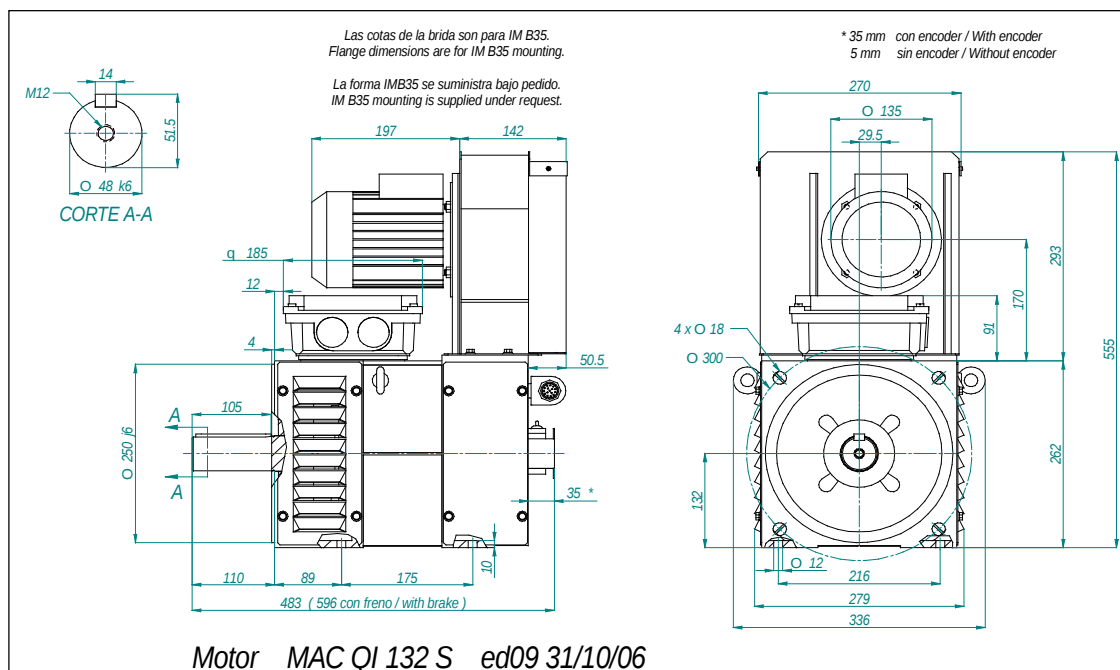


Ventilador / Fan			Rodamientos <i>Bearings</i>		Delantero <i>Drive End</i>		6310 ZZ C3		Trasero <i>Non Drive End</i>		6208 ZZ C3						
Tensión / <i>Voltage</i>	230/400 V	460 V	Momento de inercia <i>Rotor Inertia</i>					J = 0,046 Kg m ²		Peso Motor <i>Motor Weight</i>			95 Kg				
Frec. / <i>Frequency</i>	50 Hz	60 Hz	Protección <i>Protection Degree</i>			IP 23		Construcción <i>Mounting</i>			IM B3 / B35			Refrigeración <i>Cooling</i>		IC 06	
Potencia / <i>Power</i>	0,37 KW	0,43 KW	Velocidad / <i>Speed</i>			2800 rpm			3300 rpm			Caudal / <i>Air flow</i>			900 m3/h		
Presión / <i>Pressure</i>	680 Pa		Nivel de ruido <i>Noise Level</i>			< 80 dB			Velocidad máxima mecánica <i>Max. Mechanical Speed</i>			6000 rpm					
Equilibrado grado <i>Balancing degree</i>		A		Aislamiento Clase <i>Insulation Class</i>		F		Protección Térmica <i>Thermal Protection</i>			PTC 140 °C			Ambiente <i>Ambient</i>		< 40 °C < 1000 m	
Freno de Bloqueo (opcional) <i>Holding Brake (optional)</i>			150 Nm			24 Vdc		3,5 A		85 W		12 Kg		J = 0.0029 Kg m ²			
Tensión de Base del Motor <i>Motor Base Voltage</i>			Vb			400 V			Tensión Máxima de Salida del Convertidor <i>Inverter max. Output Voltage</i>			Vc			400 V		

