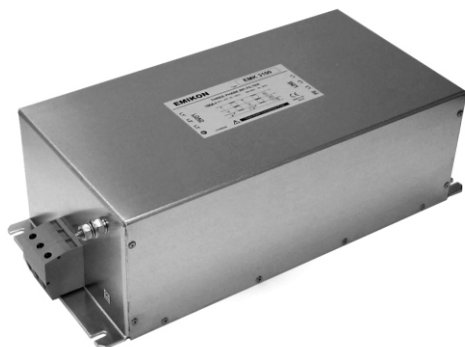


# EMK 3 series



### Aplicaciones

Las series EMK están especialmente diseñadas para variadores de frecuencia, inversers, sistemas de control de velocidad de motores, usos industriales, etc... De acuerdo con las ultimas normas EMC (compatibilidad electromagnética) y de seguridad BT (baja tensión) aplicables.

### Características Principales

- Alta atenuación en modo simétrico y asimétrico
- Baja corriente de fugas
- Fácil de instalar / construcción compacta

### Aplications

The EMK series are specially designed for industrial frequency inverters, power drive systems and industrial power installations. According to the latest EMC and safety standards.

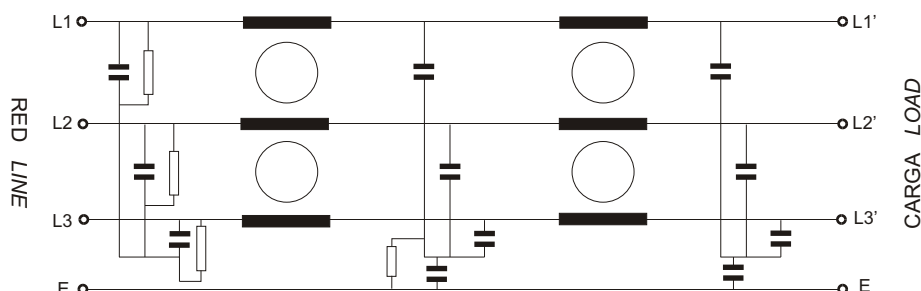
### Features Include

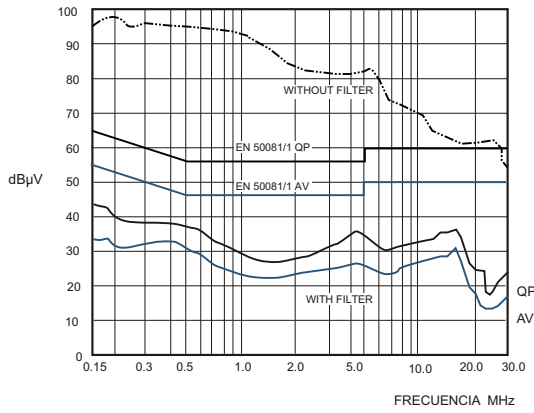
- High attenuation in assym. and symm. modes
- Low leakage current
- Easy to install / compact construction

## Características Features

TIPO TYPE	INTENSIDAD NOMINAL RATING @ 40°C (A)	TENSION VOLTAGE 3ph	SECCION MAX. DEL CONDUCTOR MAX. CABLE ENTRY (mm <sup>2</sup> )	CORRIENTE DE FUGA LEAKAGE CURRENT Nom. (mA) Max.		PERDIDA DE POTENCIA POWER LOSS (W)	PESO WEIGHT (Kg)	CAJA TIPO BOX TYPE	TERMINAL TERMINAL
EMK 3006	6	480VAC	6	0.5	27	8	1.6	C	BORNES SHROUDED
EMK 3012	12	480VAC	6	0.5	27	10	1.6	C	BORNES SHROUDED
EMK 3020	20	480VAC	10	0.5	27	15	2.2	D	BORNES SHROUDED
EMK 3030	30	480VAC	10	0.5	27	27	2.3	D	BORNES SHROUDED
EMK 3040	40	480VAC	10	0.5	27	30	2.4	D	BORNES SHROUDED
EMK 3050	50	480VAC	16	0.5	27	50	3.1	E	BORNES SHROUDED
EMK 3060	60	480VAC	16	0.5	27	51	3.5	E	BORNES SHROUDED
EMK 3070	70	480VAC	25	0.5	27	44	7.5	F	BORNES SHROUDED
EMK 3100	100	480VAC	35	0.75	130	69	10.2	G	BORNES SHROUDED
EMK 3120	120	480VAC	50	0.75	130	45	13.8	G	BORNES SHROUDED
EMK 3150	150	480VAC	95	0.75	130	49	15.6	H	BORNES SHROUDED
EMK 3170	170	480VAC	95	0.75	130	80	16.4	H	BORNES SHROUDED
EMK 3180	180	480VAC	95	0.75	130	82	16.4	H	BORNES SHROUDED
EMK 3220	220	480VAC	M12	1.3	150	48	22.6	J	ROSCADO SCREW
EMK 3230	230	480VAC	M12	1.3	150	50	22.6	J	ROSCADO SCREW
EMK 3280	280	480VAC	M12	1.3	150	60	25.7	J	ROSCADO SCREW
EMK 3400	400	480VAC	M16	1.3	150	80	30.5	J	ROSCADO SCREW
EMK 3500	500	480VAC	M16	1.3	150	100	31.6	N	PLETINA BUSBAR
EMK 3660	660	480VAC	M16	1.3	150	125	32.8	N	PLETINA BUSBAR
EMK 3880	880	480VAC	M16	1.3	150	210	33.4	N	PLETINA BUSBAR
EMK 3990	1000	480VAC	M16	1.3	150	300	34.7	N	PLETINA BUSBAR

