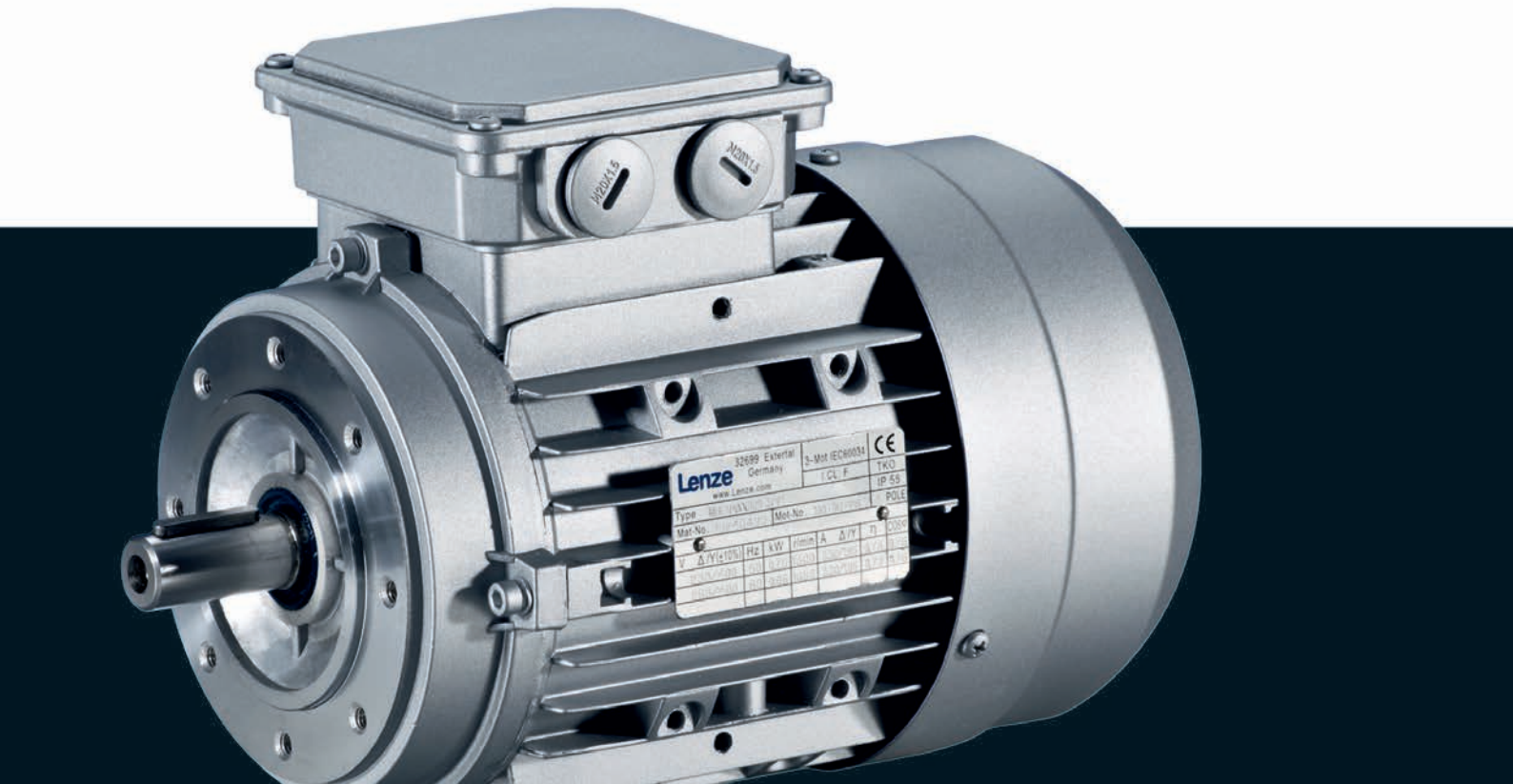
Basic MD/MH three-phase AC motors

0.06 ... 45 kW



Basic MD/MH three-phase AC motors

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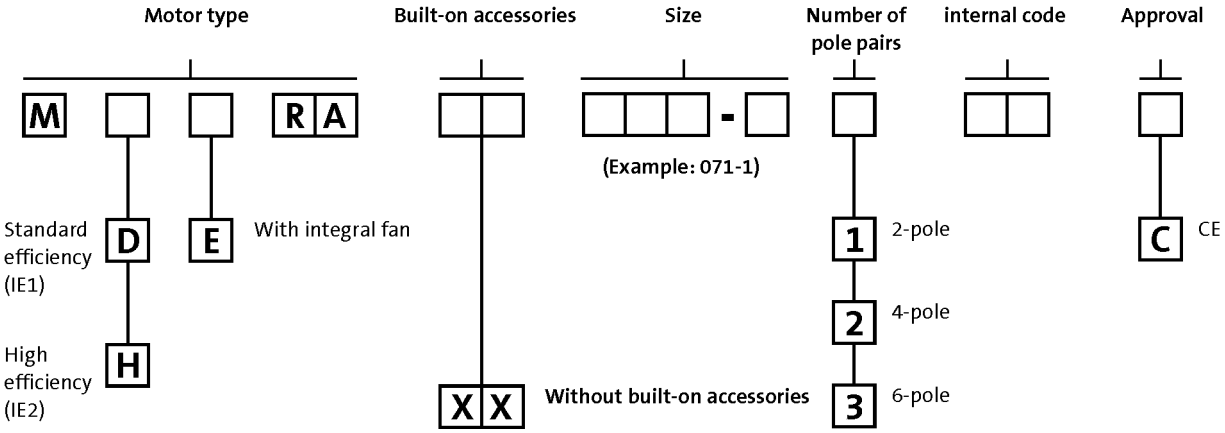
List of abbreviations

$\eta_{100\,\%}$	[%]	Efficiency
$\eta_{50\,\%}$	[%]	Efficiency
$\eta_{75\,\%}$	[%]	Efficiency
cos ϕ		Power factor
$I_{N,\Delta}$	[A]	Rated current
$I_{N,Y}$	[A]	Rated current
I_a/I_N		Starting current
m	[kg]	Mass
M_a	[Nm]	Starting torque
M_b	[Nm]	Stalling torque
M_N	[Nm]	Rated torque
n_N	[r/min]	Rated speed
P_N	[kW]	Rated power
$U_{N,\Delta}$	[V]	Rated voltage
$U_{N,Y}$	[V]	Rated voltage

EN 50347	Three-phase asynchronous motors for general use with standardised dimensions and outputs

5.9

Product key



Product information

Many straightforward industrial applications are the perfect example of when three-phase AC motors are required for mains operation without any of the typical options (e.g. blower, brake). That is where the robust three-phase AC motors from the Basic series come into play. These round off the section of the Lenze product portfolio that concentrates on cost-optimised motors.

- The 2, 4 and 6-pole motors in sizes 56 to 132 are available in B3, B5 and B14 designs. In addition, 4-pole motors are available in designs B3 and B5 up to a size of 225.
- All motors with a power of 0.75 kW or above meet the requirements of efficiency class IE2 (high efficiency) according to IEC60034-30. The efficiency was measured in accordance with IEC 60034-2-1.
- The motors in sizes 056 to 132 have an aluminium housing. From size 160 upwards, they feature a housing made from cast iron.
- Designs B3 and B5 come with a basalt grey coating (RAL7012) as standard. In the case of design B14, no coating is applied up to size 132.
- The motors feature an integrated integral fan as standard.
- The integrated thermal sensors enable continuous temperature monitoring and are coordinated with the temperature class F (155°C) of the motors.
  The following thermal sensors are used:
  - Motor frame size 56 to 132, design B3: 1x PTC
  - Motor frame size 56 to 132, designs B5 and B14: 1x thermal contact
  - Motor frame size 160 to 225, designs B3 and B5: 3x PTC
- The motors feature high-quality ball bearings.
- IP55 degree of protection ensures that the series is able to cope with the environmental conditions.
- The mounting dimensions conform to standards IEC 60072-1 and DIN EN 50347.
- All motor data assumes a maximum ambient temperature (cooling air temperature) of 40°C and a maximum site altitude of 1000 m above sea level.

Rated data for 50 Hz

2-pole motors

	P_N	n_N	$U_{N,\Delta}$	$I_{N,\Delta}$	$U_{N,Y}$	$I_{N,Y}$	I_a/I_N
			± 10 %		± 10 %		
	[kW]	[r/min]	[V]	[A]	[V]	[A]	
MDERAXX056-11V1C	0.090	2710	230	0.64	400	0.37	4.00
MDERAXX056-21V1C	0.12	2710	230	0.78	400	0.45	4.00
MDERAXX063-11V1C	0.18	2720	230	0.95	400	0.55	5.50
MDERAXX063-21V1C	0.25	2720	230	1.25	400	0.72	5.50
MDERAXX071-11V1C	0.37	2760	230	1.63	400	0.94	6.10
MDERAXX071-21V1C	0.55	2820	230	2.30	400	1.33	6.10
MHERAXX080-11V1C	0.75	2880	230	3.04	400	1.75	7.00
MHERAXX080-31V1C	1.10	2880	230	4.30	400	2.47	7.00
MHERAXX090-11V1C	1.50	2900	230	5.16	400	2.96	8.50
MHERAXX090-31V1C	2.20	2900	230	7.37	400	4.24	8.50
MHERAXX100-31V1C	3.00	2900	230	9.80	400	5.63	9.00
MHERAXX112-21V1C	4.00	2920	400	7.52			9.00
MHERAXX132-11V1C	5.50	2930	400	10.2			8.50
MHERAXX132-21V1C	7.50	2930	400	13.8			8.50

