



MOTORES ELÉCTRICOS TRIFÁSICOS ANTIDEFLAGRANTES
Eex-d II BT-4 Normativa ATEX

THREE PHASE ELECTRIC MOTOR FLAMEPROOF
Eex-d II BT-4 ATEX

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FABRICA DE MOTORES ELECTRICOS - ELECTRIC MOTORS FACTORY

1. Descripción General

Motores YB Antideflagrantes, trifásicos de inducción

Estos motores tienen unas notables características, como su compacta construcción, su ligero peso, fiable funcionamiento, bonita apariencia, alta eficiencia, ahorro de energía, gran margen de seguridad en aumento de temperatura, bajo ruido, poca vibración, alto par de arranque, avanzada y razonable estructura anti-deflagrante, etc.

Para esta serie de motores la potencia de salida y las dimensiones de montaje cumplen con las especificaciones de la IEC Standard y la correlación entre ellas básicamente cumple con la EIN42673.

Esta serie de motores están diseñados y fabricados dentro de los cánones del tipo antideflagrante.

- GB3836.1 Aparatos Eléctricos para Atmósferas explosivas de gas.
Requerimientos generales.
- GB3836.2 Aparatos Eléctricos para Atmósferas Explosivas de Gas.
Aparatos Eléctricos Antideflagrantes "d"
y Estándar IEC79-1, BS4683 y EN50018. Las marcas de protección de explosión son d I, d II AT4, d II BT4
y d II CT4. Son seguros para su utilización en lugares donde hay mezclas explosivas de gas y vapor-aire.
- "d I" Apropiados para uso en las superficies no mineras (pero con minas subterráneas de carbón), donde las mezclas explosivas de metano y carbón en polvo, están presentes.
- "d II AT4" Apropiados para utilizarse en plantas donde las mezclas explosivas de clase II A, T1, T2,T3 o T4 están presentes.
- "d II BT4" Apropiados para utilizarse en plantas donde las mezclas explosivas de clase II B, T1,T2,T3 o T4, están presentes.
- "d II CT4" Apropiados para utilizarse en plantas donde las mezclas explosivas de clase II C T1,T2,T3 o T4 están presentes.

Estos motores pueden también ser fabricados para ambientes especiales, tales como: Espacios al aire libre (tipo YB-W), espacios cubiertos tropicales húmedos (tipo YB-TH), espacios abiertos tropicales (tipo YB-WTH), espacios cubiertos tropicales áridos (tipo YB-TA), espacios abiertos tropicales áridos (tipo YB-WTA), espacios cerrados tropicales (tipo YB-T), espacios abiertos tropicales (tipo YB-WT), espacios al aire libre medianamente químicos corrosivos (tipo YB-WF1).

1. General description

YB flameproof three phase induction motors

These motors are of remarkable features, such as compact construction, lightweight, reliable operation, fine looking, high efficiency, save energy, large margin of safety in temperature rise, low noise, small vibration, high starting torque, advanced and reasonable flameproof structure, safe and reliable operation, etc.

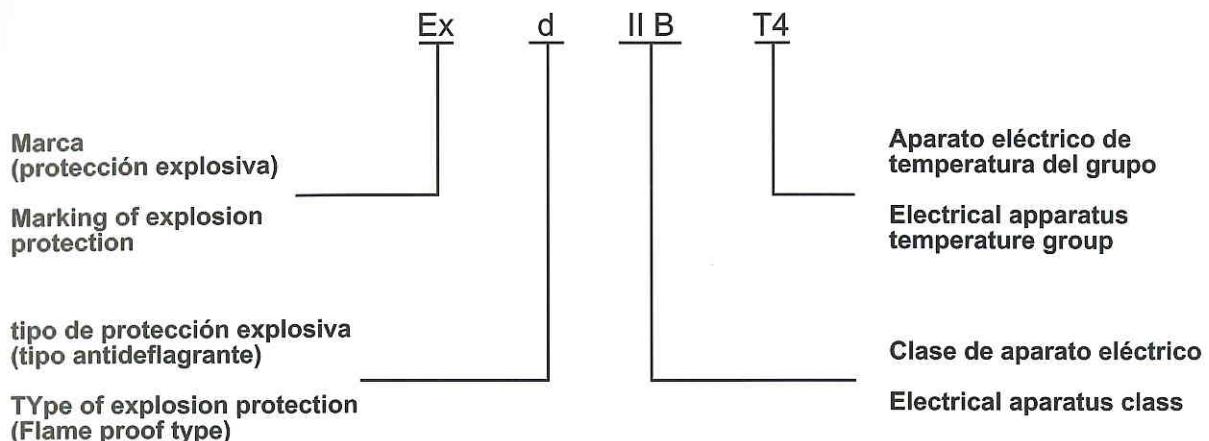
For this series motors, the output ratings and mounting dimensions conform to the specification of IEC standards and the correlation between them basically agree with EIN42673.

This series motors are designed and manufactured into flameproof.

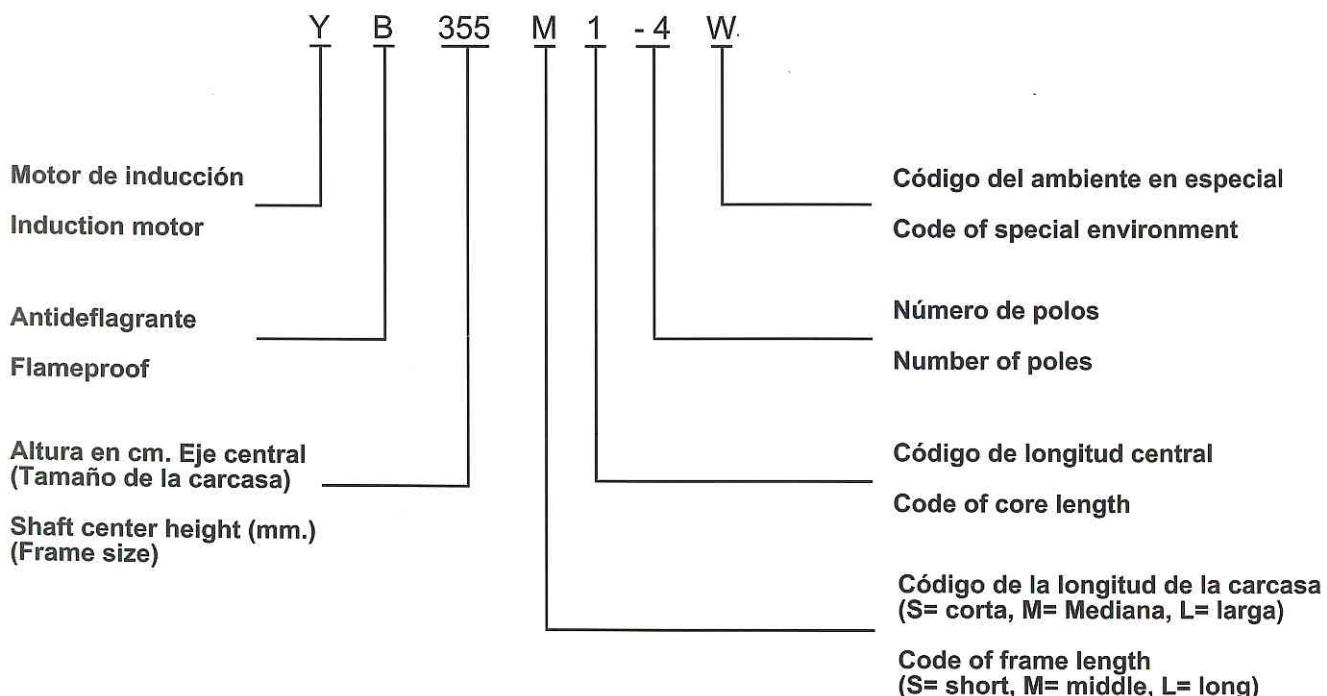
- GB3836.1 Electrical Apparatus for Explosive Gas Atmospheres.
General Requirements.
- GB3836.2 Electrical Apparatus for Explosive Gas Atmospheres.
Flameproof Electrical Apparatus "d"
and standards IEC79-1, BS4683 and EN50018, The explosion protection marks are d I, d II AT4, d II BT4,
and d II CT4. They are safe to use in the locations where there are explosives mixtures of gas and vapor-air
- "d I" safe for use in the non-mining surfaces of underground coal mines where the explosive mixtures of methane or coal-dust are present.
- "d II AT4" safe for use in plants where the explosive mixtures of II A Class, T1, T2, T3 or T4 are present.
- "d II BT4" safe for use in plants where the explosive mixtures of II B Class, T1, T2, T3 or T4 are present.
- "d II CT4" safe for use in plants where the explosive mixtures of II C Class, T1, T2, T3 or T4 are present.

