



MOTOR MAC QI 200 P

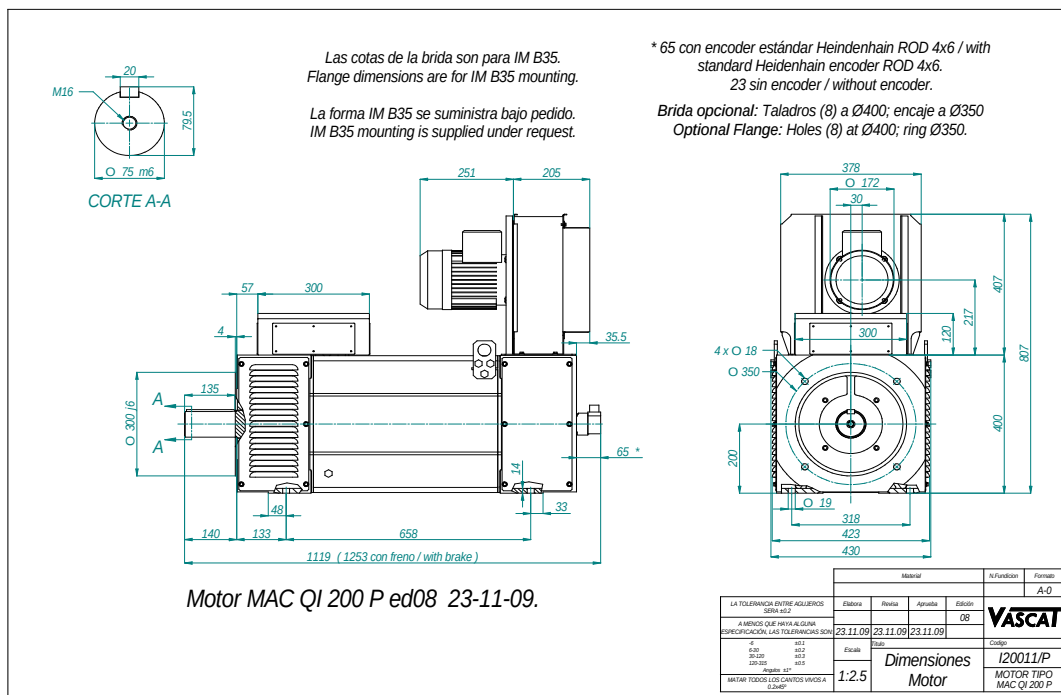
- Hoja de Datos Técnicos -
- Technical Datasheet -

Código DT-QI200P
Edición 10
Página 1/2
Fecha 30/04/2015

Ventilador / Fan		Rodamientos		Delantero		Trasero	
Tipo de Refrigeración		Bearings		Drive End		Non Drive End	
Cooling Mode		IC 06		6316 ZZ C3		6312 ZZC3	
Alimentación / Supply		400V 50Hz		Nº de polos 6		Momento de inercia J=1,324 Kg m ²	
Potencia / Power		1,50 kW		Rotor Inertia		Peso Motor 640 Kg	
Corriente / Current		2,9 A		Protection Degree IP 23		Motor Weight	
Velocidad / Speed		2860 rpm		Construcción IM B3 / B35		Equilibrado grado A	
Caudal / Air flow		2400 m ³ /h		Mounting		Balancing degree	
Presión / Pressure		1000 Pa		Nivel de ruido < 80 dB		Velocidad máxima mecánica 4000 rpm	
Por favor, indicar en los pedidos la alimentación deseada para el ventilador / Please indicate the required fan supply voltage when placing your order		Noise Level		Max. Mechanical Speed		Ambiente < 40 °C < 1000 m	
Presión / Pressure		1000 Pa		Aislamiento Clase F		Thermal Protection PTC 140 °C	
Insulation Class		F		Protección Térmica		Ambiente < 40 °C < 1000 m	
Normas de referencia EN60034		Reference Standards		Conmutación Variador 4 kHz; du/dt TS60034-25 Type B		Inverter Switching	
Freno de Bloqueo (opcional) Holding Brake (optional)		300 Nm		24 Vdc		18 Kg	
Tensión de Base del Motor Motor Base Voltage		Vb 400 V		Tensión Máxima de Salida del Convertidor Inverter max. Output Voltage		Vc 400 V	
						J = 0.0017 Kg m ²	