	M_N	M_a	M_b	cos ϕ	$\eta_{50\,\%}$	$\eta_{75\,\%}$	$\eta_{100\,\%}$	m
	[Nm]	[Nm]	[Nm]		[%]	[%]	[%]	[kg]
MDERAXX056-11V1C	0.32	0.58	0.64	0.70			50.0	3.20
MDERAXX056-21V1C	0.42	0.76	0.84	0.70			55.0	3.40
MDERAXX063-11V1C	0.63	1.39	1.39	0.73			65.0	3.90
MDERAXX063-21V1C	0.88	1.94	1.94	0.76			66.0	4.40
MDERAXX071-11V1C	1.28	2.82	2.82	0.81			70.0	6.20
MDERAXX071-21V1C	1.86	4.09	4.28	0.82			73.0	6.30
MHERAXX080-11V1C	2.49	6.23	6.47	0.78	76.3	79.0	79.3	11.0
MHERAXX080-31V1C	3.65	9.13	9.49	0.79	78.3	81.0	81.3	13.0
MHERAXX090-11V1C	4.94	10.9	12.4	0.88	81.5	83.2	83.0	16.0
MHERAXX090-31V1C	7.24	15.9	18.1	0.89	83.4	84.7	84.2	19.0
MHERAXX100-31V1C	9.88	21.7	24.7	0.90	85.0	86.0	85.4	24.0
MHERAXX112-21V1C	13.1	28.8	32.8	0.89	86.0	87.0	86.3	28.0
MHERAXX132-11V1C	17.9	39.4	44.8	0.89	86.0	87.5	87.5	40.0
MHERAXX132-21V1C	24.4	53.7	61.0	0.89	87.6	88.8	88.4	43.0

Rated data for 50 Hz

4-pole motors

	P_N	n_N	$U_{N,\Delta}$	$I_{N,\Delta}$	$U_{N,Y}$	$I_{N,Y}$	I_a/I_N
			± 10 %		± 10 %		
	[kW]	[r/min]	[V]	[A]	[V]	[A]	
MDERAXX056-12V1C	0.060	1330	230	0.47	400	0.27	4.00
MDERAXX056-22V1C	0.090	1330	230	0.62	400	0.36	4.00
MDERAXX063-12V1C	0.12	1340	230	0.73	400	0.42	4.40
MDERAXX063-32V1C	0.18	1340	230	1.06	400	0.61	4.40
MDERAXX071-12V1C	0.25	1345	230	1.30	400	0.75	5.20
MDERAXX071-32V1C	0.37	1340	230	1.84	400	1.06	5.20
MDERAXX071-42V1C	0.55	1390	230	2.58	400	1.49	5.30
MDERAXX080-12V1C	0.55	1425	230	2.46	400	1.41	8.80
MHERAXX080-32V1C	0.75	1425	230	3.24	400	1.86	8.80
MHERAXX090-12V1C	1.10	1450	230	4.29	400	2.47	8.80
MHERAXX090-32V1C	1.50	1450	230	5.76	400	3.31	8.50
MHERAXX100-12V1C	2.20	1440	230	8.40	400	4.83	9.00
MHERAXX100-32V1C	3.00	1440	230	11.3	400	6.49	9.00

	M_N	M_a	M_b	cos ϕ	$\eta_{50\,\%}$	$\eta_{75\,\%}$	$\eta_{100\,\%}$	m
	[Nm]	[Nm]	[Nm]		[%]	[%]	[%]	[kg]
MDERAXX056-12V1C	0.43	0.60	0.86	0.65			50.0	3.20
MDERAXX056-22V1C	0.65	1.17	1.30	0.73			50.0	3.40
MDERAXX063-12V1C	0.86	1.55	1.72	0.72			57.0	4.00
MDERAXX063-32V1C	1.28	2.30	2.56	0.73			58.0	4.50
MDERAXX071-12V1C	1.77	3.72	3.89	0.74			65.0	6.10
MDERAXX071-32V1C	2.64	5.54	5.81	0.75			67.0	6.70
MDERAXX071-42V1C	3.78	8.32	9.45	0.75			71.0	9.20
MDERAXX080-12V1C	3.69	8.49	9.23	0.73			77.0	12.0
MHERAXX080-32V1C	5.03	11.6	12.6	0.73	75.6	78.8	79.6	14.0
MHERAXX090-12V1C	7.24	16.7	18.1	0.79	78.6	81.0	81.4	17.0
MHERAXX090-32V1C	9.88	22.7	24.7	0.79	80.0	82.4	82.8	20.0
MHERAXX100-12V1C	14.6	33.6	36.5	0.78	82.0	84.0	84.3	25.0
MHERAXX100-32V1C	19.9	45.8	49.8	0.78	84.0	85.6	85.5	29.0

Rated data for 50 Hz

4-pole motors

	P_N	n_N	$U_{N,\Delta}$	$I_{N,\Delta}$	$U_{N,Y}$	$I_{N,Y}$	I_a/I_N
			± 10 %		± 10 %		
	[kW]	[r/min]	[V]	[A]	[V]	[A]	
MHERAXX112-22V1C	4.00	1460	400	8.00			8.80
MHERAXX132-12V1C	5.50	1460	400	11.0			8.50
MHERAXX132-22V1C	7.50	1460	400	14.7			8.20
MHERAXX160-22V1C	11.0	1460	400	20.5			7.00
MHERAXX160-32V1C	15.0	1460	400	27.8			7.50
MHERAXX180-22V1C	18.5	1470	400	33.7			7.50
MHERAXX180-32V1C	22.0	1470	400	39.9			7.50
MHERAXX200-32V1C	30.0	1470	400	52.2			7.20
MHERAXX225-12V1C	37.0	1480	400	65.6			7.20
MHERAXX225-22V1C	45.0	1480	400	79.3			7.20

	M_N	M_a	M_b	cos ϕ	$\eta_{50\,\%}$	$\eta_{75\,\%}$	$\eta_{100\,\%}$	m
	[Nm]	[Nm]	[Nm]		[%]	[%]	[%]	[kg]
MHERAXX112-22V1C	26.2	52.4	57.6	0.83	86.5	87.4	87.0	33.0
MHERAXX132-12V1C	36.0	72.0	79.2	0.82	86.8	87.9	87.8	47.0
MHERAXX132-22V1C	49.1	98.2	108	0.83	88.0	89.2	89.0	60.0
MHERAXX160-22V1C	71.9	158	180	0.85	90.2	90.7	90.3	115
MHERAXX160-32V1C	98.1	216	245	0.86	90.8	91.4	91.0	135
MHERAXX180-22V1C	120	264	300	0.86	90.6	91.3	91.3	170
MHERAXX180-32V1C	143	315	358	0.86	90.9	91.8	91.8	184
MHERAXX200-32V1C	195	429	488	0.89	91.8	92.5	92.5	235
MHERAXX225-12V1C	239	526	598	0.87	93.2	94.0	93.9	290
MHERAXX225-22V1C	290	638	725	0.87	92.6	93.3	93.3	326

Rated data for 50 Hz

6-pole motors

	P_N	n_N	$U_{N,\Delta}$	$I_{N,\Delta}$	$U_{N,Y}$	$I_{N,Y}$	I_a/I_N
			± 10 %		± 10 %		
	[kW]	[r/min]	[V]	[A]	[V]	[A]	
MDERAXX063-13V1C	0.090	860	230	0.80	400	0.46	4.00
MDERAXX063-23V1C	0.12	860	230	0.99	400	0.57	4.00
MDERAXX071-13V1C	0.18	860	230	1.21	400	0.70	4.00
MDERAXX071-23V1C	0.25	860	230	1.56	400	0.90	4.00
MDERAXX080-23V1C	0.37	885	230	2.23	400	1.29	4.70
MDERAXX080-33V1C	0.55	885	230	3.08	400	1.78	4.70
MHERAXX090-13V1C	0.75	920	230	3.54	400	2.03	7.50
MHERAXX090-33V1C	1.10	920	230	5.04	400	2.90	7.50
MHERAXX100-33V1C	1.50	925	230	6.65	400	3.82	7.50
MHERAXX112-23V1C	2.20	925	230	9.38	400	5.39	7.50
MHERAXX132-13V1C	3.00	950	230	12.1	400	6.93	8.50
MHERAXX132-23V1C	4.00	950	400	8.98			9.00
MHERAXX132-33V1C	5.50	950	400	12.2			9.50

	M_N	M_a	M_b	cos ϕ	$\eta_{50\,\%}$	$\eta_{75\,\%}$	$\eta_{100\,\%}$	m
	[Nm]	[Nm]	[Nm]		[%]	[%]	[%]	[kg]
MDERAXX063-13V1C	1.00	1.90	2.00	0.59			48.0	4.50
MDERAXX063-23V1C	1.33	2.53	2.66	0.59			51.5	5.60
MDERAXX071-13V1C	2.00	3.80	4.00	0.66			56.0	6.40
MDERAXX071-23V1C	2.78	5.28	5.56	0.68			59.0	6.50
MDERAXX080-23V1C	3.99	7.98	8.38	0.67	56.4	61.2	62.0	12.0
MDERAXX080-33V1C	5.93	11.9	12.5	0.69	61.8	65.2	65.0	16.0
MHERAXX090-13V1C	7.78	17.1	17.9	0.70	73.9	76.4	76.0	15.0
MHERAXX090-33V1C	11.4	25.1	26.2	0.70	76.0	78.5	78.3	17.0
MHERAXX100-33V1C	15.5	31.0	34.1	0.71	79.9	81.0	79.8	22.0
MHERAXX112-23V1C	22.7	49.9	49.9	0.72	81.8	82.8	81.8	25.0
MHERAXX132-13V1C	30.2	69.5	69.5	0.75	81.6	83.4	83.3	34.0
MHERAXX132-23V1C	40.2	92.5	92.5	0.76	83.3	84.2	84.6	43.0
MHERAXX132-33V1C	55.3	133	133	0.76	84.7	86.1	86.0	52.0

