35 °C ambient temperature.  
\* Attention: The life expectancy will be reduced if capacitors are used at maximum working conditions.

### TECHNICAL CHARACTERISTICS INTACT BASE RCM-INB

#### General

|                                 |  |
|---------------------------------|--|
| Standards:                      | IEC 60831-1:2014, UL810, VDE 0560-46:2014-11                                 |
| Origin:                         | 100% made in Italy   |
| Voltage range:                  | 220 V to 690 V   |
| Frequency:                      | 50 Hz / 60 Hz  |
| Power range:                    | 1 kVar to 62,5 kVar  |
| Dielectric losses:              | < 0,2 W/kVar   |
| Total losses:                   | < 0,5 W/kVar   |
| Capacitance tolerance:          | ± 5%   |
| Voltage test between terminals: | 2,15 Un, 50 Hz, 10 seconds (routine test)                                    |
| Voltage test between terminals: | 3,00 Un, 50 Hz, 60 seconds (type test)                                       |
| Voltage test terminal / case:   | ≤ 525 V 3000 V, 50 Hz for 10 seconds or > 525 V 3660 V, 50 Hz for 10 seconds |
| Insulation level:               | 3 / 8 kV   |
| External discharge resistor:    | 50 V in 1 min. 1 kVar - 30 kVar or 75 V in 3 min. 30,5 kVar - 62,5 kVar      |
| Cooling:                        | Natural air or forced ventilation  |

#### Operating Conditions

|                           |   |
|---------------------------|---|
| Ambient temperature:      | -25 °C / 55 °C  |
| Humidity:                 | up to 95%   |
| Altitude above sea level: | 2000 m.   |
| Overvoltage:              | Un+10% for 8 hrs. daily<br>Un+15% for 30 min. daily<br>Un+20% for 5 min. daily<br>Un+30% for 1 min. daily |
| Overcurrent:              | up to 1,5 x In (Including Harmonics)  |
| Inrush current:           | up to 180 x In  |
| Service life:             | up to 100.000 hrs.  |
| Harmonic presence:        | NLL < 10%   |

#### Safety Features

|                    |   |
|--------------------|---|
| Safety:            | Overpressure disconnector on 3 phase + Incorporated fuses + Self-healing + Discharge device |
| Protection degree: | IP20  |

#### Construction

|               |  |
|---------------|--|
| Casing:       | Aluminium can  |
| Dielectric:   | Polypropylene film with slope metallisation and wave-cut |
| Impregnation: | Polyurethane resin, Non-PCB                              |

#### Installation

|                       |  |
|-----------------------|--|
| Mounting position:    | Vertical preferable for better cooling   |
| Fastening & Earthing: | Through 1 point, screw M12 at the bottom |

## INTACT BASE CAPACITORS NLL <10%

### RCM-INB CAPACITOR RATED VOLTAGE 400 V / 415 V - 3 PHASE - 50 Hz / 60 Hz

| POWER AT SYSTEM VOLTAGE 50 Hz |            | POWER AT SYSTEM VOLTAGE 60 Hz |            | In 50 Hz CURRENT |         | In 60 Hz CURRENT |         | RATED CAPACITANCE | AVAIABLE DIMENSIONS* |           |           | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-------------------------------|------------|-------------------------------|------------|------------------|---------|------------------|---------|-------------------|----------------------|-----------|-----------|---------------|---------|-------------|---------|
| 400 V kVar                    | 415 V kVar | 400 V kVar                    | 415 V kVar | 400 V A          | 415 V A | 400 V A          | 415 V A | 3 x µF            | ø x H (7)            | ø x H (8) | ø x H (9) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5                           | 2,7        | 3,0                           | 3,2        | 3,6              | 3,7     | 4,3              | 4,5     | 16,6              | 85 x 130             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 5                             | 5,4        | 6,0                           | 6,5        | 7                | 7,5     | 8,7              | 9,0     | 33,2              | 85 x 130             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 6,25                          | 6,72       | 7,5                           | 8,1        | 9,02             | 9,34    | 10,8             | 11,2    | 41,4              | 85 x 130             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 10                            | 10,8       | 12,0                          | 12,9       | 14               | 15,0    | 17,3             | 18,0    | 66,3              | 85 x 225             | -         | -         | MT 16         | 9       | -           | -       |
| 12,5                          | 13,4       | 15,0                          | 16,1       | 18,0             | 18,7    | 21,6             | 22,5    | 82,9              | 85 x 225             | -         | -         | MT 16         | 9       | -           | -       |
| 15                            | 16,1       | 18,0                          | 19,4       | 22               | 22,5    | 26,0             | 26,9    | 99,5              | 100 x 225            | 85 x 260  | -         | MT 25/16      | 9       | 5           | -       |
| 20                            | 21,5       | 24,0                          | 25,8       | 29               | 29,9    | 34,6             | 35,9    | 132,6             | 116 x 225            | 100 x 260 | 85 x 285  | MT 25         | 9       | 5           | -       |
| 25                            | 26,9       | 30,0                          | 32,3       | 36               | 37,4    | 43,3             | 44,9    | 165,8             | 116 x 225            | -         | 100 x 300 | MT 25         | -       | 5           | -       |
| 30                            | 32,3       | 36,0                          | 38,7       | 43               | 44,9    | 51,9             | 53,9    | 198,9             | 136 x 225            | 116 x 260 | 116 x 285 | MT 25         | -       | 5           | 4       |
| 40                            | 43,0       | 48,0                          | 51,6       | 58               | 59,9    | 69,3             | 71,9    | 265,3             | 116 x 285            | -         | -         | MT 25         | -       | 5           | -       |
| 50                            | 53,8       | 60,0                          | 64,6       | 72               | 74,8    | 86,6             | 89,8    | 331,6             | 136 x 300            | -         | -         | MT 35         | -       | -           | 4       |
| 62,5                          | 67,3       | -                             | -          | 90,2             | 93,6    | -                | -       | 414,6             | 136 x 375            | -         | -         | MT 35         | -       | -           | 2       |

