GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

INDEX

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

1. VARIABLE SPEED DRIVES

PRODUCT INFORMATION REQUIREMENTS FOR VARIABLE SPEED DRIVES, ACCORDING TO REGULATIONS 1781/2019

- Power losses in % of the rated apparent output power at the following different operating points for relative motor stator frequency versus relative torque-producing current (0;25) (0;50) (0;100) (50;25) (50;50) (50;100) (90;50) (90;100), as well as standby losses, generated when the VSD is powered up but is not providing current to the load, rounded to one decimal place;
- Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019;
- Manufacturer’s name or trade mark, commercial registration number and address;
- Product’s model identifier;
- Apparent output power or range of apparent output power (kVA);
- Indicative motor rated power output(s) PN or range of rated power output (kW);
- Rated output current (A);
- Maximum operating temperature (°C);
- Rated supply frequency(s) (Hz);
- Rated supply voltage(s) or range of rated supply voltage (V);
- If the VSD is considered exempt from the efficiency requirements in accordance with Article 2(3) of the Regulation 1781/2019 the specific reason why it is considered exempt.

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

1.1. MCE/C

Product Model Identifier	60144660	60144662	60144664	60144665
Product Name	MCE-30/C	MCE-55/C	MCE-110/C	MCE-150/C
Power losses (%) on operating point (12;25)[1]	1,2%	1,2%	0,8%	0,7%
Displacement factor cosΦ on operating point (12;25)[1]	0,75	0,91	0,45	0,44
Power losses (%) on operating point (12;50)[1]	N.A.	N.A.	1,1%	1,0%
Displacement factor cosΦ on operating point (12;50)[1]	N.A.	N.A.	0,45	0,43
Power losses (%) on operating point (12;100)[1]	N.A.	N.A.	N.A.	N.A.
Displacement factor cosΦ on operating point (12;100)[1]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[1]	2,1%	1,6%	1,3%	1,2%
Displacement factor cosΦ on operating point (50;25)[1]	0,74	0,72	0,71	0,73
Power losses (%) on operating point (50;50)[1]	2,3%	1,7%	1,5%	1,5%
Displacement factor cosΦ on operating point (50;50)[1]	0,83	0,84	0,78	0,79
Power losses (%) on operating point (50;100)[1]	2,9%	2,6%	2,1%	2,2%
Displacement factor cosΦ on operating point (50;100)[1]	0,91	0,90	0,82	0,82
Power losses (%) on operating point (90;50)[1]	N.A.	2,0%	1,4%	1,8%
Displacement factor cosΦ on operating point (90;50)[1]	N.A.	0,46	0,67	0,48
Power losses (%) on operating point (90;100)[1]	3,7%	3,7%	3,3%	3,6%
Displacement factor cosΦ on operating point (90;100)[1]	0,76	0,73	0,80	0,83
Standby power losses (W)[1]	12,2	12,2	24,1	24,1
Efficiency level[2]	IE2	IE2	IE2	IE2
Apparent output power (kVA)[3]	4,9	8,9	15,8	21,0

[1] Power losses in % of the rated apparent output power at the following different operating points for relative motor stator frequency versus relative torque-producing current (0;25) (0;50) (0;100) (50;25) (50;50) (50;100) (90;50) (90;100), as well as standby losses, generated when the VSD is powered up but is not providing current to the load, rounded to one decimal place

[2] Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

[3] Apparent output power or range of apparent output power

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Product Model Identifier	60144660	60144662	60144664	60144665
Product Name	MCE-30/C	MCE-55/C	MCE-110/C	MCE-150/C
Indicative motor rated power output(s) (kW)[4]	3	5,5	11	15
Rated output current (A)[5]	7,5	13,5	24	32
Max operating temperature (°C)[6]	40	40	40	40
Rated supply frequency(s) (Hz)[7]	50-60	50-60	50-60	50-60
Rated supply Voltage(s) (V)[8]	380-480	380-480	380-480	380-480

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated output current

6 Maximum operating temperature

7 Rated supply frequency(s)

8 Rated supply voltage(s) or range of rated supply voltage

1.2. ACTIVE DRIVER T/T AC

Product Model Identifier	60145525	60145526	60145527	88002773	88002774	88002775
Product Name	ACTIVE DRIVER T/T 3 AC	ACTIVE DRIVER T/T 4 AC	ACTIVE DRIVER T/T 5.5 AC	ACTIVE DRIVER T/T 7.5 AC	ACTIVE DRIVER T/T 11 AC	ACTIVE DRIVER T/T 15 AC
Power losses (%) on operating point (12;25)[1]	1,1%	2,0%.	1,0%	0,9%	0,7%	0,7%
Displacement factor cosΦ on operating point (12;25)[1]	0,74	0,73	0,92	0,44	0,43	0,44
Power losses (%) on operating point (12;50)[1]	N.A.	N.A.	N.A.	1,0%	0,9%	0,8%
Displacement factor cosΦ on operating point (12;50)[1]	N.A.	N.A.	N.A.	0,44	0,43	0,43
Power losses (%) on operating point (12;100)[1]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Displacement factor cosΦ on operating point (12;100)[1]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[1]	1,6%	1,8%	1,3%	1,3%	1,2%	1,1%
Displacement factor cosΦ on operating point (50;25)[1]	0,69	0,60	0,76	0,67	0,72	0,79
Power losses (%) on operating point (50;50) [1]	1,6%	2,1%	1,4%	1,5%	1,4%	1,4%
Displacement factor cosΦ on operating point (50;50)[1]	0,84	0,79	0,85	0,76	0,79	0,81
Power losses (%) on operating point (50;100)[1]	2,7%	3,2%	3,1%	2,4%	2,5%	2,4%
Displacement factor cosΦ on operating point (50;100)[1]	0,92	0,91	0,90	0,82	0,82	0,81
Power losses (%) on operating point (90;50)[1]	2,1%	2,1%	2,1%	1,6%	1,5%	1,2%
Displacement factor cosΦ on operating point (90;50) [1]	0,43	0,64	0,58	0,69	0,43	0,73
Power losses (%) on operating point (90;100)[1]	4,4%	3,3%	3,0%	3,8%	3,7%	3,3%
Displacement factor cosΦ on operating point (90;100)[1]	0,84	0,79	0,78	0,76	0,82	0,87

