



MOTOR MAC QI 200 M

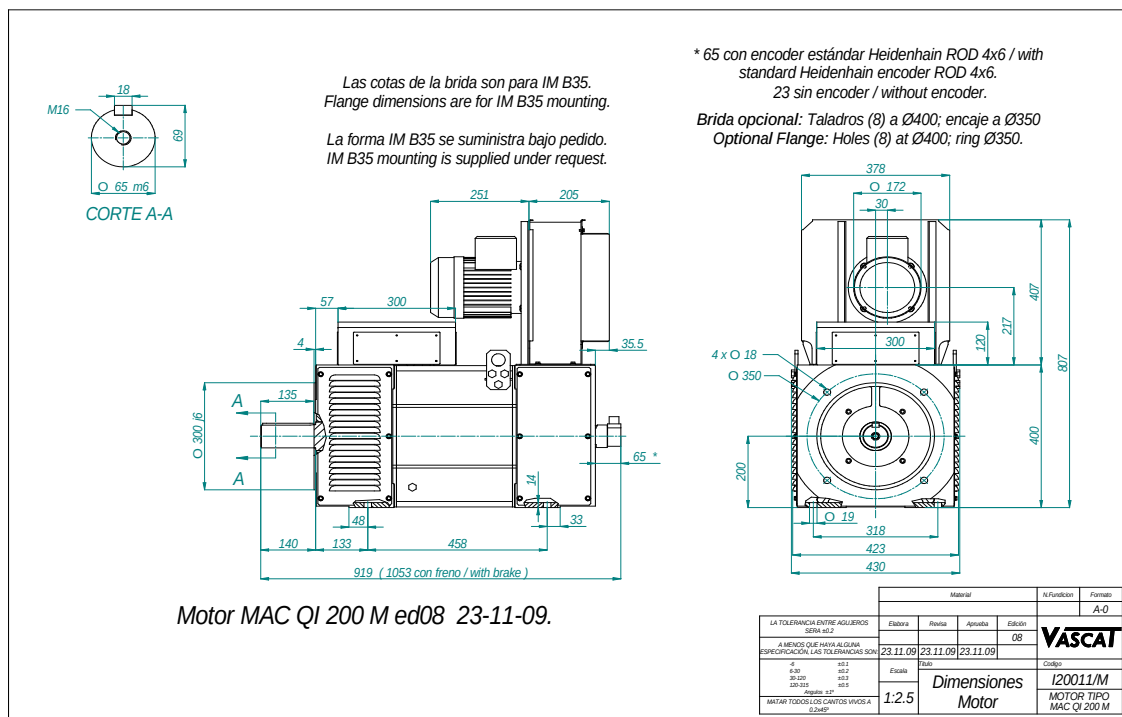
- Hoja de Datos Técnicos -
- Technical Datasheet -

Código DT-QI200M
Edición 09
Página 1/2
Fecha 30/04/2015

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			
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	
Freno de Bloqueo (opcional)		Normas de referencia		Conmutación Variador			
Holding Brake (optional)		Reference Standards		Inverter Switching			
Tensión de Base del Motor		300 Nm		24 Vdc		18 Kg	
Motor Base Voltage		Vb		400 V		J = 0.0017 Kg m ²	
Tensión Máxima de Salida del Convertidor		Vc		400 V			
Inverter max. Output Voltage							

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)
B61	850	98	51	570	30	1140	1260	139	75	570	31	840	40

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 1600). It shows the performance limits for two services and the operating curves for two different loads.

- Límite Servicio S6 Limit for Service S6:** A thin black line that is constant at approximately 1250 Nm from 0 to 550 rpm, then decreases to about 400 Nm at 1150 rpm, and continues to decrease more gradually.
- Límite Servicio S1 Limit for Service S1:** A thick black line that is constant at approximately 850 Nm from 0 to 550 rpm, then decreases to about 400 Nm at 1150 rpm, and continues to decrease more gradually.
- Carga / Load Nm 1:** A blue line representing the first load curve, which starts at 850 Nm and follows the S1 limit curve.
- Carga / Load Nm 2:** A red line representing the second load curve, which starts at 850 Nm and follows the S6 limit curve.

rpm	S6 Limit (Nm)	S1 Limit (Nm)	Load Nm 1 (Nm)	Load Nm 2 (Nm)
0	1250	850	850	850
200	1250	850	850	850
400	1250	850	850	850
550	1250	850	850	850
600	1150	800	800	1150
800	900	600	600	900
1000	600	450	450	600
1150	400	400	400	400
1300	300	300	300	300
1500	200	200	200	200

Curva de Potencia / Power Diagram

The diagram illustrates the power limits and loads for two services, S6 and S1, across a range of RPM from 0 to 1600. The Y-axis represents power in kW, ranging from 0 to 80.

- Limite Servicio S6 Limit for Service S6 (Thin Black Line):** This line shows the maximum power limit for Service S6. It starts at 0 kW at 0 rpm, rises linearly to 75 kW at 550 rpm, remains constant at 75 kW until 850 rpm, and then decreases to approximately 50 kW at 1150 rpm.
- Limite Servicio S1 Limit for Service S1 (Thick Black Line):** This line shows the maximum power limit for Service S1. It starts at 0 kW at 0 rpm, rises linearly to 50 kW at 550 rpm, remains constant at 50 kW until 1150 rpm, and then decreases to approximately 35 kW at 1500 rpm.
- Carga / Load KW 1 (Blue Line):** This line represents the load for KW 1. It follows the S1 limit line closely, starting at 0 kW at 0 rpm, rising to 50 kW at 550 rpm, remaining constant until 1150 rpm, and then decreasing to approximately 35 kW at 1500 rpm.
- Carga / Load KW 2 (Red Line):** This line represents the load for KW 2. It follows the S6 limit line closely, starting at 0 kW at 0 rpm, rising to 75 kW at 550 rpm, remaining constant until 850 rpm, and then decreasing to approximately 50 kW at 1150 rpm.

The diagram shows that the power limits for both services are reached at 550 rpm. The S6 limit is higher than the S1 limit, and the S6 load (KW 2) is higher than the S1 load (KW 1) until they both reach their respective limits at 550 rpm.