

**MOTOR MAC QI 250 M**

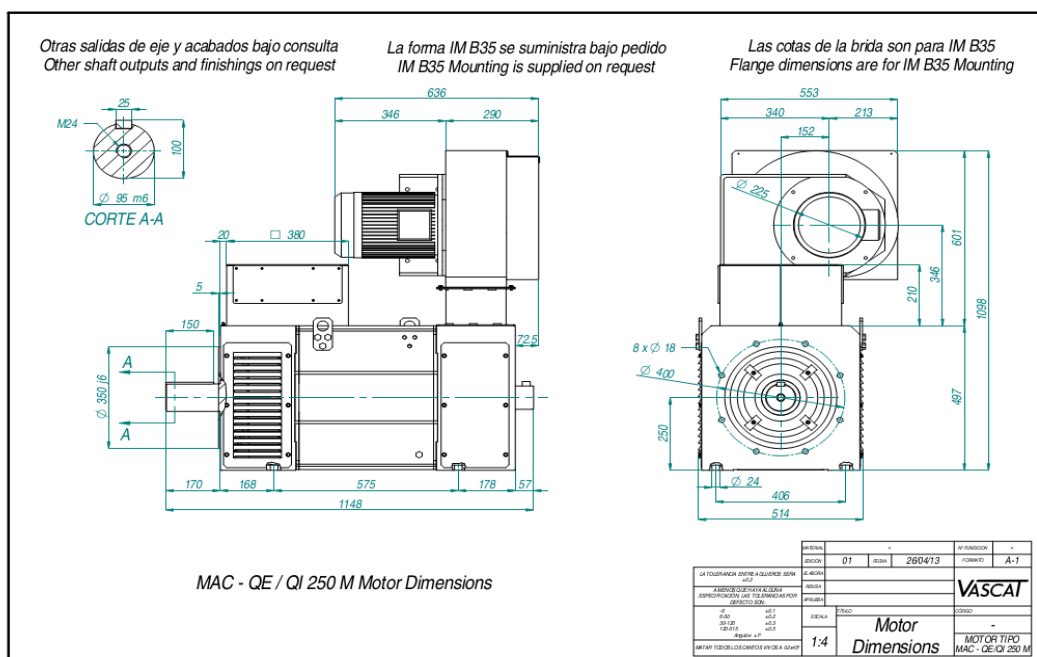
- Hoja de Datos Técnicos -
- Technical Datasheet -

Código DT-QI250M
Edición 09
Página 1/2
Fecha 25/03/2015

Ventilador / Fan		Rodamientos		Delantero		Trasero	
Tipo de Refrigeración		Bearings		Drive End		Non Drive End	
Cooling Mode		Nº de polos		Momento de inercia		Peso Motor	
Alimentación / Supply		No of poles		Rotor Inertia		Motor Weight	
Potencia / Power		Protección		Construcción		Equilibrado grado	
Corriente / Current		Protection Degree		Mounting		Balancing degree	
Velocidad / Speed		Nivel de ruido		Velocidad máxima mecánica		Ambiente	
Caudal / Air flow		Noise Level		Max. Mechanical Speed		Ambient	
Presión / Pressure		Aislamiento Clase		Protección Térmica		Ambiente	
Por favor, indicar en los pedidos la alimentación deseada para el ventilador / Please indicate the required fan supply voltage when placing your order		Insulation Class		Thermal Protection		Ambiente	
Freno de Bloqueo (opcional)		Normas de referencia		Conmutación Variador		4 kHz; du/dt TS60034-25 Type B	
Holding Brake (optional)		Reference Standards		Inverter Switching			
		300 Nm		24 Vdc		18 Kg	
		2.5 A		60 W		J = 0.0017 Kg m ²	
Tensión de Base del Motor		Vb		Tensión Máxima de Salida del Convertidor		Vc	
Motor Base Voltage		400 V		Inverter max. Output Voltage		400 V	