These motors can also be manufactured for special environments, such as outdoor locations (YB-W type), indoor tropical humidity (YB-TH type), outdoor tropical humidity (YB-WTH type), indoor tropical arid (YB-TA type), Outdoor tropical arid (YB-WTA type), indoor tropical (YB-T type), outdoor tropical YB-WT type) and outdoor middle-class-chemical corrosion locations (YB-WF1 type).

Explicación de las marcas Ex y su designación: Explanation of Ex marking and designation:



Explicación del tipo de designación: Explanation of type designation:



ISO 9001:2000

2. Características de construcción:

- 2.1 Las construcciones antideflagrantes para d I, d II AT4,d II BT4, y d II CT4 están disponibles.
- 2.2 El grado de protección es IP55.
- 2.3 La refrigeración es IC 411
- 2.4 Las construcciones básicas y montajes son los tipos IMB3, IMB35, IMB5 y IMV1.
- 2.5 Los bobinados del estator son de aislamiento Clase F, y asegura un largo margen de seguridad al incrementar la temperatura, a lo largo del la vida del motor.
- 2.6 Los motores llevan un eje de salida cilíndrico, con chavetero para poder acoplar una polea, un engranaje etc....
- 2.7 Los bobinados del estator están bobinados con esmalte de poliéster alrededor del cable de alta resistencia, y luego tratados con la progresión de impregnación por presión después del vacío. (VPI), para convertirlos sólidos. Por lo tanto, el aislamiento del bobinado es excelente en propiedades eléctricas y mecánicas, resistencia de humedad y estabilidad térmica.
- 2.8 Los rotores son de aluminio fundido, y dinámicamente equilibrados para hacer que el motor trabaje suavemente, con poca vibración y bajo ruido.
- 2.9 Los núcleos del estator y de los rotores son laminados con chapa de acero de una clase eléctrica alta, con alta permeabilidad y baja perdida, esto significa que los motores tienen bajas perdidas y alta eficiencia.
- 2.10 Los motores están ensamblados con rodamientos especiales de baja vibración y poco ruido. Para motores de carcasa H132 e inferiores, se usan rodamientos de bolas bilateralemente blindadas. También arandelas onduladas en el eje anterior, presionando sobre los rodamientos, con la presión correcta para frenar efectivamente la vibración y ruido producidos durante el funcionamiento. Para motores de carcasa H160 y superiores, se usan rodamientos con cubiertas interiores y exteriores, y los ejes están equipados con anillas de conservación en la posición del rodamiento, todo ello para evitar que el rotor, eficientemente se mueva axialmente.
- Para poder funcionar con seguridad y confiadamente, los rodamientos de los motores de carcasa H315 y superiores tienen engrasadores, los cuales tienen la utilidad de vaciar o llenar la grasa lubricante sin que el motor pare. La posición del mecanismo de control de temperatura del rodamiento (opcional), irá a la parte izquierda.
- 2.11 Para motores de carcasa H280 y inferiores, los ventiladores están hechos de un plástico a prueba de rozamientos eléctricos, habiendo un pequeño movimiento de inercia y una baja pérdida de propiedades. Sin embargo, para motores de carcasa H315 y superiores, se usan ventiladores de aluminio fundido, o de chapa de acero soldada los cuales son ligeros y muy resistentes. Para toda la serie de motores, los ventiladores están fijados por un tornillo al eje, para hacer que el motor funcione seguro y fiable. Los sombreretes están hechos de chapa de acero prefabricada. Como condición esencial para prevenir de la introducción de sustancias sólidas de ciertas dimensiones, se consigue que los motores tengan la máxima área de ventilación para crear adecuadas corrientes.
- 2.12 Las cajas de bornes tienen un funcionamiento satisfactorio a prueba de explosión y un alto grado de protección. Tienen una gran cavidad para facilitar la conexión y son apropiadas para cable de goma-aislante, conducto de entrada y un tubo flexible protegido contra explosión (cable blindado). De acuerdo con los diferentes requerimientos de arranque, las cajas de bornes pueden ser hechas con una entrada directa de arranque, o dos entradas para arranque estrella-tríangulo.
- Normalmente, las cajas de bornes para los motores de H280 e inferiores están hechas con una entrada, y para motores H315 y superiores, con dos entradas.
- Serán con una entrada en los motores de carcasa H315 y superiores que sean de construcción "d II CT4" antideflagrante.
- ## **2. Construction features:**
- 2.1 The flameproof constructions for d I, d II AT4, d II BT4 and d II CT4 are available.
- 2.2 The degree of protection is IP55
- 2.3 The cooling form is IC411.
- 2.4 The basic constructions and mounting types are IMB3, IMB35, IMB5 and IMV1.
- 2.5 The startor windings are of Class F insulation and ensures a large margin of safety in temperature rise and long service life.
- 2.6 A cylindrical shaft extension is equipped on motors, which is driven by coupling or spur gearing.
- 2.7 The startor windings are wound with polyester enamel round wire of high strength and treated with the progress of vacuum-pressure impregnation (VPI), to make them become a solid integral. Therefore, the winding insulation is excellent

in electrical and mechanical properties, moisture resistance and thermal stability.

2.8 The rotors are of cast-aluminum, and dynamically balanced to make the motor operate smoothly with small vibration and low noise.

2.9 The startor and rotor cores are laminated with high-class electrical steel sheet with high permeability and low loss, thus makes the motors possess loss and high efficiency.

2.10 The motors are fitted with low vibration and low noise bearings special for motors. For the motors of frame size H132 and below, bilaterally shielded ball bearings are used and corrugated spring washers at the driving ends pressed on bearings with proper pressure to restrain effectively the vibration and noise produced during motors' operation. For the motors of frame size H160 and above, the bearings with inner and outer covers are used and retaining rings at bearing position are equipped on shafts to prevent the rotor efficiently from moving axially.