### RCM-INB CAPACITOR RATED VOLTAGE 440 V / 450 V - 3 PHASE - 50 Hz / 60 Hz

| POWER AT SYSTEM VOLTAGE 50 Hz |            | POWER AT SYSTEM VOLTAGE 60 Hz |            | In 50 Hz CURRENT |         | In 60 Hz CURRENT |         | RATED CAPACITANCE | AVAIABLE DIMENSIONS* |           |           | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-------------------------------|------------|-------------------------------|------------|------------------|---------|------------------|---------|-------------------|----------------------|-----------|-----------|---------------|---------|-------------|---------|
| 440 V kVar                    | 450 V kVar | 440 V kVar                    | 450 V kVar | 440 V A          | 450 V A | 440 V A          | 450 V A | 3 x µF            | ø x H (7)            | ø x H (8) | ø x H (9) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5                           | 2,6        | 3,0                           | 3,1        | 3,3              | 3,4     | 3,9              | 4,0     | 13,7              | 85 x 130             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 5                             | 5,2        | 6,0                           | 6,3        | 7                | 6,7     | 7,9              | 8,0     | 27,4              | 85 x 130             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 6,25                          | 6,5        | 7,5                           | 7,9        | 8,20             | 8,4     | 9,8              | 10,1    | 34,3              | 85 x 130             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 10                            | 10,5       | 12,0                          | 12,5       | 13               | 13,4    | 15,7             | 16,1    | 54,8              | 85 x 225             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 12,5                          | 13,1       | 15,0                          | 15,7       | 16,4             | 16,8    | 19,7             | 20,1    | 68,5              | 85 x 225             | -         | -         | MT 16         | 9       | -           | -       |
| 15                            | 15,7       | 18,0                          | 18,8       | 20               | 20,1    | 23,6             | 24,1    | 82,2              | 100 x 225            | 85 x 260  | -         | MT 25 / 16    | 9       | 5           | -       |
| 20                            | 20,9       | 24,0                          | 25,1       | 26               | 26,8    | 31,5             | 32,2    | 109,6             | 116 x 225            | 100 x 260 | 85 x 285  | MT 25         | 9       | 5           | -       |
| 25                            | 26,1       | 30,0                          | 31,4       | 33               | 33,5    | 39,3             | 40,2    | 137               | 116 x 225            | -         | 100 x 300 | MT 25         | -       | 5           | -       |
| 30                            | 31,4       | 36,0                          | 37,6       | 39               | 40,2    | 47,2             | 48,3    | 164,4             | 136 x 225            | 116 x 260 | 100 x 300 | MT 25         | -       | 5           | 4       |
| 40                            | 41,8       | 48,0                          | 50,2       | 52               | 53,6    | 62,9             | 64,4    | 219,2             | 116 x 285            | -         | -         | MT 25         | -       | 5           | -       |
| 50                            | 52,3       | 60,0                          | 62,7       | 66               | 67,1    | 78,7             | 80,5    | 274               | 136 x 300            | -         | -         | MT 35         | -       | -           | 4       |
| 62,5                          | 65,3       | -                             | -          | 82,0             | 83,8    | -                | -       | 342,5             | 136 x 375            | -         | -         | MT 35         | -       | -           | 2       |

### RCM-INB CAPACITOR RATED VOLTAGE 525 V / 550 V - 3 PHASE - 50 Hz / 60 Hz

| POWER AT SYSTEM VOLTAGE 50 Hz |            | POWER AT SYSTEM VOLTAGE 60 Hz |            | In 50 Hz CURRENT |         | In 60 Hz CURRENT |         | RATED CAPACITANCE | AVAIABLE DIMENSIONS* |           |           | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-------------------------------|------------|-------------------------------|------------|------------------|---------|------------------|---------|-------------------|----------------------|-----------|-----------|---------------|---------|-------------|---------|
| 525 V kVar                    | 550 V kVar | 525 V kVar                    | 550 V kVar | 525 V A          | 550 V A | 525 V A          | 550 V A | 3 x µF            | ø x H (7)            | ø x H (8) | ø x H (9) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5                           | 2,7        | 3,0                           | 3,3        | 2,7              | 2,9     | 3,3              | 3,4     | 9,6               | 85 x 130             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 5                             | 5,5        | 6,0                           | 6,6        | 5                | 5,7     | 6,6              | 6,9     | 19,2              | 85 x 130             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 6,25                          | 6,9        | 7,5                           | 8,2        | 6,87             | 7,2     | 8,3              | 8,7     | 24,1              | 85 x 225             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 10                            | 11,0       | 12,0                          | 13,2       | 11               | 11,5    | 13,2             | 13,8    | 38,5              | 100 x 225            | 85 x 260  | -         | MT 25 / 16    | 9       | 5           | -       |
| 12,5                          | 13,7       | 15,0                          | 16,4       | 13,7             | 14,4    | 16,5             | 17,3    | 48,1              | 100 x 225            | 100 x 260 | 85 x 285  | MT 25 / 16    | 9       | 5           | -       |
| 15                            | 16,4       | 18,0                          | 19,7       | 16               | 17,3    | 19,8             | 20,7    | 57,7              | 116 x 225            | 100 x 260 | 100 x 300 | MT 25         | -       | 5           | -       |
| 20                            | 21,9       | 24,0                          | 26,3       | 22               | 23,0    | 26,4             | 27,6    | 77,0              | 136 x 225            | 116 x 260 | 100 x 300 | MT 25         | -       | 5           | -       |
| 25                            | 27,4       | 30,0                          | 32,9       | 27               | 28,8    | 33,0             | 34,5    | 96,2              | 136 x 225            | -         | 116 x 285 | MT 25         | -       | 5           | 4       |
| 30                            | 32,9       | 36,0                          | 39,5       | 33               | 34,5    | 39,6             | 41,5    | 115,5             | 136 x 300            | -         | -         | MT 25         | -       | -           | 4       |
| 40                            | 43,9       | 48,0                          | 52,7       | 44               | 46,1    | 52,8             | 55,3    | 154,0             | 136 x 300            | -         | -         | MT 25         | -       | -           | 4       |
| 50                            | 54,9       | 60,0                          | 65,8       | 55               | 57,6    | 66,0             | 69,1    | 192,5             | 136 x 375            | -         | -         | MT 25         | -       | -           | 2       |

Up to 37,5 kVar 400 V or 50 kVar 525 V capacitors are also available in single-phase version.

