

IE2 three-phase AC motor m550-H Version B
IE3 three-phase AC motor m550-P Version B

Product information acc. to REGULATION (EU) 2019/1781 (ANNEX I, Section 2)

Rated efficiency at full load	η_N	%	59.1	64	64.7	68	68.5	70	72.7	72	77.1	75.5
Efficiency at 75 % rated load	η	%	59.1	63.7	64.7	68	68.5	70	72.7	72	77.1	75.5
Efficiency at 50 % rated load	η	%	54.9	56.4	62.5	64	69.5	70.4	69.5	70.8	75.8	76.2
Efficiency level			IE2									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M55BH063S04		M55BH063M04		M55BH063L04		M55BH071M04		M55BH071L04	
Number of poles of the motor			4									
Rated power output	P_N	kW	0.12		0.18		0.25		0.37		0.55	
Rated input frequency	f_N	Hz	50	60	50	60	50	60	50	60	50	60
Rated voltage	U_N	V	400	460	400	460	400	460	400	460	400	460
Rated speed	n_N	rpm	1415	1725	1400	1715	1390	1710	1425	1735	1430	1740
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-30 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

Rated efficiency at full load	η_N	%	82.5	85.5	84.1	86.5	85.3	86.5	86.7	89.5	87.7	89.5
Efficiency at 75 % rated load	η	%	82.5	85.2	84.1	86.5	85.3	86.5	86.7	89.5	87.7	89.5
Efficiency at 50 % rated load	η	%	82.6	83.1	84.4	84.6	85.1	85.5	87.9	88	88.3	88.5
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M55BP080M04		M55BP090M04		M55BP090L04		M55BP100M04		M55BP100L04	
Number of poles of the motor			4									
Rated power output	P_N	kW	0.75		1.1		1.5		2.2		3	
Rated input frequency	f_N	Hz	50	60	50	60	50	60	50	60	50	60
Rated voltage	U_N	V	400	460	400	460	400	460	400	460	400	460
Rated speed	n_N	rpm	1455	1760	1465	1770	1465	1770	1470	1775	1470	1770
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-30 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

IE2 three-phase AC motor m550-H Version B
IE3 three-phase AC motor m550-P Version B

Product information acc. to REGULATION (EU) 2019/1781 (ANNEX I, Section 2)

Rated efficiency at full load	η_N	%	88.6	89.5	89.6	91.7	90.4	91.7	91.4	92.4	92.1	93
Efficiency at 75 % rated load	η	%	88.6	89.5	89.6	91.4	90.4	91.7	91.4	92.4	92.1	93
Efficiency at 50 % rated load	η	%	89.8	90.1	90.3	90.2	90.8	90.9	92	91.9	92.8	92.6
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M55BP112M04		M55BP132M04		M55BP132L04		M55BP160M04		M55BP160L04	
Number of poles of the motor			4									
Rated power output	P_N	kW	4		5.5		7.5		11		15	
Rated input frequency	f_N	Hz	50	60	50	60	50	60	50	60	50	60
Rated voltage	U_N	V	400	460	400	460	400	460	400	460	400	460
Rated speed	n_N	rpm	1470	1775	1480	1780	1480	1780	1485	1785	1485	1785
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-30 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

Rated efficiency at full load	η_N	%	92.6	93.6	93	93.6
Efficiency at 75 % rated load	η	%	92.6	93.6	93	93.6
Efficiency at 50 % rated load	η	%	93.2	92.9	93.7	93.6
Efficiency level			IE3			
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY			
Commercial registration number			Hannover HRB 204803			
Product's model identifier			M55BP180M04		M55BP180L04	
Number of poles of the motor			4			
Rated power output	P_N	kW	18.5		22	
Rated input frequency	f_N	Hz	50	60	50	60
Rated voltage	U_N	V	400	460	400	460
Rated speed	n_N	rpm	1485	1785	1480	1780
Number of phases of the motor			Three-phase motor			
Altitudes above sea-level		m	0 ... 1000			
Ambient air temperature		°C	-30 ... +40			
Maximum operating temperature		°C	155			
Potentially explosive atmospheres			No operation in explosive atmospheres			

Efficiency (η_N , η) The efficiency refers to the nominal voltage and an ambient reference temperature of 25 °C.

