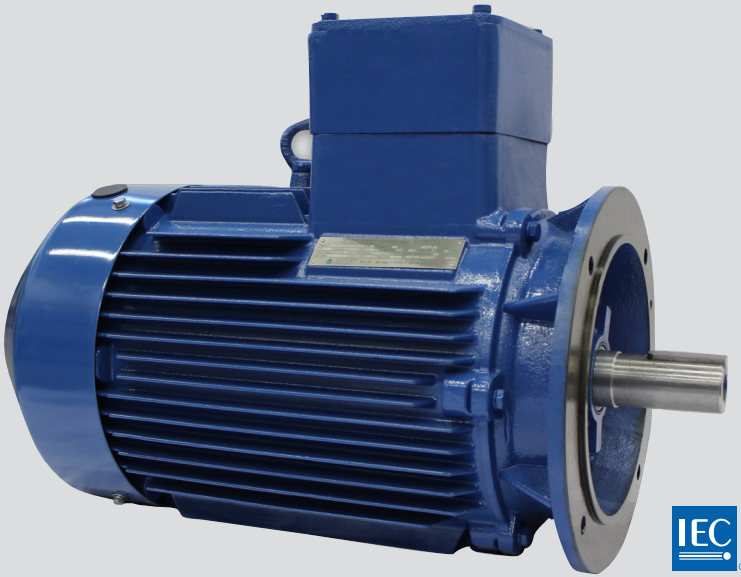
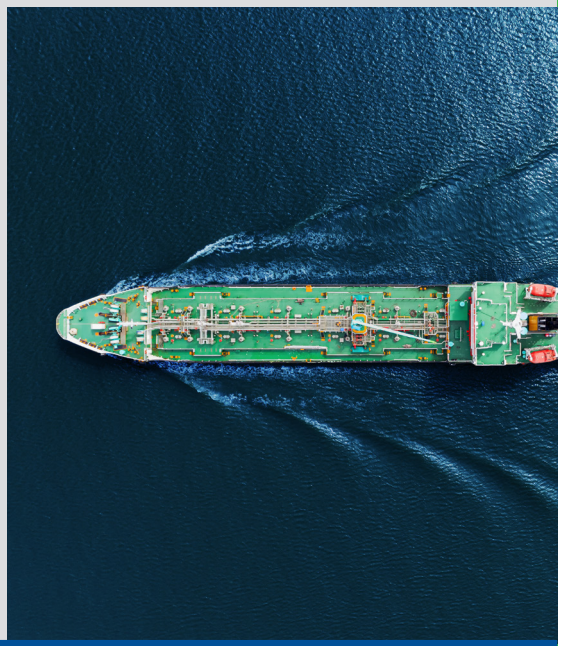
3DX flameproof motors







Let us present BEVI

Founded in 1931, BEVI is one of the Nordic region' s largest companies working with electric drive and power generation supporting a wide range of applications and industries, including the Marine industry. Electric motors is our core business and we are always at the cutting edge in terms of product development and quality of energy efficient drive systems.

We are active in Sweden, Denmark, Norway, Finland, Lithuania, Estonia, South Korea and China mainly through our own companies, but also through distributors. It provides good, local contact and good accessibility. The headquarters is located in Blomstermåla, Sweden.

BEVI AB is certified according to ISO 9001, ISO 14001 and 80079-34.

There are local variations in our offer but overall the BEVI group offers a comprehensive range of electric motors, generators, transmissions, power electronics, component materials and starting equipment. We also perform service on electrical machines up to 20 tonnes.

BEVI is part of Addtech, a Swedish publicly listed technology trading group comprising of 140 independent companies that sell high-tech products and solutions to customers in around 20 countries.



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3DX motor description

General description

The 3DX series of flameproof three phase induction motors have the following features:

- High efficiency (IE3) and excellent performance
- Light weight and compact construction
- Safe and reliable operation
- Long operation life
- Easy maintenance

3DX motors are developed and manufactured as Ex db IIB T4 Gb or Ex db IIC T4 Gb according to the latest requirements of standards IEC60079.

- IEC 60079-0:2017 COR1:2020
  Explosive atmospheres- Part 0: General requirements
- IEC/EN 60079-1:2014 COR1:2018
  Explosive atmospheres- Part 1: Equipment protection by flameproof enclosures "d"

The output ratings and mounting dimensions conform to relevant parts of IEC 60034 and 60072 standards.



3DX flameproof motor

Explanation of Ex marking and designation

Ex db IIC T4 Gb

- Equipment protection level (EPL)
- Temperature class (T4)
- Explosion group (class IIC)
- Type of explosion protection (flameproof type)
- Mark (explosion protection)

Construction features

The flameproof constructions for Ex db IIBT4 Gb and Ex db IICT4 Gb are available.

Enclosure (Degree of Protection) and cooling form

The degree of protection is:

- IP55/IP65 for Ex db IIB T4 Gb
- IP56/ IP66 for Ex db IIC T4 Gb

The cooling form is IC411 as standard. IC416 is available as an option.

Insulation class

All motors are wounded with Class F material, but calculated with temperature rise according to class B.

As option we can offer class H insulation material.