[1] Power losses in % of the rated apparent output power at the following different operating points for relative motor stator frequency versus relative torque-producing current (0;25) (0;50) (0;100) (50;25) (50;50) (50;100) (90;50) (90;100), as well as standby losses, generated when the VSD is powered up but is not providing current to the load, rounded to one decimal place

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Product Model Identifier	60145525	60145526	60145527	88002773	88002774	88002775
Product Name	ACTIVE DRIVER T/T 3 AC	ACTIVE DRIVER T/T 4 AC	ACTIVE DRIVER T/T 5.5 AC	ACTIVE DRIVER T/T 7.5 AC	ACTIVE DRIVER T/T 11 AC	ACTIVE DRIVER T/T 15 AC
Standby power losses (W) [1]	12,2	12,2	12,2	24,1	24,1	24,1
Efficiency level[2]	IE2	IE2	IE2	IE2	IE2	IE2
Apparent output power (kVA)[3]	5,9	7,2	9,5	14,5	20,4	27,0
Indicative motor rated power output(s) (kW)[4]	3	4	5,5	7,5	11	15
Rated output current (A)[5]	9	11	14,5	22	31	41
Max operating temperature (°C)[6]	50	50	50	50	50	50
Rated supply frequency(s) (Hz)[7]	50-60	50-60	50-60	50-60	50-60	50-60
Rated supply Voltage(s) (V)[8]	380-480	380-480	380-480	380-480	380-480	380-480

[1] Power losses in % of the rated apparent output power at the following different operating points for relative motor stator frequency versus relative torque-producing current (0;25) (0;50) (0;100) (50;25) (50;50) (50;100) (90;50) (90;100), as well as standby losses, generated when the VSD is powered up but is not providing current to the load, rounded to one decimal place

[2] Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

[3] Apparent output power or range of apparent output power

[4] Indicative motor rated power output(s) P_N or range of rated power output

[5] Rated output current

[6] Maximum operating temperature

[7] Rated supply frequency(s)

[8] Rated supply voltage(s) or range of rated supply voltage

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1.3. MCE/P

Product Model Identifier	60145922	60145923	60145924	60145925
Product Name	MCE-30/P	MCE-55/P	MCE-110/P	MCE-150/P
Power losses (%) on operating point (12;25)[1]	1,2%	1,2%	0,8%	0,7%
Displacement factor cosΦ on operating point (12;25)[1]	0,75	0,91	0,45	0,44
Power losses (%) on operating point (12;50)[1]	N.A.	N.A.	1,1%	1,0%
Displacement factor cosΦ on operating point (12;50)[1]	N.A.	N.A.	0,45	0,43
Power losses (%) on operating point (12;100)[1]	N.A.	N.A.	N.A.	N.A.
Displacement factor cosΦ on operating point (12;100)[1]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[1]	2,1%	1,6%	1,3%	1,2%
Displacement factor cosΦ on operating point (50;25)[1]	0,74	0,72	0,71	0,73
Power losses (%) on operating point (50;50)[1]	2,3%	1,7%	1,5%	1,5%
Displacement factor cosΦ on operating point (50;50)[1]	0,83	0,84	0,78	0,79
Power losses (%) on operating point (50;100)[1]	2,9%	2,6%	2,1%	2,3%
Displacement factor cosΦ on operating point (50;100)[1]	0,91	0,90	0,82	0,82
Power losses (%) on operating point (90;50)[1]	N.A.	2,0%	1,4%	1,8%
Displacement factor cosΦ on operating point (90;50)[1]	N.A.	0,46	0,67	0,48
Power losses (%) on operating point (90;100)[1]	3,7%	3,7%	3,4%	3,6%
Displacement factor cosΦ on operating point (90;100)[1]	0,76	0,73	0,80	0,83
Standby power losses (W)[1]	12,2	12,2	24,1	24,1
Efficiency level[2]	IE2	IE2	IE2	IE2
Apparent output power (kVA)[3]	4,9	8,9	15,8	21,0

[1] Power losses in % of the rated apparent output power at the following different operating points for relative motor stator frequency versus relative torque-producing current (0;25) (0;50) (0;100) (50;25) (50;50) (50;100) (90;50) (90;100), as well as standby losses, generated when the VSD is powered up but is not providing current to the load, rounded to one decimal place

[2] Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

[3] Apparent output power or range of apparent output power

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Indicative motor rated power output(s) (kW)[4]	3	5,5	11	15
Rated output current (A)[5]	7,5	13,5	24	32
Max operating temperature (°C)[6]	40	40	40	40
Rated supply frequency(s) (Hz)[7]	50-60	50-60	50-60	50-60
Rated supply Voltage(s) (V)[8]	380-480	380-480	380-480	380-480

