



SELECT YOUR MOTOR SUPPLY...

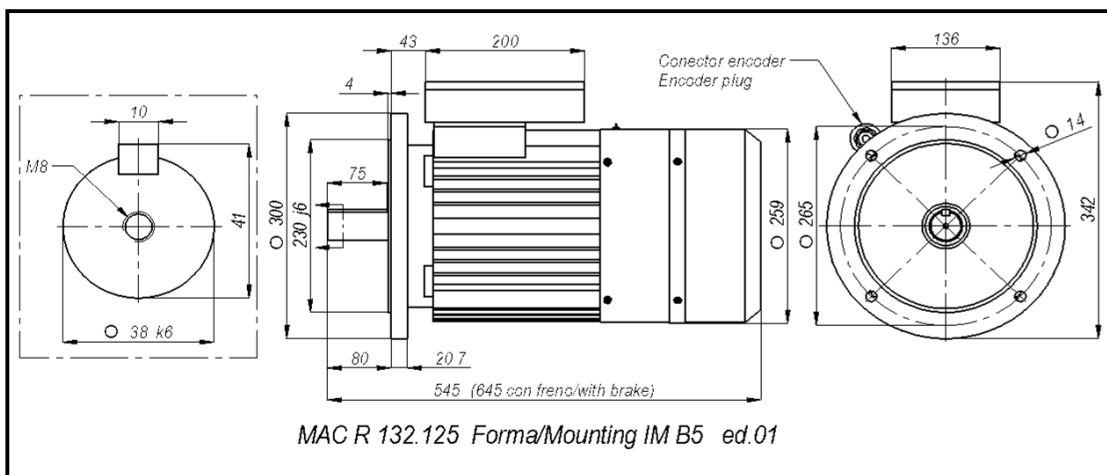
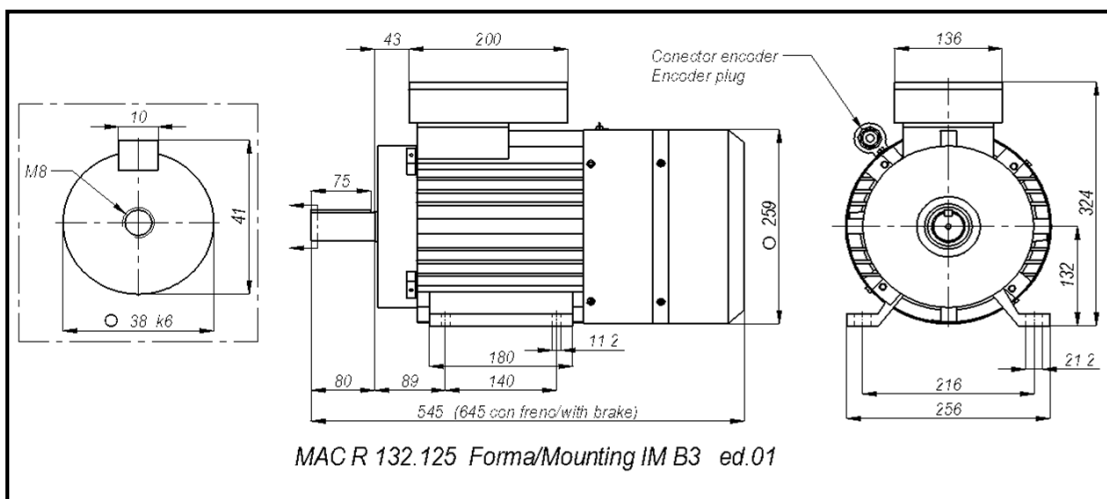
**230V
Three Phase
50Hz
Delta
Δ**

**400V
Three Phase
50Hz
Star
Y**

**400V
Three Phase
87Hz
Delta
Δ**

Ventilador / Fan		Rodamientos Bearings		Delantero Drive End	6208 ZZ	Trasero Non Drive End	6208 ZZ
Tensión / Voltage	1ph 230 V	Momento de inercia Rotor Inertia		J = 0,0260 Kg m ²		Peso Motor Motor Weight	49 Kg
Frec. / Frequency	50 Hz 60 Hz	Protección Protection Degree		IP 54	Construcción Mounting	IM B3 / B5	Refrigeración Cooling
Corriente / Current	0,36 A 0,45 A	Nivel de ruido Noise Level		< 70 dB	Velocidad máxima mecánica Max. Mechanical Speed		
Condens. / Capacitor	2 uF / 450 V	Equilibrado grado Balancing degree		A	Ambiente Ambient		
Velocidad / Speed	2300 rpm 2300 rpm	Aislamiento Clase Insulation Class		F	PTC 140 °C		
Caudal / Air flow	570 m3/h 570 m3/h	Protección Térmica Thermal Protection			< 40 °C < 1000 m		
Freno de Bloqueo (opcional) Holding Brake (optional)		70 Nm	400V 50Hz / 460V 60Hz	0,50 A	10,8 Kg	J = 0,00302 Kg m ²	
Tensión de Base del Motor Motor Base Voltage		Vb	230 V	Tensión Máxima de Salida del Convertidor Inverter max. Output Voltage		Vc	230 V