Rated efficiency at full load	η_N	%	84.1	86.5	85.3	86.5	86.7	89.5	87.7	89.5	89.5	88.6
Efficiency at 75 % rated load	η	%	84.7	86.4	85.9	86.4	87	89.2	88.5	89.5	89.4	89.2
Efficiency at 50 % rated load	η	%	83.4	84.2	84.9	84.6	85.9	87.2	87.9	88.3	87.7	88.6
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M54AP090M04		M54AP090L04		M54AP100M04		M54AP100L04		M54AP112M04	
Number of poles of the motor			4									
Rated power output	P_N	kW	1.1		1.5		2.2		3		3.7	4
Rated input frequency	f_N	Hz	50	60	50	60	50	60	50	60	60	50
Rated voltage	U_N	V	400	460	400	460	400	460	400	460	460	400
Rated speed	n_N	rpm	1440	1750	1445	1755	1465	1770	1460	1760	1770	1460
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-20 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

Rated efficiency at full load	η_N	%	89.6	91.7	90.4	91.7	91.4	92.4	92.1	93	92.6	93.6
Efficiency at 75 % rated load	η	%	90	91.6	91.1	91.8	91.8	92.3	92.3	92.8	93.1	93.7
Efficiency at 50 % rated load	η	%	89.4	90.5	90.8	91	91.2	91.1	91.5	91.4	93	93.1
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M54AP132M04		M54AP132L04		M54AP160M04		M54AP160L04		M54AP180M04	
Number of poles of the motor			4									
Rated power output	P_N	kW	5.5		7.5		11		15		18.5	
Rated input frequency	f_N	Hz	50	60	50	60	50	60	50	60	50	60
Rated voltage	U_N	V	400	460	400	460	400	460	400	460	400	460
Rated speed	n_N	rpm	1470	1775	1465	1770	1475	1775	1475	1780	1470	1775
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-20 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

Rated efficiency at full load	η_N	%	93	93.6	93.6	94.1	93.9	94.5	94.2	95	94.6	95.4
Efficiency at 75 % rated load	η	%	93.6	93.8	94.2	94.3	94.5	94.7	94.9	95.3	95.1	95.6
Efficiency at 50 % rated load	η	%	93.6	93.3	94.2	93.8	94.4	94.2	95.1	94.9	95	95.1
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M54AP180L04		M54AP200M04		M54AP225M04		M54AP225L04		M54AP250M04	
Number of poles of the motor			4									
Rated power output	P_N	kW	22		30		37		45		55	
Rated input frequency	f_N	Hz	50	60	50	60	50	60	50	60	50	60
Rated voltage	U_N	V	400	460	400	460	400	460	400	460	400	460
Rated speed	n_N	rpm	1470	1775	1470	1778	1478	1782	1478	1782	1482	1786
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-20 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

Efficiency (η_N , η) The efficiency refers to the nominal voltage and an ambient reference temperature of 25 °C.

Rated efficiency at full load	η_N	%	-	-
Efficiency at 75 % rated load	η	%	-	-
Efficiency at 50 % rated load	η	%	-	-
Efficiency level				-
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY	
Commercial registration number			Hannover HRB 204803	
Product's model identifier			MSEMA□□063-42	MSEMA□□080-32
Number of poles of the motor			-	
Rated power output	P_N	kW	-	
Rated input frequency	f_N	Hz	-	-
Rated voltage	U_N	V	-	-
Rated speed	n_N	rpm	-	-
Number of phases of the motor			-	
Altitudes above sea-level		m	...	
Ambient air temperature		°C	...	
Maximum operating temperature		°C	-	
Potentially explosive atmospheres			-	
Reason for exemption from efficiency requirements			The motors are equipped with an integrated variable speed drive (compact drives) and the energy performance of the motors cannot be tested independently from the variable speed drive.	

□ Placeholder for product variants



Rated efficiency at full load	η_N	%	82.5	85.5	85	87	85	87	87	90	88	90
Efficiency at 75 % rated load	η	%	83.9	84.5	84.1	85.6	84.9	85.6	87.3	88.7	87.2	89.5
Efficiency at 50 % rated load	η	%	81.7	81.3	81.5	82.9	82.4	82.3	86	87.1	85.8	87.9
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M55AP080M04		M55AP090M04		M55AP090L04		M55AP100M04		M55AP100L04	
Number of poles of the motor			4									
Rated power output	P_N	kW	0.75		1.1		1.5		2.2		3	
Rated input frequency	f_N	Hz	50	60	50	60	50	60	50	60	50	60
Rated voltage	U_N	V	400	460	400	460	400	460	400	460	400	460
Rated speed	n_N	rpm	1450	1758	1444	1754	1442	1750	1452	1758	1449	1756
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-20 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