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated output current

6 Maximum operating temperature

7 Rated supply frequency(s)

8 Rated supply voltage(s) or range of rated supply voltage

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1.4. SVI/C

Product Model Identifier	60163820	60163821	60163822	60163823
Product Name	SVI 3.0 /C	SVI 5.5 /C	SVI 11.0 /C	SVI 15.0 /C
Power losses (%) on operating point (12;25)[1]	1,2%	1,2%	0,8%	0,7%
Displacement factor cosΦ on operating point (12;25)[1]	0,75	0,91	0,45	0,44
Power losses (%) on operating point (12;50)[1]	N.A.	N.A.	1,1%	1,0%
Displacement factor cosΦ on operating point (12;50)[1]	N.A.	N.A.	0,45	0,43
Power losses (%) on operating point (12;100)[1]	N.A.	N.A.	N.A.	N.A.
Displacement factor cosΦ on operating point (12;100)[1]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[1]	2,1%	1,6%	1,3%	1,2%
Displacement factor cosΦ on operating point (50;25)[1]	0,74	0,72	0,71	0,73
Power losses (%) on operating point (50;50)[1]	2,3%	1,7%	1,5%	1,5%
Displacement factor cosΦ on operating point (50;50)[1]	0,83	0,84	0,78	0,79
Power losses (%) on operating point (50;100)[1]	2,9%	2,6%	2,1%	2,2%
Displacement factor cosΦ on operating point (50;100)[1]	0,91	0,90	0,82	0,82
Power losses (%) on operating point (90;50)[1]	N.A.	2,0%	1,4%	1,8%
Displacement factor cosΦ on operating point (90;50)[1]	N.A.	0,46	0,67	0,48
Power losses (%) on operating point (90;100)[1]	3,7%	3,7%	3,4%	3,6%
Displacement factor cosΦ on operating point (90;100)[1]	0,76	0,73	0,80	0,83
Standby power losses (W)[1]	12,2	12,2	24,1	24,1
Efficiency level[2]	IE2	IE2	IE2	IE2
Apparent output power (kVA)[3]	4,9	8,9	15,8	21,0

[1] Power losses in % of the rated apparent output power at the following different operating points for relative motor stator frequency versus relative torque-producing current (0;25) (0;50) (0;100) (50;25) (50;50) (50;100) (90;50) (90;100), as well as standby losses, generated when the VSD is powered up but is not providing current to the load, rounded to one decimal place

[2] Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

[3] Apparent output power or range of apparent output power

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Indicative motor rated power output(s) (kW)[4]	3	5,5	11	15
Rated output current (A)[5]	7,5	13,5	24	32
Max operating temperature (°C)[6]	40	40	40	40
Rated supply frequency(s) (Hz)[7]	50-60	50-60	50-60	50-60
Rated supply Voltage(s) (V)[8]	380-480	380-480	380-480	380-480

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated output current

6 Maximum operating temperature

7 Rated supply frequency(s)

8 Rated supply voltage(s) or range of rated supply voltage

1.5. ACTIVE DRIVER PLUS T/T

Product Model Identifier	60169808	60170715
Product Name	ACTIVE DRIVER PLUS T/T 3	ACTIVE DRIVER PLUS T/T 5.5
Power losses (%) on operating point (12;25)[1]	1,2%.	1,2%
Displacement factor cosΦ on operating point (12;25)[1]	0,75	0,92
Power losses (%) on operating point (12;50)[1]	N.A.	N.A.
Displacement factor cosΦ on operating point (12;50)[1]	N.A.	N.A.
Power losses (%) on operating point (12;100)[1]	N.A.	N.A.
Displacement factor cosΦ on operating point (12;100)[1]	N.A.	N.A.
Power losses (%) on operating point (50;25)[1]	2,1%	1,6%
Displacement factor cosΦ on operating point (50;25)[1]	0,74	0,72
Power losses (%) on operating point (50;50)[1]	2,3%	1,7%
Displacement factor cosΦ on operating point (50;50)[1]	0,83	0,84
Power losses (%) on operating point (50;100)[1]	2,9%	2,6%
Displacement factor cosΦ on operating point (50;100)[1]	0,91	0,90
Power losses (%) on operating point (90;50)[1]	N.A.	2,1%
Displacement factor cosΦ on operating point (90;50)[1]	N.A.	0,46
Power losses (%) on operating point (90;100)[1]	3,7%	3,8%
Displacement factor cosΦ on operating point (90;100)[1]	0,76	0,73
Standby power losses (W)[1]	9,2	9,2
Efficiency level[2]	IE2	IE2
Apparent output power (kVA)[3]	4,9	8,7

[1] Power losses in % of the rated apparent output power at the following different operating points for relative motor stator frequency versus relative torque-producing current (0;25) (0;50) (0;100) (50;25) (50;50) (50;100) (90;50) (90;100), as well as standby losses, generated when the VSD is powered up but is not providing current to the load, rounded to one decimal place

[2] Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

[3] Apparent output power or range of apparent output power

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Indicative motor rated power output(s) (kW)[4]	3	5,5
Rated output current (A)[5]	7,5	13,3
Max operating temperature (°C)[6]	50	50
Rated supply frequency(s) (Hz)[7]	50-60	50-60
Rated supply Voltage(s) (V)[8]	380-400	380-400

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated output current

6 Maximum operating temperature

7 Rated supply frequency(s)

8 Rated supply voltage(s) or range of rated supply voltage

2. MOTORS

PRODUCT INFORMATION REQUIREMENTS FOR MOTORS, ACCORDING TO REGULATIONS 1781/2019

- Rated efficiency (η_N) at the full, 75% and 50% rated load, and rated voltage(s) (U_N), determined based on 25°C ambient reference temperature, rounded to one decimal place;
- Efficiency level: “IE2” “IE3” or “IE4”, as determined in the first section of the Annex I in the Regulation 1781/2019;
- Manufacturer’s name or trade mark, commercial registration number and address;
- Product’s model identifier;
- Number of poles of the motor;
- Rated power output(s) P_N or range of rated power output (kw);
- Rated input frequency(s) of the motor (Hz);
- Rated voltage(s) or range of rated voltage (V);
- Rated speed(s) or range of rated speed (rpm);
- Whether single-phase or three-phase;
- Information on the range of operating conditions for which the motor is designed:
    - altitudes above sea-level;
    - minimum and maximum ambient air temperatures including for motors with air cooling;
    - water coolant temperature at the inlet to the product, where applicable;
    - maximum operating temperature;
    - potentially explosive atmospheres;
- 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.
- 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.

