

**MOTOR MAC QI 160 L**

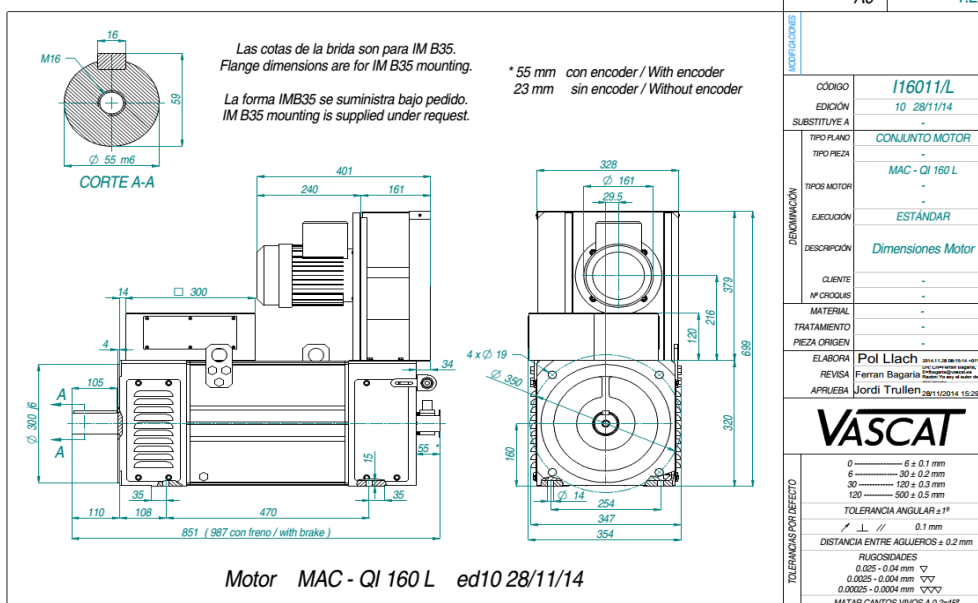
- Hoja de Datos Técnicos -  
- Technical Datasheet -

Código DT-QI160L  
Edición 13  
Página 1/1  
Fecha 01/12/2014

|                                                                        |           |                                              |                                            |                                                 |                                                                                 |                             |                                                           |                              |
|------------------------------------------------------------------------|-----------|----------------------------------------------|--------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------|------------------------------|
| <b>Ventilador / Fan</b>                                                |           |                                              | Rodamientos<br><i>Bearings</i>             |                                                 | Delantero<br><i>Drive End</i>                                                   | 6312 ZZ C3                  | Trasero<br><i>Non Drive End</i>                           | 6310 ZZ C3                   |
| Tensión / <i>Voltage</i>                                               | 230/400 V | 460 V                                        | Momento de inercia<br><i>Rotor Inertia</i> |                                                 |                                                                                 | J = 0,352 Kg m <sup>2</sup> | Peso Motor<br><i>Motor Weight</i>                         | 301 Kg                       |
| Frec. / <i>Frequency</i>                                               | 50 Hz     | 60 Hz                                        | Protección<br><i>Protection Degree</i>     |                                                 |                                                                                 | IP 23                       | Construcción<br><i>Mounting</i>                           | IM B3 / B35                  |
| Potencia / <i>Power</i>                                                | 0,75 KW   | 0,86 KW                                      | Refrigeración<br><i>Cooling</i>            |                                                 |                                                                                 | IC06                        |                                                           |                              |
| Velocidad / <i>Speed</i>                                               | 2850 rpm  | 3350 rpm                                     | Nivel de ruido<br><i>Noise Level</i>       |                                                 |                                                                                 | < 80 dB                     | Velocidad máxima mecánica<br><i>Max. Mechanical Speed</i> |                              |
| Caudal / <i>Air flow</i>                                               | 1200 m3/h |                                              |                                            |                                                 |                                                                                 | 5000 rpm                    |                                                           |                              |
| Presión / <i>Pressure</i>                                              | 800 Pa    |                                              |                                            |                                                 |                                                                                 |                             |                                                           |                              |
| Equilibrado grado<br><i>Balancing degree</i>                           | A         | Aislamiento Clase<br><i>Insulation Class</i> | F                                          | Protección Térmica<br><i>Thermal Protection</i> |                                                                                 |                             | PTC 140 °C                                                | Ambiente<br><i>Ambient</i>   |
|                                                                        |           |                                              |                                            |                                                 |                                                                                 | < 40 °C < 1000 m            |                                                           |                              |
| <b>Freno de Bloqueo (opcional)<br/><i>Holding Brake (optional)</i></b> |           |                                              | 300 Nm                                     | 24 Vdc                                          | 2.5 A                                                                           | 60 W                        | 18 Kg                                                     | J = 0.0017 Kg m <sup>2</sup> |
| Tensión de Base del Motor<br><i>Motor Base Voltage</i>                 |           |                                              | Vb                                         | 400 V                                           | Tensión Máxima de Salida del Convertidor<br><i>Inverter max. Output Voltage</i> |                             |                                                           |                              |
|                                                                        |           |                                              |                                            |                                                 | Vc                                                                              |                             |                                                           |                              |
|                                                                        |           |                                              |                                            |                                                 | 400 V                                                                           |                             |                                                           |                              |