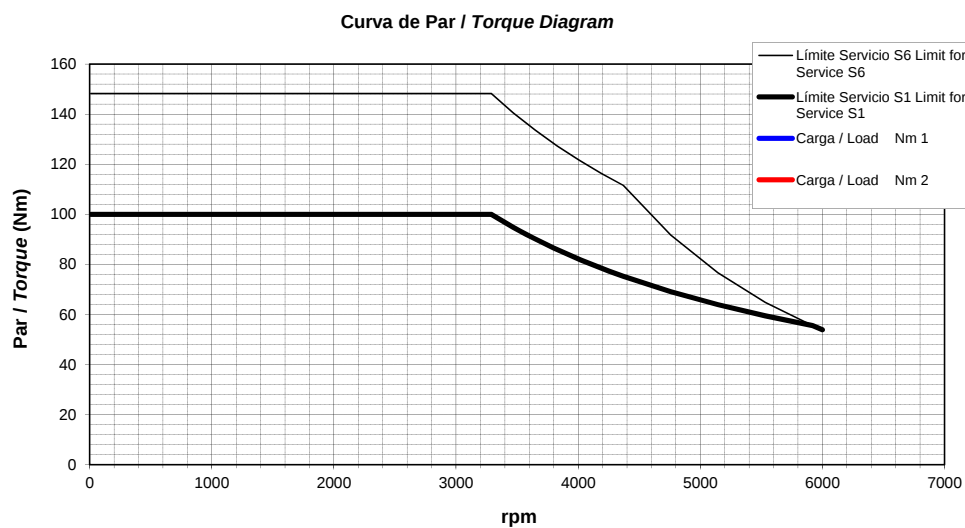
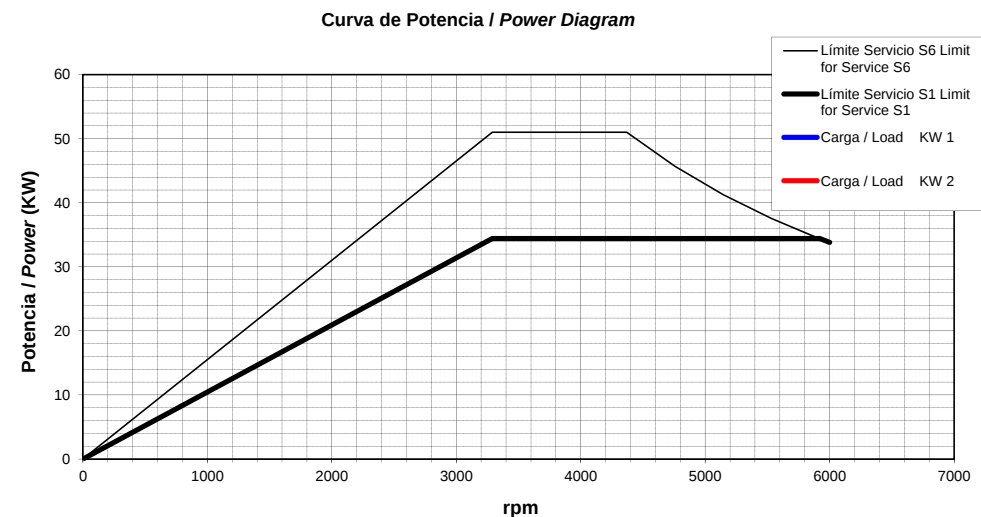
Bobinado Winding	Servicio / Service S1						Servicio / Service S6 - 40%						Corriente en vacío No Load Current (A)
	Nm	A	KW	rpm	Hz	Velocidad a Pot.Cte Const. Power Speed. (rpm)	Nm	A	KW	rpm	Hz	Velocidad a Pot.Cte Const. Power Speed. (rpm)	
111	100	10	4.0	379	14	680	149	14	5.9	379	15	500	4
211	100	13	5.4	515	19	920	148	18	8.0	515	19	670	5
112	100	17	7.7	739	26	1330	148	24	11.5	739	27	980	7
121	100	20	9.0	860	30	1540	148	27	13.3	860	31	1130	9
212	100	21	10.3	980	34	1760	148	30	15.2	980	35	1300	9
221	100	25	11.8	1131	39	2030	148	35	17.5	1131	40	1500	11
122	100	33	16.5	1580	54	2840	148	46	24.5	1580	55	2100	15
141	100	38	19.1	1821	62	3270	148	54	28.2	1821	63	2420	17
222	100	43	21.6	2060	70	3700	148	60	31.9	2060	71	2730	19
241	100	49	25.0	2390	81	4300	148	69	37.0	2390	82	3170	21
142	100	66	34.4	3289	111	5920	148	93	51.0	3289	112	4370	28



