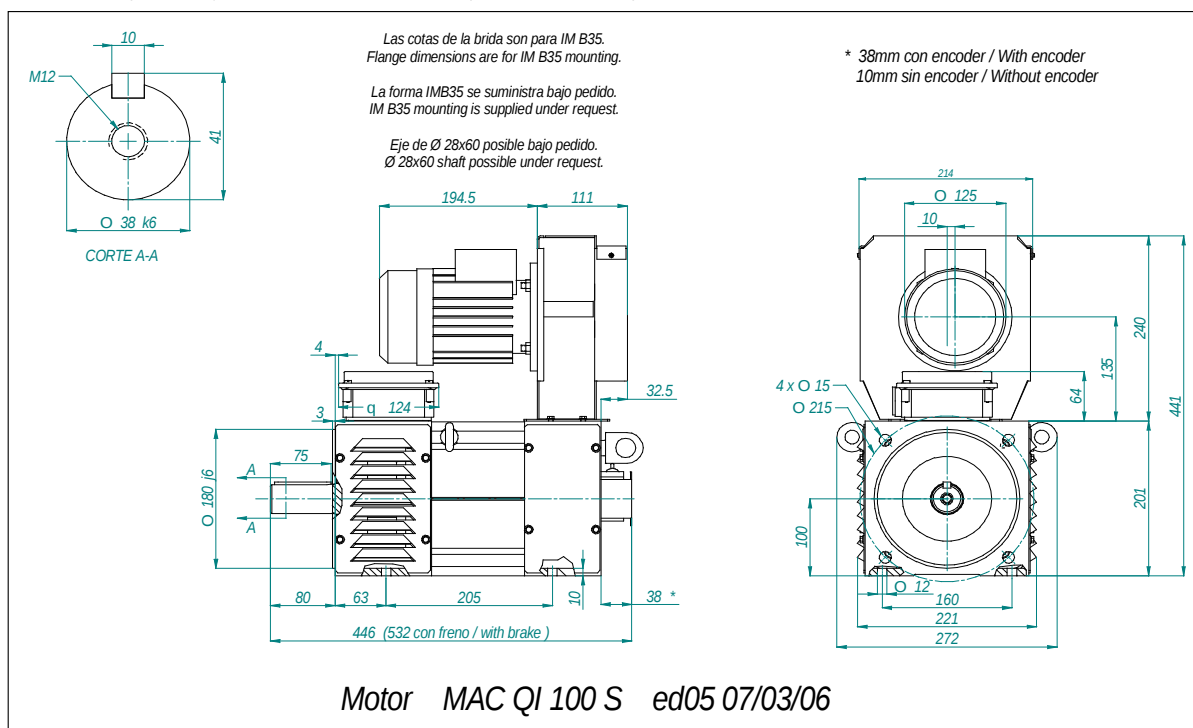


	MOTOR MAC QI 100 S - Hoja de Datos Técnicos - - Technical Datasheet -	Código DT-QI100S Edición 08 Página 1/2 Fecha 19/03/2015
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Ventilador / Fan	Rodamientos Delantero 6308 ZZ C3 Trasero 6207 ZZ C3
Tipo de Refrigeración IC 06	Bearings Drive End Non Drive End
Cooling Mode	Nº de polos 4 Momento de inercia J = 0,011 Kg m ² Peso Motor 50 Kg
Alimentación / Supply 400 V 50Hz	No. of poles Rotor Inertia Motor Weight
Potencia / Power 0,25 kW	Protección IP 23 Construcción IM B3 / B35 Equilibrado grado A
Corriente / Current 0,71 A	Protection Degree Mounting Balancing degree
Velocidad / Speed 2800 rpm	Nivel de ruido < 70 dB Velocidad máxima mecánica 7500 rpm
Caudal / Air flow 570 m3/h	Noise Level Max. Mechanical Speed
Presión / Pressure 450 Pa	Aislamiento Clase F Protección Térmica PTC 140 °C Ambiente < 40 °C < 1000 m
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 EN60034 Conmutación Variador 4 kHz ; du/dt TS60034-25 Type B
Holding Brake (optional)	Reference Standards Inverter Switching
Tensión de Base del Motor Vb 400 V	Tensión Máxima de Salida del Convertidor Vc 400 V
Motor Base Voltage	Inverter max. Output Voltage

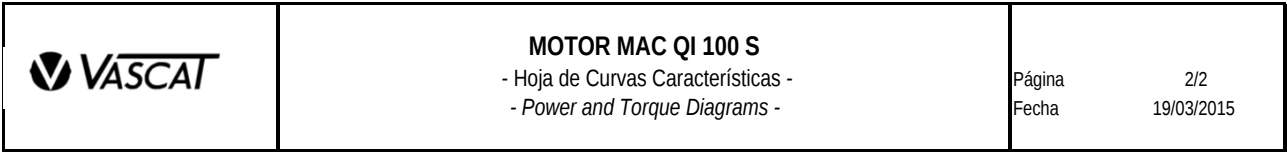
	Servicio / Service S1						Servicio / Service S6 - 40%						
Bobinado Winding	Nm	A	kW	rpm	Hz	Velocidad a Pot.Cte Const. Power Speed. (rpm)	Nm	A	kW	rpm	Hz	Velocidad a Pot.Cte Const. Power Speed. (rpm)	Corriente en vacío No Load Current (A)
111	38	8.1	3.0	745	27	1670	56	11	4.3	745	28	1240	4.3
211	38	10.4	4.3	1072	38	2410	56	14	6.3	1072	39	1790	5.4
112	38	13.4	5.7	1433	50	3220	56	18	8.4	1433	51	2390	7.2
121	38	15.4	6.7	1673	58	3760	56	21	9.8	1673	59	2800	8.3
212	38	17.6	7.8	1972	68	4430	56	24	11.5	1972	69	3300	9.4
221	38	20.3	9.2	2302	79	5170	56	27	13.4	2302	80	3840	10.7
122	38	26.2	12.1	3052	104	6860	56	35	17.8	3052	105	5100	13.8
222	38	35.1	16.3	4102	139	7500	56	47	23.9	4102	140	6850	18.7

