

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TH56B2 0,12 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 56,5% at 50Hz - 59,8% at 60 Hz 75%: 57,1% at 50Hz - 57,2% at 60 Hz 50%: 54,1% at 50Hz - 50,1% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH56B2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,12 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2640 - 3310 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 42,5%; P2 (50;100) = 36,3%; P3 (25;100) = 37,3%; P4 (90;50) = 36,8%; P5 (50;50) = 25,9%; P6 (50;25) = 18,1%; P7 (25;25) = 13,5%</p>

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TH63A2 - TBH63A2 0,18 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 63,7% at 50Hz - 65,1% at 60 Hz 75%: 58,7% at 50Hz - 60,2% at 60 Hz 50%: 53,5% at 50Hz - 53,8% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH63A2 - TBH63A2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,18 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2830 - 3470 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 45,4%; P2 (50;100) = 36,4%; P3 (25;100) = 33,8%; P4 (90;50) = 35,5%; P5 (50;50) = 25,5%; P6 (50;25) = 24,0%; P7 (25;25) = 17,8%</p>

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TH63B2 - TBH63B2 0,25 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 70,9% at 50Hz - 72,8% at 60 Hz 75%: 69,0% at 50Hz - 71,0% at 60 Hz 50%: 63,6% at 50Hz - 64,6% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH63B2 - TBH63B2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,25 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2820 - 3460 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 36,2%; P2 (50;100) = 29,4%; P3 (25;100) = 28,9%; P4 (90;50) = 25,4%; P5 (50;50) = 17,8%; P6 (50;25) = 17,1%; P7 (25;25) = 12,8%</p>

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TH63C2 - TBH63C2 0,37 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 70,1% at 50Hz - 72,8% at 60 Hz 75%: 69,6% at 50Hz - 71,0% at 60 Hz 50%: 65,8% at 50Hz - 64,6% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH63C2 - TBH63C2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,37 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2790 - 3440 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 36,6%; P2 (50;100) = 31,6%; P3 (25;100) = 34,4%; P4 (90;50) = 24,3%; P5 (50;50) = 17,5%; P6 (50;25) = 16,9%; P7 (25;25) = 11,8%</p>

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TH71A2 - TBH71A2 0,37 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 70,1% at 50Hz - 72,1% at 60 Hz 75%: 68,7% at 50Hz - 70,4% at 60 Hz 50%: 62,1% at 50Hz - 63,1% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH71A2 - TBH71A2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,37 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2820 - 3450 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 40,9%; P2 (50;100) = 32,1%; P3 (25;100) = 29,2%; P4 (90;50) = 29,3%; P5 (50;50) = 20,4%; P6 (50;25) = 18,9%; P7 (25;25) = 13,9%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TH71B2 - TBH71B2 0,55 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 74,1% at 50Hz - 74,8% at 60 Hz 75%: 72,3% at 50Hz - 73,3% at 60 Hz 50%: 65,8% at 50Hz - 67,0% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH71B2 - TBH71B2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,55 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2830 - 3470 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 29,3%; P2 (50;100) = 23,6%; P3 (25;100) = 22,9%; P4 (90;50) = 21,5%; P5 (50;50) = 14,7%; P6 (50;25) = 14,5%; P7 (25;25) = 10,7%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP80A2 - TBP80A2 0,75 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 81,8% at 50Hz - 81,6% at 60 Hz 75%: 82,3% at 50Hz - 81,7% at 60 Hz 50%: 80,9% at 50Hz - 78,9% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP80A2 - TBP80A2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,75 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2860 - 3490 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 22,1%; P2 (50;100) = 17,7%; P3 (25;100) = 19,0%; P4 (90;50) = 11,7%; P5 (50;50) = 7,4%; P6 (50;25) = 3,0%; P7 (25;25) = 5,4%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP80B2 - TBP80B2 1,1 kW	
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 84,0% at 50Hz - 84,7% at 60 Hz 75%: 85,0% at 50Hz - 84,6% at 60 Hz 50%: 84,3% at 50Hz - 83,3% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP80B2 - TBP80B2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>1,1 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2860 - 3490 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l.</p> <p>(b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C</p> <p>(c) water coolant temperature at the inlet to the product, where applicable; Not applicable</p> <p>(d) maximum operating temperature; 155°C on windings (Class F)</p> <p>(e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 18,1%; P2 (50;100) = 14,6%; P3 (25;100) = 13,4%; P4 (90;50) = 9,4%; P5 (50;50) = 6,3%; P6 (50;25) = 5,0%; P7 (25;25) = 3,1%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP90S2 - TBP90S2 1,5 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 84,8% at 50Hz - 85,5% at 60 Hz 75%: 84,2% at 50Hz - 84,8% at 60 Hz 50%: 82,0% at 50Hz - 81,9% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP90S2 - TBP90S2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>1,5 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2860 - 3490 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 18,8%; P2 (50;100) = 14,6%; P3 (25;100) = 13,1%; P4 (90;50) = 10,2%; P5 (50;50) = 6,5%; P6 (50;25) = 5,2%; P7 (25;25) = 3,6%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP90L2 - TBP90L2 2,2 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 86,2% at 50Hz - 86,5% at 60 Hz 75%: 85,9% at 50Hz - 85,4% at 60 Hz 50%: 83,6% at 50Hz - 82,6% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP90L2 - TBP90L2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>2,2 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2880 - 3510 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 14,7%; P2 (50;100) = 11,9%; P3 (25;100) = 10,4%; P4 (90;50) = 8,2%; P5 (50;50) = 5,8%; P6 (50;25) = 5,1%; P7 (25;25) = 3,7%</p>