Other capacitor powers and voltages are available on request. Contact us info@gruppoenergia.it

\*All dimensions are in "mm" and will be confirmed at the time of order.

## TECHNICAL CHARACTERISTICS INTACT PLUS RCM-INP

### General

|                                 |  |
|---------------------------------|--|
| Standards:                      | IEC 60831-1:2014, UL810, VDE 0560-46:2014-11                                 |
| Origin:                         | 100% made in Italy   |
| Voltage range:                  | 220 V to 550 V   |
| Frequency:                      | 50 Hz / 60 Hz  |
| Power range:                    | 2,5 kVar to 50 kVar  |
| Dielectric losses:              | < 0,2 W/kVar   |
| Total losses:                   | < 0,5 W/kVar   |
| Capacitance tolerance:          | ± 5%   |
| Voltage test between terminals: | 2,15 Un, 50 Hz, 10 seconds (routine test)                                    |
| Voltage test between terminals: | 3,00 Un, 50 Hz, 60 seconds (type test)                                       |
| Voltage test terminal / case:   | ≤ 525 V 3000 V, 50 Hz for 10 seconds or > 525 V 3660 V, 50 Hz for 10 seconds |
| Insulation level:               | 3 / 8 kV   |
| External discharge resistor:    | 50 V in 1 min. 1 kVar - 30 kVar or 75 V in 3 min. 30,5 kVar - 62,5 kVar      |
| Cooling:                        | Natural air or forced ventilation  |

### Operating Conditions

|                           |   |
|---------------------------|---|
| Ambient temperature:      | -45 °C / 60 °C  |
| Humidity:                 | up to 95%   |
| Altitude above sea level: | 2000 m.   |
| Overvoltage:              | Un+10% for 8 hrs. daily<br>Un+15% for 30 min. daily<br>Un+20% for 5 min. daily<br>Un+30% for 1 min. daily |
| Overcurrent:              | up to 1,8 x In (Including Harmonics)  |
| Inrush current:           | up to 250 x In  |
| Service life:             | up to 160.000 hrs.  |
| Harmonic presence:        | NLL < 20%   |

### Safety Features

|                    |   |
|--------------------|---|
| Safety:            | Overpressure disconnector on 3 phase + Incorporated fuses + Self-healing + Discharge device |
| Protection degree: | IP20  |

### Construction

|               |  |
|---------------|--|
| Casing:       | Aluminium can  |
| Dielectric:   | Special polypropylene film with slope metallisation and wave-cut |
| Impregnation: | Special polyurethane resin, Non-PCB                              |

### Installation

|                       |  |
|-----------------------|--|
| Mounting position:    | Vertical preferable for better cooling   |
| Fastening & Earthing: | Through 1 point, screw M12 at the bottom |

## INTACT PLUS

### CAPACITORS NLL <20%

#### RCM-INP CAPACITOR RATED VOLTAGE 400 V / 415 V - 3 PHASE - 50 Hz / 60 Hz

| POWER AT SYSTEM VOLTAGE 50 Hz |            | POWER AT SYSTEM VOLTAGE 60 Hz |            | In 50 Hz CURRENT |         | In 60 Hz CURRENT |         | RATED CAPACITANCE | AVAILABLE DIMENSIONS* |           |           | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-------------------------------|------------|-------------------------------|------------|------------------|---------|------------------|---------|-------------------|-----------------------|-----------|-----------|---------------|---------|-------------|---------|
| 400 V kVar                    | 415 V kVar | 400 V kVar                    | 415 V kVar | 400 V A          | 415 V A | 400 V A          | 415 V A | 3 x µF            | ø x H (7)             | ø x H (8) | ø x H (9) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5                           | 2,7        | 3,0                           | 3,2        | 3,6              | 3,7     | 4,3              | 4,5     | 16,6              | 85 x 130              | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 5                             | 5,4        | 6,0                           | 6,5        | 7                | 7,5     | 8,7              | 9,0     | 33,2              | 85 x 130              | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 6,25                          | 6,72       | 7,5                           | 8,1        | 9,02             | 9,34    | 10,8             | 11,2    | 41,4              | 85 x 185              | -         | -         | MT 16         | 9       | -           | -       |
| 10                            | 10,8       | 12,0                          | 12,9       | 14               | 15,0    | 17,3             | 18,0    | 66,3              | 85 x 225              | -         | -         | MT 16         | 9       | -           | -       |
| 12,5                          | 13,4       | 15,0                          | 16,1       | 18,0             | 18,7    | 21,6             | 22,5    | 82,9              | 100 x 225             | 85 x 260  | -         | MT 25 / 16    | 9       | 5           | -       |
| 15                            | 16,1       | 18,0                          | 19,4       | 22               | 22,5    | 26,0             | 26,9    | 99,5              | 100 x 225             | -         | 85 x 285  | MT 25 / 16    | 9       | 5           | -       |
| 20                            | 21,5       | 24,0                          | 25,8       | 29               | 29,9    | 34,6             | 35,9    | 132,6             | 116 x 225             | 100 x 260 | 100 x 300 | MT 25         | 9       | 5           | -       |
| 25                            | 26,9       | 30,0                          | 32,3       | 36               | 37,4    | 43,3             | 44,9    | 165,8             | 136 x 225             | 116 x 260 | 100 x 300 | MT 25         | -       | 5           | 4       |
| 30                            | 32,3       | 36,0                          | 38,7       | 43               | 44,9    | 51,9             | 53,9    | 198,9             | 136 x 225             | -         | 116 x 285 | MT 25         | -       | 5           | 4       |
| 40                            | 43,0       | 48,0                          | 51,6       | 58               | 59,9    | 69,3             | 71,9    | 265,3             | 136 x 300             | -         | -         | MT 35         | -       | -           | 4       |
| 50                            | 53,8       | 60,0                          | 64,6       | 72               | 74,8    | 86,6             | 89,8    | 331,6             | 136 x 375             | -         | -         | MT 35         | -       | -           | 2       |