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	1350	129	64	450	24	990	1990	179	94	450	25	730	60
B61	1350	155	78	550	29	1210	1990	215	115	550	30	890	72
C61	1350	180	92	650	34	1430	1990	250	135	650	35	1060	82
D61	1350	210	109	770	40	1690	1990	293	160	770	41	1250	97
E61	1350	257	134	950	49	2090	1990	357	198	950	50	1550	119
F61	1350	289	151	1070	55	2350	1990	401	223	1070	56	1740	135
G61	1350	330	174	1230	63	2700	1990	458	256	1230	64	2000	154
H61	1350	386	202	1430	73	3140	1990	532	298	1430	74	2320	186
E62	1280	430	228	1700	86	3740	1880	591	335	1700	86	2780	209
F62	1200	461	241	1920	97	4000	1760	629	354	1920	97	3110	236

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:

	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)
C61	1350	180	92	650	34	1430	1990	250	135	650	35	1060	82

Curva de Par / Torque Diagram

This diagram illustrates the torque characteristics of the motor. The Y-axis represents Torque in Newton-meters (Nm), ranging from 0 to 2500. The X-axis represents speed in revolutions per minute (rpm), ranging from 0 to 2000. The diagram shows the service limits for two different services (S6 and S1) and the actual operating loads (Nm1 and Nm2).

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 Nm2 (Red line)

Approximate Data Points:

rpm	Limite Servicio S6 (Nm)	Limite Servicio S1 (Nm)	Carga / Load Nm 1 (Nm)	Carga / Load Nm2 (Nm)
0	2000	1350	1350	1350
200	2000	1350	1350	1350
400	2000	1350	1350	1350
600	2000	1350	1350	1350
800	1650	1100	1100	1100
1000	1300	850	850	850
1200	950	700	700	700
1400	650	600	600	600
1600	450	450	450	450
1800	300	300	300	300
2000	150	150	150	150

Curva de Potencia / Power Diagram

The diagram plots power in kW (Y-axis, 0 to 160) against speed in rpm (X-axis, 0 to 2000). It shows the power requirements for two different services and two different loads.

- Límite Servicio S6 Limit for Service S6:** Represented by a thin black line. It starts at (0,0), rises linearly to approximately 135 kW at 650 rpm, remains constant until 1050 rpm, and then decreases to about 90 kW at 1400 rpm.
- Límite Servicio S1 Limit for Service S1:** Represented by a thick black line. It starts at (0,0), rises linearly to approximately 90 kW at 650 rpm, remains constant until 1400 rpm, and then decreases to about 60 kW at 1900 rpm.
- Carga / Load KW 1:** Represented by a blue line. It follows the S6 limit curve closely, starting at (0,0), rising to 135 kW at 650 rpm, staying constant until 1050 rpm, and then decreasing.
- Carga / Load KW 2:** Represented by a red line. It follows the S1 limit curve closely, starting at (0,0), rising to 90 kW at 650 rpm, staying constant until 1400 rpm, and then decreasing.

rpm	Límite Servicio S6 (kW)	Límite Servicio S1 (kW)	Carga KW 1 (kW)	Carga KW 2 (kW)
0	0	0	0	0
200	27	18	27	18
400	54	36	54	36
600	81	54	81	54
650	135	90	135	90
800	135	90	135	90
1000	135	90	135	90
1050	135	90	135	90
1200	120	90	120	90
1400	90	90	90	90
1600	-	80	-	80
1800	-	70	-	70
1900	-	60	-	60