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2.1. EURO, EUROCOM, EUROINOX

Product Name		EURO 25/30 M 230/50	EURO 30/30 M 230/50	EURO 30/50 M 230/50	EURO 30/80 M 230/50
MEC		63	63	63	71
Stack height	H (mm)	100	100	100	100
Nominal power	P_2 (kW)	0,55	0,55	0,55	0,85
$\eta_{100\%}$ (%)[1]		74,1	74,1	74,1	78,1
$\eta_{75\%}$ (%)[1]		72	72	72	74,8
$\eta_{50\%}$ (%)[1]		66,1	66,1	66,1	67,5
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55	0,55	0,85
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2780	2780	2780	2830
Phase[8]		1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

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Product Name	EURO 25/30 M 230/50	EURO 30/30 M 230/50	EURO 30/50 M 230/50	EURO 30/80 M 230/50
m.a.s.l. (m)[9]	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100)[14]	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

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Product Name		EURO 40/30 M 230/50	EURO 40/50 M 230/50	EURO 40/80 M 230/50	EURO 50/50 M 230/50
MEC		63	71	71	71
Stack height	H (mm)	100	100	100	100
Nominal power	P_2 (kW)	0,55	0,85	0,85	0,85
$\eta_{100\%}$ (%)[1]		74,1	78,1	78,1	78,1
$\eta_{75\%}$ (%)[1]		72	74,8	74,8	74,8
$\eta_{50\%}$ (%)[1]		66,1	67,5	67,5	67,5
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,85	0,85	0,85
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2780	2830	2830	2830
Phase[8]		1	1	1	1
m.a.s.l. (m)[9]		2000	2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	EURO 40/30 M 230/50	EURO 40/50 M 230/50	EURO 40/80 M 230/50	EURO 50/50 M 230/50
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100)[14]	N.A.	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		EUROCOM 25/30 M	EUROCOM 30/50 M	EUROCOM SP 30/50 M
MEC		63	63	63
Stack height	H (mm)	100	100	100
Nominal power	P_2 (kW)	0,55	0,55	0,55
$\eta_{100\%}$ (%)[1]		74,1	74,1	74,1
$\eta_{75\%}$ (%)[1]		72	72	72
$\eta_{50\%}$ (%)[1]		66,1	66,1	66,1
Efficiency level[2]		IE2	IE2	IE2
Poles[3]		2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55	0,55
Rated input frequency(s) (Hz)[5]		50	50	50
Rated voltage(s) (V)[6]		230	230	230
Rated speed(s) (rpm)[7]		2780	2780	2780
Phase[8]		1	1	1
m.a.s.l. (m)[9]		2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	EUROCOM 25/30 M	EUROCOM 30/50 M	EUROCOM SP 30/50 M
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40
Atex[13]	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100)[14]	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		EUROINOX 25/30 M	EUROINOX 25/80 M	EUROINOX 30/30 M	EUROINOX 30/50 M	EUROINOX 40/30 M
MEC		63	63	63	63	63
Stack height	H (mm)	100	100	100	100	100
Nominal power	P_2 (kW)	0,55	0,55	0,55	0,55	0,55
$\eta_{100\%}$ (%)[1]		74,1	74,1	74,1	74,1	74,1
$\eta_{75\%}$ (%)[1]		72	72	72	72	72
$\eta_{50\%}$ (%)[1]		66,1	66,1	66,1	66,1	66,1
Efficiency level[2]		IE2	IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55	0,55	0,55	0,55
Rated input frequency(s) (Hz)[5]		50	50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230	230
Rated speed(s) (rpm)[7]		2780	2780	2780	2780	2780
Phase[8]		1	1	1	1	1
m.a.s.l. (m)[9]		2000	2000	2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	EUROINOX 25/30 M	EUROINOX 25/80 M	EUROINOX 30/30 M	EUROINOX 30/50 M	EUROINOX 40/30 M
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40	40
Atex[13]	No	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

2.2. JET, JETCOM, JETINOX

Product Name		JET 62 M 230/50	JET 62 M-P 230/50	JET 82 M 230/50	JET 92 M 230/50
MEC		63	63	63	63
Stack height	H (mm)	100	100	100	100
Nominal power	P_2 (kW)	0,55	0,55	0,55	0,55
$\eta_{100\%}$ (%)[1]		74,1	74,1	74,1	74,1
$\eta_{75\%}$ (%)[1]		72	72	72	72
$\eta_{50\%}$ (%)[1]		66,1	66,1	66,1	66,1
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55	0,55	0,55
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2780	2780	2780	2780
Phase[8]		1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	JET 62 M 230/50	JET 62 M-P 230/50	JET 82 M 230/50	JET 92 M 230/50
m.a.s.l. (m)[9]	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		JET 102 M 230/50	JET 112 M 230/50	JET 132 M 230/50	JET 151 M 230/50
MEC		71	71	71	80
Stack height	H (mm)	90	100	100	100
Nominal power	P_2 (kW)	0,75	0,85	0,85	1,10
$\eta_{100\%}$ (%)[1]		77,4	78,1	78,1	79,6
$\eta_{75\%}$ (%)[1]		75,9	74,8	74,8	80,7
$\eta_{50\%}$ (%)[1]		68,7	67,5	67,5	79,3
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,75	0,85	0,85	1,10
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2800	2830	2830	2860
Phase[8]		1	1	1	1
m.a.s.l. (m)[9]		2000	2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	JET 102 M 230/50	JET 112 M 230/50	JET 132 M 230/50	JET 151 M 230/50
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		JET 200 M 230/50	JET 251 M 230/50	JET 300 M 230/50
MEC		80	80	80
Stack height	H (mm)	120	140	140
Nominal power	P_2 (kW)	1,40	1,80	1,80
$\eta_{100\%}$ (%)[1]		80,9	82,2	82,2
$\eta_{75\%}$ (%)[1]		80,6	82,4	82,4
$\eta_{50\%}$ (%)[1]		79,8	82,2	82,2
Efficiency level[2]		IE2	IE2	IE2
Poles[3]		2	2	2
Indicative motor rated power output(s) (kW)[4]		1,40	1,80	1,80
Rated input frequency(s) (Hz)[5]		50	50	50
Rated voltage(s) (V)[6]		230	230	230
Rated speed(s) (rpm)[7]		2875	2860	2860
Phase[8]		1	1	1
m.a.s.l. (m)[9]		2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	JET 200 M 230/50	JET 251 M 230/50	JET 300 M 230/50
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40
Atex[13]	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		JETCOM 62 M 230/50	JETCOM 82 M 230/50	JETCOM 92 M 230/50
MEC		63	63	63
Stack height	H (mm)	100	100	100
Nominal power	P_2 (kW)	0,55	0,55	0,55
$\eta_{100\%}$ (%)[1]		74,1	74,1	74,1
$\eta_{75\%}$ (%)[1]		72	72	72
$\eta_{50\%}$ (%)[1]		66,1	66,1	66,1
Efficiency level[2]		IE2	IE2	IE2
Poles[3]		2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55	0,55
Rated input frequency(s) (Hz)[5]		50	50	50
Rated voltage(s) (V)[6]		230	230	230
Rated speed(s) (rpm)[7]		2780	2780	2780
Phase[8]		1	1	1
m.a.s.l. (m)[9]		2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	JETCOM 62 M 230/50	JETCOM 82 M 230/50	JETCOM 92 M 230/50
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40
Atex[13]	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		JETINOX 82 M 230/50	JETINOX 92 M 230/50	AB JETINOX 82 M 230
MEC		63	63	63
Stack height	H (mm)	100	100	100
Nominal power	P_2 (kW)	0,55	0,55	0,55
$\eta_{100\%}$ (%)[1]		74,1	74,1	74,1
$\eta_{75\%}$ (%)[1]		72	72	72
$\eta_{50\%}$ (%)[1]		66,1	66,1	66,1
Efficiency level[2]		IE2	IE2	IE2
Poles[3]		2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55	0,55
Rated input frequency(s) (Hz)[5]		50	50	50
Rated voltage(s) (V)[6]		230	230	230
Rated speed(s) (rpm)[7]		2780	2780	2780
Phase[8]		1	1	1
m.a.s.l. (m)[9]		2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	JETINOX 82 M 230/50	JETINOX 92 M 230/50	AB JETINOX 82 M 230
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40
Atex[13]	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100)[14]	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