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TP100L2 - TBP100L2 3 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 87,2% at 50Hz - 88,5% at 60 Hz 75%: 86,7% at 50Hz - 87,2% at 60 Hz 50%: 83,9% at 50Hz - 84,8% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP100L2 - TBP100L2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>3 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2900 - 3520 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 14,1%; P2 (50;100) = 10,8%; P3 (25;100) = 8,4%; P4 (90;50) = 2,3%; P5 (50;50) = 5,1%; P6 (50;25) = 5,2%; P7 (25;25) = 2,3%</p>

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TP112M2 - TBP112M2 4 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 88,8% at 50Hz - 88,8% at 60 Hz 75%: 88,7% at 50Hz - 88,1% at 60 Hz 50%: 86,8% at 50Hz - 85,3% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP112M2 - TBP112M2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>4 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2930 - 3550 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 13,9%; P2 (50;100) = 9,5%; P3 (25;100) = 7,1%; P4 (90;50) = 8,2%; P5 (50;50) = 4,8%; P6 (50;25) = 3,8%; P7 (25;25) = 2,3%</p>

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TP132S2 - TBP132S2 5,5 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 90,2% at 50Hz - 89,6% at 60 Hz 75%: 90,0% at 50Hz - 88,5% at 60 Hz 50%: 88,0% at 50Hz - 85,4% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP132S2 - TBP132S2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>5,5 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2950 - 3550 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 14,1%; P2 (50;100) = 8,7%; P3 (25;100) = 6,2%; P4 (90;50) = 10,0%; P5 (50;50) = 5,1%; P6 (50;25) = 4,1%; P7 (25;25) = 2,1%</p>

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TP132M2 - TBP132M2 7,5 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 91,0% at 50Hz - 90,6% at 60 Hz 75%: 90,9% at 50Hz - 88,6% at 60 Hz 50%: 89,1% at 50Hz - 86,2% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP132M2 - TBP132M2</p>
5	<p>Number of poles of the motor;</p> <p>2</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>7,5 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>2950 - 3550 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 11,2%; P2 (50;100) = 7,5%; P3 (25;100) = 5,2%; P4 (90;50) = 6,4%; P5 (50;50) = 4,2%; P6 (50;25) = 2,7%; P7 (25;25) = 1,9%</p>

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TH63A4 - TBH63A4 0,12 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 62,6% at 50Hz - 66,1% at 60 Hz 75%: 62,3% at 50Hz - 64,4% at 60 Hz 50%: 57,3% at 50Hz - 60,1% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH63A4 - TBH63A4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,12 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1350 - 1680 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 56,1%; P2 (50;100) = 52,5%; P3 (25;100) = 60,2%; P4 (90;50) = 36,8%; P5 (50;50) = 29,7%; P6 (50;25) = 26,4%; P7 (25;25) = 20,9%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP63A4 - TBP63A4 0,12 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 64,8% at 50Hz - 66,0% at 60 Hz 75%: 63,3% at 50Hz - 62,5% at 60 Hz 50%: 57,9% at 50Hz - 55,9% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP63A4 - TBP63A4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,12 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1350 - 1680 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 47,8%; P2 (50;100) = 44,1%; P3 (25;100) = 51,9%; P4 (90;50) = 28,4%; P5 (50;50) = 21,4%; P6 (50;25) = 18,1%; P7 (25;25) = 15,1%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