## Circuito Eléctrico Electrical Schematic





**Prestaciones**

El gráfico siguiente muestra los valores típicos de atenuación de la perturbación conducida, al intercalar un filtro EMK en serie con un variador de velocidad, conectado a un motor mediante un conductor apantallado de 25m.

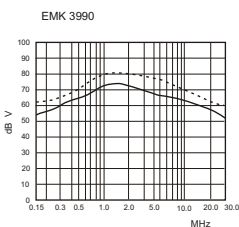
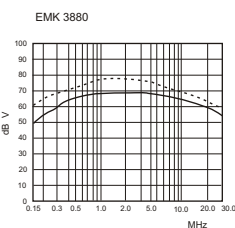
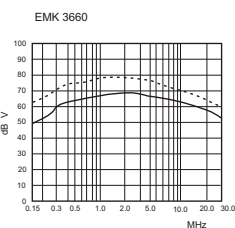
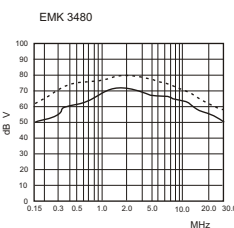
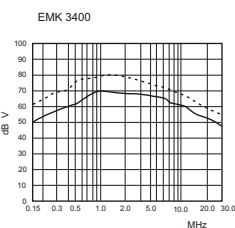
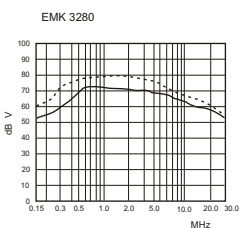
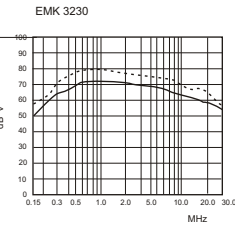
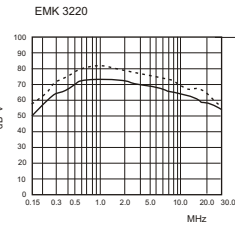
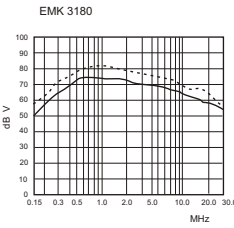
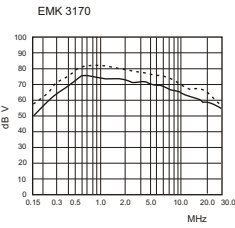
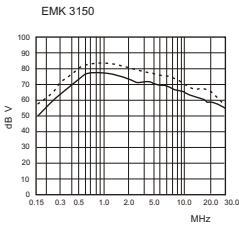
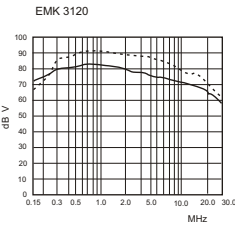
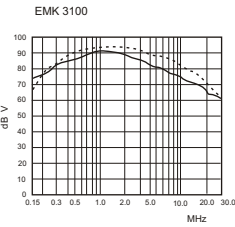
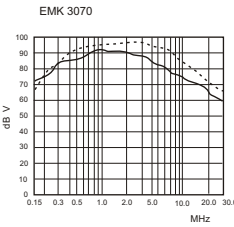
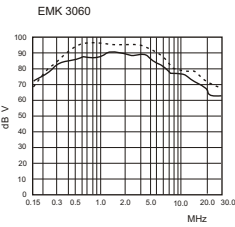
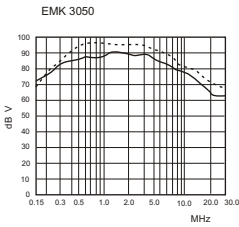
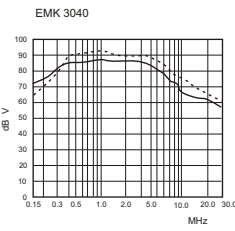
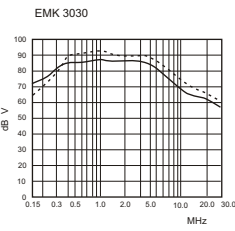
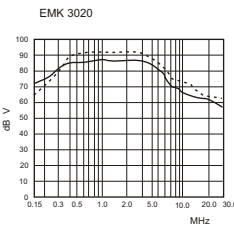
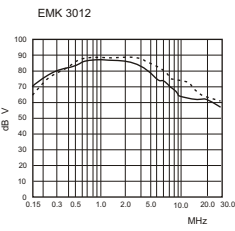
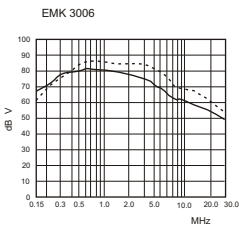
**Performance**