2.3. ECOJET

Product Name		ECOJET 110	ECOJET 120	ECOJET R100 V230/50
MEC		71	71	63
Stack height	H (mm)	75	75	80
Nominal power	P_2 (kW)	0,60	0,60	0,45
$\eta_{100\%}$ (%)[1]		74,9	74,9	71,7
$\eta_{75\%}$ (%)[1]		72,1	72,1	69,2
$\eta_{50\%}$ (%)[1]		63,9	63,9	61,9
Efficiency level[2]		IE2	IE2	IE2
Poles[3]		2	2	2
Indicative motor rated power output(s) (kW)[4]		0,60	0,60	0,45
Rated input frequency(s) (Hz)[5]		50	50	50
Rated voltage(s) (V)[6]		230	230	230
Rated speed(s) (rpm)[7]		2790	2790	2750
Phase[8]		1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	ECOJET 110	ECOJET 120	ECOJET R100 V230/50
m.a.s.l. (m)[9]	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40
Atex[13]	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

2.4. GARDENJET, GARDEN-COM, GARDEN-INOX

Product Name		GARDENJET 82 M	GARDEN-COM 62 M 230/50	GARDEN-COM 82 M 230	GARDEN-INOX 82 M
MEC		63	63	63	63
Stack height	H (mm)	100	100	100	100
Nominal power	P_2 (kW)	0,55	0,55	0,55	0,55
$\eta_{100\%}$ (%)[1]		74,1	74,1	74,1	74,1
$\eta_{75\%}$ (%)[1]		72	72	72	72
$\eta_{50\%}$ (%)[1]		66,1	66,1	66,1	66,1
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55	0,55	0,55
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2780	2780	2780	2780
Phase[8]		1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	GARDENJET 82 M	GARDEN-COM 62 M 230/50	GARDEN-COM 82 M 230	GARDEN-INOX 82 M
m.a.s.l. (m)[9]	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

2.5. MULTI INOX

Product Name		MULTI INOX 3	MULTINOX 4	INOXPLUS 230	ECOPLUS 240
MEC		71	71	71	71
Stack height	H (mm)	85	85	85	85
Nominal power	P_2 (kW)	0,63	0,63	0,63	0,63
$\eta_{100\%}$ (%)[1]		75,4	75,4	75,4	75,4
$\eta_{75\%}$ (%)[1]		71,7	71,7	71,7	71,7
$\eta_{50\%}$ (%)[1]		63,7	63,7	63,7	63,7
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,63	0,63	0,63	0,63
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2790	2790	2790	2790
Phase[8]		1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	MULTI INOX 3	MULTINOX 4	INOXPLUS 230	ECOPLUS 240
m.a.s.l. (m)[9]	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ TMAX	2 ÷ TMAX
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

2.6. INOXMATIC

Product Name		INOXMATIC 100 S V230
MEC		63
Stack height	H (mm)	80
Nominal power	P_2 (kW)	0,45
$\eta_{100\%}$ (%)[1]		71,7
$\eta_{75\%}$ (%)[1]		69,2
$\eta_{50\%}$ (%)[1]		61,9
Efficiency level[2]		IE2
Poles[3]		2
Indicative motor rated power output(s) (kW)[4]		0,45
Rated input frequency(s) (Hz)[5]		50
Rated voltage(s) (V)[6]		230
Rated speed(s) (rpm)[7]		2750
Phase[8]		1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	INOXMATIC 100 S V230
m.a.s.l. (m)[9]	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.
T_{MAX} (°C)[12]	40
Atex[13]	No
Power losses (%) on operating point (25;25)[14]	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

2.7. AQUAJET, AQUAJETCOM, AQUAJET INOX

Product Name		AQUAJET 82 M 230/50	AQUAJETCOM 82 M	AQUAJET INOX 82 M	AQUAJET INOX 92 M
MEC		63	63	63	63
Stack height	H (mm)	100	100	100	100
Nominal power	P_2 (kW)	0,55	0,55	0,55	0,55
$\eta_{100\%}$ (%)[1]		74,1	74,1	74,1	74,1
$\eta_{75\%}$ (%)[1]		72	72	72	72
$\eta_{50\%}$ (%)[1]		66,1	66,1	66,1	66,1
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55	0,55	0,55
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2780	2780	2780	2780
Phase[8]		1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	AQUAJET 82 M 230/50	AQUAJETCOM 82 M	AQUAJET INOX 82 M	AQUAJET INOX 92 M
m.a.s.l. (m)[9]	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