SH63A4 - HSH63A4 0,12 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 61,0% at 50Hz 75%: 55,4% at 50Hz 50%: 44,9% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>SH63A4 - HSH63A4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,12 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1400 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Single-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = N.A.; P2 (50;100) = N.A.; P3 (25;100) = N.A.; P4 (90;50) = N.A.; P5 (50;50) = N.A.; P6 (50;25) = N.A.; P7 (25;25) = N.A.</p> <p>Note: if you need to supply a motor by a VSD and you have available only a single-phase supply, you must use the solution "single phase VSD + three-phase motor". It's inconvenient to supply a single phase motor by a VSD for both technical and economical reasons.</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TH63B4 - TBH63B4 0,18 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 66,1% at 50Hz - 70,8% at 60 Hz 75%: 64,3% at 50Hz - 68,9% at 60 Hz 50%: 58,6% at 50Hz - 62,5% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH63B4 - TBH63B4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,18 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1360 - 1690 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 48,1%; P2 (50;100) = 44,7%; P3 (25;100) = 48,4%; P4 (90;50) = 30,5%; P5 (50;50) = 24,6%; P6 (50;25) = 22,8%; P7 (25;25) = 18,4%</p>

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TP63B4 - TBP63B4 0,18 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 69,9% at 50Hz - 69,5% at 60 Hz 75%: 67,9% at 50Hz - 66,8% at 60 Hz 50%: 62,8% at 50Hz - 60,7% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP63B4 - TBP63B4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,18 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1350 - 1680 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 41,3%; P2 (50;100) = 38,7%; P3 (25;100) = 39,4%; P4 (90;50) = 24,3%; P5 (50;50) = 20,9%; P6 (50;25) = 18,1%; P7 (25;25) = 16,7%</p>

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SH63B4 - HSH63B4 0,18 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 64,7% at 50Hz 75%: 58,5% at 50Hz 50%: 47,9% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>SH63B4 - HSH63B4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,18 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1370 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Single-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = N.A.; P2 (50;100) = N.A.; P3 (25;100) = N.A.; P4 (90;50) = N.A.; P5 (50;50) = N.A.; P6 (50;25) = N.A.; P7 (25;25) = N.A.</p> <p>Note: if you need to supply a motor by a VSD and you have available only a single-phase supply, you must use the solution "single phase VSD + three-phase motor". It's inconvenient to supply a single phase motor by a VSD for both technical and economical reasons.</p>

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TH63D4 - TBH63D4 0,25 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 68,5% at 50Hz - 71,8% at 60 Hz 75%: 66,7% at 50Hz - 69,1% at 60 Hz 50%: 59,8% at 50Hz - 63,1% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH63D4 - TBH63D4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,25 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1350 - 1680 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 51,6%; P2 (50;100) = 47,7%; P3 (25;100) = 52,6%; P4 (90;50) = 32,7%; P5 (50;50) = 27,0%; P6 (50;25) = 24,4%; P7 (25;25) = 19,5%</p>

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TH71A4 - TBH71A4 0,25 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 68,5% at 50Hz - 71,8% at 60 Hz 75%: 67,5% at 50Hz - 69,5% at 60 Hz 50%: 61,7% at 50Hz - 63,7% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH71A4 - TBH71A4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,25 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1380 - 1710 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 48,0%; P2 (50;100) = 42,3%; P3 (25;100) = 49,4%; P4 (90;50) = 29,6%; P5 (50;50) = 23,3%; P6 (50;25) = 20,8%; P7 (25;25) = 15,6%</p>

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TP71A4 - TBP71A4 0,25 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 73,5% at 50Hz - 73,6% at 60 Hz 75%: 72,8% at 50Hz - 73,4% at 60 Hz 50%: 68,5% at 50Hz - 68,2% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP71A4 - TBP71A4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,25 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1410 - 1730 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 31,3%; P2 (50;100) = 26,9%; P3 (25;100) = 24,1%; P4 (90;50) = 19,0%; P5 (50;50) = 14,6%; P6 (50;25) = 11,1%; P7 (25;25) = 9,5%</p>