	Servicio / Service S1						Servicio / Service S6 - 40%						
Conexión Connection	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)
Y	36.0	11.3	3.1	820	29	1270	53.3	15.8	4.6	820	29	930	5.0
D	36.0	19.6	5.5	1460	50	2260	53.3	27.4	8.1	1460	51	1670	8.7



Elabora:	Revisa:	Aprueba:
18/11/2011	18/11/2011	18/11/2011



MOTOR MAC R 132.125

Parámetros motor / Motor parameters

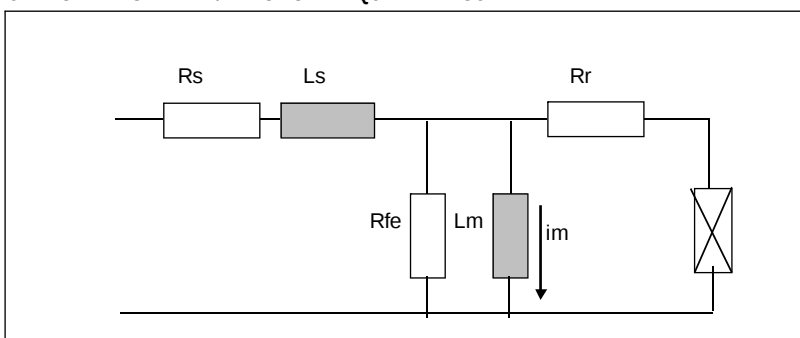
Fecha - Date 18-11-11

PLACA DE CARACTERÍSTICAS / NAMEPLATE DATA

	R132.125 Y	R132.125 D
Nm	36	36
rpm	820	1460
KW	3.1	5.5
V	230	230
A	11.3	19.6
Hz	28.8	50.0
Cos fi	0.80	0.80
Rend / eff.	0.86	0.89
J (Kg m2)	0.02600	0.02600

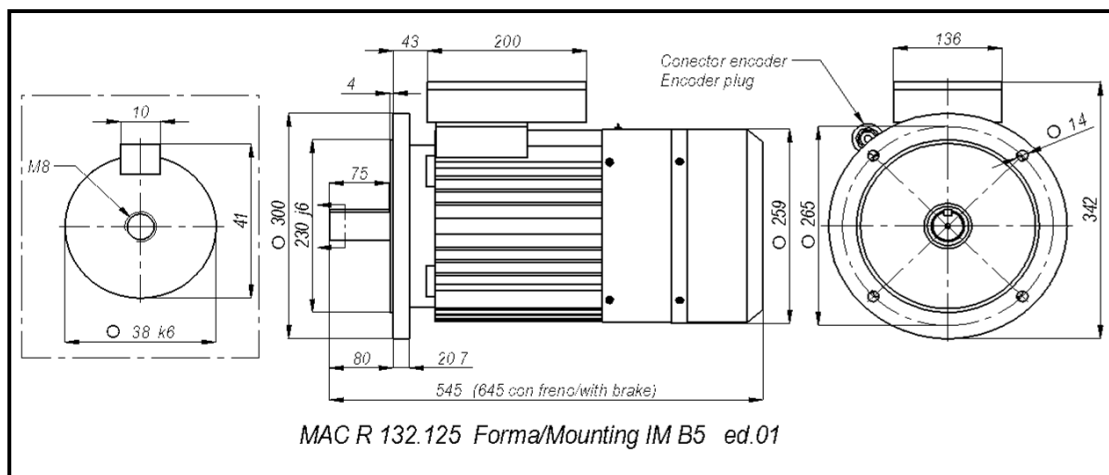
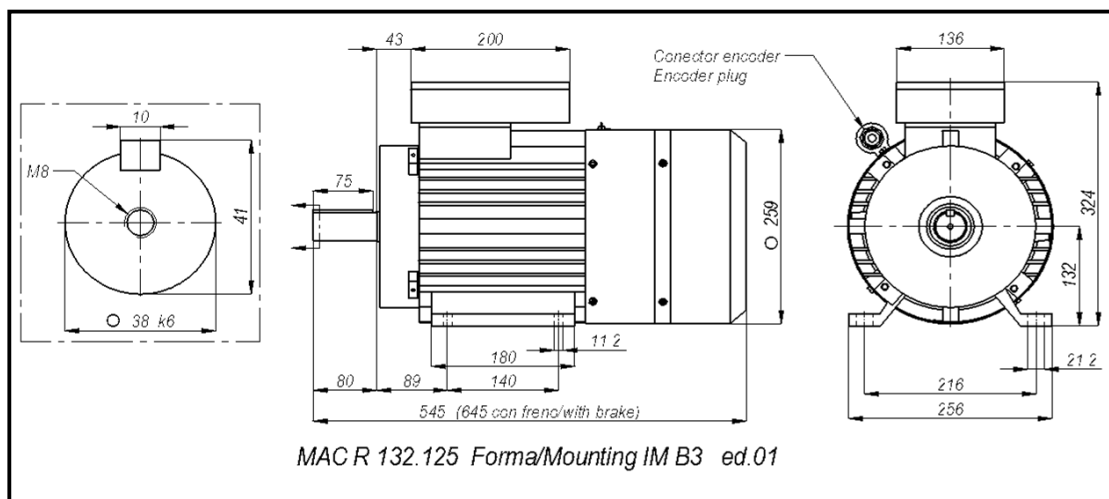
ESQUEMA EQUIVALENTE POR FASE EN ESTRELLA / PHASE STAR EQUIVALENT SCHEMA