In order to operate safety and reliably, the bearings of the motors of frame size H315 and above are provided with greasing attachments, which are of the use to drain or replenish the lubricating grease without stopping the motors. The positions for mounting bearing temperature monitoring censers are preliminary left.

2.11 For the motors of frame size H280 and below, the fans are made of frictional electric proof plastic, being of small inertia movement and low loss characterize. However, for the motors of H315 and above, the cast-aluminum or steel-plate-welded fans are fitted which are of lightweight and high strength, For the whole series motors, the fans are key-jointed on the shaft to make the motor operation safety and reliably. The cowls are made of fabricated steel plate. On a prerequisite of preventing from the ingress of solid substances of certain size, they enable the motors to get maximum area of ventilation in order to form adequate currents.

2.12 The terminal boxes possess satisfactory explosion proof performance and higher protection degree. They have ample cavity to facilitate the connection and are suitable for rubber-insulated cable, conduit entry and explosion protected flexible pipe (armoured cable). According to the different starting requirements, the terminal boxes can made with either one entry for direct starting or two entries for star-delta starting. Within normal supply, the terminal boxes are fitted with one entry for frame size H280 and below and two entries for H315 and above, but one entry for H315 and above with flameproof construction of "d II CT4".

3. Condiciones de servicio:

3.1 Condiciones eléctricas

3.1.1 El voltaje es 380, 660 y 380/660

3.1.2 Frecuencia a 50 Hz

3.1.3 El Tipo de servicio es funcionamiento continuo, tipo de servicio S1

3.1.4 Condiciones según circunstancias.

Altitud hasta 1000 m. sobre el nivel del mar. La temperatura ambiente, que está sujeta según las variaciones de las estaciones, pertenece a ambientes interiores de -20 a +40°C .

YB es el tipo básico, apropiado para ambientes interiores.

YB-W para ambientes exteriores

YB-TH para ambientes húmedos tropicales de interior.

YB-WTH para ambientes húmedos tropicales de exterior.

YB-TA para ambientes áridos tropicales de interior.

YB-WTA para ambientes áridos tropicales de exterior.

YB-T para ambientes tropicales de interior.

YB-WT para ambientes tropicales de exterior.

YB-WF1 para ambientes exteriores medianamente químicos y corrosivos.

3. Service conditions:

3.1 Electrical conditions

3.1.1 The rated voltage is 380, 660 y 380/660.

3.1.2 The rated frequency is 50 Hz.

3.1.3 The duty type is continuous running duty-type S1.

3.1.4 Circumstance Conditions.

The altitude is up to 1000 m. above sea level. The ambient temperature, which is subject to seasonal variation, belongs to indoor circumstance of -20 ~ +40°C .

YB Is the basic type, suitable for indoor circumstance.

YB-W For outdoor circumstance.

YB-TH For indoor tropical humidity circumstance.

YB-WTH For outdoor tropical humidity circumstance.

YB-TA For indoor tropical arid circumstance.

YB-WTA For outdoor tropical arid circumstance.

YB-T For indoor tropical circumstance.

YB-WT For outdoor tropical circumstance

YB-WF1 For outdoor middle-class-chemical corrosion circumstance.

4 Información técnica:

4.1 La correlación entre la dimensión de la carcasa, potencia de salida, y velocidad se muestra en la Tabla 1.

4 Technical data:

4.1 The correlation between frame size, output and speed are shown in Table 1

Tabla 1 / Table 1

Serie YB (80 ~ 450) Motores Trifásicos de Inducción Antideflagrantes
Series YB (80 ~ 450) Flameproof Three Phase Induction Motors Type Menu

| Medida carcasa Frame size | Velocidad sincrónica r/min / Synchronous speed r/min | | | | | | | | | | |
|------------------------------------|--|-----------|-----------|----------|-----------|-----------|-----------|-----------|--|--|--|
| | 3000 (2p) | 1500 (4p) | 1000 (6p) | 750 (8p) | 600 (10p) | 500 (12p) | 429 (14p) | 375 (16p) | | | |
| | Potencia de salida kW / Output power kW | | | | | | | | | | |
| 80 | 1 | 0.75 | 0.55 | — | — | — | — | — | | | |
| | 2 | 1.1 | 0.75 | — | | | | | | | |
| 90S | | 1.5 | 1.1 | 0.75 | — | — | — | — | | | |
| 90L | | 2.2 | 1.5 | 1.1 | | | | | | | |
| 100L | 1 | 3 | 2.2 | 1.5 | — | — | — | — | | | |
| | 2 | | 3 | | | | | | | | |
| 112M | | 4 | 4 | 2.2 | — | — | — | — | | | |
| 132S | 1 | 5.5 | 5.5 | 3 | | 2.2 | — | — | | | |
| | 2 | 7.5 | | | | | | | | | |
| 132M | 1 | — | 7.5 | 4 | 3 | — | — | — | | | |
| | 2 | | | 5.5 | | | | | | | |
| 160M | 1 | 11 | 11 | 7.5 | 4 | — | — | — | | | |
| | 2 | 15 | | | | | | | | | |
| 160L | | 18.5 | 15 | 11 | 7.5 | — | — | — | | | |
| 180M | | 22 | 18.5 | — | — | | | | | | |
| 180L | | — | 22 | 15 | 11 | — | — | — | | | |
| 200L | 1 | 30 | 30 | 18.5 | 15 | | | | | | |
| | 2 | 37 | | 22 | | | | | | | |
| 225S | | — | 37 | — | 18.5 | — | — | — | | | |
| 225M | | 45 | 45 | 30 | 22 | | | | | | |
| 250M | | 55 | 55 | 37 | 30 | — | — | — | | | |
| 280S | | 75 | 75 | 45 | 37 | | | | | | |
| 280M | | 90 | 90 | 55 | 45 | — | — | — | | | |
| 315S | | 110 | 110 | 75 | 55 | | | | | | |
| 315M | | 132 | 132 | 90 | 75 | 55 | 55 | 55 | | | |
| 135L | 1 | 160 | 160 | 110 | 90 | — | — | — | | | |
| | (185) | (185) | — | — | — | | | | | | |
| 355S | 2 | 200 | 200 | 132 | 110 | 75 | (132) | (110) | | | |
| | 1 | 185 | 185 | 160 | 132 | 90 | 75 | 75 | | | |
| 355M | 2 | 200 | 200 | | | — | — | — | | | |
| | 1 | 220 | 220 | 185 | 160 | 110 | 90 | 75 | | | |
| 355L | 2 | 250 | 250 | 200 | | 132 | 110 | 110 | | | |
| | 1 | 280 | 280 | 220 | 185 | 160 | 132 | (110) | | | |
| 355L | 2 | 315 | 315 | 250 | 200 | (185) | (160) | | | | |
| | 3 | 355 | 355 | 282 | 220 | — | — | | | | |
| 400S | — | — | — | — | 185 | 160 | 132 | 110 | | | |
| 400M | | | | | 200 | 185 | 160 | 132 | | | |
| 450S | | | | | 220 | 200 | 185 | 160 | | | |
| 450M | 1 | | | | 250 | 220 | 200 | 185 | | | |
| | 2 | | | | 280 | 250 | 220 | 200 | | | |

4. 2 Los parámetros eléctricos se muestran en la Tabla 2.