2.8. AQUAPROF

Product Name		AQUAPROF BASIC 30/50	AQUAPROF TOP 30/50
MEC		63	63
Stack height	H (mm)	100	100
Nominal power	P_2 (kW)	0,55	0,55
$\eta_{100\%}$ (%)[1]		74,1	74,1
$\eta_{75\%}$ (%)[1]		72	72
$\eta_{50\%}$ (%)[1]		66,1	66,1
Efficiency level[2]		IE2	IE2
Poles[3]		2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55
Rated input frequency(s) (Hz)[5]		50	50
Rated voltage(s) (V)[6]		230	230
Rated speed(s) (rpm)[7]		2780	2780
Phase[8]		1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	AQUAPROF BASIC 30/50	AQUAPROF TOP 30/50
m.a.s.l. (m)[9]	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.
T_{MAX} (°C)[12]	40	40
Atex[13]	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

2.9. EUROSWIM, EUROPRO

Product Name		EUROSWIM 50M	EUROSWIM 75	EUROSWIM 100	EUROSWIMM 150
MEC		63	71	71	80
Stack height	H (mm)	100	90	100	100
Nominal power	P_2 (kW)	0,55	0,75	0,85	1,10
$\eta_{100\%}$ (%)[1]		74,1	77,4	78,1	79,6
$\eta_{75\%}$ (%)[1]		72	75,9	74,8	80,7
$\eta_{50\%}$ (%)[1]		66,1	68,7	67,5	79,3
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,75	0,85	1,10
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2780	2800	2830	2860
Phase[8]		1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	EUROSWIM 50M	EUROSWIM 75	EUROSWIM 100	EUROSWIMM 150
m.a.s.l. (m)[9]	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	50	50	50	50
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		EUROSWIMM 200	EUROSWIMM 300	EUROPRO 50 M
MEC		80	80	63
Stack height	H (mm)	120	140	100
Nominal power	P_2 (kW)	1,40	1,80	0,55
$\eta_{100\%}$ (%)[1]		80,9	82,2	74,1
$\eta_{75\%}$ (%)[1]		80,6	82,4	72
$\eta_{50\%}$ (%)[1]		79,8	82,2	66,1
Efficiency level[2]		IE2	IE2	IE2
Poles[3]		2	2	2
Indicative motor rated power output(s) (kW)[4]		1,40	1,80	0,55
Rated input frequency(s) (Hz)[5]		50	50	50
Rated voltage(s) (V)[6]		230	230	230
Rated speed(s) (rpm)[7]		2875	2860	2780
Phase[8]		1	1	1
m.a.s.l. (m)[9]		2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	EUROSWIMM 200	EUROSWIMM 300	EUROPRO 50 M
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	50	50	50
Atex[13]	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

2.10. ACTIVE SWITCH, ECO SWITCH

Product Name		ACTIVE SWITCH 30/50	ECO SWITCH IE2
MEC		63	63
Stack height	H (mm)	100	100
Nominal power	P_2 (kW)	0,55	0,55
$\eta_{100\%}$ (%)[1]		74,1	74,1
$\eta_{75\%}$ (%)[1]		72	72
$\eta_{50\%}$ (%)[1]		66,1	66,1
Efficiency level[2]		IE2	IE2
Poles[3]		2	2
Indicative motor rated power output(s) (kW)[4]		0,55	0,55
Rated input frequency(s) (Hz)[5]		50	50
Rated voltage(s) (V)[6]		230	230
Rated speed(s) (rpm)[7]		2780	2780
Phase[8]		1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	ACTIVE SWITCH 30/50	ECO SWITCH IE2
m.a.s.l. (m)[9]	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.
T_{MAX} (°C)[12]	40	40
Atex[13]	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

2.11. K, KI

Product Name		K 12/200 M	K 14/400 M	K 20/41 M	K 30/70 M	K 30/100 M
MEC		71	80	63	71	80
Stack height	H (mm)	100	120	100	100	100
Nominal power	P_2 (kW)	0,85	1,40	0,55	0,85	1,10
$\eta_{100\%}$ (%)[1]		78,1	80,9	74,1	78,1	79,6
$\eta_{75\%}$ (%)[1]		74,8	80,6	72	74,8	80,7
$\eta_{50\%}$ (%)[1]		67,5	79,8	66,1	67,5	79,3
Efficiency level[2]		IE2	IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,85	1,40	0,55	0,85	1,10
Rated input frequency(s) (Hz)[5]		50	50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230	230
Rated speed(s) (rpm)[7]		2830	2875	2780	2830	2860
Phase[8]		1	1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	K 12/200 M	K 14/400 M	K 20/41 M	K 30/70 M	K 30/100 M
m.a.s.l. (m)[9]	2000	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40	40
Atex[13]	No	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		K 35/40 M	K 35/100 M	K 36/100 M	K 40/100 M
MEC		71	80	80	80
Stack height	H (mm)	100	100	140	140
Nominal power	P_2 (kW)	0,85	1,10	1,80	1,80
$\eta_{100\%}$ (%)[1]		78,1	79,6	82,2	82,2
$\eta_{75\%}$ (%)[1]		74,8	80,7	82,4	82,4
$\eta_{50\%}$ (%)[1]		67,5	79,3	82,2	82,2
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,85	1,10	1,80	1,80
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2830	2860	2860	2860
Phase[8]		1	1	1	1
m.a.s.l. (m)[9]		2000	2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	K 35/40 M	K 35/100 M	K 36/100 M	K 40/100 M
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		K 45/50 M	K 55/50 M	KI 30/90	KI 30/120
MEC		80	80	71	71
Stack height	H (mm)	100	140	100	100
Nominal power	P_2 (kW)	1,10	1,80	0,85	0,85
$\eta_{100\%}$ (%)[1]		79,6	82,2	78,1	78,1
$\eta_{75\%}$ (%)[1]		80,7	82,4	74,8	74,8
$\eta_{50\%}$ (%)[1]		79,3	82,2	67,5	67,5
Efficiency level[2]		IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2
Indicative motor rated power output(s) (kW)[4]		1,10	1,80	0,85	0,85
Rated input frequency(s) (Hz)[5]		50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230
Rated speed(s) (rpm)[7]		2860	2860	2830	2830
Phase[8]		1	1	1	1
m.a.s.l. (m)[9]		2000	2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	K 45/50 M	K 55/50 M	KI 30/90	KI 30/120
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40
Atex[13]	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