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SH71A4 - HSH71A4 0,25 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 68,5% at 50Hz 75%: 61,9% at 50Hz 50%: 50,6% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>SH71A4 - HSH71A4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,25 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1450 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Single-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = N.A.; P2 (50;100) = N.A.; P3 (25;100) = N.A.; P4 (90;50) = N.A.; P5 (50;50) = N.A.; P6 (50;25) = N.A.; P7 (25;25) = N.A.</p> <p>Note: if you need to supply a motor by a VSD and you have available only a single-phase supply, you must use the solution "single phase VSD + three-phase motor". It's inconvenient to supply a single phase motor by a VSD for both technical and economical reasons.</p>

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TH71B4 - TBH71B4 0,37 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 72,7% at 50Hz - 74,8% at 60 Hz 75%: 72,4% at 50Hz - 74,1% at 60 Hz 50%: 69,1% at 50Hz - 69,7% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH71B4 - TBH71B4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,37 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1400 - 1710 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 38,4%; P2 (50;100) = 33,6%; P3 (25;100) = 37,4%; P4 (90;50) = 22,3%; P5 (50;50) = 17,3%; P6 (50;25) = 14,8%; P7 (25;25) = 11,7%</p>

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TP71B4 - TBP71B4 0,37 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 77,3% at 50Hz - 78,2% at 60 Hz 75%: 76,4% at 50Hz - 77,2% at 60 Hz 50%: 72,5% at 50Hz - 72,3% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP71B4 - TBP71B4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,37 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1410 - 1730 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = %; P2 (50;100) = %; P3 (25;100) = %; P4 (90;50) = %; P5 (50;50) = %; P6 (50;25) = %; P7 (25;25) = %</p>

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SH71B4 - HSH71B4 0,37 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 72,7% at 50Hz 75%: 66,4% at 50Hz 50%: 59,1% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>SH71B4 - HSH71B4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,37 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1430 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Single-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = N.A.; P2 (50;100) = N.A.; P3 (25;100) = N.A.; P4 (90;50) = N.A.; P5 (50;50) = N.A.; P6 (50;25) = N.A.; P7 (25;25) = N.A.</p> <p>Note: if you need to supply a motor by a VSD and you have available only a single-phase supply, you must use the solution "single phase VSD + three-phase motor". It's inconvenient to supply a single phase motor by a VSD for both technical and economical reasons.</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TH71C4 - TBH71C4 0,55 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 77,1% at 50Hz - 77,9% at 60 Hz 75%: 76,7% at 50Hz - 76,5% at 60 Hz 50%: 73,1% at 50Hz - 71,9% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH71C4 - TBH71C4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,55 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1400 - 1720 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 31,8%; P2 (50;100) = 28,8%; P3 (25;100) = 29,5%; P4 (90;50) = 19,0%; P5 (50;50) = 14,7%; P6 (50;25) = 12,6%; P7 (25;25) = 9,8%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TH80A4 - TBH80A4 0,55 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 77,3% at 50Hz - 80,0% at 60 Hz 75%: 77,3% at 50Hz - 78,8% at 60 Hz 50%: 73,5% at 50Hz - 74,0% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH80A4 - TBH80A4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,55 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1420 - 1730 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 28,2%; P2 (50;100) = 25,1%; P3 (25;100) = 23,9%; P4 (90;50) = 16,5%; P5 (50;50) = 13,2%; P6 (50;25) = 11,3%; P7 (25;25) = 10,1%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP80A4 - TBP80A4 0,55 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 77,3% at 50Hz - 81,1% at 60 Hz 75%: 77,3% at 50Hz - 81,0% at 60 Hz 50%: 73,5% at 50Hz - 76,8% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP80A4 - TBP80A4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,55 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1440 - 1750 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 23,1%; P2 (50;100) = 20,4%; P3 (25;100) = 18,2%; P4 (90;50) = 14,7%; P5 (50;50) = 12,1%; P6 (50;25) = 10,1%; P7 (25;25) = 8,1%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