4. 2 The electrical property parameters are shown in Table 2

Tabla 2 / Table 2

| Tipo Type | Potencia Output | Corriente Current | Velocidad Speed | Eficiencia Eff. | Factor de potencia Power factor | Bloqueo potencia Par de torsión Locked torque | Bloqueo corriente Corriente Locked current | Fuerza frenado Pull out torque Rated torque | Ruido Noise db(A) | Vibración Vibration mm/s | Mov. de inercia Inertia mov. | Peso Weigh |
|--------------|--------------------|----------------------|--------------------|--------------------|--|--|--|--|-------------------------|--------------------------------|---------------------------------------|---------------|
| | kW | A | r/min | % | cos φ | Rated torque | Rated current | Rated torque | I / II | kg.m ² | | |
| | | | | | | | | | | | | |

Velocidad sincrónica / Synchronous speed 3000 r/min (2 polos / pole)

| | | | | | | | | | | | | |
|-----------|------|-------|------|------|------|-----|-----|-----|---------|-----|--------|------|
| YB801-2 | 0.75 | 1.8 | 2825 | 75.0 | 0.84 | 2.2 | 6.5 | 2.3 | 66/71 | 1.8 | 0.0042 | 22 |
| YB802-2 | 1.1 | 2.5 | 2825 | 77.0 | 0.86 | 2.2 | 7.0 | 2.3 | 66/71 | 1.8 | 0.005 | 24 |
| YB90S-2 | 1.5 | 3.4 | 2840 | 78.0 | 0.85 | 2.2 | 7.0 | 2.3 | 70/75 | 1.8 | 0.0075 | 33 |
| YB90L-2 | 2.2 | 4.7 | 2840 | 80.5 | 0.86 | 2.2 | 7.0 | 2.3 | 70/75 | 1.8 | 0.0097 | 37 |
| YB100L-2 | 3 | 6.4 | 2880 | 82.0 | 0.87 | 2.2 | 7.0 | 2.3 | 74/79 | 1.8 | 0.0174 | 43 |
| YB112M-2 | 4 | 8.2 | 2890 | 85.0 | 0.87 | 2.2 | 7.0 | 2.3 | 74/79 | 1.8 | 0.0303 | 54 |
| YB132S1-2 | 5.5 | 11.1 | 2900 | 85.0 | 0.88 | 2.0 | 7.0 | 2.3 | 78/83 | 1.8 | 0.0631 | 79 |
| YB132S2-2 | 7.5 | 15.0 | 2900 | 86.2 | 0.88 | 2.0 | 7.0 | 2.3 | 78/83 | 1.8 | 0.0733 | 87 |
| YB160M1-2 | 11 | 21.8 | 2930 | 87.2 | 0.88 | 2.0 | 7.0 | 2.3 | 82/87 | 2.8 | 0.205 | 134 |
| YB160M2-2 | 15 | 29.4 | 2930 | 88.2 | 0.88 | 2.0 | 7.0 | 2.3 | 82/87 | 2.8 | 0.248 | 149 |
| YB160L-2 | 18.5 | 35.5 | 2930 | 89.0 | 0.89 | 2.0 | 7.0 | 2.2 | 82/87 | 2.8 | 0.307 | 167 |
| YB180M-2 | 22 | 42.2 | 2940 | 89.0 | 0.89 | 2.0 | 7.0 | 2.2 | 87/92 | 2.8 | 0.366 | 210 |
| YB200L1-2 | 30 | 56.9 | 2950 | 90.0 | 0.89 | 2.0 | 7.0 | 2.2 | 90/95 | 2.8 | 0.629 | 290 |
| YB200L2-2 | 37 | 69.8 | 2950 | 90.5 | 0.89 | 2.0 | 7.0 | 2.2 | 90/95 | 2.8 | 0.721 | 304 |
| YB225M-2 | 45 | 83.9 | 2970 | 91.5 | 0.89 | 2.0 | 7.0 | 2.2 | 90/97 | 2.8 | 1.278 | 380 |
| YB250M-2 | 55 | 102.7 | 2970 | 91.5 | 0.89 | 2.0 | 7.0 | 2.2 | 92/97 | 4.5 | 1.55 | 449 |
| YB280S-2 | 75 | 140.1 | 2970 | 92.0 | 0.89 | 2.0 | 7.0 | 2.2 | 94/99 | 4.5 | 2.87 | 640 |
| YB280M-2 | 90 | 167 | 2970 | 92.5 | 0.89 | 2.0 | 7.0 | 2.2 | 94/99 | 4.5 | 3.30 | 710 |
| YB315S-2 | 110 | 203 | 2980 | 92.5 | 0.89 | 1.8 | 6.8 | 2.2 | 99/104 | 4.5 | 2.02 | 1000 |
| YB315M-2 | 132 | 242 | 2980 | 93.0 | 0.89 | 1.8 | 6.8 | 2.2 | 99/104 | 4.5 | 2.14 | 1040 |
| YB315L1-2 | 160 | 292 | 2980 | 93.5 | 0.89 | 1.8 | 6.8 | 2.2 | 99/104 | 4.5 | 2.73 | 1350 |
| YB315L2-2 | 185 | 338 | 2980 | 93.5 | 0.89 | 1.8 | 6.8 | 2.2 | 99/104 | 4.5 | 3.12 | 1500 |
| YB315L2-2 | 200 | 365 | 2980 | 93.5 | 0.89 | 1.8 | 6.8 | 2.2 | 99/104 | 4.5 | 3.33 | 1600 |
| YB355S1-2 | 185 | 335 | 2980 | 94.2 | 0.89 | 1.4 | 7.0 | 2.5 | 104/109 | 4.5 | 4.79 | 1690 |
| YB355S2-2 | 200 | 362 | 2980 | 94.2 | 0.89 | 1.4 | 7.0 | 2.5 | 104/109 | 4.5 | 4.79 | 1690 |
| YB355M1-2 | 220 | 399 | 2980 | 94.2 | 0.89 | 1.4 | 7.0 | 2.5 | 104/109 | 4.5 | 4.79 | 1840 |
| YB355M-2 | 250 | 447 | 2980 | 94.5 | 0.90 | 1.4 | 7.0 | 2.5 | 106/111 | 4.5 | 5.66 | 2100 |
| YB355L1-2 | 280 | 499 | 2980 | 94.7 | 0.90 | 1.4 | 7.0 | 2.5 | 106/111 | 4.5 | 6.53 | 2260 |
| YB355L2-2 | 315 | 560 | 2980 | 95.0 | 0.90 | 1.4 | 7.0 | 2.5 | 106/111 | 4.5 | 6.53 | 2260 |
| YB355L3-2 | 355 | 631 | 2980 | 95.0 | 0.90 | 1.4 | 7.0 | 2.5 | 106/111 | 4.5 | | |

