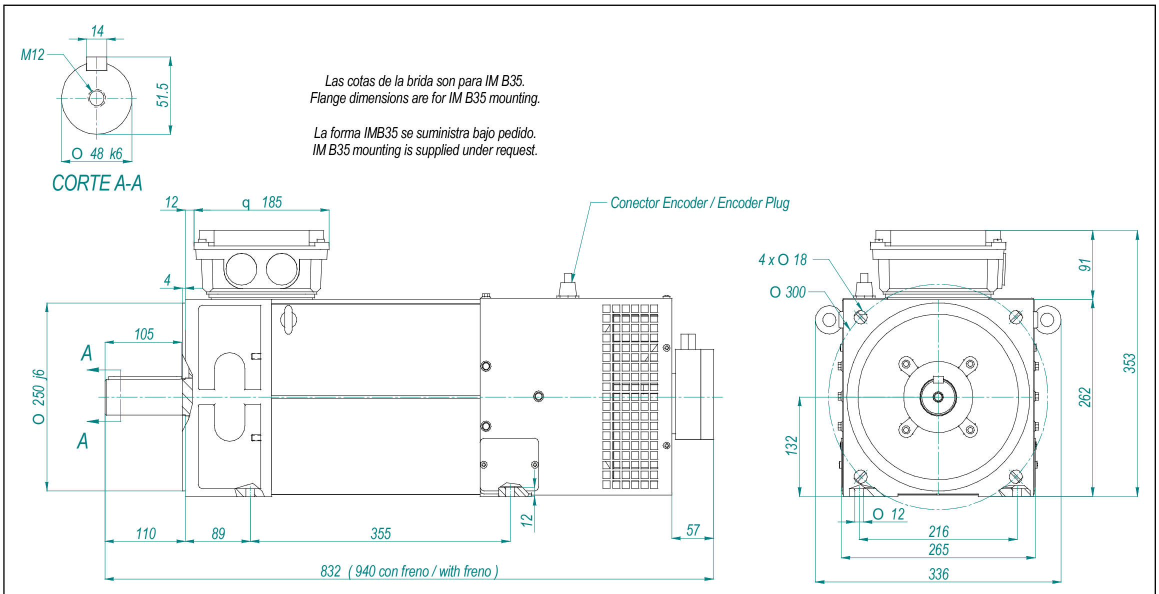
VASCAT	**MOTOR MAC QE 132 P** - Hoja de Datos Técnicos - - *Technical Datasheet* -	Codigo	DT-QE132P
		Edición	10
		Página	1/1
		Fecha	30/08/2013

Ventilador / Fan		Rodamientos / *Bearings*	Delantero / *Drive End*: 6310 ZZ C3	Trasero / *Non Drive End*: 6208 ZZ C3	
Tensión / *Voltage*	1ph 230 V	Momento de inercia / *Rotor Inertia*	$J = 0,091\ Kg\ m^2$	Peso Motor / *Motor Weight*	145 Kg
Frec. / *Frequency*	50 Hz · 60 Hz	Protección / *Protection Degree*	IP 54	Construcción / *Mounting*: IM B3 / B35	Refrigeración / *Cooling*: IC416
Corriente / *Current*	0,60 A · 0,88 A				
Condens. / *Capacitor*	4 uF / 450 V				
Velocidad / *Speed*	2650 rpm · 2950 rpm	Nivel de ruido / *Noise Level*	< 80 dB	Velocidad máxima mecánica / *Max. Mechanical Speed*	6000 rpm
Caudal / *Air flow*	1200 m3/h · 1340 m3/h				
Equilibrado grado / *Balancing degree*	A	Aislamiento Clase / *Insulation Class*: F	Protección Térmica / *Thermal Protection*: PTC 140 °C	Ambiente / *Ambient*	< 40 °C · < 1000 m
Freno de Bloqueo (opcional) / ***Holding Brake (optional)***	150 Nm	24 Vdc · 3,5 A · 85 W	12 Kg	$J = 0.0029\ Kg\ m^2$	
Tensión de Base del Motor / *Motor Base Voltage*	Vb **400 V**	Tensión Máxima de Salida del Convertidor / *Inverter max. Output Voltage*	Vc **400 V**		