Rated efficiency at full load	η_N	%	88.6	89.5	89.6	91.7	90.4	91.7	91.4	92.4	92.1	93
Efficiency at 75 % rated load	η	%	88.3	88.9	90.3	91.1	90.5	91.2	91.2	91.4	91.9	92.4
Efficiency at 50 % rated load	η	%	87.3	87.3	88.6	89.5	89.7	89.6	89.8	89.5	90.9	91.1
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M55AP112M04		M55AP132M04		M55AP132L04		M55AP160M04		M55AP160L04	
Number of poles of the motor			4									
Rated power output	P_N	kW	4		5.5		7.5		11		15	
Rated input frequency	f_N	Hz	50	60	50	60	50	60	50	60	50	60
Rated voltage	U_N	V	400	460	400	460	400	460	400	460	400	460
Rated speed	n_N	rpm	1453	1758	1460	1765	1477	1779	1478	1780	1470	1775
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-20 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									



Rated efficiency at full load	η_N	%	92.6	93.6	93	93.6	93.6	94.1	93.6	94.1	93.9	94.5
Efficiency at 75 % rated load	η	%	93.2	93.4	93.2	93.6	93.7	94	93.7	94	94.2	94.2
Efficiency at 50 % rated load	η	%	93	92.3	92.9	92.7	93.4	93.2	93.4	93.2	93.4	93.1
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M55AP180M04		M55AP180L04		M55AP180V04		M55AP200M04		M55AP225M04	
Number of poles of the motor			4									
Rated power output	P_N	kW	18.5		22		30				37	
Rated input frequency	f_N	Hz	50	60	50	60	50	60	50	60	50	60
Rated voltage	U_N	V	400	460	400	460	400	460	400	460	400	460
Rated speed	n_N	rpm	1483	1783	1480	1783	1478	1779	1478	1779	1483	1785
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-20 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

Rated efficiency at full load	η_N	%	94.2					95				
Efficiency at 75 % rated load	η	%	93.9					94.5				
Efficiency at 50 % rated load	η	%	93.1					93.4				
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M55AP225L04									
Number of poles of the motor			4									
Rated power output	P_N	kW	45									
Rated input frequency	f_N	Hz	50					60				
Rated voltage	U_N	V	400					460				
Rated speed	n_N	rpm	1482					1783				
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-20 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

Efficiency (η_N , η) The efficiency refers to the nominal voltage and an ambient reference temperature of 25 °C.



Rated efficiency at full load	η_N	%	80.7	82.5	82.9	84.1	84.2	85.3	85.9	86.7	87.1	87.7
Efficiency at 75 % rated load	η	%	78.9	82.4	81.5	83.5	83.8	84.2	84.9	85.7	87.8	86.2
Efficiency at 50 % rated load	η	%	74.4	80.2	77.5	80.8	81.2	81.5	83.7	83.8	85.9	83.9
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M24AP080M02	M24AP080M04	M24AP080L02	M24AP090M04	M24AP090M02	M24AP090L04	M24AP090L02	M24AP100M04	M24AP100M02	M24AP100L04
Number of poles of the motor			2	4	2	4	2	4	2	4	2	4
Rated power output	P_N	kW	0.75		1.1		1.5		2.2		3	
Rated input frequency	f_N	Hz	50	50	50	50	50	50	50	50	50	50
Rated voltage	U_N	V	400	400	400	400	400	400	400	400	400	400
Rated speed	n_N	rpm	2885	1443	2905	1445	2925	1435	2911	1446	2936	1453
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-20 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									

Rated efficiency at full load	η_N	%	88.4	88.6	89.2	89.6	90.1	90.4	91.4	92.1	92.6	93
Efficiency at 75 % rated load	η	%	87.9	88.3	88.9	89.1	90.1	89.9	91.6	92.1	92.9	93.2
Efficiency at 50 % rated load	η	%	85.7	87.2	86.7	86.9	88.9	88	90.1	91.1	91.3	92.2
Efficiency level			IE3									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			M24AP112M02	M24AP112M04	M24AP132M02	M24AP132M04	M24AP132L02	M24AP132L04	M24AP160M04	M24AP160L04	M24AP180M04	M24AP180L04
Number of poles of the motor			2	4	2	4	2			4		
Rated power output	P_N	kW	4		5.5		7.5		11	15	18.5	22
Rated input frequency	f_N	Hz	50	50	50	50	50	50	50	50	50	50
Rated voltage	U_N	V	400	400	400	400	400	400	400	400	400	400
Rated speed	n_N	rpm	2917	1435	2930	1465	2935	1460	1470	1470	1460	1465
Number of phases of the motor			Three-phase motor									
Altitudes above sea-level		m	0 ... 1000									
Ambient air temperature		°C	-20 ... +40									
Maximum operating temperature		°C	155									
Potentially explosive atmospheres			No operation in explosive atmospheres									