#### RCM-INP CAPACITOR RATED VOLTAGE 440 V / 450 V - 3 PHASE - 50 Hz / 60 Hz

| POWER AT SYSTEM VOLTAGE 50 Hz |            | POWER AT SYSTEM VOLTAGE 60 Hz |            | In 50 Hz CURRENT |         | In 60 Hz CURRENT |         | RATED CAPACITANCE | AVAILABLE DIMENSIONS* |           |           | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-------------------------------|------------|-------------------------------|------------|------------------|---------|------------------|---------|-------------------|-----------------------|-----------|-----------|---------------|---------|-------------|---------|
| 440 V kVar                    | 450 V kVar | 440 V kVar                    | 450 V kVar | 440 V A          | 450 V A | 440 V A          | 450 V A | 3 x µF            | ø x H (7)             | ø x H (8) | ø x H (9) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5                           | 2,6        | 3,0                           | 3,1        | 3,3              | 3,4     | 3,9              | 4,0     | 13,7              | 85 x 130              | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 5                             | 5,2        | 6,0                           | 6,3        | 7                | 6,7     | 7,9              | 8,0     | 27,4              | 85 x 130              | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 6,25                          | 6,5        | 7,5                           | 7,9        | 8,20             | 8,4     | 9,8              | 10,1    | 34,3              | 85 x 185              | -         | -         | MT 16         | 9       | -           | -       |
| 10                            | 10,5       | 12,0                          | 12,5       | 13               | 13,4    | 15,7             | 16,1    | 54,8              | 85 x 225              | -         | -         | MT 16         | 9       | -           | -       |
| 12,5                          | 13,1       | 15,0                          | 15,7       | 16,4             | 16,8    | 19,7             | 20,1    | 68,5              | 100 x 225             | 85 x 260  | -         | MT 25 / 16    | 9       | 5           | -       |
| 15                            | 15,7       | 18,0                          | 18,8       | 20               | 20,1    | 23,6             | 24,1    | 82,2              | 100 x 225             | 85 x 260  | -         | MT 25 / 16    | 9       | 5           | -       |
| 20                            | 20,9       | 24,0                          | 25,1       | 26               | 26,8    | 31,5             | 32,2    | 109,6             | 116 x 225             | 100 x 260 | -         | MT 25         | 9       | 5           | -       |
| 25                            | 26,1       | 30,0                          | 31,4       | 33               | 33,5    | 39,3             | 40,2    | 137               | 136 x 225             | 116 x 260 | 100 x 300 | MT 25         | -       | 5           | 4       |
| 30                            | 31,4       | 36,0                          | 37,6       | 39               | 40,2    | 47,2             | 48,3    | 164,4             | 136 x 225             | -         | 116 x 285 | MT 25         | -       | 5           | 4       |
| 40                            | 41,8       | 48,0                          | 50,2       | 52               | 53,6    | 62,9             | 64,4    | 219,2             | 136 x 300             | -         | -         | MT 35         | -       | -           | 4       |
| 50                            | 52,3       | 60,0                          | 62,7       | 66               | 67,1    | 78,7             | 80,5    | 274               | 136 x 375             | -         | -         | MT 35         | -       | -           | 2       |

#### RCM-INP CAPACITOR RATED VOLTAGE 525 V / 550 V - 3 PHASE - 50 Hz / 60 Hz

| POWER AT SYSTEM VOLTAGE 50 Hz |            | POWER AT SYSTEM VOLTAGE 60 Hz |            | In 50 Hz CURRENT |         | In 60 Hz CURRENT |         | RATED CAPACITANCE | AVAILABLE DIMENSIONS* |           |           | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-------------------------------|------------|-------------------------------|------------|------------------|---------|------------------|---------|-------------------|-----------------------|-----------|-----------|---------------|---------|-------------|---------|
| 525 V kVar                    | 550 V kVar | 525 V kVar                    | 550 V kVar | 525 V A          | 550 V A | 525 V A          | 550 V A | 3 x µF            | ø x H (7)             | ø x H (8) | ø x H (9) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5                           | 2,7        | 3,0                           | 3,3        | 2,7              | 2,9     | 3,3              | 3,4     | 9,6               | 85 x 130              | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 5                             | 5,5        | 6,0                           | 6,6        | 5                | 5,7     | 6,6              | 6,9     | 19,2              | 85 x 130              | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 6,25                          | 6,9        | 7,5                           | 8,2        | 6,87             | 7,2     | 8,3              | 8,7     | 24,1              | 85 x 225              | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 10                            | 11,0       | 12,0                          | 13,2       | 11               | 11,5    | 13,2             | 13,8    | 38,5              | 100 x 225             | 85 x 260  | -         | MT 25 / 16    | 9       | 5           | -       |
| 12,5                          | 13,7       | 15,0                          | 16,4       | 13,7             | 14,4    | 16,5             | 17,3    | 48,1              | 100 x 225             | 100 x 260 | 85 x 285  | MT 25 / 16    | 9       | 5           | -       |
| 15                            | 16,4       | 18,0                          | 19,7       | 16               | 17,3    | 19,8             | 20,7    | 57,7              | 116 x 225             | 100 x 260 | 100 x 300 | MT 25         | -       | 5           | -       |
| 20                            | 21,9       | 24,0                          | 26,3       | 22               | 23,0    | 26,4             | 27,6    | 77,0              | 136 x 225             | 116 x 260 | 100 x 300 | MT 25         | -       | 5           | -       |
| 25                            | 27,4       | 30,0                          | 32,9       | 27               | 28,8    | 33,0             | 34,5    | 96,2              | 136 x 225             | -         | 116 x 285 | MT 25         | -       | 5           | 4       |
| 30                            | 32,9       | 36,0                          | 39,5       | 33               | 34,5    | 39,6             | 41,5    | 115,5             | 136 x 300             | -         | -         | MT 25         | -       | -           | 4       |
| 40                            | 43,9       | 48,0                          | 52,7       | 44               | 46,1    | 52,8             | 55,3    | 154,0             | 136 x 300             | -         | -         | MT 35         | -       | -           | 4       |
| 50                            | 54,9       | 60,0                          | 65,8       | 55               | 57,6    | 66,0             | 69,1    | 192,5             | 136 x 375             | -         | -         | MT 35         | -       | -           | 2       |

