

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

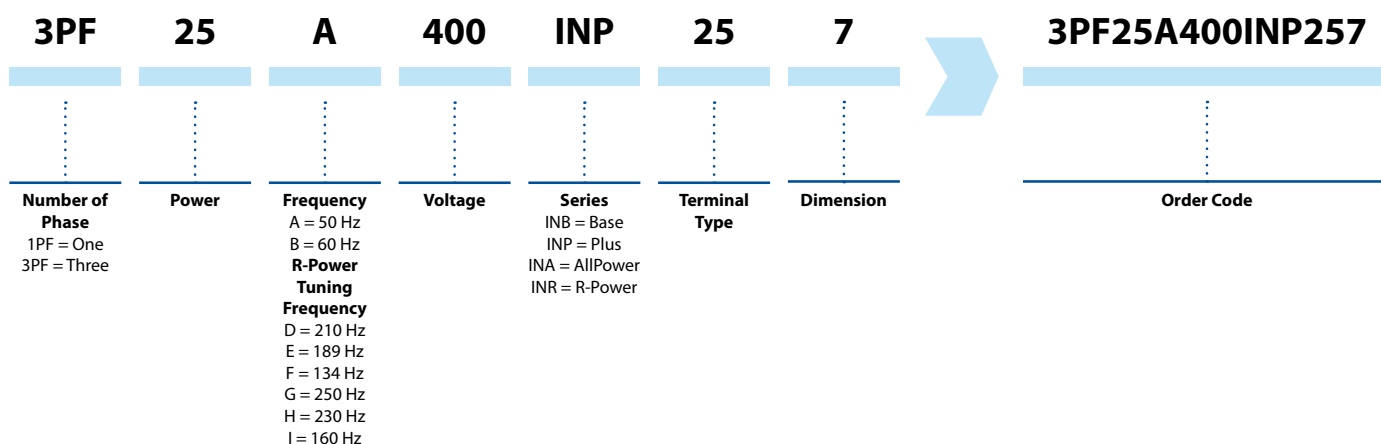
<b>General</b>	
Standards:	IEC 60831-1:2014, UL810, VDE 0560-46:2014-11
Origin:	100% made in Italy
Voltage range:	220 V to 550 V
Frequency:	50 Hz / 60 Hz
Power range:	2,5 kVar to 50 kVar
Dielectric losses:	< 0,2 W/kVar
Total losses:	< 0,5 W/kVar
Capacitance tolerance:	± 5%
Voltage test between terminals:	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
<b>Operating Conditions</b>	
Ambient temperature:	- 45 °C / 55 °C
Humidity:	up to 95%
Altitude above sea level:	2000 m.
Overvoltage:	Un+10% continuous operation Un+15% for 30 min. daily Un+20% for 5 min. daily 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 < 30%
<b>Safety Features</b>	
Safety:	Overpressure disconnecter on 3 phase + Incorporated fuses + Self-healing + Discharge device
Protection degree:	IP20
<b>Construction</b>	
Casing:	Aluminium can
Dielectric:	Special polypropylene film with slope metallisation and wave-cut
Impregnation:	Special polyurethane resin, Non-PCB
<b>Installation</b>	
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 $\mu$ F	3 x mH	400 V	$\varnothing$ x H 440 V (7)	$\varnothing$ x H 525 V (8)	mmq	$\varnothing$ 85	$\varnothing$ 100 $\varnothing$ 116	$\varnothing$ 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.