	R132.125 Y	R132.125 D
Rs (Ohm)	0.80	0.27
Rr (Ohm)	0.62	0.21
Rfe (Ohm)	320	107
Ls (mH)	7.8	2.6
Lm (mH)	132	44
Ts (ms)	175	175
Tr (ms)	213	213
Im (A/fase)	5.0	8.7



Ventilador / Fan		Rodamientos Bearings		Delantero Drive End	6208 ZZ	Trasero Non Drive End	6208 ZZ
Tensión / Voltage	1ph 230 V	Momento de inercia Rotor Inertia		J = 0,0260 Kg m ²		Peso Motor Motor Weight	49 Kg
Frec. / Frequency	50 Hz 60 Hz	Protección Protection Degree		IP 54	Construcción Mounting	IM B3 / B5	Refrigeración Cooling
Corriente / Current	0,36 A 0,45 A	Nivel de ruido Noise Level		< 70 dB	Velocidad máxima mecánica Max. Mechanical Speed		
Condens. / Capacitor	2 uF / 450 V	Equilibrado grado Balancing degree		A	Ambiente Ambient		
Velocidad / Speed	2300 rpm 2300 rpm	Aislamiento Clase Insulation Class		F	PTC 140 °C		
Caudal / Air flow	570 m3/h 570 m3/h	Protección Térmica Thermal Protection			< 40 °C < 1000 m		
Freno de Bloqueo (opcional) Holding Brake (optional)		70 Nm	400V 50Hz / 460V 60Hz	0,50 A	10,8 Kg	J = 0,00302 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%						
Conexión Connection	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)
Y	36.0	11.3	5.5	1460	50	2260	53.3	15.8	8.1	1460	51	1670	5.0
D	36.0	19.6	9.7	2570	87	3980	53.3	27.4	14.3	2570	88	2940	8.7



Elabora:	Revisa:	Aprueba:
18/11/2011	18/11/2011	18/11/2011



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Parámetros motor / Motor parameters

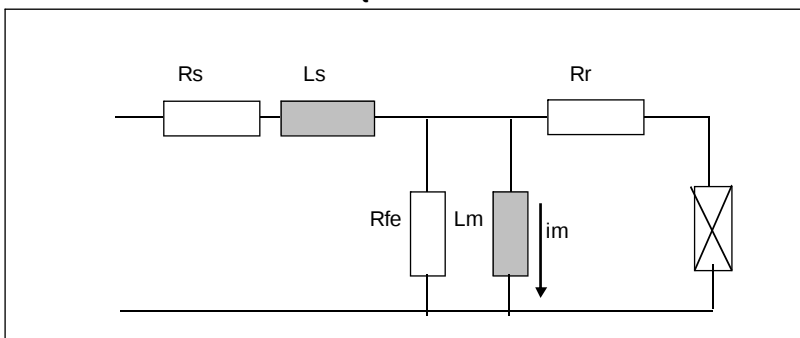
Fecha - Date 18-11-11

PLACA DE CARACTERÍSTICAS / NAMEPLATE DATA

	R132.125 Y	R132.125 D
Nm	36	36
rpm	1460	2570
KW	5.5	9.7
V	400	400
A	11.3	19.6
Hz	50.0	87.0
Cos fi	0.80	0.80
Rend / eff.	0.88	0.90
J (Kg m2)	0.02600	0.02600