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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Tensión de Base del Motor <i>Motor Base Voltage</i>	400 V
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Tensión de Base del Motor <i>Motor Base Voltage</i>	400 V
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Tensión Máxima de Salida del Convertidor <i>Inverter max. Output Voltage</i>	400 V
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Tensión Máxima de Salida del Convertidor <i>Inverter max. Output Voltage</i>	400 V
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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)
122	38	26.2	12.1	3052	104	6860	56	35.5	17.8	3052	105	5100	13.8

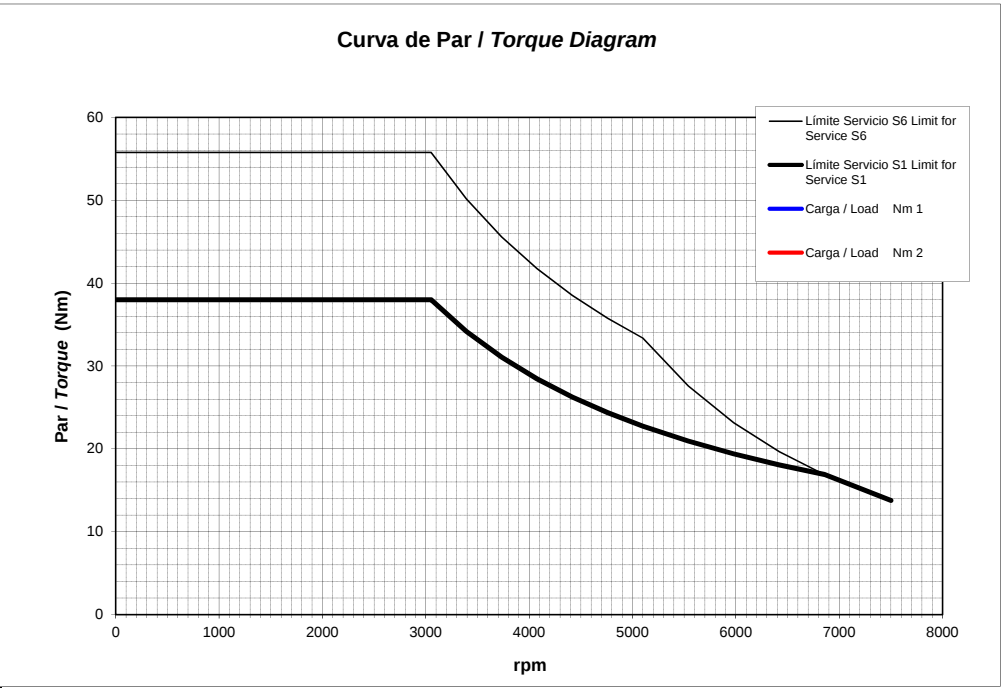
[illegible]

Curva de Par / Torque Diagram

The diagram plots Torque (Nm) on the Y-axis (0 to 60) against rpm on the X-axis (0 to 8000). It shows the following curves:

- Límite Servicio S6 Limit for Service S6:** A thin black line that is constant at 55 Nm from 0 to 3000 rpm, then decreases to approximately 15 Nm at 7500 rpm.
- Límite Servicio S1 Limit for Service S1:** A thick black line that is constant at 38 Nm from 0 to 3000 rpm, then decreases to approximately 14 Nm at 7500 rpm.
- Carga / Load Nm 1:** A blue line representing a load curve, starting at 0 Nm and increasing to approximately 18 Nm at 7500 rpm.
- Carga / Load Nm 2:** A red line representing a load curve, starting at 0 Nm and increasing to approximately 16 Nm at 7500 rpm.

The diagram indicates that the system is designed to operate within the S1 limit for Service S1, as the load curves (Nm 1 and Nm 2) remain below the S1 limit curve across the entire rpm range shown.

[illegible]

Curva de Potencia / Power Diagram

The diagram illustrates the power characteristics of a system. The y-axis represents Potencia / Power in KW, ranging from 0.0 to 20.0. The x-axis represents rpm, ranging from 0 to 8000. Two service limits are shown: Service S6 (thin black line) and Service S1 (thick black line). Both services show a linear increase in power from 0 rpm to 3000 rpm, followed by a constant power region. Service S6 reaches a peak of 18.0 KW at 3000 rpm and maintains it until 5000 rpm, while Service S1 reaches a peak of 12.0 KW at 3000 rpm and maintains it until 6800 rpm. Beyond these constant regions, the power decreases. Two load curves are also plotted: Carga / Load KW 1 (blue line) and Carga / Load KW 2 (red line), both showing a linear increase from 0 rpm to 3000 rpm and then remaining constant.

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	0.0	0.0
1000	6.0	4.0	4.0	4.0
2000	12.0	8.0	8.0	8.0
3000	18.0	12.0	12.0	12.0
4000	18.0	12.0	12.0	12.0
5000	18.0	12.0	12.0	12.0
6000	14.0	12.0	12.0	12.0
6800	12.0	12.0	12.0	12.0
7500	10.8	10.8	12.0	12.0