SH80A4 - HSH80A4 0,55 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 77,1% at 50Hz 75%: 71,2% at 50Hz 50%: 63,0% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>SH80A4 - HSH80A4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,55 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1460 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Single-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l.</p> <p>(b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C</p> <p>(c) water coolant temperature at the inlet to the product, where applicable; Not applicable</p> <p>(d) maximum operating temperature; 155°C on windings (Class F)</p> <p>(e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = N.A.; P2 (50;100) = N.A.; P3 (25;100) = N.A.; P4 (90;50) = N.A.; P5 (50;50) = N.A.; P6 (50;25) = N.A.; P7 (25;25) = N.A.</p> <p>Note: if you need to supply a motor by a VSD and you have available only a single-phase supply, you must use the solution "single phase VSD + three-phase motor". It's inconvenient to supply a single phase motor by a VSD for both technical and economical reasons.</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP80B4 - TBP80B4 0,75 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 82,9% at 50Hz - 85,5% at 60 Hz 75%: 82,5% at 50Hz - 82,8% at 60 Hz 50%: 80,0% at 50Hz - 79,8% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP80B4 - TBP80B4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,75 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1440 - 1750 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 22,2%; P2 (50;100) = 18,3%; P3 (25;100) = 18,9%; P4 (90;50) = 13,6%; P5 (50;50) = 9,1%; P6 (50;25) = 7,1%; P7 (25;25) = 5,3%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

SH80B4 - HSH80B4 0,75 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 79,6% at 50Hz 75%: 76,1% at 50Hz 50%: 68,8% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>SH80B4 - HSH80B4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,75 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1460 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Single-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l.</p> <p>(b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C</p> <p>(c) water coolant temperature at the inlet to the product, where applicable; Not applicable</p> <p>(d) maximum operating temperature; 155°C on windings (Class F)</p> <p>(e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = N.A.; P2 (50;100) = N.A.; P3 (25;100) = N.A.; P4 (90;50) = N.A.; P5 (50;50) = N.A.; P6 (50;25) = N.A.; P7 (25;25) = N.A.</p> <p>Note: if you need to supply a motor by a VSD and you have available only a single-phase supply, you must use the solution "single phase VSD + three-phase motor". It's inconvenient to supply a single phase motor by a VSD for both technical and economical reasons.</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP90S4 - TBP90S4 1,1 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 84,5% at 50Hz - 86,5% at 60 Hz 75%: 84,6% at 50Hz - 85,6% at 60 Hz 50%: 82,6% at 50Hz - 82,8% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP90S4 - TBP90S4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>1,1 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1430 - 1750 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 17,5%; P2 (50;100) = 14,8%; P3 (25;100) = 15,5%; P4 (90;50) = 9,0%; P5 (50;50) = 6,6%; P6 (50;25) = 5,8%; P7 (25;25) = 4,0%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

SH90S4 - HSH90S4 1,1 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 81,4% at 50Hz 75%: 78,6% at 50Hz 50%: 71,8% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>SH90S4 - HSH90S4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>1,1 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1460 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Single-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l.</p> <p>(b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C</p> <p>(c) water coolant temperature at the inlet to the product, where applicable; Not applicable</p> <p>(d) maximum operating temperature; 155°C on windings (Class F)</p> <p>(e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = N.A.; P2 (50;100) = N.A.; P3 (25;100) = N.A.; P4 (90;50) = N.A.; P5 (50;50) = N.A.; P6 (50;25) = N.A.; P7 (25;25) = N.A.</p> <p>Note: if you need to supply a motor by a VSD and you have available only a single-phase supply, you must use the solution "single phase VSD + three-phase motor". It's inconvenient to supply a single phase motor by a VSD for both technical and economical reasons.</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP90L4 - TBP90L4 1,5 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 85,6% at 50Hz - 86,6% at 60 Hz 75%: 85,6% at 50Hz - 85,7% at 60 Hz 50%: 83,0% at 50Hz - 82,7% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP90L4 - TBP90L4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>1,5 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1430 - 1750 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 16,7%; P2 (50;100) = 14,4%; P3 (25;100) = 16,4%; P4 (90;50) = 8,1%; P5 (50;50) = 6,0%; P6 (50;25) = 5,4%; P7 (25;25) = 3,6%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

SH90L4 - HSH90L4 1,5 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 82,8% at 50Hz 75%: 79,5% at 50Hz 50%: 72,6% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>SH90L4 - HSH90L4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>1,5 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1450 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Single-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l.</p> <p>(b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C</p> <p>(c) water coolant temperature at the inlet to the product, where applicable; Not applicable</p> <p>(d) maximum operating temperature; 155°C on windings (Class F)</p> <p>(e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = N.A.; P2 (50;100) = N.A.; P3 (25;100) = N.A.; P4 (90;50) = N.A.; P5 (50;50) = N.A.; P6 (50;25) = N.A.; P7 (25;25) = N.A.</p> <p>Note: if you need to supply a motor by a VSD and you have available only a single-phase supply, you must use the solution "single phase VSD + three-phase motor". It's inconvenient to supply a single phase motor by a VSD for both technical and economical reasons.</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP100LA4 - TBP100LA4 2,2 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 86,9% at 50Hz 75%: 86,9% at 50Hz 50%: 85,2% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP100LA4 - TBP100LA4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>2,2 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1440 - 1755 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 17,0%; P2 (50;100) = 13,9%; P3 (25;100) = 13,6%; P4 (90;50) = 8,6%; P5 (50;50) = 6,7%; P6 (50;25) = 4,6%; P7 (25;25) = 3,8%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

