

SINGLE PHASE SEPARATION TRANSFORMERS MC range

Natural air cooling type AN, resin impregnated and tropicalized.
 Separated aluminium windings

TECHNICAL SPECIFICATION

Rated power	from 4kVA to 100kVA
Input voltage	230V or one from 110V to 550V on request
Output voltage	12/24V or 24/48V or 55/110V or 110/220V
Frequency	50/60 Hz
Grade of protection	IP00
Protection class	I
Isolation class	E
Temperature class	F-H
Max ambient temperature	40°C
Max temperature rise	< 100°C
Max full load voltage regulation	3,5%
Short circuit voltage	6% max
Full load efficiency	> 95%
Applied standards	CEI EN61558-2-1

FEATURES

Earth connection terminal
 Front connection terminals or terminal board with bolts sized according to rated current
 Rating plate



Power kVA	Output (secondary) voltage V			
	12/24	24/48	55/110	110/220
4	MC267030	MC267031	MC267032	MC267033
5	MC287030	MC287031	MC287032	MC287033
7.5	MC337030	MC337031	MC337032	MC337032
10	MC387030	MC387031	MC387032	MC387032
15	MC427030	MC427031	MC427032	MC427033
20	MC467030	MC467031	MC467032	MC467033
30		MC547031	MC547032	MC547033
40		MC627031	MC627032	MC627033
50			MC707032	MC707033
60			MC727032	MC727033
80			MC767032	MC767033
100			MC807032	MC387033

Part numbers for input voltage different from 230V or custom secondary voltages, remove the last three digits of the code and require the voltage combination codes to complete the part number according to input/output voltage combination

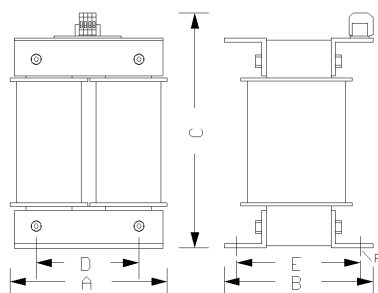
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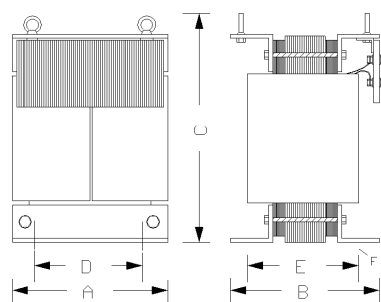
ELECTRICAL CHARACTERISTIC

power KVA	Apparent power according to cos-phi							SCV %	Regulation %	losses W
	0.9	0.8	0.7	0.6	0.5	0.4	0.3			
4	8.2	8.6	9.2	9.5	11.4	13.6	14.2	4.8	<5	140
5	8.5	11.3	11.9	12.7	13.6	14.8	15.4	5.2	<5	175
7.5	12.7	13.6	15.0	17.3	19.5	21.6	23.2	5.0	<5	250
10	17	18.5	21	23.4	25.2	28.4	31.0	4.6	<5	325
15	24.4	26.4	27	31.8	36.2	41.0	46.5	5.0	<5	450
20	28	30.8	31.2	36	42.3	50.1	62.0	4.8	<5	560
30		42.0			61.5			4.3	<4	760
40		56.0			83.8			4.3	<4	960
50		68.0			106.1			3.8	<4	1250
60		84.0			121.0			3.5	<4	1330
80		111.0			163.0			3.5	<3	1680
100		135.0			200.0			3.5	<3	1980

DIMENSIONS AND WEIGHT



OUTPUT CURRENT UP TO 63 A



OUTPUT CURRENT > 63 A

Power kVA	dimensions mm.						Weight Kg,	Box CODE
	a	b	c	d	e	F		
4	240	240	320	200	135	12	35	SAM02
5	240	250	320	200	145	12	37	SAM02
7.5	280	240	400	220	155	12	52	SAM03
10	280	250	400	220	165	12	61	SAM03
15	320	260	450	260	185	12	89	SAM04
20	320	280	450	260	205	12	99	SAM04
30	360	280	460	300	230	11X30	135	SAM04
40	360	290	550	300	250	11X30	172	SAM05
50	400	300	610	340	220	11X30	197	SAM05
60	400	320	610	420	260	12X30	230	SAM05
80	480	320	730	420	280	12X30	320	SAM07
100	600	550	900	480	400	12X30	480	SAM09

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