Up to 37,5 kVar 400 V or 50 kVar 525 V capacitors are also available in single-phase version.

Other capacitor powers and voltages are available on request. Contact us info@gruppoenergia.it

\*All dimensions are in "mm" and will be confirmed at the time of order.

## TECHNICAL CHARACTERISTICS INTACT ALLPOWER RCM-INA

### General

|                                 |  |
|---------------------------------|--|
| Standards:                      | IEC 60831-1:2014, UL810, VDE 0560-46:2014-11                                 |
| Origin:                         | 100% made in Italy   |
| Voltage range:                  | 220 V to 550 V   |
| Frequency:                      | 50 Hz / 60 Hz  |
| Power range:                    | 2,5 kVar to 30 kVar  |
| Dielectric losses:              | < 0,2 W/kVar   |
| Total losses:                   | < 0,5 W/kVar   |
| Capacitance tolerance:          | ± 5%   |
| Voltage test between terminals: | 2,15 Un, 50 Hz, 10 seconds (routine test)                                    |
| Voltage test between terminals: | 3,00 Un, 50 Hz, 60 seconds (type test)                                       |
| Voltage test terminal / case:   | ≤ 525 V 3000 V, 50 Hz for 10 seconds or > 525 V 3660 V, 50 Hz for 10 seconds |
| Insulation level:               | 3 / 8 kV   |
| External discharge resistor:    | 50 V in 1 min. 1 kVar - 30 kVar or 75 V in 3 min. 30,5 kVar - 62,5 kVar      |
| Cooling:                        | Natural air or forced ventilation  |

### Operating Conditions

|                           |   |
|---------------------------|---|
| Ambient temperature:      | - 45 °C / 60 °C   |
| Humidity:                 | up to 95%   |
| Altitude above sea level: | 2000 m.   |
| Overvoltage:              | Un+10% continuous operation<br>Un+15% for 30 min. daily<br>Un+20% for 5 min. daily<br>Un+30% for 1 min. daily |
| Overcurrent:              | up to 2,5 x In (Including Harmonics)  |
| Inrush current:           | up to 280 x In  |
| Service life:             | up to 180.000 hrs.  |
| Harmonic presence:        | NLL < 25%   |

### Safety Features

|                    |   |
|--------------------|---|
| Safety:            | Overpressure disconnector on 3 phase + Incorporated fuses + Self-healing + Discharge device |
| Protection degree: | IP20  |

### Construction

|               |  |
|---------------|--|
| Casing:       | Aluminium can  |
| Dielectric:   | Special polypropylene film with slope metallisation and wave-cut |
| Impregnation: | Special polyurethane resin, Non-PCB                              |

### Installation

|                       |  |
|-----------------------|--|
| Mounting position:    | Vertical preferable for better cooling   |
| Fastening & Earthing: | Through 1 point, screw M12 at the bottom |

**RCM-INA CAPACITOR RATED VOLTAGE 400 V / 415 V — 3 PHASE — 50 Hz / 60 Hz**

| POWER AT SYSTEM VOLTAGE 50 Hz |            | POWER AT SYSTEM VOLTAGE 60 Hz |            | In 50 Hz CURRENT |         | In 60 Hz CURRENT |         | RATED CAPACITANCE | AVAILBLE DIMENSIONS* |           |           | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-------------------------------|------------|-------------------------------|------------|------------------|---------|------------------|---------|-------------------|----------------------|-----------|-----------|---------------|---------|-------------|---------|
| 400 V kVar                    | 415 V kVar | 400 V kVar                    | 415 V kVar | 400 V A          | 415 V A | 400 V A          | 415 V A | 3 x µF            | ø x H (7)            | ø x H (8) | ø x H (9) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5                           | 2,7        | 3,0                           | 3,2        | 3,6              | 3,7     | 4,3              | 4,5     | 16,6              | 85 x 225             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 5                             | 5,4        | 6,0                           | 6,5        | 7                | 7,5     | 8,7              | 9,0     | 33,2              | 85 x 225             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 6,25                          | 6,72       | 7,5                           | 8,1        | 9,02             | 9,34    | 10,8             | 11,2    | 41,4              | 85 x 225             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 10                            | 10,8       | 12,0                          | 12,9       | 14               | 15,0    | 17,3             | 18,0    | 66,3              | 85 x 225             | -         | -         | MT 16         | 9       | -           | -       |
| 12,5                          | 13,4       | 15,0                          | 16,1       | 18,0             | 18,7    | 21,6             | 22,5    | 82,9              | 100 x 225            | 85 x 260  | -         | MT 25         | -       | 5           | -       |
| 15                            | 16,1       | 18,0                          | 19,4       | 22               | 22,5    | 26,0             | 26,9    | 99,5              | 100 x 225            | -         | 85 x 285  | MT 25         | 9       | 5           | -       |
| 20                            | 21,5       | 24,0                          | 25,8       | 29               | 29,9    | 34,6             | 35,9    | 132,6             | 136 x 225            | 116 x 260 | -         | MT 35         | -       | 5           | 4       |
| 25                            | 26,9       | 30,0                          | 32,3       | 36               | 37,4    | 43,3             | 44,9    | 165,8             | 136 x 225            | -         | 116 x 285 | MT 35         | -       | 5           | 4       |
| 30                            | 32,3       | 36,0                          | 38,7       | 43               | 44,9    | 51,9             | 53,9    | 198,9             | 136 x 300            | -         | -         | MT 35         | -       | -           | 4       |