Rated data for 60 Hz

2-pole motors

	P_N	n_N	$U_{N,\Delta}$	$I_{N,\Delta}$	$U_{N,Y}$	$I_{N,Y}$	I_a/I_N
			± 10 %		± 10 %		
	[kW]	[r/min]	[V]	[A]	[V]	[A]	
MDERAXX056-11V1C	0.10	3250	265	0.64	460	0.37	4.00
MDERAXX056-21V1C	0.14	3250	265	0.78	460	0.45	4.00
MDERAXX063-11V1C	0.21	3265	265	0.95	460	0.55	5.50
MDERAXX063-21V1C	0.29	3265	265	1.25	460	0.72	5.50
MDERAXX071-11V1C	0.43	3310	265	1.63	460	0.94	6.10
MDERAXX071-21V1C	0.63	3385	265	2.30	460	1.33	6.10
MHERAXX080-11V1C	0.86	3450	265	2.98	460	1.72	7.00
MHERAXX080-31V1C	1.27	3450	265	4.18	460	2.41	7.00
MHERAXX090-11V1C	1.73	3480	265	5.16	460	2.98	8.50
MHERAXX090-31V1C	2.53	3480	265	7.28	460	4.20	8.50
MHERAXX100-31V1C	3.45	3490	265	9.52	460	5.48	9.00
MHERAXX112-21V1C	4.60	3500	460	7.44			9.00
MHERAXX132-11V1C	6.33	3520	460	10.1			8.50
MHERAXX132-21V1C	8.63	3520	460	13.6			8.50

	M_N	M_a	M_b	cos ϕ	$\eta_{50\,\%}$	$\eta_{75\,\%}$	$\eta_{100\,\%}$	m
	[Nm]	[Nm]	[Nm]		[%]	[%]	[%]	[kg]
MDERAXX056-11V1C	0.31	0.58	0.64	0.70			50.0	3.20
MDERAXX056-21V1C	0.41	0.76	0.84	0.70			55.0	3.40
MDERAXX063-11V1C	0.62	1.39	1.39	0.73			65.0	3.90
MDERAXX063-21V1C	0.86	1.94	1.94	0.76			66.0	4.40
MDERAXX071-11V1C	1.25	2.82	2.82	0.81			70.0	6.20
MDERAXX071-21V1C	1.82	4.09	4.28	0.82			73.0	6.30
MHERAXX080-11V1C	2.39	6.23	6.47	0.78	76.3	79.0	80.6	11.0
MHERAXX080-31V1C	3.50	9.13	9.49	0.79	78.3	81.0	82.4	13.0
MHERAXX090-11V1C	4.73	10.9	12.4	0.88	81.5	83.2	83.9	16.0
MHERAXX090-31V1C	6.94	15.9	18.1	0.89	83.4	84.7	85.0	19.0
MHERAXX100-31V1C	9.47	21.7	24.7	0.90	85.0	86.0	86.5	24.0
MHERAXX112-21V1C	12.6	28.8	32.8	0.89	86.0	87.0	87.2	28.0
MHERAXX132-11V1C	17.1	39.4	44.8	0.89	86.0	87.5	88.1	40.0
MHERAXX132-21V1C	23.4	53.7	61.0	0.89	87.6	88.8	89.0	43.0

► The nameplate only gives rated data for operation at 50 Hz.

Rated data for 60 Hz

4-pole motors

	P_N	n_N	$U_{N,\Delta}$	$I_{N,\Delta}$	$U_{N,Y}$	$I_{N,Y}$	I_a/I_N
			± 10 %		± 10 %		
	[kW]	[r/min]	[V]	[A]	[V]	[A]	
MDERAXX056-12V1C	0.070	1595	265	0.47	460	0.27	4.00
MDERAXX056-22V1C	0.10	1595	265	0.62	460	0.36	4.00
MDERAXX063-12V1C	0.14	1605	265	0.73	460	0.42	4.40
MDERAXX063-32V1C	0.21	1605	265	1.06	460	0.61	4.40
MDERAXX071-12V1C	0.29	1610	265	1.30	460	0.75	5.20
MDERAXX071-32V1C	0.43	1605	265	1.84	460	1.06	5.20
MDERAXX071-42V1C	0.63	1665	265	2.58	460	1.49	5.30
MDERAXX080-12V1C	0.63	1730	265	2.38	460	1.37	8.80
MHERAXX080-32V1C	0.86	1730	265	3.14	460	1.81	8.80
MHERAXX090-12V1C	1.27	1750	265	4.17	460	2.40	8.80
MHERAXX090-32V1C	1.73	1750	265	5.75	460	3.31	8.50
MHERAXX100-12V1C	2.53	1750	265	8.20	460	4.72	9.00
MHERAXX100-32V1C	3.45	1750	265	11.0	460	6.35	9.00

	M_N	M_a	M_b	cos ϕ	$\eta_{50\,\%}$	$\eta_{75\,\%}$	$\eta_{100\,\%}$	m
	[Nm]	[Nm]	[Nm]		[%]	[%]	[%]	[kg]
MDERAXX056-12V1C	0.41	0.60	0.86	0.65			50.0	3.20
MDERAXX056-22V1C	0.62	1.17	1.30	0.73			50.0	3.40
MDERAXX063-12V1C	0.82	1.55	1.72	0.72			57.0	4.00
MDERAXX063-32V1C	1.23	2.30	2.56	0.73			58.0	4.50
MDERAXX071-12V1C	1.70	3.72	3.89	0.74			65.0	6.10
MDERAXX071-32V1C	2.53	5.54	5.81	0.75			67.0	6.70
MDERAXX071-42V1C	3.62	8.32	9.45	0.75			71.0	9.20
MDERAXX080-12V1C	3.54	8.49	9.23	0.73			78.6	12.0
MHERAXX080-32V1C	4.82	11.6	12.6	0.73	75.6	78.8	81.0	14.0
MHERAXX090-12V1C	6.94	16.7	18.1	0.79	78.6	81.0	82.6	17.0
MHERAXX090-32V1C	9.47	22.7	24.7	0.79	80.0	82.4	84.0	20.0
MHERAXX100-12V1C	14.0	33.6	36.5	0.78	82.0	84.0	85.2	25.0
MHERAXX100-32V1C	19.1	45.8	49.8	0.78	84.0	85.6	86.2	29.0

► The nameplate only gives rated data for operation at 50 Hz.

Rated data for 60 Hz

4-pole motors

	P_N	n_N	$U_{N,\Delta}$	$I_{N,\Delta}$	$U_{N,Y}$	$I_{N,Y}$	I_a/I_N
			± 10 %		± 10 %		
	[kW]	[r/min]	[V]	[A]	[V]	[A]	
MHERAXX112-22V1C	4.60	1750	460	7.92			8.80
MHERAXX132-12V1C	6.33	1760	460	10.9			8.50
MHERAXX132-22V1C	8.63	1760	460	14.5			8.20
MHERAXX160-22V1C	12.7	1750	460	20.5			7.00
MHERAXX160-32V1C	17.3	1750	460	27.8			7.50
MHERAXX180-22V1C	21.3	1960	460	33.7			7.50
MHERAXX180-32V1C	25.3	1760	460	39.9			7.50
MHERAXX200-32V1C	34.5	1760	460	52.2			7.20
MHERAXX225-12V1C	42.5	1775	460	65.6			7.20
MHERAXX225-22V1C	51.8	1775	460	79.3			7.20

	M_N	M_a	M_b	cos ϕ	$\eta_{50\,\%}$	$\eta_{75\,\%}$	$\eta_{100\,\%}$	m
	[Nm]	[Nm]	[Nm]		[%]	[%]	[%]	[kg]
MHERAXX112-22V1C	25.1	52.4	57.6	0.83	86.5	87.4	87.8	33.0
MHERAXX132-12V1C	34.5	72.0	79.2	0.82	86.8	87.9	88.6	47.0
MHERAXX132-22V1C	47.0	98.2	108	0.83	88.0	89.2	89.4	60.0
MHERAXX160-22V1C	68.9	158	180	0.85	90.2	90.7	90.3	115
MHERAXX160-32V1C	94.0	216	245	0.86	90.8	91.4	91.0	135
MHERAXX180-22V1C	115	264	300	0.86	90.6	91.3	91.3	170
MHERAXX180-32V1C	137	315	358	0.86	90.9	91.8	91.8	184
MHERAXX200-32V1C	187	429	488	0.89	91.8	92.5	92.5	235
MHERAXX225-12V1C	229	526	598	0.87	93.2	94.0	93.9	290
MHERAXX225-22V1C	278	638	725	0.87	92.6	93.3	93.3	326

► The nameplate only gives rated data for operation at 50 Hz.