Velocidad sincrónica / Synchronous speed 1500 r/min (4 polos / pole)

| | | | | | | | | | | | | |
|-----------|------|------|------|------|------|-----|-----|-----|-------|-----|--------|-----|
| YB801-4 | 0.55 | 1.5 | 1390 | 73.0 | 0.76 | 2.4 | 6.0 | 2.3 | 56/67 | 1.8 | 0.006 | 22 |
| YB802-4 | 0.75 | 2.0 | 1390 | 74.5 | 0.76 | 2.3 | 6.0 | 2.3 | 56/67 | 1.8 | 0.0077 | 24 |
| YB90S-4 | 1.1 | 2.7 | 1400 | 78.0 | 0.78 | 2.3 | 6.5 | 2.3 | 61/67 | 1.8 | 0.012 | 33 |
| YB90L-4 | 1.5 | 3.7 | 1400 | 79.0 | 0.79 | 2.3 | 6.5 | 2.3 | 62/67 | 1.8 | 0.015 | 37 |
| YB100L1-4 | 2.2 | 5.0 | 1420 | 81.0 | 0.82 | 2.2 | 7.0 | 2.3 | 65/70 | 1.8 | 0.031 | 43 |
| YB100L2-4 | 3 | 6.8 | 1420 | 82.5 | 0.81 | 2.2 | 7.0 | 2.3 | 65/70 | 1.8 | 0.039 | 47 |
| YB112M-4 | 4 | 8.8 | 1440 | 84.5 | 0.82 | 2.2 | 7.0 | 2.3 | 68/74 | 1.8 | 0.059 | 58 |
| YB132S-4 | 5.5 | 11.6 | 1440 | 85.5 | 0.84 | 2.2 | 7.0 | 2.3 | 70/78 | 1.8 | 0.113 | 80 |
| YB132M-4 | 7.5 | 15.4 | 1440 | 87.0 | 0.85 | 2.2 | 7.0 | 2.3 | 71/78 | 1.8 | 0.167 | 95 |
| YB160M-4 | 11 | 22.6 | 1460 | 88.0 | 0.84 | 2.2 | 7.0 | 2.3 | 75/82 | 1.8 | 0.396 | 148 |
| YB160L-4 | 15 | 30.3 | 1460 | 88.5 | 0.85 | 2.2 | 7.0 | 2.3 | 77/82 | 1.8 | 0.493 | 166 |
| YB180M-4 | 18.5 | 35.9 | 1470 | 91.0 | 0.86 | 2.0 | 7.0 | 2.2 | 77/82 | 1.8 | 0.706 | 210 |
| YB180M-4 | 22 | 42.5 | 1470 | 91.5 | 0.86 | 2.0 | 7.0 | 2.2 | 77/82 | 1.8 | 0.812 | 234 |
| YB200L-4 | 30 | 56.8 | 1470 | 92.2 | 0.87 | 2.0 | 7.0 | 2.2 | 79/84 | 1.8 | 1.35 | 320 |
| YB225S-4 | 37 | 69.8 | 1480 | 91.8 | 0.87 | 1.9 | 7.0 | 2.2 | 79/84 | 1.8 | 2.18 | 360 |

Tabla 2 (continuación) / Table 2 (continued)

| Tipo Type | Potencia Output | Corriente Current | Velocidad Speed | Eficiencia Eff. | Factor de potencia Power factor | Bloqueo potencia Par de torsión Locked torque Rated torque | Bloqueo corriente Corriente Locked current Rated current | Fuerza frenado Noise db(A) Pull out torque Rated torque | Ruido Noise db(A) | Vibración Vibration | Mov. de inercia Inertia mov. | Peso Weigh |
|--------------|--------------------|----------------------|--------------------|--------------------|--|---|--|--|-------------------------|------------------------|---------------------------------------|---------------|
| | kW | A | r/min | % | cos φ | | | | 1 / II | mm/s | kg.m ² | |
| | | | | | | | | | | | | |

Velocidad sincrónica / Synchronous speed 1500 r/min (4 polos / pole)

| | | | | | | | | | | | | |
|-----------|-----|-------|------|------|------|-----|-----|-----|---------|-----|------|------|
| YB225M-4 | 45 | 84.2 | 1480 | 92.3 | 0.88 | 1.9 | 7.0 | 2.2 | 79/84 | 1.8 | 2.54 | 388 |
| YB250M-4 | 55 | 102.5 | 1480 | 92.6 | 0.88 | 2.0 | 7.0 | 2.2 | 81/86 | 2.8 | 3.35 | 530 |
| YB280S-4 | 75 | 139.7 | 1480 | 92.7 | 0.88 | 1.9 | 7.0 | 2.2 | 85/90 | 2.8 | 5.95 | 650 |
| YB280M-4 | 90 | 164.3 | 1480 | 93.5 | 0.89 | 1.9 | 7.0 | 2.2 | 85/90 | 2.8 | 7.94 | 780 |
| YB315S-4 | 110 | 201 | 1485 | 93.5 | 0.89 | 1.8 | 6.8 | 2.2 | 93/98 | 2.8 | | 1000 |
| YB315M-4 | 132 | 240 | 1485 | 94.0 | 0.89 | 1.8 | 6.8 | 2.2 | 96/101 | 2.8 | | 1100 |
| YB315L1-4 | 160 | 289 | 1485 | 94.5 | 0.89 | 1.8 | 6.8 | 2.2 | 96/101 | 2.8 | | 1100 |
| YB315L-4 | 185 | 334 | 1485 | 94.5 | 0.89 | 1.8 | 6.8 | 2.2 | 96/101 | 2.8 | | 1450 |
| YB315L2-4 | 200 | 361 | 1485 | 94.5 | 0.89 | 1.8 | 6.8 | 2.2 | 96/101 | 2.8 | | 1600 |
| YB355SL-4 | 185 | 342 | 1488 | 94.4 | 0.87 | 1.6 | 6.5 | 2.2 | 101/106 | 2.8 | | 1700 |
| YB355S2-4 | 200 | 370 | 1488 | 94.4 | 0.87 | 1.6 | 6.5 | 2.2 | 101/106 | 2.8 | | 1800 |
| YB355M1-4 | 220 | 407 | 1488 | 94.4 | 0.87 | 1.6 | 6.5 | 2.2 | 101/106 | 2.8 | | 1820 |
| YB355M2-4 | 250 | 461 | 1488 | 94.7 | 0.87 | 1.6 | 6.5 | 2.2 | 103/108 | 2.8 | | 1940 |
| YB355L1-4 | 280 | 518 | 1488 | 90.9 | 0.87 | 1.6 | 6.5 | 2.2 | 103/108 | 2.8 | | 2080 |
| YB355L2-4 | 315 | 578 | 1488 | 95.2 | 0.87 | 1.6 | 6.5 | 2.2 | 103/108 | 2.8 | | 2260 |
| YB355L3-4 | 355 | 651 | 1488 | 95.2 | 0.87 | 1.6 | 6.5 | 2.2 | 103/108 | 2.8 | | |