**RCM-INA CAPACITOR RATED VOLTAGE 440 V / 450 V — 3 PHASE — 50 Hz / 60 Hz**

| POWER AT SYSTEM VOLTAGE 50 Hz |            | POWER AT SYSTEM VOLTAGE 60 Hz |            | In 50 Hz CURRENT |         | In 60 Hz CURRENT |         | RATED CAPACITANCE | AVAILBLE DIMENSIONS* |           |           | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-------------------------------|------------|-------------------------------|------------|------------------|---------|------------------|---------|-------------------|----------------------|-----------|-----------|---------------|---------|-------------|---------|
| 440 V kVar                    | 450 V kVar | 440 V kVar                    | 450 V kVar | 440 V A          | 450 V A | 440 V A          | 450 V A | 3 x µF            | ø x H (7)            | ø x H (8) | ø x H (9) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5                           | 2,6        | 3,0                           | 3,1        | 3,3              | 3,4     | 3,9              | 4,0     | 13,7              | 85 x 225             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 5                             | 5,2        | 6,0                           | 6,3        | 7                | 6,7     | 7,9              | 8,0     | 27,4              | 85 x 225             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 6,25                          | 6,5        | 7,5                           | 7,9        | 8,20             | 8,4     | 9,8              | 10,1    | 34,3              | 85 x 225             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 10                            | 10,5       | 12,0                          | 12,5       | 13               | 13,4    | 15,7             | 16,1    | 54,8              | 100 x 225            | 85 x 260  | -         | MT 25 / 16    | 9       | 5           | -       |
| 12,5                          | 13,1       | 15,0                          | 15,7       | 16,4             | 16,8    | 19,7             | 20,1    | 68,5              | 100 x 225            | -         | 85 x 285  | MT 25         | 9       | 5           | -       |
| 15                            | 15,7       | 18,0                          | 18,8       | 20               | 20,1    | 23,6             | 24,1    | 82,2              | 116 x 225            | 100 x 260 | 85 x 285  | MT 25         | 9       | 5           | -       |
| 20                            | 20,9       | 24,0                          | 25,1       | 26               | 26,8    | 31,5             | 32,2    | 109,6             | 136 x 225            | 116 x 260 | -         | MT 25         | -       | 5           | 4       |
| 25                            | 26,1       | 30,0                          | 31,4       | 33               | 33,5    | 39,3             | 40,2    | 137               | 136 x 225            | 116 x 260 | -         | MT 35         | -       | 5           | 4       |
| 30                            | 31,4       | 36,0                          | 37,6       | 39               | 40,2    | 47,2             | 48,3    | 164,4             | 136 x 225            | -         | 116 x 285 | MT 35         | -       | 5           | 4       |

**RCM-INA CAPACITOR RATED VOLTAGE 525 V / 550 V — 3 PHASE — 50 Hz / 60 Hz**

| POWER AT SYSTEM VOLTAGE 50 Hz |            | POWER AT SYSTEM VOLTAGE 60 Hz |            | In 50 Hz CURRENT |         | In 60 Hz CURRENT |         | RATED CAPACITANCE | AVAILBLE DIMENSIONS* |           |           | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-------------------------------|------------|-------------------------------|------------|------------------|---------|------------------|---------|-------------------|----------------------|-----------|-----------|---------------|---------|-------------|---------|
| 525 V kVar                    | 550 V kVar | 525 V kVar                    | 550 V kVar | 525 V A          | 550 V A | 525 V A          | 550 V A | 3 x µF            | ø x H (7)            | ø x H (8) | ø x H (9) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5                           | 2,7        | 3,0                           | 3,3        | 2,7              | 2,9     | 3,3              | 3,4     | 9,6               | 85 x 225             | 85 x 185  | -         | MT 16         | 9       | -           | -       |
| 5                             | 5,5        | 6,0                           | 6,6        | 5                | 5,7     | 6,6              | 6,9     | 19,2              | 85 x 225             | -         | -         | MT 16         | 9       | -           | -       |
| 6,25                          | 6,9        | 7,5                           | 8,2        | 6,87             | 7,2     | 8,3              | 8,7     | 24,1              | 100 x 225            | 85 x 225  | -         | MT 25 / 16    | 9       | 5           | -       |
| 10                            | 11,0       | 12,0                          | 13,2       | 11               | 11,5    | 13,2             | 13,8    | 38,5              | 116 x 225            | -         | 85 x 285  | MT 25 / 16    | 9       | 5           | -       |
| 12,5                          | 13,7       | 15,0                          | 16,4       | 13,7             | 14,4    | 16,5             | 17,3    | 48,1              | 136 x 225            | -         | 100 x 300 | MT 25         | -       | 5           | 4       |
| 15                            | 16,4       | 18,0                          | 19,7       | 16               | 17,3    | 19,8             | 20,7    | 57,7              | 136 x 225            | -         | 116 x 285 | MT 25         | -       | 5           | 4       |
| 20                            | 21,9       | 24,0                          | 26,3       | 22               | 23,0    | 26,4             | 27,6    | 77,0              | 136 x 300            | -         | 116 x 285 | MT 25         | -       | 5           | 4       |
| 25                            | 27,4       | 30,0                          | 32,9       | 27               | 28,8    | 33,0             | 34,5    | 96,2              | 136 x 300            | -         | -         | MT 25         | -       | -           | 4       |
| 30                            | 32,9       | 36,0                          | 39,5       | 33               | 34,5    | 39,6             | 41,5    | 115,5             | 136 x 375            | -         | -         | MT 35         | -       | -           | 2       |