Rated efficiency at full load	η_N	%	93.6	93.6	93.9	94.2
Efficiency at 75 % rated load	η	%	93.5	93.5	92.8	93.2
Efficiency at 50 % rated load	η	%	92.7	92.7	90.9	91.7
Efficiency level			IE3			
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY			
Commercial registration number			Hannover HRB 204803			
Product's model identifier			M24AP180V04	M24AP200M04	M24AP225M04	M24AP225L04
Number of poles of the motor			4			
Rated power output	P_N	kW	30		37	45
Rated input frequency	f_N	Hz	50	50	50	50
Rated voltage	U_N	V	400	400	400	400
Rated speed	n_N	rpm	1475	1475	1485	1485
Number of phases of the motor			Three-phase motor			
Altitudes above sea-level		m	0 ... 1000			
Ambient air temperature		°C	-20 ... +40			
Maximum operating temperature		°C	155			
Potentially explosive atmospheres			No operation in explosive atmospheres			

Efficiency (η_N, η) The efficiency refers to the nominal voltage and an ambient reference temperature of 25 °C.



Rated efficiency at full load	η_N	%	-	-	-	-	-	-	-	-	-	-
Efficiency at 75 % rated load	η	%	-	-	-	-	-	-	-	-	-	-
Efficiency at 50 % rated load	η	%	-	-	-	-	-	-	-	-	-	-
Efficiency level			-									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			MD□MA□□ 063-02	MD□MA□□ 063-12	MD□MA□□ 063-22	MD□MA□□ 063-32	MD□MA□□ 063-42	MD□MA□□ 071-12	MD□MA□□ 071-32	MD□MA□□ 071-42	MD□MA□□ 080-12	MD□MA□□ 080-32
Number of poles of the motor			-									
Rated power output	P_N	kW	-									
Rated input frequency	f_N	Hz	-	-	-	-	-	-	-	-	-	-
Rated voltage	U_N	V	-	-	-	-	-	-	-	-	-	-
Rated speed	n_N	rpm	-	-	-	-	-	-	-	-	-	-
Number of phases of the motor			-									
Altitudes above sea-level		m	...									
Ambient air temperature		°C	...									
Maximum operating temperature		°C	-									
Potentially explosive atmospheres			-									
Reason for exemption from efficiency requirements			The motors are placed on the market before July 1, 2029. They are marketed exclusively as replacements for identical motors integrated into products placed on the market before July 1, 2021, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (a) and before July 1, 2023, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (b).									

Rated efficiency at full load	η_N	%	-	-	-	-	-	-	-	-	-	-
Efficiency at 75 % rated load	η	%	-	-	-	-	-	-	-	-	-	-
Efficiency at 50 % rated load	η	%	-	-	-	-	-	-	-	-	-	-
Efficiency level			-									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			MD□MA□□ 080-42	MD□MA□□ 090-12	MD□MA□□ 090-32	MD□MA□□ 100-12	MD□MA□□ 100-32	MD□MA□□ 112-22	MD□MA□□ 112-32	MD□MA□□ 132-12	MD□MA□□ 132-22	MD□MA□□ 132-32
Number of poles of the motor			-									
Rated power output	P_N	kW	-									
Rated input frequency	f_N	Hz	-	-	-	-	-	-	-	-	-	-
Rated voltage	U_N	V	-	-	-	-	-	-	-	-	-	-
Rated speed	n_N	rpm	-	-	-	-	-	-	-	-	-	-
Number of phases of the motor			-									
Altitudes above sea-level		m	...									
Ambient air temperature		°C	...									
Maximum operating temperature		°C	-									
Potentially explosive atmospheres			-									
Reason for exemption from efficiency requirements			The motors are placed on the market before July 1, 2029. They are marketed exclusively as replacements for identical motors integrated into products placed on the market before July 1, 2021, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (a) and before July 1, 2023, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (b).									