Velocidad sincrónica / Synchronous speed 1500 r/min (6 polos / pole)

| | | | | | | | | | | | | |
|-----------|------|-------|-----|------|------|-----|-----|-----|---------|-----|-------|------|
| YB90S-6 | 0.75 | 2.3 | 910 | 72.5 | 0.70 | 2.0 | 5.5 | 2.2 | 56/65 | 1.8 | 0.017 | 34 |
| YB90L-6 | 1.1 | 3.2 | 910 | 73.5 | 0.72 | 2.0 | 5.5 | 2.2 | 56/65 | 1.8 | 0.20 | 37 |
| YB110L-6 | 1.5 | 4.0 | 940 | 77.5 | 0.74 | 2.0 | 6.0 | 2.2 | 62/67 | 1.8 | 0.039 | 43 |
| YB112M-6 | 2.2 | 5.6 | 940 | 80.5 | 0.74 | 2.0 | 6.0 | 2.2 | 62/67 | 1.8 | 0.068 | 54 |
| YB132S-6 | 3 | 7.2 | 960 | 83.0 | 0.76 | 2.0 | 6.5 | 2.2 | 66/71 | 1.8 | 0.161 | 79 |
| YB132M1-6 | 4 | 9.4 | 960 | 84.0 | 0.77 | 2.0 | 6.5 | 2.2 | 66/71 | 1.8 | 0.203 | 90 |
| YB132M2-6 | 5.5 | 12.6 | 960 | 85.3 | 0.78 | 2.0 | 6.5 | 2.2 | 66/71 | 1.8 | 0.258 | 100 |
| YB160M-6 | 7.5 | 17.0 | 970 | 86.0 | 0.78 | 2.0 | 6.5 | 2.0 | 69/75 | 1.8 | 0.462 | 144 |
| YB160L-6 | 11 | 24.6 | 970 | 87.0 | 0.78 | 2.0 | 6.5 | 2.0 | 70/75 | 1.8 | 0.615 | 166 |
| YB180L-6 | 15 | 31.6 | 970 | 89.5 | 0.81 | 1.8 | 6.5 | 2.0 | 70/78 | 1.8 | 1.06 | 215 |
| YB200L1-6 | 18.5 | 37.7 | 970 | 89.8 | 0.83 | 1.8 | 6.5 | 2.0 | 73/78 | 1.8 | 1.60 | 275 |
| YB200L2-6 | 22 | 44.6 | 970 | 90.2 | 0.83 | 1.8 | 6.5 | 2.0 | 73/78 | 1.8 | 1.84 | 300 |
| YB225M-6 | 30 | 59.5 | 980 | 90.2 | 0.85 | 1.7 | 6.5 | 2.0 | 76/81 | 1.8 | 2.74 | 368 |
| YB250M-6 | 37 | 72.0 | 980 | 90.8 | 0.86 | 1.8 | 6.5 | 2.0 | 76/81 | 2.8 | 5.05 | 516 |
| YB280S-6 | 45 | 85.4 | 980 | 92.0 | 0.87 | 1.8 | 6.5 | 2.0 | 79/84 | 2.8 | 7.28 | 620 |
| YB280M-6 | 55 | 104.9 | 980 | 92.0 | 0.87 | 1.8 | 6.5 | 2.0 | 79/84 | 2.8 | 8.89 | 700 |
| YB315S-6 | 75 | 141 | 985 | 92.8 | 0.87 | 1.6 | 6.5 | 2.0 | 87/92 | 2.8 | | 920 |
| YB315M-6 | 90 | 169 | 985 | 93.2 | 0.87 | 1.6 | 6.5 | 2.0 | 87/92 | 2.8 | | 1100 |
| YB315L1-6 | 110 | 205 | 985 | 93.5 | 0.87 | 1.6 | 6.5 | 2.0 | 87/92 | 2.8 | | 1100 |
| YB315L2-6 | 132 | 246 | 985 | 93.8 | 0.87 | 1.6 | 6.5 | 2.0 | 87/92 | 2.8 | | 1200 |
| YB355S-6 | 160 | 300 | 985 | 94.1 | 0.86 | 1.5 | 6.5 | 2.2 | 97/102 | 2.8 | | 1650 |
| YB355M1-6 | 185 | 347 | 985 | 94.3 | 0.86 | 1.5 | 6.5 | 2.2 | 97/102 | 2.8 | | 1760 |
| YB355M2-6 | 200 | 375 | 985 | 94.3 | 0.86 | 1.5 | 6.5 | 2.2 | 97/102 | 2.8 | | 1970 |
| YB355L1-6 | 220 | 411 | 985 | 94.5 | 0.86 | 1.5 | 6.5 | 2.2 | 97/102 | 2.8 | | 2140 |
| YB335L2-6 | 250 | 466 | 985 | 94.7 | 0.86 | 1.5 | 6.5 | 2.2 | 100/105 | 2.8 | | 2250 |
| YB355L3-6 | 280 | 522 | 985 | 94.7 | 0.86 | 1.5 | 6.5 | 2.2 | 100/105 | 2.8 | | |

Tabla 2 (continuación) / Table 2 (continued)

| Tipo Type | Potencia Output | Corriente Current | Velocidad Speed | Eficiencia Eff. | Factor de potencia Power factor | Bloqueo potencia Par de torsión | Bloqueo corriente Corriente | Fuerza frenado Pull out torque Rated torque | Ruido Noise db(A) | Vibración Vibration | Mov. de inercia Inertia mov. | Peso Weigh |
|--------------|--------------------|----------------------|--------------------|--------------------|---------------------------------------|---------------------------------------|-----------------------------------|--|-------------------------|------------------------|------------------------------------|---------------|
| | kW | A | r/min | % | cos φ | Locked torque Rated torque | Locked current Rated current | Pull out torque Rated torque | I / II | mm/s | kg.m ² | |

Velocidad sincrónica / Synchronous speed 750 r/min (8 polos / pole)

| | | | | | | | | | | | | |
|-----------|------|------|-----|------|------|-----|-----|-----|-------|-----|------|------|
| YB132S-8 | 2.2 | 5.8 | 710 | 80.5 | 0.71 | 2.0 | 5.5 | 2.0 | 61/66 | 1.8 | 0.12 | 79 |
| YB132M-8 | 3 | 7.7 | 710 | 82.5 | 0.72 | 2.0 | 5.5 | 2.0 | 61/66 | 1.8 | 0.20 | 90 |
| YB160M1-8 | 4 | 9.9 | 720 | 84.0 | 0.73 | 2.0 | 6.0 | 2.0 | 64/69 | 1.8 | 0.36 | 132 |
| YB160M2-8 | 5.5 | 13.3 | 720 | 85.0 | 0.74 | 2.0 | 6.0 | 2.0 | 64/69 | 1.8 | 0.46 | 144 |
| YB160L-8 | 7.5 | 17.7 | 720 | 86.0 | 0.75 | 2.0 | 5.5 | 2.0 | 67/72 | 1.8 | 0.61 | 166 |
| YB160L-8 | 11 | 25.1 | 730 | 87.5 | 0.77 | 1.7 | 6.0 | 2.0 | 67/72 | 1.8 | 1.06 | 215 |
| YB200L-8 | 15 | 34.1 | 730 | 88.0 | 0.76 | 1.8 | 6.0 | 2.0 | 70/75 | 1.8 | 1.60 | 288 |
| YB225S-8 | 18.5 | 41.3 | 730 | 89.5 | 0.76 | 1.7 | 6.0 | 2.0 | 70/75 | 1.8 | 2.28 | 337 |
| YB225M-8 | 22 | 47.6 | 730 | 90.0 | 0.78 | 1.8 | 6.0 | 2.0 | 70/75 | 1.8 | 2.74 | 365 |
| YB250M-8 | 30 | 63.0 | 730 | 90.5 | 0.80 | 1.8 | 6.0 | 2.0 | 73/78 | 2.8 | 5.05 | 515 |
| YB280S-8 | 37 | 78.7 | 740 | 91.0 | 0.79 | 1.8 | 6.0 | 2.0 | 73/78 | 2.8 | 7.28 | 620 |
| YB280M-8 | 45 | 93.2 | 740 | 91.7 | 0.80 | 1.8 | 6.0 | 2.0 | 73/78 | 2.8 | 8.89 | 700 |
| YB315S-8 | 55 | 114 | 740 | 92.0 | 0.80 | 1.6 | 6.5 | 2.0 | 82/87 | 2.8 | | 920 |
| YB315M-8 | 75 | 152 | 740 | 92.5 | 0.81 | 1.6 | 6.5 | 2.0 | 82/87 | 2.8 | | 1100 |
| YB315L1-8 | 90 | 179 | 740 | 93.0 | 0.82 | 1.6 | 6.5 | 2.0 | 82/87 | 2.8 | | 1100 |
| YB315L2-8 | 110 | 218 | 740 | 93.3 | 0.82 | 1.6 | 6.5 | 2.0 | 82/87 | 2.8 | | 1300 |
| YB355S-8 | 132 | 264 | 740 | 93.8 | 0.81 | 1.4 | 6.0 | 2.2 | 94/99 | 2.8 | | 1640 |
| YB355M-8 | 160 | 319 | 740 | 94.0 | 0.81 | 1.4 | 6.0 | 2.2 | 94/99 | 2.8 | | 1820 |
| YB355L1-8 | 185 | 368 | 740 | 94.2 | 0.81 | 1.4 | 6.0 | 2.2 | 94/99 | 2.8 | | 2100 |
| YB355L2-8 | 200 | 398 | 740 | 94.3 | 0.81 | 1.4 | 6.0 | 2.2 | 94/99 | 2.8 | | 2200 |
| YB355L3-8 | 220 | 438 | 740 | 94.3 | 0.81 | 1.4 | 6.0 | 2.2 | 94/99 | 2.8 | | 2350 |