Up to 30 kVar 400 V or 30 kVar 525 V capacitors are also available in single-phase version.  
Other capacitor powers and voltages are available on request. Contact us [info@gruppoenergia.it](mailto:info@gruppoenergia.it)

\*All dimensions are in "mm" and will be confirmed at the time of order.

## TECHNICAL CHARACTERISTICS INTACT R-POWER + DETUNED HARMONIC REACTOR RCM-INR

### General

|                                 |  |
|---------------------------------|--|
| Standards:                      | IEC 60831-1:2014, UL810, VDE 0560-46:2014-11                                 |
| Origin:                         | 100% made in Italy   |
| Voltage range:                  | 220 V to 550 V   |
| Frequency:                      | 50 Hz / 60 Hz  |
| Power range:                    | 2,5 kVar to 50 kVar  |
| Dielectric losses:              | < 0,2 W/kVar   |
| Total losses:                   | < 0,5 W/kVar   |
| Capacitance tolerance:          | ± 5%   |
| Voltage test between terminals: | 2,15 Un, 50 Hz, 10 seconds (routine test)                                    |
| Voltage test between terminals: | 3,00 Un, 50 Hz, 60 seconds (type test)                                       |
| Voltage test terminal / case:   | ≤ 525 V 3000 V, 50 Hz for 10 seconds or > 525 V 3660 V, 50 Hz for 10 seconds |
| Insulation level:               | 3 / 8 kV   |
| External discharge resistor:    | 50 V in 1 min. 1 kVar - 30 kVar or 75 V in 3 min. 30,5 kVar - 62,5 kVar      |
| Cooling:                        | Forced ventilation   |

### Operating Conditions

|                           |   |
|---------------------------|---|
| Ambient temperature:      | - 45 °C / 55 °C   |
| Humidity:                 | up to 95%   |
| Altitude above sea level: | 2000 m.   |
| Overvoltage:              | Un+10% continuous operation<br>Un+15% for 30 min. daily<br>Un+20% for 5 min. daily<br>Un+30% for 1 min. daily |
| Overcurrent:              | up to $1,8 \times I_n$ (Including Harmonics)  |
| Inrush current:           | up to $250 \times I_n$  |
| Service life:             | up to 160.000 hrs.  |
| Harmonic presence:        | NLL < 30%   |

### Safety Features

|                    |   |
|--------------------|---|
| Safety:            | Overpressure disconnector on 3 phase + Incorporated fuses + Self-healing + Discharge device |
| Protection degree: | IP20  |

### Construction

|               |  |
|---------------|--|
| Casing:       | Aluminium can  |
| Dielectric:   | Special polypropylene film with slope metallisation and wave-cut |
| Impregnation: | Special polyurethane resin, Non-PCB                              |

### Installation

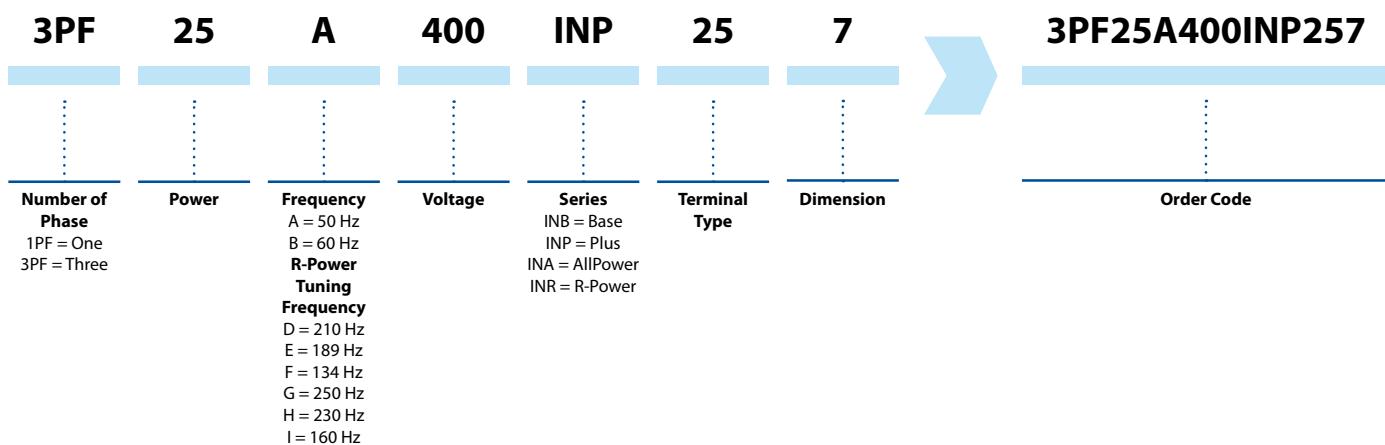
|                       |  |
|-----------------------|--|
| Mounting position:    | Vertical preferable for better cooling   |
| Fastening & Earthing: | Through 1 point, screw M12 at the bottom |