The graph below shows the typical values of conduct interference attenuation, when fitting an EMK filter with a frequency inverter, connected to a motor through 25m screened motor cable.

**Perdidas de Inserción**

**Insertion Loss**

— Modo asimétrico  
Asymmetric mode      - - - - - Modo simétrico  
Symmetric mode

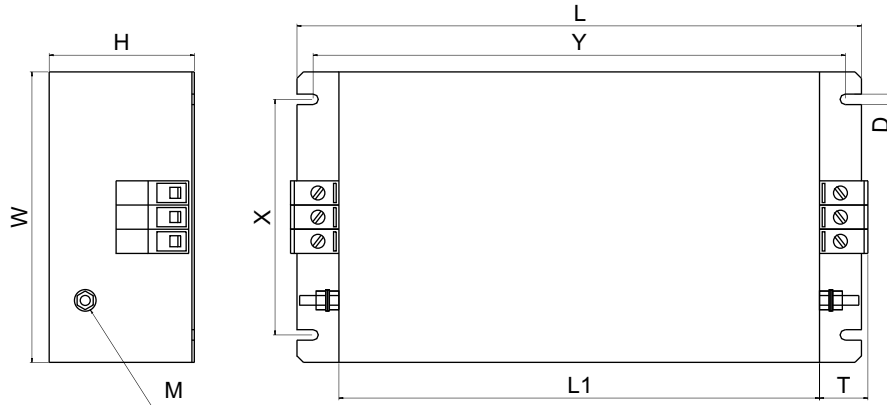


# EMK 3 series

## Dimensiones Cajas Metálicas

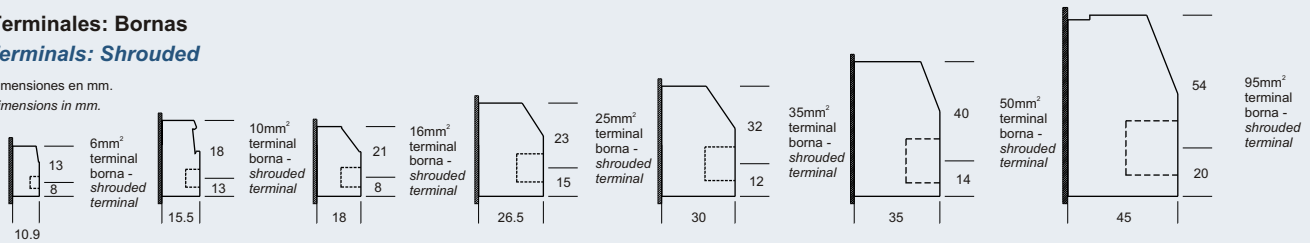
## Box Dimensions

Box type: **C** **D** **E** **F** **G** **H**

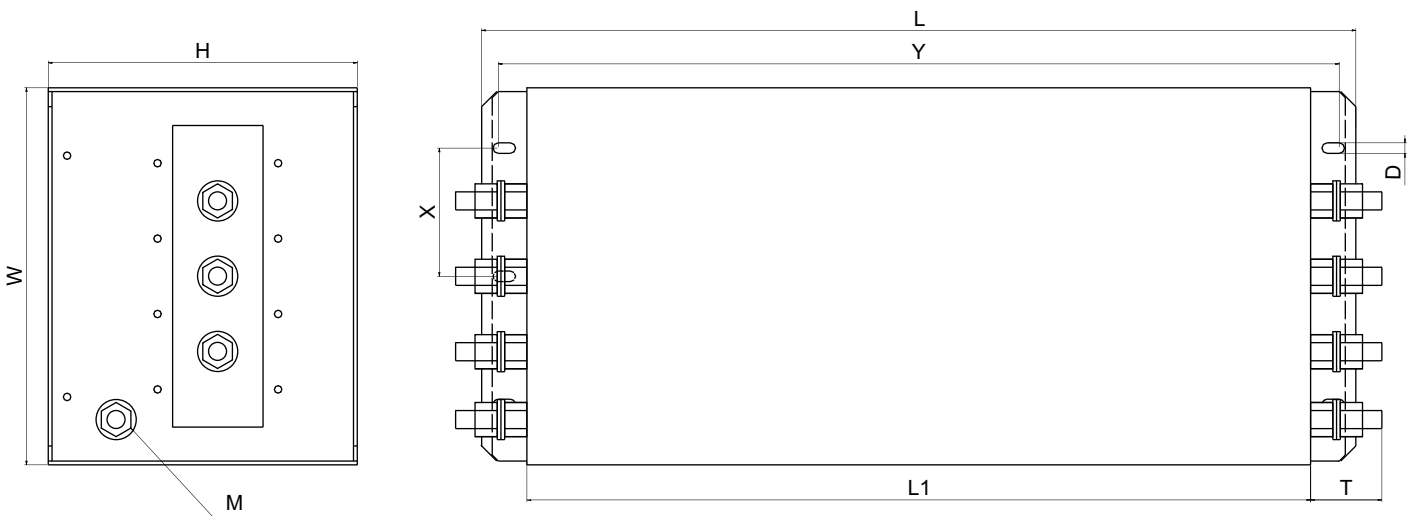


### Terminales: Bornas Terminals: Shrouded

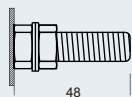
Dimensiones en mm.  
Dimensions in mm.