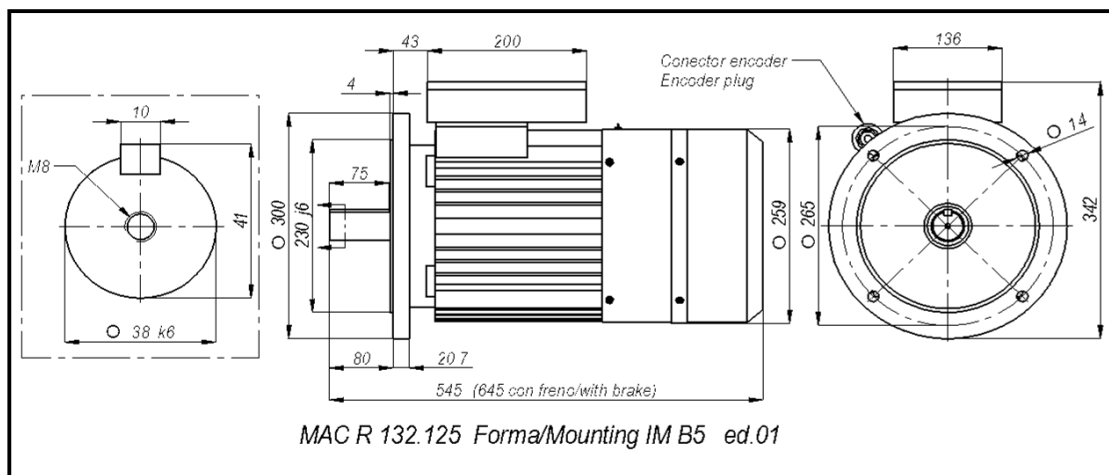
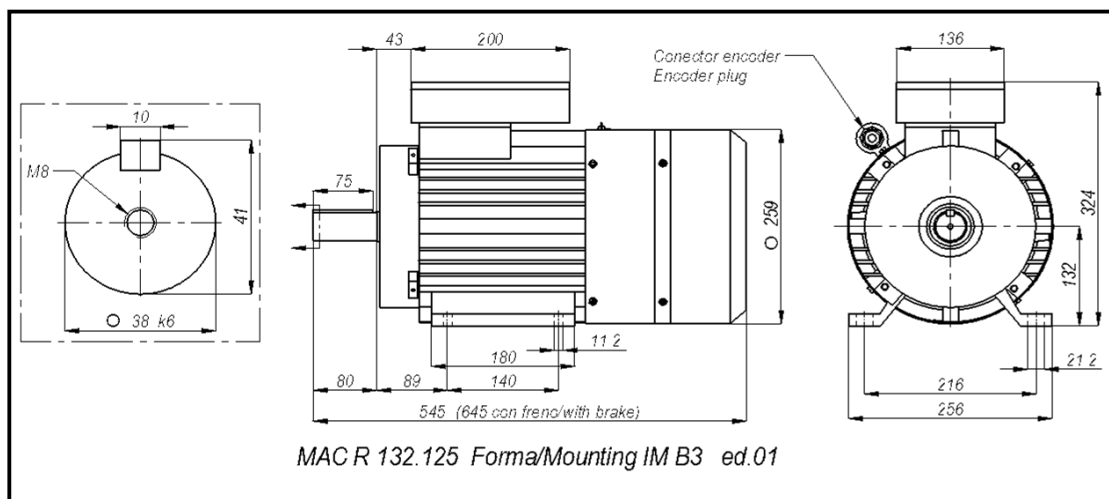
ESQUEMA EQUIVALENTE POR FASE EN ESTRELLA / PHASE STAR EQUIVALENT SCHEMA