Rated data for 60 Hz

6-pole motors

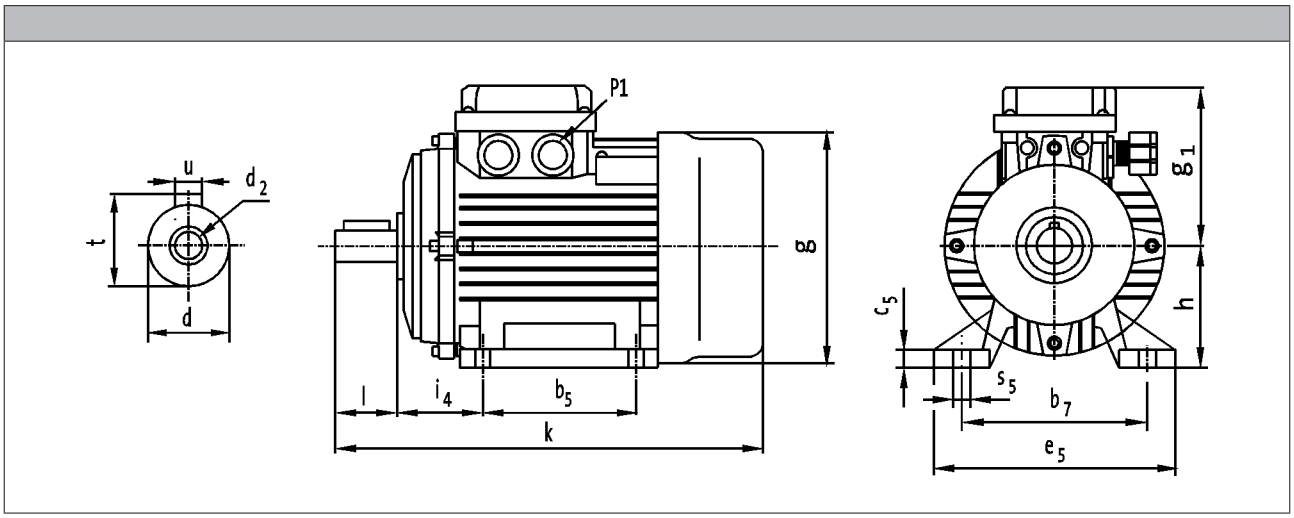
	P_N	n_N	$U_{N,\Delta}$	$I_{N,\Delta}$	$U_{N,Y}$	$I_{N,Y}$	I_a/I_N
			± 10 %		± 10 %		
	[kW]	[r/min]	[V]	[A]	[V]	[A]	
MDERAXX063-13V1C	0.10	1030	265	0.80	460	0.46	4.00
MDERAXX063-23V1C	0.14	1030	265	0.99	460	0.57	4.00
MDERAXX071-13V1C	0.21	1030	265	1.22	460	0.70	4.00
MDERAXX071-23V1C	0.29	1030	265	1.56	460	0.90	4.00
MDERAXX080-23V1C	0.43	1060	265	2.23	460	1.29	4.70
MDERAXX080-33V1C	0.63	1060	265	3.07	460	1.78	4.70
MHERAXX090-13V1C	0.86	1150	265	3.42	460	1.97	7.50
MHERAXX090-33V1C	1.27	1150	265	4.84	460	2.79	7.50
MHERAXX100-33V1C	1.73	1140	265	6.59	460	3.80	7.50
MHERAXX112-23V1C	2.53	1155	265	9.05	460	5.21	7.50
MHERAXX132-13V1C	3.45	1170	265	11.6	460	6.70	8.50
MHERAXX132-23V1C	4.60	1170	460	8.79			9.00
MHERAXX132-33V1C	6.33	1175	460	11.8			9.50

	M_N	M_a	M_b	cos ϕ	$\eta_{50\,\%}$	$\eta_{75\,\%}$	$\eta_{100\,\%}$	m
	[Nm]	[Nm]	[Nm]		[%]	[%]	[%]	[kg]
MDERAXX063-13V1C	0.98	1.90	2.00	0.59			48.0	4.50
MDERAXX063-23V1C	1.30	2.53	2.66	0.59			51.5	5.60
MDERAXX071-13V1C	1.96	3.80	4.00	0.66			56.0	6.40
MDERAXX071-23V1C	2.72	5.28	5.56	0.68			59.0	6.50
MDERAXX080-23V1C	3.82	7.98	8.38	0.67			62.0	12.0
MDERAXX080-33V1C	5.68	11.9	12.5	0.69			65.0	16.0
MHERAXX090-13V1C	7.46	17.1	17.9	0.70	73.9	76.4	78.0	15.0
MHERAXX090-33V1C	10.9	25.1	26.2	0.70	76.0	78.5	80.1	17.0
MHERAXX100-33V1C	14.8	31.0	34.1	0.71	79.9	81.0	81.2	22.0
MHERAXX112-23V1C	21.8	49.9	49.9	0.72	81.8	82.8	83.3	25.0
MHERAXX132-13V1C	28.9	69.5	69.5	0.75	81.6	83.4	84.4	34.0
MHERAXX132-23V1C	38.5	92.5	92.5	0.76	83.3	84.2	85.5	43.0
MHERAXX132-33V1C	53.0	133	133	0.76	84.7	86.1	86.9	52.0

► The nameplate only gives rated data for operation at 50 Hz.

Dimensions, self-ventilated (2-pole)

Design B3



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MDERAXX056-11V1C	183	110	96	2x M16x1.5
MDERAXX056-21V1C				
MDERAXX063-11V1C	218	122	99	
MDERAXX063-21V1C				
MDERAXX071-11V1C	251	138	109	2x M20x1.5
MDERAXX071-21V1C				
MHERAXX080-11V1C	315	160	150	2x M24×1.5
MHERAXX080-31V1C				
MHERAXX090-11V1C	320	185	160	
MHERAXX090-31V1C	335			
MHERAXX100-31V1C	390	205	175	
MHERAXX112-21V1C	400	230	185	
MHERAXX132-11V1C	445	265	200	2x M32×1.5
MHERAXX132-21V1C	485			

5.9

Dimensions, self-ventilated (2-pole)

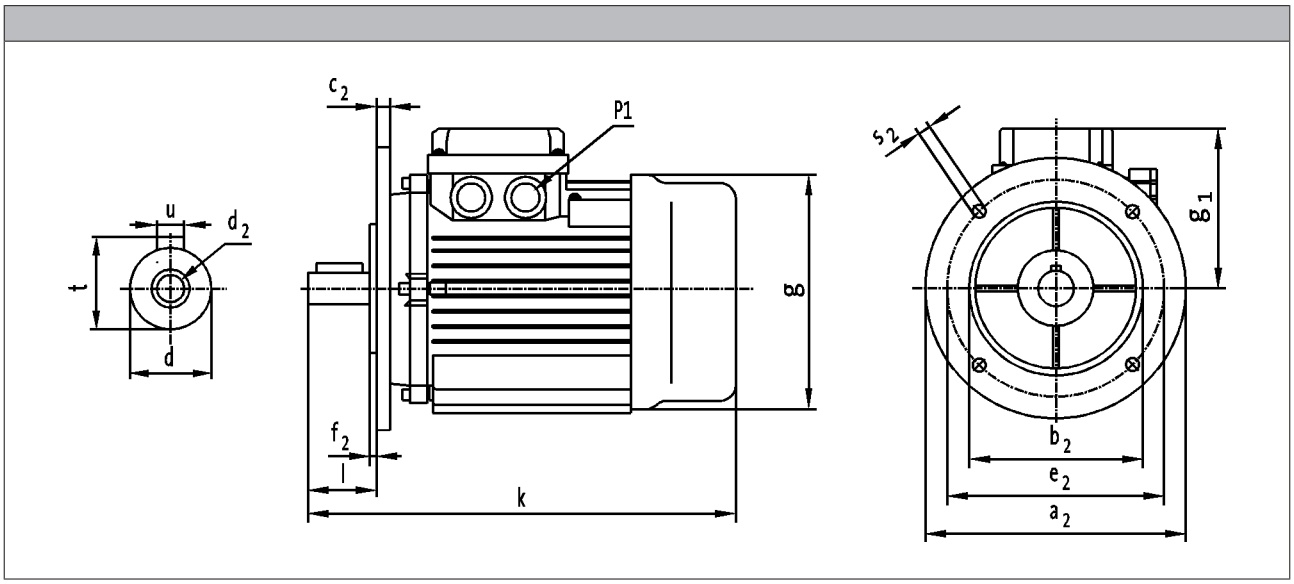
Design B3

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-11V1C	9	M4x10	20	10.2	3.0
MDERAXX056-21V1C					
MDERAXX063-11V1C	11		23	12.5	4.0
MDERAXX063-21V1C					
MDERAXX071-11V1C	14	M5x12	30	16.0	5.0
MDERAXX071-21V1C					
MHERAXX080-11V1C	19	M6x16	40	21.5	6.0
MHERAXX080-31V1C					
MHERAXX090-11V1C	24	M8x20	50	27.0	8.0
MHERAXX090-31V1C					
MHERAXX100-31V1C	28	M10x22	60	31.0	
MHERAXX112-21V1C					
MHERAXX132-11V1C	38	M12x28	80	41.0	10.0
MHERAXX132-21V1C					

	b_7	i_4	b_5	e_5	h	c_5	s_5
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-11V1C	90	36	71	110	56	9	7.0
MDERAXX056-21V1C							
MDERAXX063-11V1C	100	40	80	122	63		
MDERAXX063-21V1C							
MDERAXX071-11V1C	112	45	90	136	71	10	
MDERAXX071-21V1C							
MHERAXX080-11V1C	125	50	100	165	80	12	10.0
MHERAXX080-31V1C							
MHERAXX090-11V1C	140	56		190	90		
MHERAXX090-31V1C			125				
MHERAXX100-31V1C	160	63	140	210	100	14	12.0
MHERAXX112-21V1C	190	70		240	112	15	
MHERAXX132-11V1C	216	89		275	132	18	
MHERAXX132-21V1C							

Dimensions, self-ventilated (2-pole)

Design B5



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MDERAXX056-11V1C	183	110	96	2x M16x1.5
MDERAXX056-21V1C				
MDERAXX063-11V1C	218	122	99	
MDERAXX063-21V1C				
MDERAXX071-11V1C	251	138	109	2x M20x1.5
MDERAXX071-21V1C				
MHERAXX080-11V1C	315	160	150	2x M24×1.5
MHERAXX080-31V1C				
MHERAXX090-11V1C	320	185	160	
MHERAXX090-31V1C	335			
MHERAXX100-31V1C	390	205	175	
MHERAXX112-21V1C	400	230	185	
MHERAXX132-11V1C	445	265	200	2x M32×1.5
MHERAXX132-21V1C	485			

Dimensions, self-ventilated (2-pole)