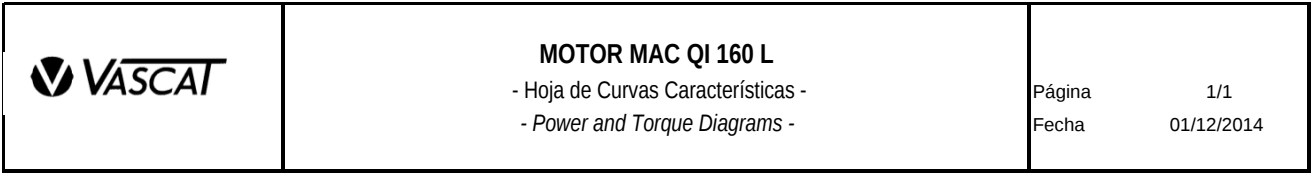
| Servicio / Service S1 |     |     |       |      |     |                                                     | Servicio / Service S6 - 40% |     |       |      |     |                                                     |                                              |
|-----------------------|-----|-----|-------|------|-----|-----------------------------------------------------|-----------------------------|-----|-------|------|-----|-----------------------------------------------------|----------------------------------------------|
| Bobinado<br>Winding   | Nm  | A   | KW    | rpm  | Hz  | Velocidad a Pot.Cte<br>Const. Power Speed.<br>(rpm) | Nm                          | A   | KW    | rpm  | Hz  | Velocidad a Pot.Cte<br>Const. Power Speed.<br>(rpm) | Corriente en vacío<br>No Load Current<br>(A) |
| A41                   | 510 | 50  | 25.8  | 484  | 17  | 1400                                                | 757                         | 71  | 38.4  | 484  | 17  | 1030                                                | 20                                           |
| B41                   | 510 | 58  | 30.7  | 574  | 20  | 1660                                                | 757                         | 83  | 45.5  | 574  | 20  | 1220                                                | 23                                           |
| C41                   | 510 | 70  | 37.1  | 695  | 24  | 2010                                                | 756                         | 98  | 55.0  | 695  | 24  | 1480                                                | 29                                           |
| D41                   | 510 | 87  | 48.3  | 904  | 31  | 2620                                                | 758                         | 124 | 71.7  | 904  | 31  | 1930                                                | 32                                           |
| E41                   | 510 | 104 | 57.9  | 1084 | 37  | 3140                                                | 758                         | 147 | 85.9  | 1084 | 37  | 2310                                                | 40                                           |
| F41                   | 510 | 115 | 64.3  | 1204 | 41  | 3490                                                | 757                         | 163 | 95.4  | 1204 | 41  | 2570                                                | 46                                           |
| G41                   | 510 | 130 | 72.4  | 1355 | 46  | 3920                                                | 756                         | 183 | 107.3 | 1355 | 46  | 2890                                                | 53                                           |
| H41                   | 510 | 148 | 83.5  | 1564 | 53  | 4530                                                | 757                         | 209 | 123.9 | 1564 | 53  | 3340                                                | 59                                           |
| I41                   | 510 | 172 | 97.9  | 1834 | 62  | 5000                                                | 757                         | 244 | 145.3 | 1834 | 62  | 3910                                                | 69                                           |
| F42                   | 510 | 198 | 114.0 | 2134 | 72  | 5000                                                | 757                         | 282 | 169.1 | 2134 | 72  | 4540                                                | 78                                           |
| G42                   | 500 | 221 | 124.4 | 2375 | 80  | 5000                                                | 741                         | 310 | 184.1 | 2375 | 80  | 5000                                                | 95                                           |
| H42                   | 490 | 248 | 140.4 | 2736 | 92  | 5000                                                | 726                         | 348 | 207.9 | 2736 | 92  | 5000                                                | 106                                          |
| I42                   | 480 | 285 | 160.1 | 3186 | 107 | 5000                                                | 710                         | 398 | 236.8 | 3186 | 107 | 5000                                                | 127                                          |