Rated efficiency at full load	η_N	%	-	-	-	-	-	-	-
Efficiency at 75 % rated load	η	%	-	-	-	-	-	-	-
Efficiency at 50 % rated load	η	%	-	-	-	-	-	-	-
Efficiency level			-						
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY						
Commercial registration number			Hannover HRB 204803						
Product's model identifier			MD□MA□□160-22	MD□MA□□160-32	MD□MA□□180-12	MD□MA□□180-32	MD□MA□□180-42	MD□MA□□225-12	MD□MA□□225-22
Number of poles of the motor			-						
Rated power output	P_N	kW	-						
Rated input frequency	f_N	Hz	-	-	-	-	-	-	-
Rated voltage	U_N	V	-	-	-	-	-	-	-
Rated speed	n_N	rpm	-	-	-	-	-	-	-
Number of phases of the motor			-						
Altitudes above sea-level		m	...						
Ambient air temperature		°C	...						
Maximum operating temperature		°C	-						
Potentially explosive atmospheres			-						
Reason for exemption from efficiency requirements			The motors are placed on the market before July 1, 2029. They are marketed exclusively as replacements for identical motors integrated into products placed on the market before July 1, 2021, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (a) and before July 1, 2023, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (b).						

□ Placeholder for product variants



Rated efficiency at full load	η_N	%	-	-	-	-	-	-	-	-	-	-
Efficiency at 75 % rated load	η	%	-	-	-	-	-	-	-	-	-	-
Efficiency at 50 % rated load	η	%	-	-	-	-	-	-	-	-	-	-
Efficiency level			-									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			MH□MA□□ 080-32	MH□MA□□ 090-12	MH□MA□□ 090-32	MH□MA□□ 100-12	MH□MA□□ 100-32	MH□MA□□ 112-22	MH□MA□□ 132-12	MH□MA□□ 132-22	MH□MA□□ 160-22	MH□MA□□ 160-32
Number of poles of the motor			-									
Rated power output	P_N	kW	-									
Rated input frequency	f_N	Hz	-	-	-	-	-	-	-	-	-	-
Rated voltage	U_N	V	-	-	-	-	-	-	-	-	-	-
Rated speed	n_N	rpm	-	-	-	-	-	-	-	-	-	-
Number of phases of the motor			-									
Altitudes above sea-level		m	...									
Ambient air temperature		°C	...									
Maximum operating temperature		°C	-									
Potentially explosive atmospheres			-									
Reason for exemption from efficiency requirements			The motors are placed on the market before July 1, 2029. They are marketed exclusively as replacements for identical motors integrated into products placed on the market before July 1, 2021, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (a) and before July 1, 2023, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (b).									

Rated efficiency at full load	η_N	%	-	-	-	-	-	-	-	-	-	-
Efficiency at 75 % rated load	η	%	-	-	-	-	-	-	-	-	-	-
Efficiency at 50 % rated load	η	%	-	-	-	-	-	-	-	-	-	-
Efficiency level			-									
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY									
Commercial registration number			Hannover HRB 204803									
Product's model identifier			MH□MA□□180-12	MH□MA□□180-32	MH□MA□□180-42	MH□MA□□200-32	MH□MA□□225-12	MH□MA□□225-22	MH□MA□□250-22			
Number of poles of the motor			-									
Rated power output	P_N	kW	-									
Rated input frequency	f_N	Hz	-	-	-	-	-	-	-	-	-	-
Rated voltage	U_N	V	-	-	-	-	-	-	-	-	-	-
Rated speed	n_N	rpm	-	-	-	-	-	-	-	-	-	-
Number of phases of the motor			-									
Altitudes above sea-level		m	...									
Ambient air temperature		°C	...									
Maximum operating temperature		°C	-									
Potentially explosive atmospheres			-									
Reason for exemption from efficiency requirements			The motors are placed on the market before July 1, 2029. They are marketed exclusively as replacements for identical motors integrated into products placed on the market before July 1, 2021, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (a) and before July 1, 2023, in accordance with REGULATION (EU) 2019/1781, ANNEX I, Section 1, point (b).									

□ Placeholder for product variants



Rated efficiency at full load	η_N	%	-	-	-	-
Efficiency at 75 % rated load	η	%	-	-	-	-
Efficiency at 50 % rated load	η	%	-	-	-	-
Efficiency level			-			
Manufacturer's name			Lenze SE · Hans-Lenze-Str. 1 · 31855 Aerzen · GERMANY			
Commercial registration number			Hannover HRB 204803			
Product's model identifier			SDS□A□□047-22	SDS□A□□056-22	SDS□A□□063-22	SDS□A□□063-32
Number of poles of the motor			-			
Rated power output	P_N	kW	-			
Rated input frequency	f_N	Hz	-	-	-	-
Rated voltage	U_N	V	-	-	-	-
Rated speed	n_N	rpm	-	-	-	-
Number of phases of the motor			-			
Altitudes above sea-level		m	...			
Ambient air temperature		°C	...			
Maximum operating temperature		°C	-			
Potentially explosive atmospheres			-			
Reason for exemption from efficiency requirements			The motors are completely enclosed and self-cooled (TENV motors).			

□ Placeholder for product variants