SH100LA4 - HSH100LA4 2,2 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 84,3% at 50Hz 75%: 82,8% at 50Hz 50%: 77,9% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>SH100LA4 - HSH100LA4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>2,2 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1440 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Single-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l.</p> <p>(b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C</p> <p>(c) water coolant temperature at the inlet to the product, where applicable; Not applicable</p> <p>(d) maximum operating temperature; 155°C on windings (Class F)</p> <p>(e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = N.A.; P2 (50;100) = N.A.; P3 (25;100) = N.A.; P4 (90;50) = N.A.; P5 (50;50) = N.A.; P6 (50;25) = N.A.; P7 (25;25) = N.A.</p> <p>Note: if you need to supply a motor by a VSD and you have available only a single-phase supply, you must use the solution "single phase VSD + three-phase motor". It's inconvenient to supply a single phase motor by a VSD for both technical and economical reasons.</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP112MR4 - TBP112MR4 2,2 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 88,9% at 50Hz - 89,5% at 60 Hz 75%: 88,4% at 50Hz - 88,6% at 60 Hz 50%: 86,2% at 50Hz - 85,9% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP112MR4 - TBP112MR4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>2,2 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1460 - 1770 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 17,3%; P2 (50;100) = 14,4%; P3 (25;100) = 12,8%; P4 (90;50) = 11,6%; P5 (50;50) = 6,4%; P6 (50;25) = 5,0%; P7 (25;25) = 3,3%</p>

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TP112MS4 - TBP112MS4 3 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 87,8% at 50Hz - 89,5% at 60 Hz 75%: 88,0% at 50Hz - 88,8% at 60 Hz 50%: 86,7% at 50Hz - 86,8% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP112MS4 - TBP112MS4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>3 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1450 - 1760 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 14,9%; P2 (50;100) = 11,7%; P3 (25;100) = 11,0%; P4 (90;50) = 7,7%; P5 (50;50) = 5,4%; P6 (50;25) = 4,0%; P7 (25;25) = 3,1%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP112M4 - TBP112M4 4 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 88,7% at 50Hz - 89,5% at 60 Hz 75%: 88,7% at 50Hz - 89,0% at 60 Hz 50%: 87,2% at 50Hz - 87,0% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP112M4 - TBP112M4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>4 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1450 - 1760 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 14,2%; P2 (50;100) = 11,5%; P3 (25;100) = 10,3%; P4 (90;50) = 7,6%; P5 (50;50) = 5,5%; P6 (50;25) = 4,2%; P7 (25;25) = 3,3%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP132MS4 - TBP132MS4 5,5 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 89,6% at 50Hz - 91,7% at 60 Hz 75%: 89,6% at 50Hz - 90,2% at 60 Hz 50%: 87,9% at 50Hz - 88,3% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP132MS4 - TBP132MS4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>5,5 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1470 - 1770 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 10,5%; P2 (50;100) = 8,5%; P3 (25;100) = 7,0%; P4 (90;50) = 6,8%; P5 (50;50) = 4,3%; P6 (50;25) = 3,2%; P7 (25;25) = 2,5%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP132M4 - TBP132M4 7,5 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 90,4% at 50Hz - 91,7% at 60 Hz 75%: 90,6% at 50Hz - 91,0% at 60 Hz 50%: 89,5% at 50Hz - 89,4% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP132M4 - TBP132M4</p>
5	<p>Number of poles of the motor;</p> <p>4</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>7,5 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>1460 - 1760 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 10,6%; P2 (50;100) = 8,5%; P3 (25;100) = 7,2%; P4 (90;50) = 5,5%; P5 (50;50) = 3,7%; P6 (50;25) = 2,7%; P7 (25;25) = 2,0%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TH63B6 - TBH63B6 0,12 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 50,6% at 50Hz - 50,5% at 60 Hz 75%: 45,2% at 50Hz - 45,5% at 60 Hz 50%: 37,9% at 50Hz - 38,0% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH63B6 - TBH63B6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,12 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>870 - 1100 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 112,8%; P2 (50;100) = 100,8%; P3 (25;100) = 101,6%; P4 (90;50) = 90,0%; P5 (50;50) = 69,8%; P6 (50;25) = 68,3%; P7 (25;25) = 46,2%</p>