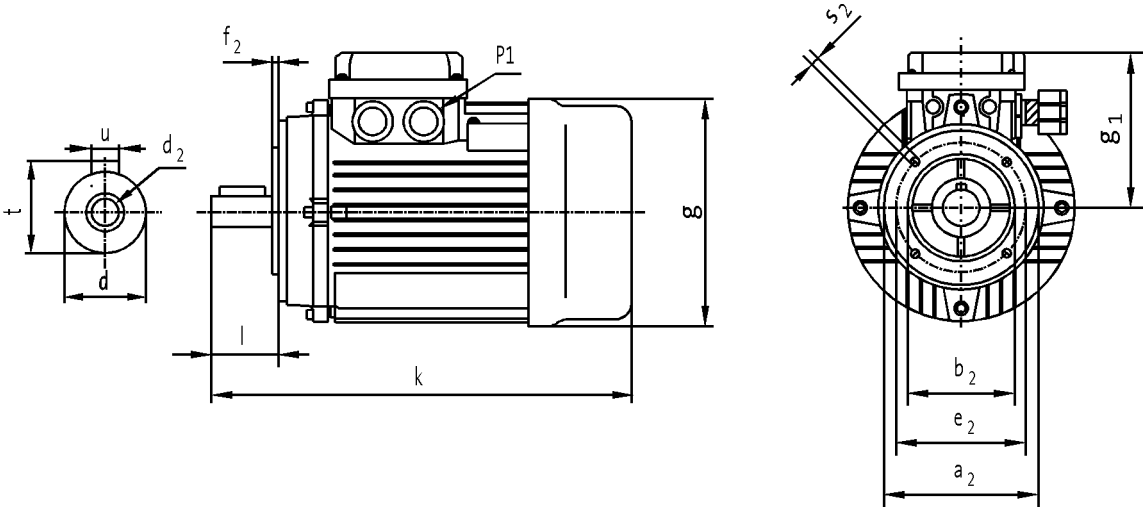
Design B5

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-11V1C	9	M4x10	20	10.2	3.0
MDERAXX056-21V1C					
MDERAXX063-11V1C	11		23	12.5	4.0
MDERAXX063-21V1C					
MDERAXX071-11V1C	14	M5x12	30	16.0	5.0
MDERAXX071-21V1C					
MHERAXX080-11V1C	19	M6x16	40	21.5	6.0
MHERAXX080-31V1C					
MHERAXX090-11V1C	24	M8x20	50	27.0	8.0
MHERAXX090-31V1C					
MHERAXX100-31V1C	28	M10x22	60	31.0	
MHERAXX112-21V1C					
MHERAXX132-11V1C	38	M12x28	80	41.0	10.0
MHERAXX132-21V1C					

	a_2	b_2	c_2	e_2	f_2	s_2
		j6				
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-11V1C	120	80	9	100	3.0	7.0
MDERAXX056-21V1C						
MDERAXX063-11V1C	140	95	10	115		9.0
MDERAXX063-21V1C						
MDERAXX071-11V1C	160	110		130	3.5	
MDERAXX071-21V1C						
MHERAXX080-11V1C	200	130	12	165		12.0
MHERAXX080-31V1C						
MHERAXX090-11V1C						
MHERAXX090-31V1C						
MHERAXX100-31V1C	250	180	13	215	4.0	15.0
MHERAXX112-21V1C			14			
MHERAXX132-11V1C	300	230		265		
MHERAXX132-21V1C						

Dimensions, self-ventilated (2-pole)

Design B14



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MDERAXX056-11V1C	183	110	96	2x M16x1.5
MDERAXX056-21V1C				
MDERAXX063-11V1C	218	122	99	
MDERAXX063-21V1C				
MDERAXX071-11V1C	251	138	109	2x M20x1.5
MDERAXX071-21V1C				
MHERAXX080-11V1C	315	160	150	2x M24×1.5
MHERAXX080-31V1C				
MHERAXX090-11V1C	320	185	160	
MHERAXX090-31V1C	335			
MHERAXX100-31V1C	390	205	175	
MHERAXX112-21V1C	400	230	185	
MHERAXX132-11V1C	445	265	200	2x M32×1.5
MHERAXX132-21V1C	485			

Dimensions, self-ventilated (2-pole)

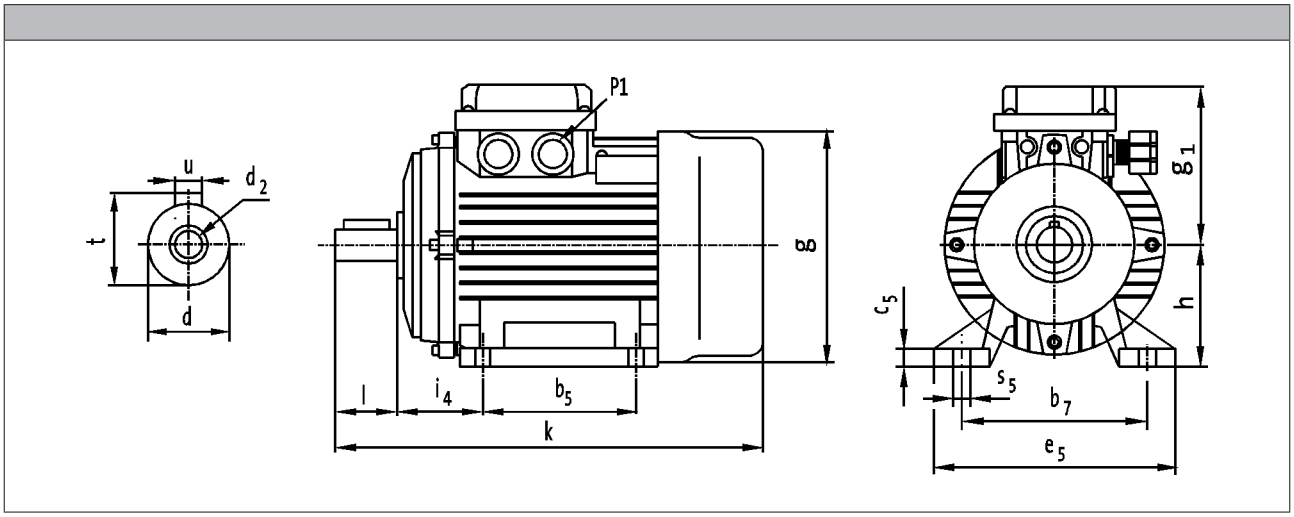
Design B14

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-11V1C	9	M4x10	20	10.2	3.0
MDERAXX056-21V1C					
MDERAXX063-11V1C	11		23	12.5	4.0
MDERAXX063-21V1C					
MDERAXX071-11V1C	14	M5x12	30	16.0	5.0
MDERAXX071-21V1C					
MHERAXX080-11V1C	19	M6x16	40	21.5	6.0
MHERAXX080-31V1C					
MHERAXX090-11V1C	24	M8x20	50	27.0	8.0
MHERAXX090-31V1C					
MHERAXX100-31V1C	28	M10x22	60	31.0	
MHERAXX112-21V1C					
MHERAXX132-11V1C	38	M12x28	80	41.0	10.0
MHERAXX132-21V1C					

	a_2	b_2	e_2	f_2	s_2
		j6			
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-11V1C	80	50	65	3.0	8x M5x11
MDERAXX056-21V1C					
MDERAXX063-11V1C	90	60	75		8x M5x14
MDERAXX063-21V1C					
MDERAXX071-11V1C	105	70	85	3.5	8x M6x14
MDERAXX071-21V1C					
MHERAXX080-11V1C	120	80	100	3.0	8x M6x15
MHERAXX080-31V1C					
MHERAXX090-11V1C	140	95	115		8x M8x16
MHERAXX090-31V1C					
MHERAXX100-31V1C	160	110	130	3.5	8x M8x18
MHERAXX112-21V1C					8x M8x19
MHERAXX132-11V1C	200	130	165	4.0	8x M10x23
MHERAXX132-21V1C					

Dimensions, self-ventilated (4-pole)

Design B3



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MDERAXX056-12V1C	189	110	96	2x M16x1.5
MDERAXX056-22V1C				
MDERAXX063-12V1C	218	122	99	
MDERAXX063-32V1C				
MDERAXX071-12V1C	251	138	109	2x M20x1.5
MDERAXX071-32V1C				
MDERAXX071-42V1C				
MDERAXX080-12V1C	315	160	150	2x M24×1.5
MHERAXX080-32V1C				
MHERAXX090-12V1C	320	185	160	
MHERAXX090-32V1C	335			
MHERAXX100-12V1C	390	205	175	
MHERAXX100-32V1C				

Dimensions, self-ventilated (4-pole)

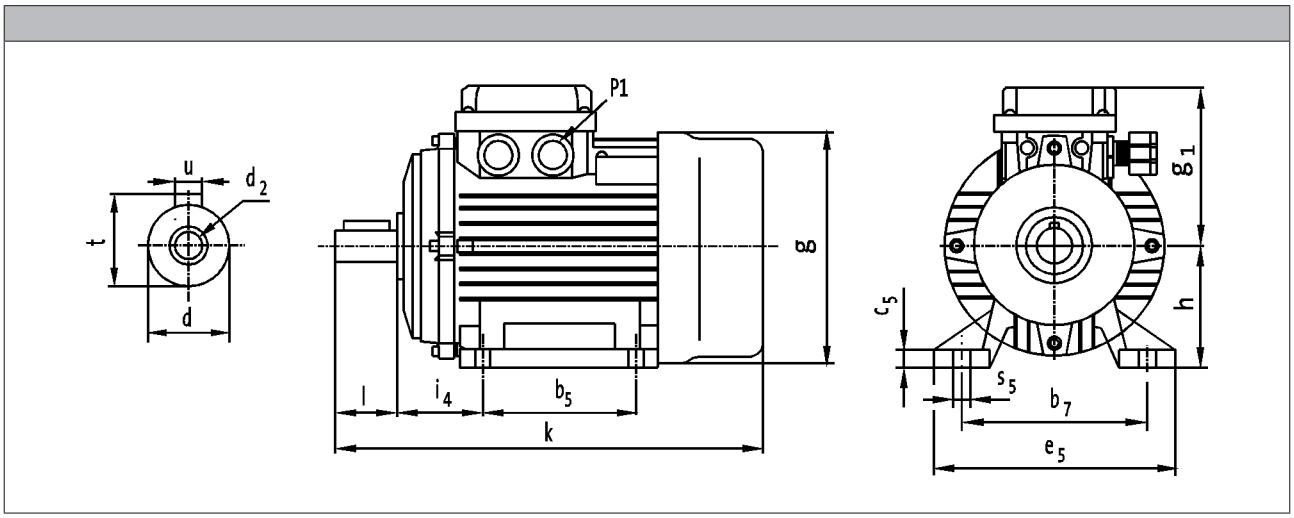
Design B3

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-12V1C	9	M4x10	20	10.2	3.0
MDERAXX056-22V1C					
MDERAXX063-12V1C	11		23	12.5	4.0
MDERAXX063-32V1C					
MDERAXX071-12V1C	14	M5x12	30	16.0	5.0
MDERAXX071-32V1C					
MDERAXX071-42V1C					
MDERAXX080-12V1C	19	M6x16	40	21.5	6.0
MHERAXX080-32V1C					
MHERAXX090-12V1C	24	M8x20	50	27.0	8.0
MHERAXX090-32V1C					
MHERAXX100-12V1C	28	M10x22	60	31.0	
MHERAXX100-32V1C					

	b_7	i_4	b_5	e_5	h	c_5	s_5
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-12V1C	90	36	71	110	56	9	7.0
MDERAXX056-22V1C							
MDERAXX063-12V1C	100	40	80	122	63		
MDERAXX063-32V1C							
MDERAXX071-12V1C	112	45	90	136	71	10	
MDERAXX071-32V1C							
MDERAXX071-42V1C							
MDERAXX080-12V1C	125	50	100	165	80	12	10.0
MHERAXX080-32V1C							
MHERAXX090-12V1C	140	56		190	90		
MHERAXX090-32V1C			125				
MHERAXX100-12V1C	160	63	140	210	100	14	12.0
MHERAXX100-32V1C							