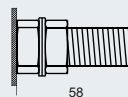
Box type: **J**



### Terminales: Roscado Terminals: Screw



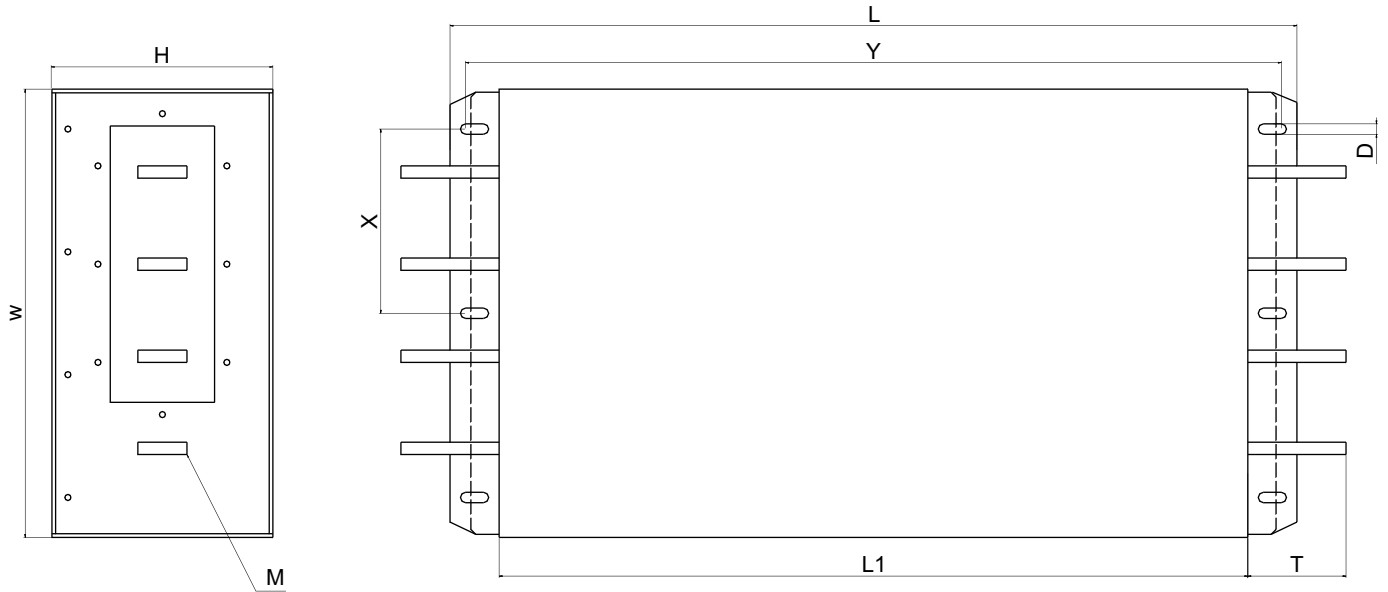
M12 terminal roscado - screw terminal



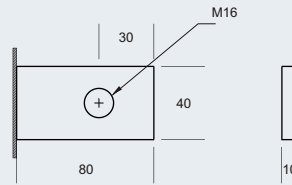
M16 terminal roscado - screw terminal

Dimensiones en mm.  
Dimensions in mm.

Box type: **N**



**Terminales: Pletina**  
**Terminals: Busbar**



Dimensiones en mm.  
Dimensions in mm.

TIPO TYPE	Box type	L	W	H	L1	Y	X	T	D	M	TERMINAL TERMINAL
EMK 3006	C	250	110	60	220	238	76	10.9	M6	M5	BORNAS / SHROUDED
EMK 3012	C	250	110	60	220	238	76	10.9	M6	M5	BORNAS / SHROUDED
EMK 3020	D	270	140	60	240	258	106	10.9	M6	M5	BORNAS / SHROUDED
EMK 3030	D	270	140	60	240	258	106	15.5	M6	M5	BORNAS / SHROUDED
EMK 3040	D	270	140	60	240	258	106	15.5	M6	M5	BORNAS / SHROUDED
EMK 3050	E	270	140	90	240	258	106	18	M6	M5	BORNAS / SHROUDED
EMK 3060	E	270	140	90	240	258	106	18	M6	M5	BORNAS / SHROUDED
EMK 3070	F	350	180	90	298	338	146	26.5	M6	M6	BORNAS / SHROUDED