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TH71A6 - TBH71A6 0,18 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 56,8% at 50Hz - 60,8% at 60 Hz 75%: 55,8% at 50Hz - 58,9% at 60 Hz 50%: 49,2% at 50Hz - 51,6% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH71A6 - TBH71A6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,18 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>900 - 1130 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 61,7%; P2 (50;100) = 58,6%; P3 (25;100) = 78,5%; P4 (90;50) = 38,9%; P5 (50;50) = 30,9%; P6 (50;25) = 27,6%; P7 (25;25) = 20,0%</p>

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TH71B6 - TBH71B6 0,25 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 64,1% at 50Hz - 68,4% at 60 Hz 75%: 64,6% at 50Hz - 67,7% at 60 Hz 50%: 59,7% at 50Hz - 61,5% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH71B6 - TBH71B6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,25 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>910 - 1130 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 55,5%; P2 (50;100) = 53,2%; P3 (25;100) = 66,9%; P4 (90;50) = 35,4%; P5 (50;50) = 27,7%; P6 (50;25) = 24,9%; P7 (25;25) = 18,5%</p>

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TH71C6 - TBH71C6 0,37 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 67,8% at 50Hz - 72,9% at 60 Hz 75%: 70,1% at 50Hz - 73,2% at 60 Hz 50%: 66,9% at 50Hz - 68,9% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH71C6 - TBH71C6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,37 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>900 - 1120 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 50,7%; P2 (50;100) = 50,4%; P3 (25;100) = 62,3%; P4 (90;50) = 27,0%; P5 (50;50) = 22,6%; P6 (50;25) = 18,6%; P7 (25;25) = 14,3%</p>

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TH80A6 - TBH80A6 0,37 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 67,6% at 50Hz - 68,3% at 60 Hz 75%: 64,9% at 50Hz - 66,6% at 60 Hz 50%: 58,6% at 50Hz - 59,6% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH80A6 - TBH80A6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,37 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>940 - 1130 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 43,1%; P2 (50;100) = 37,1%; P3 (25;100) = 39,6%; P4 (90;50) = 30,0%; P5 (50;50) = 24,0%; P6 (50;25) = 20,4%; P7 (25;25) = 17,1%</p>

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TH80B6 - TBH80B6 0,55 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 73,1% at 50Hz - 74,2% at 60 Hz 75%: 71,7% at 50Hz - 73,1% at 60 Hz 50%: 65,6% at 50Hz - 65,1% at 60 Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE2</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TH80B6 - TBH80B6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,55 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>940 - 1150 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 33,2%; P2 (50;100) = 29,8%; P3 (25;100) = 33,2%; P4 (90;50) = 21,2%; P5 (50;50) = 17,8%; P6 (50;25) = 15,6%; P7 (25;25) = 13,5%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP90S6 - TBP90S6 0,75 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 78,9% at 50Hz 75%: 79,0% at 50Hz 50%: 74,9% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP90S6 - TBP90S6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>0,75 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>940 - 1150 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 26,6%; P2 (50;100) = 23,7%; P3 (25;100) = 25,0%; P4 (90;50) = 14,9%; P5 (50;50) = 11,4%; P6 (50;25) = 9,7%; P7 (25;25) = 7,3%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP100LR6 - TBP100LR6 1,1 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 82,0% at 50Hz 75%: 82,2% at 50Hz 50%: 80,8% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP100LR6 - TBP100LR6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>1,1 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>950 - 1160 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 20,4%; P2 (50;100) = 18,3%; P3 (25;100) = 18,8%; P4 (90;50) = 10,1%; P5 (50;50) = 8,3%; P6 (50;25) = 6,5%; P7 (25;25) = 5,5%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP100L6 - TBP100L6 1,5 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 82,5% at 50Hz 75%: 83,1% at 50Hz 50%: 81,4% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP100L6 - TBP100L6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>1,5 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>940 - 1160 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 22,5%; P2 (50;100) = 19,7%; P3 (25;100) = 21,6%; P4 (90;50) = 10,8%; P5 (50;50) = 8,7%; P6 (50;25) = 6,4%; P7 (25;25) = 5,7%</p>