Dimensions, self-ventilated (4-pole)

Design B3



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MHERAXX112-22V1C	400	230	185	2x M24×1.5
MHERAXX132-12V1C	445	265	200	2x M32×1.5
MHERAXX132-22V1C				
MHERAXX160-22V1C	605	315	249	2x M40×1.5
MHERAXX160-32V1C	649			
MHERAXX180-22V1C	684	360	265	
MHERAXX180-32V1C	722			
MHERAXX200-32V1C	774	400	292	2x M50×1.5
MHERAXX225-12V1C	821	450	315	
MHERAXX225-22V1C	845			

5.9

Dimensions, self-ventilated (4-pole)

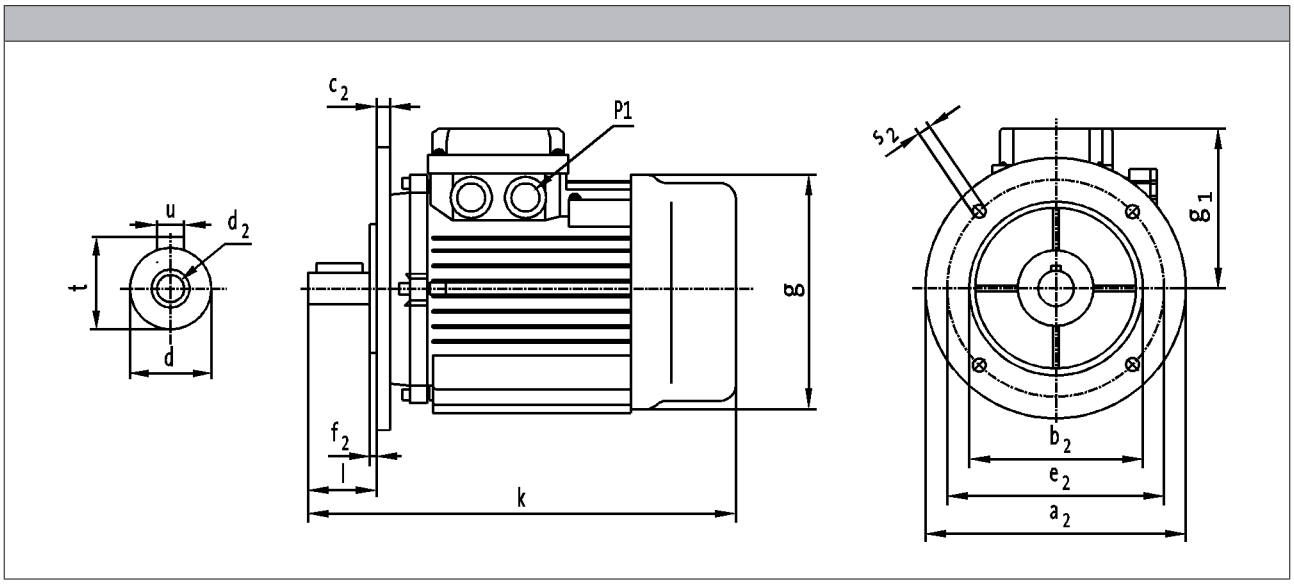
Design B3

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MHERAXX112-22V1C	28	M10x22	60	31.0	8.0
MHERAXX132-12V1C	38	M12x28	80	41.0	10.0
MHERAXX132-22V1C					
MHERAXX160-22V1C	42	M16x36	110	45.0	12.0
MHERAXX160-32V1C					
MHERAXX180-22V1C	48			51.5	14.0
MHERAXX180-32V1C					
MHERAXX200-32V1C	55	M20x42		59.0	16.0
MHERAXX225-12V1C	60		140	64.0	18.0
MHERAXX225-22V1C					

	b_7	i_4	b_5	e_5	h	c_5	s_5
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
MHERAXX112-22V1C	190	70	140	240	112	15	12.0
MHERAXX132-12V1C	216	89		275	132	18	
MHERAXX132-22V1C			178				
MHERAXX160-22V1C	254	108	210	315	160	20	15.0
MHERAXX160-32V1C			254				
MHERAXX180-22V1C	279	121	241	350	180	22	
MHERAXX180-32V1C			279				
MHERAXX200-32V1C	318	133	305	388	200	25	19.0
MHERAXX225-12V1C	356	149	286	435	225	28	
MHERAXX225-22V1C			311				

Dimensions, self-ventilated (4-pole)

Design B5



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MDERAXX056-12V1C	189	110	96	2x M16x1.5
MDERAXX056-22V1C				
MDERAXX063-12V1C	218	122	99	
MDERAXX063-32V1C				
MDERAXX071-12V1C	251	138	109	2x M20x1.5
MDERAXX071-32V1C				
MDERAXX071-42V1C				
MDERAXX080-12V1C	315	160	150	2x M24×1.5
MHERAXX080-32V1C				
MHERAXX090-12V1C	320	185	160	
MHERAXX090-32V1C	335			
MHERAXX100-12V1C	390	205	175	
MHERAXX100-32V1C				

Dimensions, self-ventilated (4-pole)

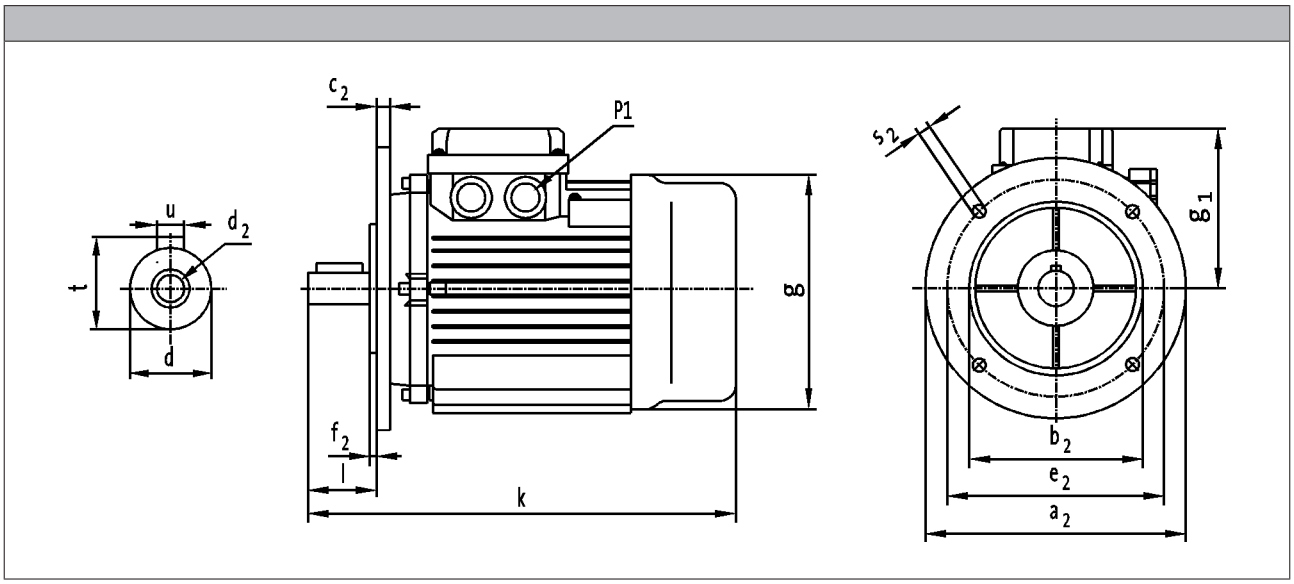
Design B5

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-12V1C	9	M4x10	20	10.2	3.0
MDERAXX056-22V1C					
MDERAXX063-12V1C	11		23	12.5	4.0
MDERAXX063-32V1C					
MDERAXX071-12V1C	14	M5x12	30	16.0	5.0
MDERAXX071-32V1C					
MDERAXX071-42V1C					
MDERAXX080-12V1C	19	M6x16	40	21.5	6.0
MHERAXX080-32V1C					
MHERAXX090-12V1C	24	M8x20	50	27.0	8.0
MHERAXX090-32V1C					
MHERAXX100-12V1C	28	M10x22	60	31.0	
MHERAXX100-32V1C					

	a_2	b_2	c_2	e_2	f_2	s_2
		j6				
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-12V1C	120	80	9	100	3.0	7.0
MDERAXX056-22V1C						
MDERAXX063-12V1C	140	95	10	115		9.0
MDERAXX063-32V1C						
MDERAXX071-12V1C	160	110		130	3.5	
MDERAXX071-32V1C						
MDERAXX071-42V1C						
MDERAXX080-12V1C	200	130	12	165		12.0
MHERAXX080-32V1C						
MHERAXX090-12V1C						
MHERAXX090-32V1C						
MHERAXX100-12V1C	250	180	13	215	4.0	15.0
MHERAXX100-32V1C						

Dimensions, self-ventilated (4-pole)