	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 vacio *No Load Current* (A)
111	155	16	7.1	440	16	1270	228	22	10.5	440	16	940	8
211	155	22	9.8	605	21	1750	228	29	14.4	605	21	1300	11
112	155	27	13.2	815	28	2360	228	37	19.5	815	28	1750	14
121	155	32	15.2	935	32	2710	227	43	22.3	935	32	2010	17
212	155	37	17.6	1085	37	3140	227	50	25.8	1085	37	2340	20
221	155	42	20.5	1265	43	3660	227	57	30.1	1265	43	2720	22
122	155	55	26.8	1655	56	4790	227	74	39.3	1655	56	3570	30
141	155	63	31.2	1925	65	5580	227	86	45.8	1925	65	4150	34
222	155	74	36.1	2225	75	6000	227	99	52.9	2225	75	4790	40
241	155	85	41.9	2585	87	6000	227	115	61.5	2585	87	5560	45



Motor MAC QE 132 P ed08 02/11/06

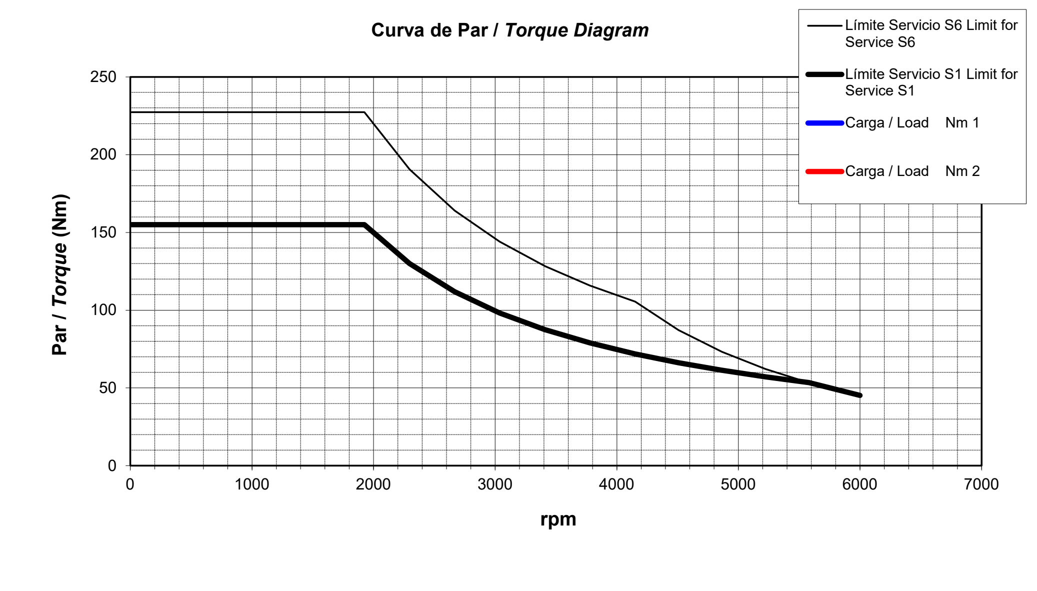
Elabora: 30/08/2013	Revisa: 30/08/2013	Aprueba: 30/08/2013

VASCAT	**MOTOR MAC QE 132 P** - Hoja de Curvas Características - *- Power and Torque Diagrams -*	Página 1/1 Fecha 30/08/2013