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

|          |         |          |
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| Elabora: | Revisa: | Aprueba: |
|----------|---------|----------|



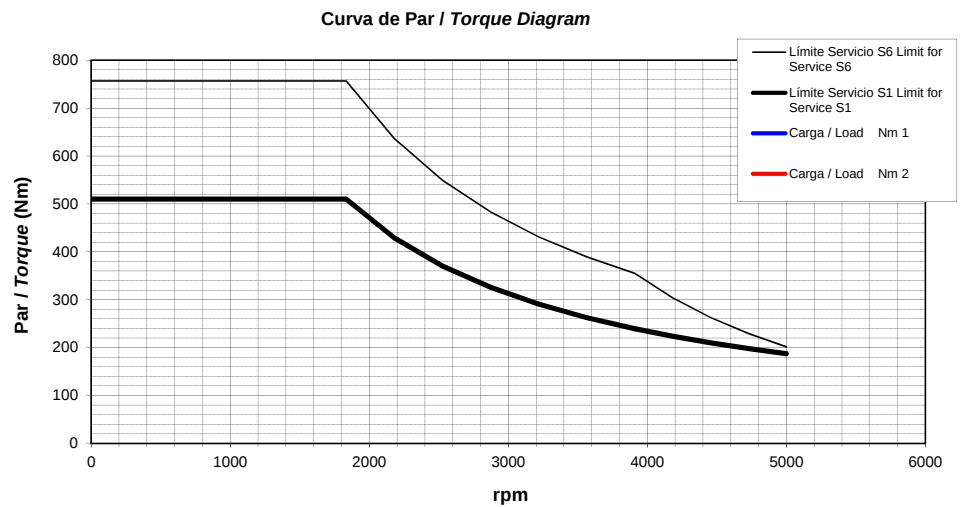
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|  | <p align="center"><b>MOTOR MAC QI 160 L</b></p> <p align="center">- Hoja de Curvas Características -</p> <p align="center">- Power and Torque Diagrams -</p> | <p>Página 1/1</p> <p>Fecha 01/12/2014</p> |
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|                                                        |              |                                                                                 |              |
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| Tensión de Base del Motor<br><i>Motor Base Voltage</i> | <b>400 V</b> | Tensión Máxima de Salida del Convertidor<br><i>Inverter max. Output Voltage</i> | <b>400 V</b> |
|--------------------------------------------------------|--------------|---------------------------------------------------------------------------------|--------------|

|                                                        |              |                                                                                 |              |
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|                     | Servicio / Service S1 |     |      |      |    |                                                     | Servicio / Service S6 - 40% |     |       |      |    |                                                     |                                              |
|---------------------|-----------------------|-----|------|------|----|-----------------------------------------------------|-----------------------------|-----|-------|------|----|-----------------------------------------------------|----------------------------------------------|
| Bobinado<br>Winding | Nm                    | A   | KW   | rpm  | Hz | Velocidad a Pot Cte<br>Const. Power Speed.<br>(rpm) | Nm                          | A   | KW    | rpm  | Hz | Velocidad a Pot Cte<br>Const. Power Speed.<br>(rpm) | Corriente en vacío<br>No Load Current<br>(A) |
| I41                 | 510                   | 172 | 97.9 | 1834 | 62 | 5000                                                | 757                         | 244 | 145.3 | 1834 | 62 | 3910                                                | 69                                           |

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