Technical Datasheet according to EU Ecodesign Regulation nr.1781/2019

TP112M6 - TBP112M6 2,2 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 84,3% at 50Hz 75%: 84,5% at 50Hz 50%: 81,8% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP112M6 - TBP112M6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>2,2 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>960 - 1170 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 20,8%; P2 (50;100) = 17,1%; P3 (25;100) = 16,0%; P4 (90;50) = 11,0%; P5 (50;50) = 8,3%; P6 (50;25) = 6,4%; P7 (25;25) = 5,0%</p>

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TP132S6 - TBP132S6 3 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 86,2% at 50Hz 75%: 87,2% at 50Hz 50%: 86,5% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP132S6 - TBP132S6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>3 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>970 - 1170 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 17,5%; P2 (50;100) = 14,6%; P3 (25;100) = 14,5%; P4 (90;50) = 7,1%; P5 (50;50) = 6,0%; P6 (50;25) = 3,8%; P7 (25;25) = 3,1%</p>

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TP132MA6 - TBP132MA6 4 KW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 87,2% at 50Hz 75%: 88,0% at 50Hz 50%: 87,7% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP132MA6 - TBP132MA6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>4 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>970 - 1175 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 14,8%; P2 (50;100) = 12,4%; P3 (25;100) = 10,3%; P4 (90;50) = 7,1%; P5 (50;50) = 5,5%; P6 (50;25) = 3,9%; P7 (25;25) = 3,1%</p>

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TP132MB6 - TBP132MB6 5,5 kW	
Nr.	Information
1	<p>Rated efficiency (η_N) at the full, 75 % and 50 % rated load and voltage (UN), determined based on 25 °C ambient reference temperature, rounded to one decimal place</p> <p>100%: 88,3% at 50Hz 75%: 88,6% at 50Hz 50%: 87,7% at 50Hz</p>
2	<p>Efficiency level: 'IE2' 'IE3' or 'IE4'</p> <p>IE3</p>
3	<p>Manufacturer's name or trade mark, commercial registration number and address</p> <p>MOTOVARIO S.p.A. EORI code n° IT02569681204 Via Quattro Passi 1/3 - 41030 Formigine (Modena) - ITALY</p>
4	<p>Product's model identifier;</p> <p>TP132MB6 - TBP132MB6</p>
5	<p>Number of poles of the motor;</p> <p>6</p>
6	<p>The rated power output(s) PN or range of rated power output (kW);</p> <p>5,5 kW</p>
7	<p>The rated input frequency(s) of the motor (Hz)</p> <p>50 Hz - 60 Hz</p>
8	<p>The rated voltage(s) or range of rated voltage (V)</p> <p>230/400V - 265/460V</p>
9	<p>The rated speed(s) or range of rated speed (rpm)</p> <p>970 - 1175 rpm</p>
10	<p>Whether single-phase or three-phase</p> <p>Three-phase</p>
11	<p>Information on the range of operating conditions for which the motor is designed:</p> <p>(a) altitudes above sea-level; 0 - 1000 m a.s.l. (b) minimum and maximum ambient air temperatures including for motors with air cooling; -15°C / +40°C (c) water coolant temperature at the inlet to the product, where applicable; Not applicable (d) maximum operating temperature; 155°C on windings (Class F) (e) potentially explosive atmospheres; Installation not possible in potentially explosive atmospheres</p>
12	<p>If the motor is considered exempt from efficiency requirement in accordance with Article 2(2) of this Regulation, the specific reason why it is considered exempt.</p> <p>The motor is in the scope of Regulation</p>
13	<p>The power losses expressed in percentage (%) of the rated output power at the following different operating points for speed versus torque: (25;25) (25;100) (50;25) (50;50) (50;100) (90;50) (90;100) determined based on 25 °C ambient reference temperature, rounded to one decimal place; if the motor is not suited for operation at any of the operating points for speed versus torque above, then 'N.A.' or 'Not Applicable' should be indicated for such points.</p> <p>Point numbering is according to IEC 60034-2-3 standard</p> <p>P1 (90;100) = 12,7%; P2 (50;100) = 11,7%; P3 (25;100) = 6,4%; P4 (90;50) = 6,7%; P5 (50;50) = 5,5%; P6 (50;25) = 3,9%; P7 (25;25) = 3,8%</p>