Elabora:	Revisa:	Aprueba:
11/11/2009	11/11/2009	11/11/2009

Tensión de Base del Motor <i>Motor Base Voltage</i>	400 V	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)
142	100	66	34.4	3289	111	5920	148	93	51.0	3289	112	4370	28

[illegible][illegible]



MOTOR MAC QI 132 S

Parámetros motor / Motor parameters

Fecha - Date 11-11-09

PLACA DE CARACTERÍSTICAS / NAMEPLATE DATA

	QI 132 S Bob. 111	QI 132 S Bob. 211	QI 132 S Bob. 112	QI 132 S Bob. 121	QI 132 S Bob. 212	QI 132 S Bob. 221	QI 132 S Bob. 122	QI 132 S Bob. 141	QI 132 S Bob. 222	QI 132 S Bob. 241	QI 132 S Bob. 142
Nm	100	100	100	100	100	100	100	100	100	100	100
rpm	379	515	739	860	980	1131	1580	1821	2060	2390	3289
KW	4.0	5.4	7.7	9.0	10.3	11.8	16.5	19.1	21.6	25.0	34.4
V	400	400	400	400	400	400	400	400	400	400	400
A	9.9	12.7	16.7	19.5	21.3	25.0	33.2	38.4	42.6	49.1	66.0
Hz	14.0	18.5	26.0	30.0	34.0	39.0	54.0	62.0	70.0	81.0	111.0
Cos fi	0.84	0.84	0.83	0.82	0.82	0.82	0.82	0.81	0.82	0.82	0.82
Rend / eff.	0.62	0.71	0.78	0.80	0.82	0.84	0.87	0.88	0.89	0.90	0.91
J (Kg m ²)	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459	0.0459

ESQUEMA EQUIVALENTE POR FASE EN ESTRELLA / PHASE STAR EQUIVALENT SCHEMA

	QI 132 S Bob. 111	QI 132 S Bob. 211	QI 132 S Bob. 112	QI 132 S Bob. 121	QI 132 S Bob. 212	QI 132 S Bob. 221	QI 132 S Bob. 122	QI 132 S Bob. 141	QI 132 S Bob. 222	QI 132 S Bob. 241	QI 132 S Bob. 142
Rs (mOhm)	3659.78	2181.13	1219.93	914.94	727.04	545.28	304.98	228.74	181.76	136.32	76.25
Rr (mOhm)	2200.02	1330.88	733.34	550.00	443.63	332.72	183.33	137.50	110.91	83.18	45.83
Rfe (Ohm)	1095.23	1095.23	633.25	538.36	471.82	538.36	269.64	220.20	189.66	220.20	98.22
Ls (mH)	28.19	17.05	9.40	7.05	5.68	4.26	2.35	1.76	1.42	1.07	0.59
Lr (mH)	33.36	19.37	10.45	7.89	6.28	4.71	2.57	1.94	1.56	1.16	0.64
Lm (mH)	516.21	315.77	173.59	128.43	103.51	78.25	43.54	31.73	25.84	19.49	10.87
Ts (s)	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Tr (s)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.25	0.25	0.25
Kt	624.29	485.56	360.43	312.15	280.34	242.78	180.22	156.07	140.17	121.39	90.11
Im (A/fase)	3.8	5.4	6.9	8.7	9.0	11.4	14.6	17.4	18.8	21.4	27.8