EMK 3100	G	420	200	130	375	408	166	30	M6	M6	BORNAS / SHROUDED
EMK 3120	G	420	200	130	375	408	166	30	M6	M6	BORNAS / SHROUDED
EMK 3150	H	490	200	160	398	468	166	35	M6	M10	BORNAS / SHROUDED
EMK 3170	H	490	200	160	398	468	166	45	M6	M10	BORNAS / SHROUDED
EMK 3180	H	490	200	160	398	468	166	45	M6	M10	BORNAS / SHROUDED
EMK 3220	H	490	200	160	398	468	166	45	M6	M10	BORNAS / SHROUDED
EMK 3230	J	580	250	205	520	550	170-85	48	M6	M16	ROSCADO SCREW
EMK 3280	J	580	250	205	520	550	170-85	48	M6	M16	ROSCADO SCREW
EMK 3400	J	580	250	205	520	550	170-85	58	M6	M16	ROSCADO SCREW
EMK 3500	N	690	365	180	610	635.5	300-150	80	M8	PLETINA BUSBAR	PLETINA BUSBAR
EMK 3660	N	690	365	180	610	635.5	300-150	80	M8	PLETINA BUSBAR	PLETINA BUSBAR
EMK 3880	N	690	365	180	610	635.5	300-150	80	M8	PLETINA BUSBAR	PLETINA BUSBAR
EMK 3990	N	690	365	180	610	635.5	300-150	80	M8	PLETINA BUSBAR	PLETINA BUSBAR

Dimensiones en mm.  
Dimensions in mm.