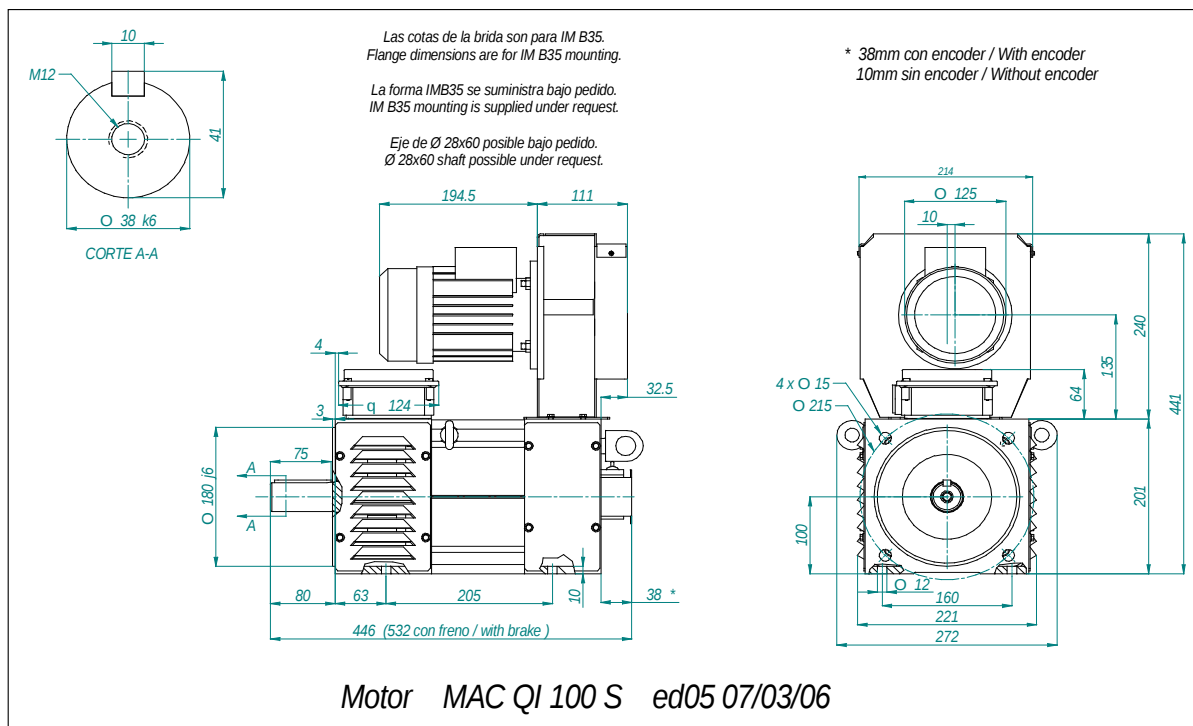


	MOTOR MAC QI 100 S - Hoja de Datos Técnicos - - Technical Datasheet -	Codigo DT-QI100S Edición 08 Página 1/2 Fecha 19/03/2015
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Ventilador / Fan	Rodamientos Delantero 6308 ZZ C3 Trasero 6207 ZZ C3
Tipo de Refrigeración IC 06	Bearings Drive End Non Drive 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

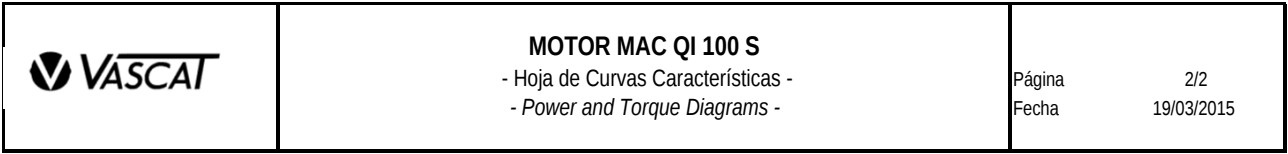
	Servicio / Service S1						Servicio / Service S6 - 40%						
Bobinado Winding	Nm	A	kW	rpm	Hz	Velocidad a Pot.Cte Const. Power Speed. (rpm)	Nm	A	kW	rpm	Hz	Velocidad a Pot.Cte Const. Power Speed. (rpm)	Corriente en vacío No Load Current (A)
111	38	8.1	3.0	745	27	1670	56	11	4.3	745	28	1240	4.3
211	38	10.4	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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	MOTOR MAC QI 100 S - Hoja de Curvas Características - - Power and Torque Diagrams -	Página 2/2 Fecha 19/03/2015
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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)
121	38	15.4	6.7	1673	58	3760	56	20.7	9.8	1673	59	2800	8.3