Design B5



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MHERAXX112-22V1C	400	230	185	2x M24×1.5
MHERAXX132-12V1C	445	265	200	2x M32×1.5
MHERAXX132-22V1C				
MHERAXX160-22V1C	605	315	249	2x M40×1.5
MHERAXX160-32V1C	649			
MHERAXX180-22V1C	684	360	265	
MHERAXX180-32V1C	722			
MHERAXX200-32V1C	774	400	292	2x M50×1.5
MHERAXX225-12V1C	821	450	315	
MHERAXX225-22V1C	845			

Dimensions, self-ventilated (4-pole)

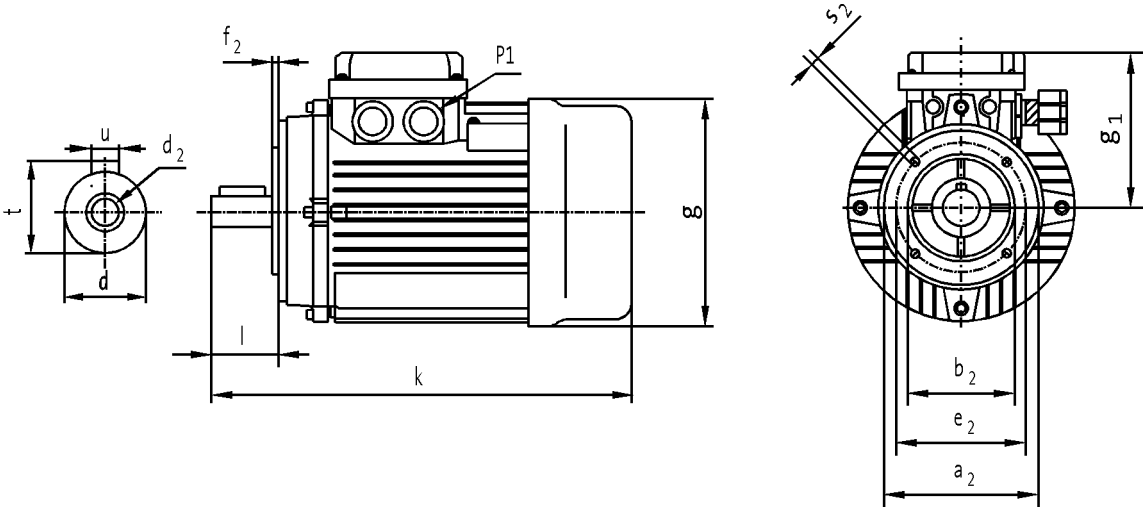
Design B5

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MHERAXX112-22V1C	28	M10x22	60	31.0	8.0
MHERAXX132-12V1C	38	M12x28	80	41.0	10.0
MHERAXX132-22V1C					
MHERAXX160-22V1C	42	M16x36	110	45.0	12.0
MHERAXX160-32V1C					
MHERAXX180-22V1C	48			51.5	14.0
MHERAXX180-32V1C					
MHERAXX200-32V1C	55	M20x42		59.0	16.0
MHERAXX225-12V1C	60		140	64.0	18.0
MHERAXX225-22V1C					

	a_2	b_2	c_2	e_2	f_2	s_2
		j6				
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
MHERAXX112-22V1C	250	180	14	215	4.0	15.0
MHERAXX132-12V1C	300	230		265		
MHERAXX132-22V1C						
MHERAXX160-22V1C	350	250	15	300	5.0	19.0
MHERAXX160-32V1C						
MHERAXX180-22V1C						
MHERAXX180-32V1C						
MHERAXX200-32V1C	400	300	17	350		
MHERAXX225-12V1C	450	350	20	400		
MHERAXX225-22V1C						

Dimensions, self-ventilated (4-pole)

Design B14



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MDERAXX056-12V1C	189	110	96	2x M16x1.5
MDERAXX056-22V1C				
MDERAXX063-12V1C	218	122	99	
MDERAXX063-32V1C				
MDERAXX071-12V1C	251	138	109	2x M20x1.5
MDERAXX071-32V1C				
MDERAXX071-42V1C				
MDERAXX080-12V1C	315	160	150	2x M24×1.5
MHERAXX080-32V1C				
MHERAXX090-12V1C	320	185	160	
MHERAXX090-32V1C	335			
MHERAXX100-12V1C	390	205	175	
MHERAXX100-32V1C				
MHERAXX112-22V1C	400	230	185	
MHERAXX132-12V1C	445	265	200	2x M32×1.5
MHERAXX132-22V1C				

Dimensions, self-ventilated (4-pole)

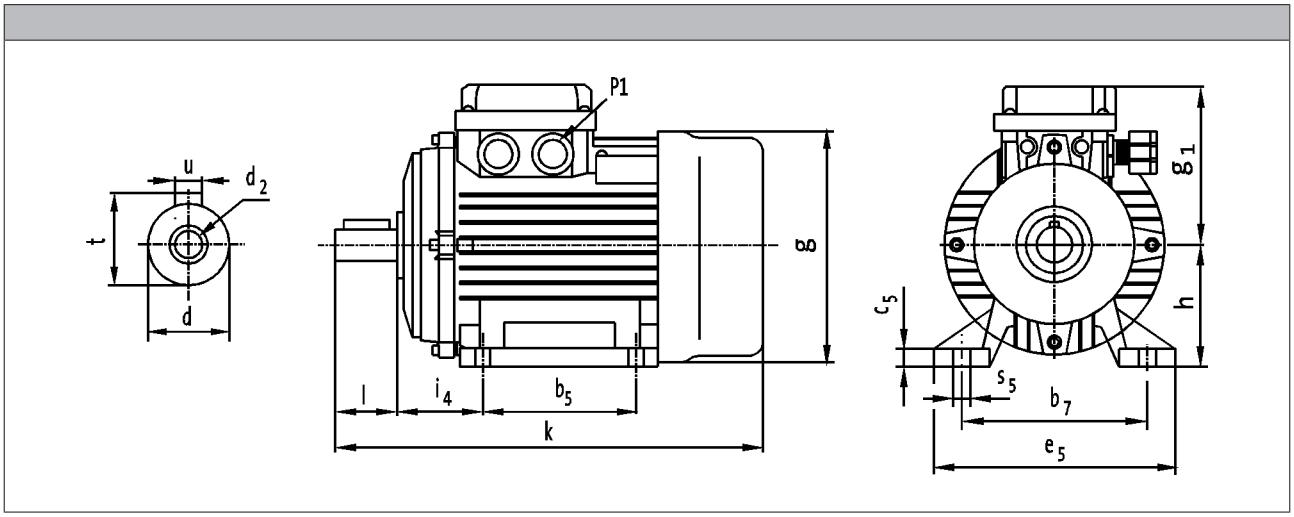
Design B14

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-12V1C	9	M4x10	20	10.2	3.0
MDERAXX056-22V1C					
MDERAXX063-12V1C	11		23	12.5	4.0
MDERAXX063-32V1C					
MDERAXX071-12V1C	14	M5x12	30	16.0	5.0
MDERAXX071-32V1C					
MDERAXX071-42V1C					
MDERAXX080-12V1C	19	M6x16	40	21.5	6.0
MHERAXX080-32V1C					
MHERAXX090-12V1C	24	M8x20	50	27.0	8.0
MHERAXX090-32V1C					
MHERAXX100-12V1C	28	M10x22	60	31.0	
MHERAXX100-32V1C					
MHERAXX112-22V1C					
MHERAXX132-12V1C	38	M12x28	80	41.0	10.0
MHERAXX132-22V1C					

	a_2	b_2	e_2	f_2	s_2
		j6			
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX056-12V1C	80	50	65	3.0	8x M5x11
MDERAXX056-22V1C					
MDERAXX063-12V1C	90	60	75		8x M5x14
MDERAXX063-32V1C					
MDERAXX071-12V1C	105	70	85	3.5	8x M6x14
MDERAXX071-32V1C					
MDERAXX071-42V1C					
MDERAXX080-12V1C	120	80	100	3.0	8x M6x16
MHERAXX080-32V1C					8x M6x15
MHERAXX090-12V1C	140	95	115		8x M8x16
MHERAXX090-32V1C					
MHERAXX100-12V1C	160	110	130	3.5	8x M8x18
MHERAXX100-32V1C					
MHERAXX112-22V1C					8x M8x19
MHERAXX132-12V1C	200	130	165	4.0	8x M10x23
MHERAXX132-22V1C					

Dimensions, self-ventilated (6-pole)

Design B3



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MDERAXX063-13V1C	218	122	99	2x M16x1.5
MDERAXX063-23V1C				
MDERAXX071-13V1C	251	138	109	2x M20x1.5
MDERAXX071-23V1C				
MDERAXX080-23V1C	286	157	112	2x M24×1.5
MDERAXX080-33V1C				
MHERAXX090-13V1C	320	185	160	
MHERAXX090-33V1C	335			
MHERAXX100-33V1C	390	205	175	
MHERAXX112-23V1C	400	230	185	
MHERAXX132-13V1C	445	265	200	2x M32×1.5
MHERAXX132-23V1C	485			
MHERAXX132-33V1C				

Dimensions, self-ventilated (6-pole)