2.12. KV, KVC

Product Name		KV 3/10 M	KV 3/12 M	KV 3/15 M	KV 6/7 M	KV 6/9 M	KV 10/4 M	KV 10/5 M	KV 10/6 M
MEC		80	80	80	80	80	80	80	80
Stack height	H (mm)	100	120	140	100	120	100	140	140
Nominal power	P_2 (kW)	1,10	1,40	1,80	1,10	1,40	1,10	1,80	1,80
$\eta_{100\%}$ (%)[1]		79,6	80,9	82,2	79,6	80,9	79,6	82,2	82,2
$\eta_{75\%}$ (%)[1]		80,7	80,6	82,4	80,7	80,6	80,7	82,4	82,4
$\eta_{50\%}$ (%)[1]		79,3	79,8	82,2	79,3	79,8	79,3	82,2	82,2
Efficiency level[2]		IE2	IE2	IE2	IE2	IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2	2	2	2	2
Indicative motor rated power output(s) (kW)[4]		1,10	1,40	1,80	1,10	1,40	1,10	1,80	1,80
Rated input frequency(s) (Hz)[5]		50	50	50	50	50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230	230	230	230	230
Rated speed(s) (rpm)[7]		2860	2875	2860	2860	2875	2860	2860	2860
Phase[8]		1	1	1	1	1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	KV 3/10 M	KV 3/12 M	KV 3/15 M	KV 6/7 M	KV 6/9 M	KV 10/4 M	KV 10/5 M	KV 10/6 M
m.a.s.l. (m)[9]	2000	2000	2000	2000	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40	40	40	40	40
Atex[13]	No	No	No	No	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		KVC 20/80	KVC 25/120	KVC 30/50	KVC 30/80	KVC 35/120 M	KVC 40/50	KVC 40/80 M
MEC		71	80	71	71	80	71	80
Stack height	H (mm)	90	100	90	100	100	100	100
Nominal power	P_2 (kW)	0,75	1,10	0,75	0,85	1,10	0,85	1,10
$\eta_{100\%}$ (%)[1]		77,4	79,6	77,4	78,1	79,6	78,1	79,6
$\eta_{75\%}$ (%)[1]		75,9	80,7	75,9	74,8	80,7	74,8	80,7
$\eta_{50\%}$ (%)[1]		68,7	79,3	68,7	67,5	79,3	67,5	79,3
Efficiency level[2]		IE2	IE2	IE2	IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,75	1,10	0,75	1,10	1,10	1,10	1,10
Rated input frequency(s) (Hz)[5]		50	50	50	50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230	230	230	230
Rated speed(s) (rpm)[7]		2800	2860	2800	2830	2860	2830	2860
Phase[8]		1	1	1	1	1	1	1
m.a.s.l. (m)[9]		2000	2000	2000	2000	2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	KVC 20/80	KVC 25/120	KVC 30/50	KVC 30/80	KVC 35/120 M	KVC 40/50	KVC 40/80 M
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40	40	40	40
Atex[13]	No	No	No	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		KVC 45/80 M	KVC 45/120 M	KVC 55/50	KVC 55/80 M	KVC 60/30	KVC 65/30	KVC 65/50 M	KVC 75/50 M
MEC		80	80	71	80	71	71	80	80
Stack height	H (mm)	140	140	100	140	100	100	120	120
Nominal power	P_2 (kW)	1,80	1,80	0,85	1,80	0,85	0,85	1,40	1,40
$\eta_{100\%}$ (%)[1]		82,2	82,2	78,1	82,2	78,1	78,1	80,9	80,9
$\eta_{75\%}$ (%)[1]		82,4	82,4	74,8	82,4	74,8	74,8	80,6	80,6
$\eta_{50\%}$ (%)[1]		82,2	82,2	67,5	82,2	67,5	67,5	79,8	79,8
Efficiency level[2]		IE2	IE2	IE2	IE2	IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2	2	2	2	2
Indicative motor rated power output(s) (kW)[4]		1,80	1,80	0,85	1,80	0,85	0,85	1,40	1,40
Rated input frequency(s) (Hz)[5]		50	50	50	50	50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230	230	230	230	230
Rated speed(s) (rpm)[7]		2860	2860	2830	2860	2830	2830	2875	2875
Phase[8]		1	1	1	1	1	1	1	1
m.a.s.l. (m)[9]		2000	2000	2000	2000	2000	2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	KVC 45/80 M	KVC 45/120 M	KVC 55/50	KVC 55/80 M	KVC 60/30	KVC 65/30	KVC 65/50 M	KVC 75/50 M
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40	40	40	40	40
Atex[13]	No	No	No	No	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

2.13. KPS, KPF

Product Name		KPS 30/16 M 230/50	KPS 30/16 M-P 230/50	KPS 38/18 M 230/50	KPF 30/16 M 230/50	KPF 45/20 M 230/50
MEC		63	63	63	63	71
Stack height	H (mm)	60	60	100	60	100
Nominal power	P_2 (kW)	0,25	0,25	0,55	0,25	0,85
$\eta_{100\%}$ (%)[1]		64,8	64,8	74,1	64,8	78,1
$\eta_{75\%}$ (%)[1]		66,7	66,7	72	66,7	74,8
$\eta_{50\%}$ (%)[1]		62,8	62,8	66,1	62,8	67,5
Efficiency level[2]		IE2	IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,25	0,25	0,55	0,25	0,85
Rated input frequency(s) (Hz)[5]		50	50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230	230
Rated speed(s) (rpm)[7]		2710	2710	2780	2710	2830
Phase[8]		1	1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	KPS 30/16 M 230/50	KPS 30/16 M-P 230/50	KPS 38/18 M 230/50	KPF 30/16 M 230/50	KPF 45/20 M 230/50
m.a.s.l. (m)[9]	2000	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40	40
Atex[13]	No	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