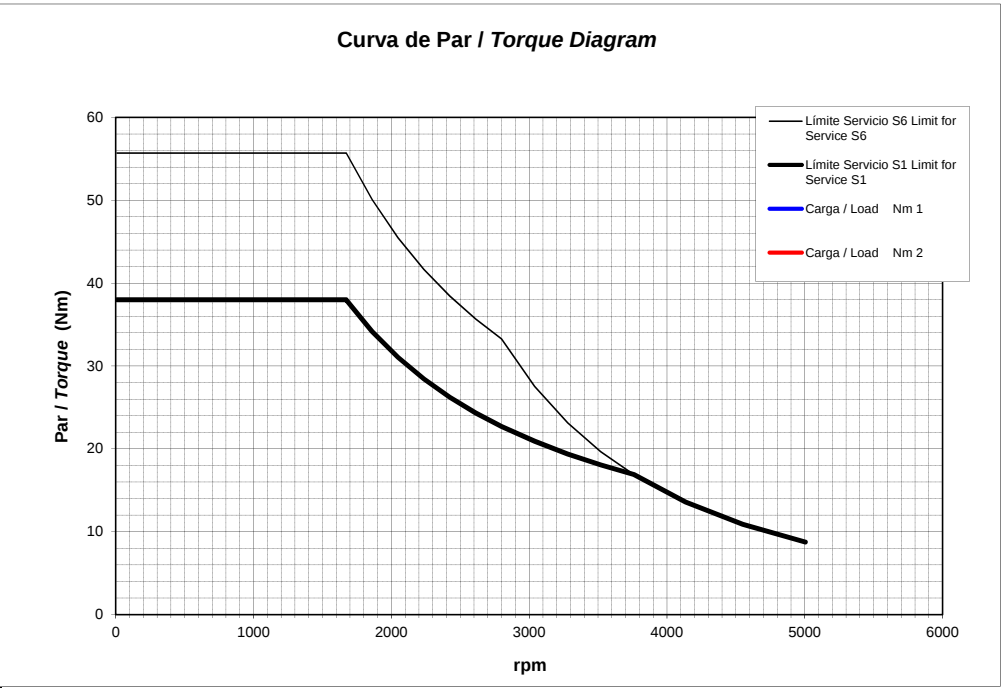
[illegible]

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 6000). It shows the service limits for two different services and the operating load curves for two different load conditions.

- Límite Servicio S6 Limit for Service S6:** A thin black line that starts at 55 Nm, remains constant until approximately 1600 rpm, and then decreases to about 18 Nm at 5000 rpm.
- Límite Servicio S1 Limit for Service S1:** A thick black line that starts at 38 Nm, remains constant until approximately 1600 rpm, and then decreases to about 9 Nm at 5000 rpm.
- Carga / Load Nm 1:** A blue line representing the load for Nm 1. It starts at 0 Nm, increases linearly to 38 Nm at 1600 rpm, and then follows the S1 service limit curve.
- Carga / Load Nm 2:** A red line representing the load for Nm 2. It starts at 0 Nm, increases linearly to 55 Nm at 1600 rpm, and then follows the S6 service limit curve.

The diagram indicates that the maximum torque for Service S1 is 38 Nm and for Service S6 is 55 Nm, both maintained up to 1600 rpm. Beyond this point, the torque decreases as rpm increases, with Service S1 having a lower torque limit than Service S6 at any given rpm above 1600 rpm.

[illegible]

Curva de Potencia / Power Diagram

The diagram illustrates the power requirements for two different services (S6 and S1) and two different loads (KW 1 and KW 2) across a range of rotational speeds (rpm). The y-axis represents Potencia / Power in KW, ranging from 0.0 to 12.0. The x-axis represents rpm, ranging from 0 to 6000. The S6 limit curve (thin black line) rises linearly to 10.0 KW at 1700 rpm, remains constant until 2800 rpm, and then decreases. The S1 limit curve (thick black line) rises linearly to 6.7 KW at 1700 rpm, remains constant until 3800 rpm, and then decreases. The KW 1 load curve (blue line) follows the S1 limit curve. The KW 2 load curve (red line) follows the S6 limit curve.

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	5.0	3.3	3.3	5.0
1700	10.0	6.7	6.7	10.0
2800	10.0	6.7	6.7	10.0
3800	7.0	6.7	6.7	7.0
4000	6.0	6.0	6.0	6.0
5000	4.5	4.5	4.5	4.5