Velocidad sincrónica / Synchronous speed 600 r/min (10 polos / pole)

| | | | | | | | | | | | | |
|------------|-----|-----|-----|------|------|-----|-----|-----|-------|-----|--|--|
| YB315S-10 | 45 | 101 | 585 | 91.5 | 0.74 | 1.4 | 6.0 | 2.0 | 82/87 | 2.8 | | |
| YB315M-10 | 55 | 123 | 585 | 92.0 | 0.74 | 1.4 | 6.0 | 2.0 | 82/87 | 2.8 | | |
| YB315L2-10 | 75 | 164 | 585 | 92.5 | 0.75 | 1.4 | 6.0 | 2.0 | 82/87 | 2.8 | | |
| YB355S-10 | 90 | 191 | 585 | 93.0 | 0.77 | 1.3 | 6.0 | 2.0 | 91/96 | 2.8 | | |
| YB355M1-10 | 110 | 230 | 285 | 93.2 | 0.78 | 1.3 | 6.0 | 2.0 | 91/96 | 2.8 | | |
| YB355M2-10 | 132 | 275 | 585 | 93.5 | 0.78 | 1.3 | 6.0 | 2.0 | 94/99 | 2.8 | | |
| YB355L1-10 | 160 | 332 | 585 | 94.0 | 0.78 | 1.3 | 5.5 | 2.0 | 94/99 | 2.8 | | |
| YB355L2-10 | 185 | 379 | 585 | 94.0 | 0.79 | 1.2 | 5.5 | 2.0 | 94/99 | 2.8 | | |
| YB400S-10 | 185 | 374 | 585 | 94.0 | 0.80 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB400M-10 | 200 | 402 | 585 | 94.5 | 0.80 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450S-10 | 220 | 442 | 585 | 94.5 | 0.80 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450M1-10 | 250 | 496 | 585 | 94.5 | 0.81 | 1.2 | 6.5 | 2.0 | 102 | 2.8 | | |
| YB450M2-10 | 280 | 553 | 585 | 95.0 | 0.81 | 1.2 | 6.5 | 2.0 | 102 | 2.8 | | |

Tabla 2 (continuación) / Table 2 (continued)

| Tipo Type | Potencia Output | Corriente Current | Velocidad Speed | Eficiencia Effi. | Factor de potencia Power factor | Bloqueo potencia Par de torsión Locked torque | Bloqueo corriente Corriente Rated torque | Fuerza frenado Pull out torque Rated current | Ruido Noise | Vibración Vibration | Mov. de inercia Inertia mov. | Peso Weigh |
|--------------|--------------------|----------------------|--------------------|---------------------|--|--|--|---|-----------------|------------------------|---------------------------------------|---------------|
| | kW | A | r/min | % | cos φ | Locked torque Rated torque | Locked current Rated torque | Pull out torque Rated current | db(A) I / II | mm/s | kg.m ² | |
| | | | | | | | | | | | | |

Velocidad sincrónica / Synchronous speed 500 r/min (12 polos / pole)

| | | | | | | | | | | | | |
|------------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|--|--|
| YB315S-12 | 45 | 103 | 485 | 92.0 | 0.72 | 1.2 | 6.5 | 2.0 | 93 | 2.8 | | |
| YB315M-12 | 55 | 126 | 485 | 92.0 | 0.72 | 1.2 | 6.5 | 2.0 | 93 | 2.8 | | |
| YB355S-12 | 75 | 168 | 485 | 93.0 | 0.73 | 1.2 | 6.5 | 2.0 | 96 | 2.8 | | |
| YB355M1-12 | 90 | 201 | 485 | 93.0 | 0.73 | 1.2 | 6.5 | 2.0 | 96 | 2.8 | | |
| YB355M2-12 | 110 | 238 | 485 | 93.5 | 0.75 | 1.2 | 6.5 | 2.0 | 96 | 2.8 | | |
| YB355L1-12 | 132 | 286 | 485 | 93.5 | 0.75 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB355L2-12 | 160 | 347 | 485 | 93.5 | 0.75 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB400S-12 | 160 | 347 | 485 | 93.5 | 0.75 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB400M-12 | 185 | 383 | 485 | 94.0 | 0.78 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450S-12 | 200 | 414 | 485 | 94.0 | 0.78 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450M1-12 | 220 | 439 | 485 | 94.0 | 0.81 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450M2-12 | 250 | 496 | 485 | 94.5 | 0.81 | 1.2 | 6.5 | 2.0 | 102 | 2.8 | | |

Velocidad sincrónica / Synchronous speed 429 r/min (14 polos / pole)

| | | | | | | | | | | | | |
|------------|-----|-----|-----|------|------|-----|-----|-----|----|-----|--|--|
| YB315S-14 | 45 | 106 | 420 | 92.0 | 0.70 | 1.2 | 6.5 | 2.0 | 93 | 2.8 | | |
| YB315M-14 | 55 | 130 | 420 | 92.0 | 0.70 | 1.2 | 6.5 | 2.0 | 93 | 2.8 | | |
| YB355S-14 | 75 | 172 | 420 | 92.0 | 0.72 | 1.2 | 6.5 | 2.0 | 96 | 2.8 | | |
| YB355M1-14 | 90 | 205 | 420 | 92.5 | 0.72 | 1.2 | 6.5 | 2.0 | 96 | 2.8 | | |
| YB355M2-14 | 110 | 251 | 420 | 92.5 | 0.72 | 1.2 | 6.5 | 2.0 | 96 | 2.8 | | |
| YB355L-14 | 132 | 300 | 420 | 93.0 | 0.72 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB400S-14 | 132 | 300 | 420 | 93.0 | 0.72 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB400M-14 | 160 | 351 | 420 | 93.5 | 0.74 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450S-14 | 185 | 406 | 420 | 93.5 | 0.74 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450M1-14 | 200 | 414 | 420 | 94.0 | 0.78 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450M2-14 | 220 | 456 | 420 | 94.0 | 0.78 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |