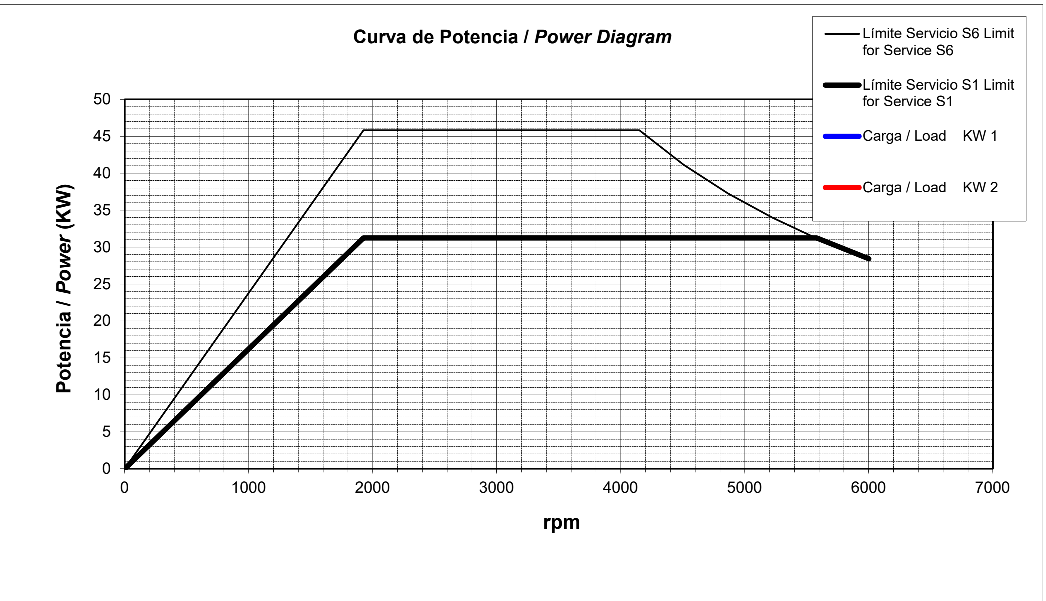
Tensión de Base del Motor *Motor Base Voltage*	**400 V**	Tensión Máxima de Salida del Convertidor *Inverter max. Output Voltage*	**400 V**

	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 vacio *No Load Current* (A)
141	155	63	31.2	1925	65	5580	227	86	45.8	1925	65	4150	34

Carga / Load		
rpm	**Nm 1**	**Nm 2**



Carga / Load		
rpm	**KW 1**	**KW 2**



VASCAT

MOTOR MAC QE 132 P

Parámetros motor / Motor parameters

Fecha - Date 30-08-13

PLACA DE CARACTERÍSTICAS / NAMEPLATE DATA

	QE 132 P bob. 111	QE 132 P bob. 211	QE 132 P bob. 112	QE 132 P bob. 121	QE 132 P bob. 212	QE 132 P bob. 221	QE 132 P bob. 122	QE 132 P bob. 141	QE 132 P bob. 222	QE 132 P bob. 241
Nm	155	155	155	155	155	155	155	155	155	155
rpm	440	605	815	935	1085	1265	1655	1925	2225	2585
KW	7.1	9.8	13.2	15.2	17.6	20.5	26.9	31.2	36.1	42.0
V	400	400	400	400	400	400	400	400	400	400
A	16.3	21.5	27.4	31.9	37.0	42.4	55.3	63.4	73.8	84.7
Hz	16	21	28	32	37	43	56	65	75	87
Cos fi	0.79	0.78	0.79	0.78	0.78	0.78	0.77	0.77	0.78	0.78
Rend / eff.	0.76	0.81	0.86	0.87	0.88	0.89	0.91	0.91	0.92	0.92
J (Kg m2)	0.0967	0.0967	0.0967	0.0967	0.0967	0.0967	0.0967	0.0967	0.0967	0.0967

ESQUEMA EQUIVALENTE POR FASE EN ESTRELLA / PHASE STAR EQUIVALENT SCHEMA

	QE 132 P bob. 111	QE 132 P bob. 211	QE 132 P bob. 112	QE 132 P bob. 121	QE 132 P bob. 212	QE 132 P bob. 221	QE 132 P bob. 122	QE 132 P bob. 141	QE 132 P bob. 222	QE 132 P bob. 241
Rs (mOhm)	1116.59	638.98	372.20	279.15	212.99	159.75	93.05	69.79	53.25	39.94
Rr (mOhm)	874.04	491.65	291.35	218.51	163.88	122.91	72.84	54.63	40.97	30.73
Rfe (Ohm)	568.53	568.53	310.40	258.49	216.64	258.49	126.06	103.05	84.00	103.05
Ls (mH)	11.37	6.40	3.79	2.84	2.13	1.60	0.95	0.71	0.53	0.40
Lr (mH)	15.07	8.29	4.75	3.61	2.68	2.00	1.20	0.89	0.67	0.50
Lm (mH)	242.27	137.46	85.05	61.40	46.83	35.21	20.31	15.33	11.69	8.79
Ts (s)	0.23	0.23	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Tr (s)	0.29	0.30	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Kt	277.46	208.10	160.19	138.73	120.14	104.05	80.10	69.37	60.07	52.02
Im (A/fase)	8.2	11.1	13.8	16.8	20.1	22.4	30.2	33.7	40.2	44.9