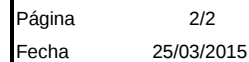
Servicio / Service S1							Servicio / Service S6 - 40%						
Bobinado Winding	Nm	A	KW	rpm	Hz	Velocidad a Pot. Cte Const. Power Speed. (rpm)	Nm	A	KW	rpm	Hz	Velocidad a Pot. Cte Const. Power Speed. (rpm)	Corriente en vacío No Load Current (A)
A61	2270	189	95	399	21.0	630	3390	276	142	399	21.3	460	51
B61	2270	244	124	522	27.0	820	3372	348	184	522	27.3	600	94
C61	2270	312	162	681	35.0	1080	3374	446	241	681	35.3	790	117
D61	2270	341	176	742	38.0	1170	3371	484	262	742	38.3	860	133
E61	2270	381	200	841	43.0	1330	3374	544	297	841	43.3	980	143
F61	2270	425	224	942	48.0	1490	3373	606	332	942	48.3	1090	162
G61	2270	485	257	1082	55.0	1710	3373	692	382	1082	55.3	1260	184
H61	2100	532	278	1263	64.0	2000	3112	750	411	1263	64.3	1470	224
F62	1850	627	326	1685	85.0	2670	2736	874	482	1685	85.2	1970	282

Otras Velocidades disponibles bajo consulta a nuestra O.T. / Other speeds available under request



Datos Técnicos sujetos a modificaciones sin previo aviso / Technical data are subject to changes without prior notice

Elabora:	Revisa:	Aprueba:
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	Servicio / Service S1						Servicio / Service S6 - 40%						
Bobinado Winding	Nm	A	KW	rpm	Hz	Velocidad a Pot.Cte Const. Power Speed. (rpm)	Nm	A	KW	rpm	Hz	Velocidad a Pot.Cte Const. Power Speed. (rpm)	Corriente en vacío No Load Current (A)
E61	2270	381	200	841	43.0	1330	3374	544	297	841	43.3	980	143

Curva de Par / Torque Diagram

The diagram plots Torque (Nm) on the Y-axis (0 to 4000) against RPM on the X-axis (0 to 2000). It shows the performance limits for two services and the resulting load curves.

Legend:

- Limite Servicio S6 Limit for Service S6 (Thin black line)
- Limite Servicio S1 Limit for Service S1 (Thick black line)
- Carga / Load Nm 1 (Blue line)
- Carga / Load Nm 2 (Red line)

Key Data Points (Estimated):

rpm	Limite Servicio S6 (Nm)	Limite Servicio S1 (Nm)	Carga / Load Nm 1 (Nm)	Carga / Load Nm 2 (Nm)
0	3350	2250	2250	2250
800	3350	2250	2250	2250
1000	2900	1900	1900	1900
1200	2100	1600	1600	1600
1400	1400	1200	1200	1200
1600	900	900	900	900
1750	750	750	750	750

Curva de Potencia / Power Diagram

The diagram illustrates the power requirements for two services, S6 and S1, across a range of RPM from 0 to 2000. The Y-axis represents Power in KW, ranging from 0 to 350. The X-axis represents RPM, ranging from 0 to 2000. The legend identifies four data series: 'Limite Servicio S6 Limit for Service S6' (thin black line), 'Limite Servicio S1 Limit for Service S1' (thick black line), 'Carga / Load KW 1' (blue line), and 'Carga / Load KW 2' (red line). The S6 limit curve rises linearly to 300 KW at 850 RPM, remains constant until 1000 RPM, and then decreases. The S1 limit curve rises linearly to 200 KW at 850 RPM, remains constant until 1350 RPM, and then decreases. The actual loads KW1 and KW2 are not visible on the graph, likely because they are below the S1 limit.

RPM	Limite Servicio S6 Limit for Service S6 (KW)	Limite Servicio S1 Limit for Service S1 (KW)	Carga / Load KW 1 (KW)	Carga / Load KW 2 (KW)
0	0	0	0	0
200	60	40	0	0
400	120	80	0	0
600	180	120	0	0
800	240	160	0	0
850	300	200	0	0
1000	300	200	0	0
1200	240	200	0	0
1350	180	200	0	0
1500	140	170	0	0
1750	100	140	0	0