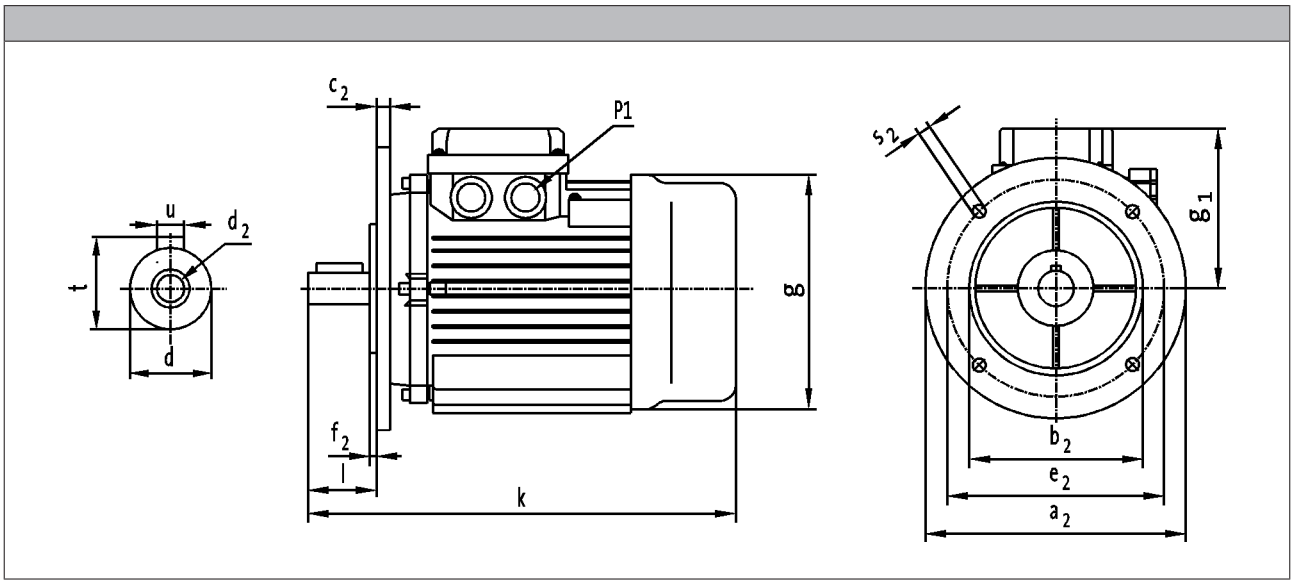
Design B3

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX063-13V1C	11	M4x10	23	12.5	4.0
MDERAXX063-23V1C					
MDERAXX071-13V1C	14	M5x12	30	16.0	5.0
MDERAXX071-23V1C					
MDERAXX080-23V1C	19	M6x16	40	21.5	6.0
MDERAXX080-33V1C					
MHERAXX090-13V1C	24	M8x20	50	27.0	8.0
MHERAXX090-33V1C					
MHERAXX100-33V1C	28	M10x22	60	31.0	
MHERAXX112-23V1C					
MHERAXX132-13V1C	38	M12x28	80	41.0	10.0
MHERAXX132-23V1C					
MHERAXX132-33V1C					

	b_7	i_4	b_5	e_5	h	c_5	s_5
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX063-13V1C	100	40	80	122	63	9	7.0
MDERAXX063-23V1C							
MDERAXX071-13V1C	112	45	90	136	71	10	
MDERAXX071-23V1C							
MDERAXX080-23V1C	125	50	100	154	80	12	10.0
MDERAXX080-33V1C							
MHERAXX090-13V1C	140	56		190	90		
MHERAXX090-33V1C			125				
MHERAXX100-33V1C	160	63	140	210	100	14	12.0
MHERAXX112-23V1C	190	70		240	112	15	
MHERAXX132-13V1C	216	89		275	132	18	
MHERAXX132-23V1C			178				
MHERAXX132-33V1C							

Dimensions, self-ventilated (6-pole)

Design B5



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MDERAXX063-13V1C	218	122	99	2x M16x1.5
MDERAXX063-23V1C				
MDERAXX071-13V1C	251	138	109	2x M20x1.5
MDERAXX071-23V1C				
MDERAXX080-23V1C	286	157	112	2x M24×1.5
MDERAXX080-33V1C				
MHERAXX090-13V1C	320	185	160	
MHERAXX090-33V1C	335			
MHERAXX100-33V1C	390	205	175	
MHERAXX112-23V1C	400	230	185	
MHERAXX132-13V1C	445	265	200	2x M32×1.5
MHERAXX132-23V1C	485			
MHERAXX132-33V1C				

Dimensions, self-ventilated (6-pole)

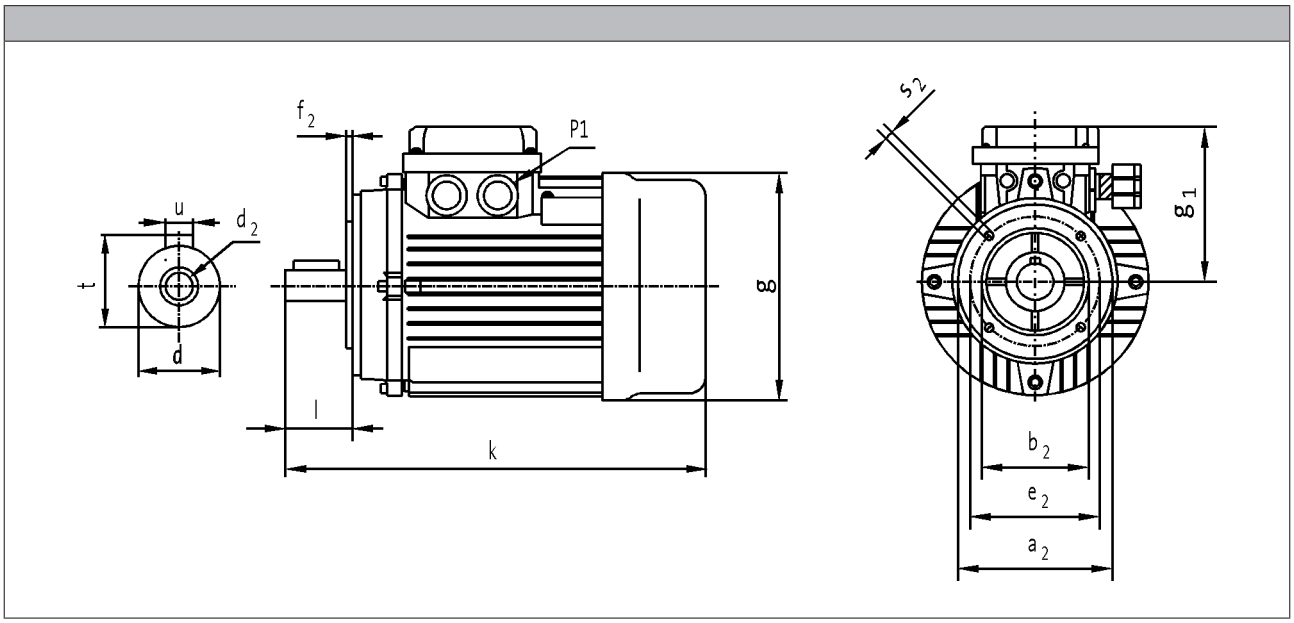
Design B5

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX063-13V1C	11	M4x10	23	12.5	4.0
MDERAXX063-23V1C					
MDERAXX071-13V1C	14	M5x12	30	16.0	5.0
MDERAXX071-23V1C					
MDERAXX080-23V1C	19	M6x16	40	21.5	6.0
MDERAXX080-33V1C					
MHERAXX090-13V1C	24	M8x20	50	27.0	8.0
MHERAXX090-33V1C					
MHERAXX100-33V1C	28	M10x22	60	31.0	
MHERAXX112-23V1C					
MHERAXX132-13V1C	38	M12x28	80	41.0	10.0
MHERAXX132-23V1C					
MHERAXX132-33V1C					

	a_2	b_2	c_2	e_2	f_2	s_2
		j6				
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX063-13V1C	140	95	10	115	3.0	9.0
MDERAXX063-23V1C						
MDERAXX071-13V1C	160	110		130	3.5	
MDERAXX071-23V1C						
MDERAXX080-23V1C	200	130	12	165		12.0
MDERAXX080-33V1C						
MHERAXX090-13V1C						
MHERAXX090-33V1C						
MHERAXX100-33V1C	250	180	13	215	4.0	15.0
MHERAXX112-23V1C			14			
MHERAXX132-13V1C	300	230		265		
MHERAXX132-23V1C						
MHERAXX132-33V1C						

Dimensions, self-ventilated (6-pole)

Design B14



	k	g	g_1	P_1
	[mm]	[mm]	[mm]	[mm]
MDERAXX063-13V1C	218	122	99	2x M16x1.5
MDERAXX063-23V1C				
MDERAXX071-13V1C	251	138	109	2x M20x1.5
MDERAXX071-23V1C				
MDERAXX080-23V1C	286	157	112	2x M24×1.5
MDERAXX080-33V1C				
MHERAXX090-13V1C	320	185	160	
MHERAXX090-33V1C	335			
MHERAXX100-33V1C	390	205	175	
MHERAXX112-23V1C	400	230	185	
MHERAXX132-13V1C	445	265	200	2x M32×1.5
MHERAXX132-23V1C	485			
MHERAXX132-33V1C				

Dimensions, self-ventilated (6-pole)

Design B14

	d	d_2	l	t	u
	j6				
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX063-13V1C	11	M4x10	23	12.5	4.0
MDERAXX063-23V1C					
MDERAXX071-13V1C	14	M5x12	30	16.0	5.0
MDERAXX071-23V1C					
MDERAXX080-23V1C	19	M6x16	40	21.5	6.0
MDERAXX080-33V1C					
MHERAXX090-13V1C	24	M8x20	50	27.0	8.0
MHERAXX090-33V1C					
MHERAXX100-33V1C	28	M10x22	60	31.0	
MHERAXX112-23V1C					
MHERAXX132-13V1C	38	M12x28	80	41.0	10.0
MHERAXX132-23V1C					
MHERAXX132-33V1C					

	a_2	b_2	e_2	f_2	s_2
		j6			
	[mm]	[mm]	[mm]	[mm]	[mm]
MDERAXX063-13V1C	90	60	75	3.0	8x M5x14
MDERAXX063-23V1C					
MDERAXX071-13V1C	105	70	85	3.5	8x M6x14
MDERAXX071-23V1C					
MDERAXX080-23V1C	120	80	100		8x M6x15
MDERAXX080-33V1C					
MHERAXX090-13V1C	140	95	115	3.0	8x M8x16
MHERAXX090-33V1C					
MHERAXX100-33V1C	160	110	130	3.5	8x M8x18
MHERAXX112-23V1C					8x M8x19
MHERAXX132-13V1C	200	130	165	4.0	8x M10x23
MHERAXX132-23V1C					
MHERAXX132-33V1C					