**RCM-INR CAPACITOR RATED VOLTAGE 440 V / 525 V - 3 PHASE - 50 Hz  
REACTOR RATED VOLTAGE 400 V - 189 Hz - P=7%**

| CAPACITOR POWER |            | POWER REACTOR | TOTAL POWER LC CAPACITOR + REACTOR | RATED CAPACITANCE | RATED INDUCTANCE | In CURRENT | AVAILABLE DIMENSIONS* |                 | TERMINAL TYPE | PCS/BOX | PCS/BOX     | PCS/BOX |
|-----------------|------------|---------------|------------------------------------|-------------------|------------------|------------|-----------------------|-----------------|---------------|---------|-------------|---------|
| 440 V kVar      | 525 V kVar | 400 V kVar    | 400 V kVar                         | 3 x µF            | 3 x mH           | 400 V      | ø x H 440 V (7)       | ø x H 525 V (8) | mmq           | ø 85    | ø 100 ø 116 | ø 136   |
| 2,5             | 3,6        | 2,2           | 2,2                                | 13,7              | 17,30            | 3,2        | 85 x 225              | 85 x 225        | MT 16         | 9       | -           | -       |
| 2,8             | 4,0        | 2,5           | 2,5                                | 15,4              | 15,33            | 3,6        | 85 x 225              | 85 x 225        | MT 16         | 9       | -           | -       |
| 5               | 7,1        | 4,4           | 4,4                                | 27,4              | 8,64             | 6,4        | 85 x 225              | 85 x 225        | MT 16         | 9       | -           | -       |
| 5,6             | 8,0        | 5,0           | 5                                  | 30,8              | 7,66             | 7,2        | 85 x 225              | 85 x 225        | MT 16         | 9       | -           | -       |
| 6,25            | 8,9        | 5,5           | 5,5                                | 34,3              | 6,90             | 8,0        | 85 x 225              | 85 x 225        | MT 16         | 9       | -           | -       |
| 7               | 10,0       | 6,25          | 6,25                               | 38,6              | 6,13             | 9,0        | 85 x 225              | 85 x 225        | MT 16         | 9       | -           | -       |
| 10              | 14,2       | 8,9           | 8,9                                | 54,8              | 4,32             | 12,8       | 85 x 285              | 85 x 285        | MT 16         | 9       | -           | -       |
| 11,3            | 16,0       | 10            | 10                                 | 61,7              | 3,83             | 14,4       | 85 x 285              | 85 x 285        | MT 16         | 9       | -           | -       |
| 12,5            | 17,8       | 11,1          | 11,1                               | 68,5              | 3,46             | 16,0       | 85 x 285              | 100 x 300       | MT 16 / 25    | 9       | 5           | -       |
| 14,1            | 20,0       | 12,5          | 12,5                               | 77,1              | 3,07             | 18,0       | 85 x 285              | 100 x 300       | MT 16 / 25    | 9       | 5           | -       |
| 15              | 21,3       | 13,3          | 13,3                               | 82,2              | 2,88             | 19,2       | 85 x 285              | 100 x 300       | MT 16 / 25    | 9       | 5           | -       |
| 16,9            | 24,0       | 15            | 15                                 | 92,6              | 2,50             | 21,7       | 100 x 300             | 100 x 300       | MT 25         | -       | 5           | -       |
| 20              | 28,5       | 17,8          | 17,8                               | 109,6             | 2,17             | 25,6       | 100 x 300             | 116 x 285       | MT 25         | -       | 5           | -       |
| 22,5            | 32,0       | 20            | 20                                 | 123,4             | 1,90             | 28,9       | 116 x 285             | 116 x 285       | MT 25         | -       | 5           | -       |
| 25              | 35,6       | 22,2          | 22,2                               | 137,0             | 1,73             | 32,0       | 116 x 285             | 136 x 300       | MT 25         | -       | 5           | 4       |
| 28,1            | 40,0       | 25            | 25                                 | 154,0             | 1,53             | 36,0       | 116 x 285             | 136 x 300       | MT 25         | -       | 5           | 4       |
| 30              | 42,7       | 26,7          | 26,7                               | 164,4             | 1,44             | 38,4       | 116 x 285             | 136 x 300       | MT 25         | -       | 5           | 4       |
| 33,8            | 48,1       | 30            | 30                                 | 185,1             | 1,30             | 43,3       | 136 x 300             | 136 x 300       | MT 25         | -       | -           | 4       |
| 40              | 56,9       | 35,5          | 35,5                               | 219,2             | 1,08             | 51,3       | 136 x 300             | 136 x 375       | MT 25         | -       | -           | 4 / 2   |
| 45              | 64,1       | 40            | 40                                 | 246,8             | 0,96             | 57,7       | 136 x 300             | 136 x 375       | MT 25         | -       | -           | 4 / 2   |
| 50              | 2 x 35,6   | 44,4          | 44,4                               | 274,0             | 0,86             | 64,1       | 136 x 375             | -               | MT 35         | -       | -           | 2       |
| 56,3            | 2 x 40     | 50            | 50                                 | 308,5             | 0,77             | 72,1       | 136 x 375             | -               | MT 35         | -       | -           | 2       |
| 2 x 33,8        | 2 x 48,1   | 66            | 66                                 | 407,6             | 0,58             | 95,3       | -                     | -               | -             | -       | -           | -       |
| 2 x 40          | 3 x 40     | 75            | 75                                 | 463,6             | 0,51             | 108,4      | -                     | -               | -             | -       | -           | -       |
| 2 x 50          | 4 x 35,6   | 90            | 90                                 | 549,8             | 0,43             | 128,6      | -                     | -               | -             | -       | -           | -       |
| 2 x 56,3        | 4 x 40     | 100           | 100                                | 622,2             | 0,38             | 145,5      | -                     | -               | -             | -       | -           | -       |

Other capacitor powers and voltages are available on request. Contact us [info@gruppoenergia.it](mailto:info@gruppoenergia.it)

## How To ORDER?



\*All dimensions are in "mm" and will be confirmed at the time of order.