2.14. DP

Product Name		DP 102 M	DP 151 M	DP 251 M
MEC		71	80	80
Stack height	H (mm)	90	100	140
Nominal power	P_2 (kW)	0,75	1,10	1,80
$\eta_{100\%}$ (%)[1]		77,4	79,6	82,2
$\eta_{75\%}$ (%)[1]		75,9	80,7	82,4
$\eta_{50\%}$ (%)[1]		68,7	79,3	82,2
Efficiency level[2]		IE2	IE2	IE2
Poles[3]		2	2	2
Indicative motor rated power output(s) (kW)[4]		0,75	1,10	1,80
Rated input frequency(s) (Hz)[5]		50	50	50
Rated voltage(s) (V)[6]		230	230	230
Rated speed(s) (rpm)[7]		2800	2860	2860
Phase[8]		1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	DP 102 M	DP 151 M	DP 251 M
m.a.s.l. (m)[9]	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40
Atex[13]	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

2.15. ALP

Product Name		ALP 2000
MEC		71
Stack height	H (mm)	90
Nominal power	P_2 (kW)	0,75
$\eta_{100\%}$ (%)[1]		77,4
$\eta_{75\%}$ (%)[1]		75,9
$\eta_{50\%}$ (%)[1]		68,7
Efficiency level[2]		IE2
Poles[3]		2
Indicative motor rated power output(s) (kW)[4]		0,75
Rated input frequency(s) (Hz)[5]		50
Rated voltage(s) (V)[6]		230
Rated speed(s) (rpm)[7]		2800
Phase[8]		1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	ALP 2000
m.a.s.l. (m)[9]	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.
T_{MAX} (°C)[12]	40
Atex[13]	No
Power losses (%) on operating point (25;25)[14]	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

2.16. KLP, DKLP

Product Name		KLP 40/600	KLP 40/900	KLP 40/1200	KLP 40/1600	KLP 40/1800
MEC		71	71	71	71	71
Stack height	H (mm)	90	90	90	90	90
Nominal power	P_2 (kW)	0,75	0,75	0,75	0,75	0,75
$\eta_{100\%}$ (%)[1]		77,4	77,4	77,4	77,4	77,4
$\eta_{75\%}$ (%)[1]		75,9	75,9	75,9	75,9	75,9
$\eta_{50\%}$ (%)[1]		68,7	68,7	68,7	68,7	68,7
Efficiency level[2]		IE2	IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,75	0,75	0,75	0,75	0,75
Rated input frequency(s) (Hz)[5]		50	50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230	230
Rated speed(s) (rpm)[7]		2800	2800	2800	2800	2800
Phase[8]		1	1	1	1	1

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	KLP 40/600	KLP 40/900	KLP 40/1200	KLP 40/1600	KLP 40/1800
m.a.s.l. (m)[9]	2000	2000	2000	2000	2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40	40
Atex[13]	No	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.	N.A.

9 Altitudes above sea-level

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name		KLP 50/900	KLP 50/1200	KLP 50/1600 M	KLP 50/2000 M	DKLP 50/1600	DKLP 50/2000
MEC		71	71	80	80	80	80
Stack height	H (mm)	90	90	120	140	120	140
Nominal power	P_2 (kW)	0,75	0,75	1,40	1,80	1,40	1,80
$\eta_{100\%}$ (%)[1]		77,4	77,4	80,9	82,2	80,9	82,2
$\eta_{75\%}$ (%)[1]		75,9	75,9	80,6	82,4	80,6	82,4
$\eta_{50\%}$ (%)[1]		68,7	68,7	79,8	82,2	79,8	82,2
Efficiency level[2]		IE2	IE2	IE2	IE2	IE2	IE2
Poles[3]		2	2	2	2	2	2
Indicative motor rated power output(s) (kW)[4]		0,75	0,75	1,40	1,80	1,40	1,80
Rated input frequency(s) (Hz)[5]		50	50	50	50	50	50
Rated voltage(s) (V)[6]		230	230	230	230	230	230
Rated speed(s) (rpm)[7]		2800	2800	2875	2860	2875	2860
Phase[8]		1	1	1	1	1	1
m.a.s.l. (m)[9]		2000	2000	2000	2000	2000	2000

1 Rated efficiency (η_N) at the full, 75% and 50% rated load and voltage (U_N), determined based on the 50Hz operation and 25°C ambient reference temperature, rounded to one decimal place

2 Efficiency level: “IE2” as determined in the III section of the Annex I in the Regulation 1781/2019

3 Number of poles of the motor

4 Indicative motor rated power output(s) P_N or range of rated power output

5 Rated input frequency(s) of the motor

6 Rated voltage(s) or range of rated voltage

7 Rated speed(s) or range of rated speed

8 Whether single-phase or three-phase

9 Altitudes above sea-level

GENERAL TECHNICAL INFORMATION ON THE PRODUCT, ACCORDING TO REGULATION 1781/2019

Product Name	KLP 50/900	KLP 50/1200	KLP 50/1600 M	KLP 50/2000 M	DKLP 50/1600	DKLP 50/2000
Tmin ÷ Tmax (°C)[10]	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}	2 ÷ T_{MAX}
Inlet water coolant temperature (°C)[11]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
T_{MAX} (°C)[12]	40	40	40	40	40	40
Atex[13]	No	No	No	No	No	No
Power losses (%) on operating point (25;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (25;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;25)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;50)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (50;100)[14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;50) [14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Power losses (%) on operating point (90;100) [14]	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

10 Minimum and maximum ambient air temperatures including for motors with air cooling

11 Water coolant temperature at the inlet to the product, where applicable

12 Maximum operating temperature

13 Potentially explosive atmospheres

14 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

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