Velocidad sincrónica / Synchronous speed 375 r/min (16 polos / pole)

| | | | | | | | | | | | | |
|------------|-----|-----|-----|------|------|-----|-----|-----|----|-----|--|--|
| YB315M-16 | 45 | 114 | 363 | 91.0 | 0.66 | 1.2 | 6.5 | 2.0 | 93 | 2.8 | | |
| YB355S-16 | 55 | 138 | 363 | 91.5 | 0.66 | 1.2 | 6.5 | 2.0 | 93 | 2.8 | | |
| YB355M1-16 | 75 | 186 | 363 | 91.5 | 0.67 | 1.2 | 6.5 | 2.0 | 96 | 2.8 | | |
| YB355M2-16 | 90 | 222 | 363 | 92.0 | 0.67 | 1.2 | 6.5 | 2.0 | 96 | 2.8 | | |
| TB355L-16 | 110 | 267 | 363 | 92.0 | 0.68 | 1.2 | 6.5 | 2.0 | 96 | 2.8 | | |
| YB400S-16 | 110 | 267 | 363 | 92.0 | 0.68 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB400M-16 | 132 | 319 | 363 | 92.5 | 0.68 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450S-16 | 160 | 375 | 363 | 92.5 | 0.70 | 1.2 | 6.5 | 2.8 | 99 | 2.8 | | |
| YB450M1-16 | 185 | 432 | 363 | 93.0 | 0.70 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |
| YB450M2-16 | 200 | 467 | 363 | 93.0 | 0.70 | 1.2 | 6.5 | 2.0 | 99 | 2.8 | | |

5. Construcción. Tipo de montaje y dimensiones.

5.1 Tipos de construcciones y montajes.

El tipo de montaje de esta clase de motores cumple con las Reglamentaciones de "Construcción de Motores y Tipo de Montaje GB997" y la Publicación 34-7 IEC.

Tres construcciones básicas están disponibles:

B3- Con patas montadas y sin brida.

B5- Con bridas montadas y sin patas.

B35- Con ambas patas y brida montadas.

Basándonos en las tres construcciones mencionadas anteriormente, esta serie de motores puede derivar en 12 tipos de construcciones, ver Tabla 3.

5. Constructions. Mounting types and overall dimensions

5.1 Constructions and Mounting Types.

The mounting types of this series motors conform to Standards GB997 Motor Construction and Mounting Type and IEC and the Publication 34-7.

The basic constructions are available:

B3- With foot mounted and flangeless.

B5- With flange mounted and footless.

B35- With both foot and flange mounted.

Based on three constructions mentioned above, this series motors can be derived 12 mounting types of constructions, see Table 3.

Tabla 3 / Table 3

| | | | | | | |
|---|--|------------|------------|------------|------------|-----|
| Tipo de construcción básica Basic type of construction | B3 | | | | | |
| Tipo de montaje Mounting type of construction | B3 | B6 | B7 | B8 | V5 | V6 |
| Dibujos ilustrados Illustrated diagram | | | | | | |
| Dimensión carcasas Frame size | YB80 ~ 450 YB80 ~ 160 | | | | | |
| Tipo de construcción básica Basic type of construction | B5 | | | B35 | | |
| Tipo de montaje Mounting type of construction | B5 | V1 | V3 | B35 | V15 | V36 |
| Dibujos ilustrados Illustrated diagram | | | | | | |
| Dimensión carcasas Frame size | YB80 ~ 225 | YB80 ~ 450 | YB80 ~ 160 | YB80 ~ 450 | YB80 ~ 160 | |

5.2 Para montaje y dimensiones, ver Tabla 4 y 5

5.2 For the mounting and overall dimensions, see Tables 4 and 5

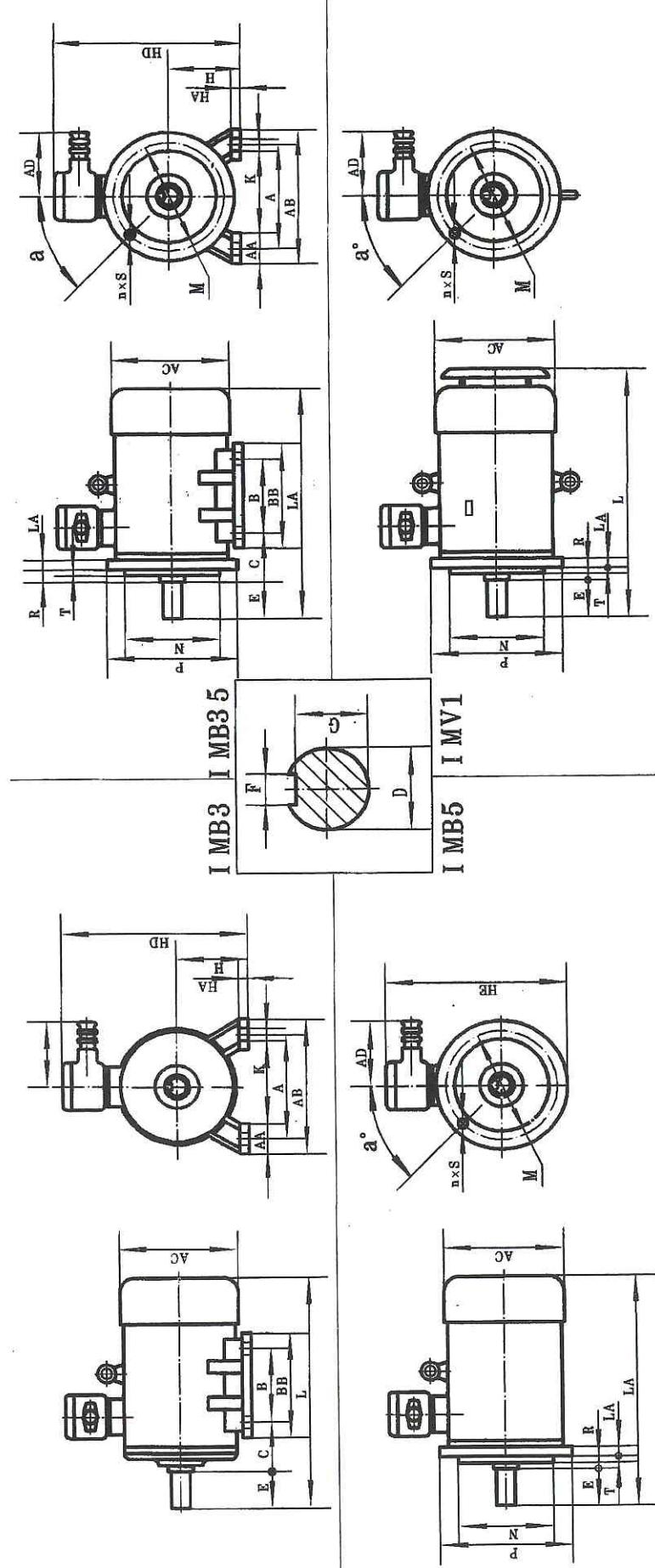


Tabla 5 / Table 5

La potencia de salida de 315-355 corresponde a las dimensiones "B" y "BB" montadas con IMB3.
The output of H3153-555 corresponds to "B" and "BB" dimensions with IMB3.