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Tensión / Voltage	1ph 230 V	Momento de inercia Rotor Inertia		J = 0,0260 Kg m ²		Peso Motor Motor Weight	49 Kg
Frec. / Frequency	50 Hz 60 Hz	Protección Protection Degree		IP 54	Construcción Mounting	IM B3 / B5	Refrigeración Cooling
Corriente / Current	0,36 A 0,45 A	Nivel de ruido Noise Level		< 70 dB		Velocidad máxima mecánica Max. Mechanical Speed	
Condens. / Capacitor	2 uF / 450 V	Equilibrado grado Balancing degree		A	Aislamiento Clase Insulation Class	F	Protección Térmica Thermal Protection
Velocidad / Speed	2300 rpm 2300 rpm	PTC 140 °C		Ambiente Ambient		< 40 °C < 1000 m	
Caudal / Air flow	570 m3/h 570 m3/h	Freno de Bloqueo (opcional) Holding Brake (optional)		70 Nm	400V 50Hz / 460V 60Hz	0,50 A	10,8 Kg J = 0,00302 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%						
Conexión Connection	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)
Y	36.0	11.3	5.5	1460	50	2260	53.3	15.8	8.1	1460	51	1670	5.0
D	36.0	19.6	9.7	2570	87	3980	53.3	27.4	14.3	2570	88	2940	8.7



Elabora:	Revisa:	Aprueba:
18/11/2011	18/11/2011	18/11/2011

	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)
D	36.0	19.6	9.7	2570	87	3980	53	27	14.3	2570	88	2940	8.7

Curva de Par / Torque Diagram

The diagram plots torque in Nm (Y-axis, 0.0 to 60.0) against rpm (X-axis, 0 to 6000). It shows the performance limits for two services and the resulting load curves.

Legend:

- Límite Servicio S6 Limit for Service S6 (Thin black line)
- Límite Servicio S1 Limit for Service S1 (Thick black line)
- Carga / Load Nm 1 (Blue line)
- Carga / Load Nm 2 (Red line)

Approximate Data Points:

rpm	Límite Servicio S6 (Nm)	Límite Servicio S1 (Nm)	Carga Nm 1 (Nm)	Carga Nm 2 (Nm)
0	53.0	36.0	15.0	15.0
1000	53.0	36.0	15.0	15.0
2000	53.0	36.0	15.0	15.0
2500	53.0	36.0	15.0	15.0
3000	46.0	31.0	15.0	15.0
4000	23.0	23.0	15.0	15.0
5000	14.0	14.0	15.0	15.0

Curva de Potencia / Power Diagram

The diagram plots Power (kW) on the Y-axis (0.00 to 16.00) against RPM on the X-axis (0 to 6000). It shows the power limits for two services (S6 and S1) and the power consumption of two loads (KW 1 and KW 2).

Legend:

- Limite Servicio S6 Limit for Service S6 (Thin black line)
- Limite Servicio S1 Limit for Service S1 (Thick black line)
- Carga / Load KW 1 (Blue line)
- Carga / Load KW 2 (Red line)

Data Series Description:

- Limite Servicio S6 Limit for Service S6:** Starts at (0, 0), rises linearly to (2500, 14.5), remains constant at 14.5 kW until 2900 rpm, then decreases to (5000, 7.2).
- Limite Servicio S1 Limit for Service S1:** Starts at (0, 0), rises linearly to (2500, 9.8), remains constant at 9.8 kW until 4000 rpm, then decreases to (5000, 7.2).
- Carga / Load KW 1:** A blue line that follows the S1 limit closely, starting at (0, 0) and rising to (2500, 9.8), then remaining constant until 4000 rpm, and finally decreasing to (5000, 7.2).
- Carga / Load KW 2:** A red line that follows the S6 limit closely, starting at (0, 0) and rising to (2500, 14.5), then remaining constant until 2900 rpm, and finally decreasing to (5000, 7.2).

RPM	Limite Servicio S6 (kW)	Limite Servicio S1 (kW)	Carga KW 1 (kW)	Carga KW 2 (kW)
0	0.00	0.00	0.00	0.00
1000	5.80	3.90	3.90	5.80
2000	11.60	7.80	7.80	11.60
2500	14.50	9.80	9.80	14.50
2900	14.50	9.80	9.80	14.50
3000	14.40	9.80	9.80	14.40
4000	10.00	9.80	9.80	10.00
5000	7.20	7.20	7.20	7.20



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Fecha - Date 18-11-11

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	R132.125 Y	R132.125 D
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KW	5.5	9.7
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A	11.3	19.6
Hz	50.0	87.0
Cos fi	0.80	0.80
Rend / eff.	0.88	0.90
J (Kg m2)	0.02600	0.02600

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Lm (mH)	132	44
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