



MOTOR MAC QI 200 M

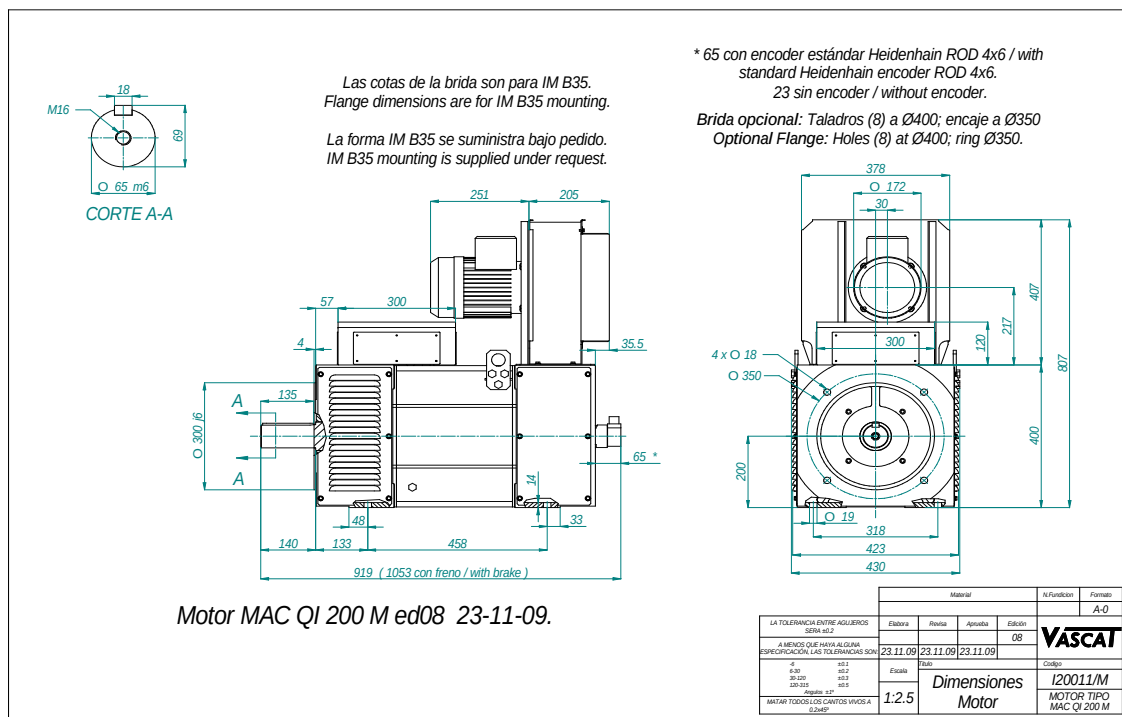
- Hoja de Datos Técnicos -
- Technical Datasheet -

Código DT-QI200M
Edición 09
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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			
Caudal / Air flow		Noise Level		Max. Mechanical Speed			
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		Ambient	
		Normas de referencia		Conmutación Variador			
		Reference Standards		Inverter Switching			
Freno de Bloqueo (opcional)		300 Nm		24 Vdc		18 Kg	
Holding Brake (optional)				2.5 A		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	Nm	A	KW	rpm	Hz	Velocidad a Pot.Cte	Nm	A	KW	rpm	Hz	Velocidad a Pot.Cte	Corriente en vacío
Winding						Const. Power Speed.						Const. Power Speed.	No Load Current
						(rpm)						(rpm)	(A)
A61	850	82	42	470	25	940	1260	117	62	470	26	690	32
B61	850	98	51	570	30	1140	1260	139	75	570	31	840	40
C61	850	124	65	730	38	1460	1260	175	96	730	39	1070	51
D61	850	157	83	930	48	1860	1250	220	122	930	49	1380	67
E61	850	196	106	1190	61	2380	1260	277	157	1190	62	1750	79
F61	850	235	127	1430	73	2860	1260	331	189	1430	74	2110	97
G61	850	261	141	1590	81	3180	1250	367	208	1590	82	2360	109
H61	820	285	155	1810	92	3620	1210	401	229	1810	93	2680	119
I 61	790	316	171	2070	105	4000	1160	443	251	2070	106	3070	139

Otras velocidades disponibles bajo consulta a nuestra O.T. / Other speeds available on 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)
G61	850	261	141	1590	81	3180	1250	367	208	1590	82	2360	109

Curva de Par / Torque Diagram

The diagram plots torque (Nm) on the y-axis (0 to 1400) against speed (rpm) on the x-axis (0 to 4500). It shows the performance limits for two services and the operating range for two different loads.

- Límite Servicio S6 Limit for Service S6:** Represented by a thin black line. It starts at approximately 1250 Nm from 0 to 1600 rpm, then decreases to about 850 Nm at 2400 rpm, and continues to decrease to approximately 450 Nm at 3200 rpm.
- Límite Servicio S1 Limit for Service S1:** Represented by a thick black line. It starts at approximately 850 Nm from 0 to 1600 rpm, then decreases to about 650 Nm at 2000 rpm, and continues to decrease to approximately 250 Nm at 4000 rpm.
- Carga / Load Nm 1:** Represented by a blue line. It starts at 0 Nm and increases linearly to 1000 Nm at 3200 rpm.
- Carga / Load Nm 2:** Represented by a red line. It starts at 0 Nm and increases linearly to 1000 Nm at 3200 rpm.

The operating range for both loads (Nm 1 and Nm 2) is from 0 to 3200 rpm, where the torque is limited by the S6 service limit. Beyond 3200 rpm, the torque is limited by the S1 service limit.

Curva de Potencia / Power Diagram

This graph illustrates the power limits and loads for two services, S6 and S1, across a range of RPM from 0 to 4500. The Y-axis represents power in KW, ranging from 0 to 250. The X-axis represents RPM, ranging from 0 to 4500.

Legend:

- 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)
- Carga / Load KW 2 (Red line)

Data Series:

- Limite Servicio S6 Limit for Service S6:** Starts at (0, 0), increases linearly to (1600, 210), remains constant at 210 KW until 2350 RPM, then decreases linearly to (4000, 105).
- Limite Servicio S1 Limit for Service S1:** Starts at (0, 0), increases linearly to (1600, 140), remains constant at 140 KW until 3200 RPM, then decreases linearly to (4000, 105).
- Carga / Load KW 1:** Represented by a blue line that follows the S1 limit curve.
- Carga / Load KW 2:** Represented by a red line that follows the S1 limit curve.

RPM	Limite Servicio S6 (KW)	Limite Servicio S1 (KW)
0	0	0
500	52.5	52.5
1000	105	105
1500	157.5	140
1600	210	140
2000	210	140
2350	210	140
2500	195	140
3000	157.5	140
3200	140	140
3500	112.5	125
4000	105	105