Materials

The stator windings are wound with polyester enamel round wire of high strength and then treated with the progress of vacuum-pressure impregnation (VPI), to make them become a solid integral. Therefore, the winding insulation is excellent in electrical and mechanical properties, moisture resistance and thermal stability.

The rotors are of cast-aluminum and dynamically balanced to make the motor operate smoothly with small vibration and low noise.

The stator and rotor cores are laminated with high-class electrical steel sheet with high permeability and low loss, thus makes the motors possess low loss and high efficiency.

Bearings

The motors are fitted with low vibration and low noise bearings special for motors.

For motors of frame size 132 and below use bilaterally shielded ball bearings. At the driving ends corrugated spring washers are pressed on bearings with proper pressure, to restrain effectively the vibration and noise produced during motors' operation.

Motors of frame size 160 and above use bearings with inner and outer covers. Retaining rings at bearing position are equipped on shafts to prevent the rotor efficiently from moving axially. These bearings are re-greasable. See the BEVI 3DX manual for information on regreasing interval.

For safe and reliable operation the bearings on the motors of frame size 160 and above are provided with grease nipples. These are used to drain or replenish the lubricating grease without stopping the motors.

Fans and fan covers

For motors of frame size 80 – 280 and below, the fans are made of non sparking thermoelectrical material.

Motors of frame size 315 – 355 and above are fitted with cast-aluminum or steel-plate-welded fans of lightweight and high strength.

For the whole motor series, the fans are fixed with a key on the shaft and fastening on the end of the shaft to make the motor operation safe and reliable.

The fan cover is made of steel. On a prerequisite of preventing from the ingress of solid substances of certain size, they enable the motors to get maximum area of ventilation in order to form adequate currents.

Service conditions

Electrical conditions

Rated voltage: 220/380, 230/400, 240/415, 250/440, 265/460, 277/480, 440, 460 ,480, 525, 380/660, 400/690, 415/720, 660 or 690V. Dual or single voltage available.

Rated frequency: 50Hz or 60 Hz.

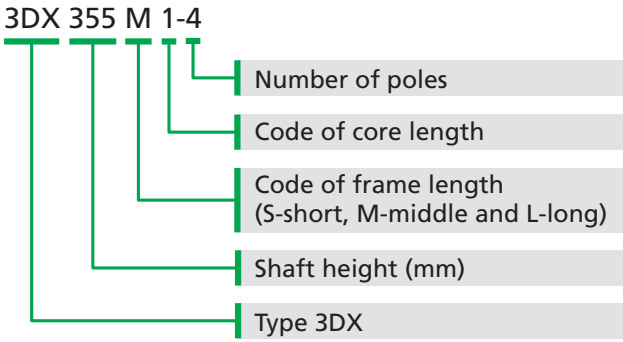
Duty type: The standard duty type is S1 (continuous duty). The motors can also be used for intermittent duty or duty via inverter supply. Inverter duty is an option. If inverter duty the motor needs to be approved for it as well as cooling according to IC416 (forced ventilation). Please contact BEVI for details. The stator windings are of Class F insulation.
Class H insulation is an option.

Ambient conditions

The altitude is up to 1000 m above sea level. The ambient temperature belongs to indoor circumstance of -20°C – +40°C.

If the ambient temperature is different from above, the motor should be derated as per the operation manual.

Explanation of type designation

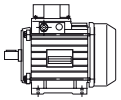


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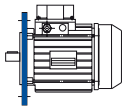
Constructions and mounting arrangements

Horizontal shaft position

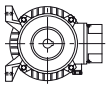
B3
80–355 *



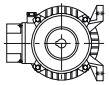
B5
80–280 *



B6
80–160 *



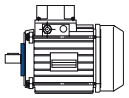
B7
80–160 *



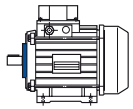
B8
80–160 *



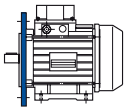
B14
80–160 *



B34
80–132 *

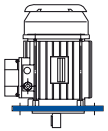


B35
80–355 *

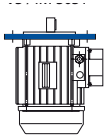


Vertical shaft position

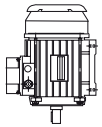
V1
80–355 *



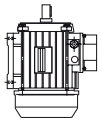
V3
80–160 *



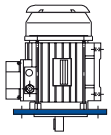
V5
80–160 *



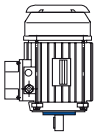
V6
80–160 *



V15
80–355 *



V18
80–132 *



* Frame/机座号

Terminal box

For frame size	Number of entry	Cable gland	Cable for heater or PTC
80 – 100	One	M25 × 1.5	M20 × 1.5
112	One	M25 × 1.5	M20 × 1.5
132	One	M40 × 1.5	M20 × 1.5
160 – 180	One	M40 × 1.5	M20 × 1.5
200 – 225	One	M50 × 1.5	M20 × 1.5
250 – 280	One	M63 × 1.5	M20 × 1.5
250 – 280	Two	M50 × 1.5	M20 × 1.5
315	Two	M63 × 1.5	M20 × 1.5
355	Two	M72 × 2	M20 × 1.5

Cable glands

Gland size	Clamping range	Thread OD AG	Thread length GL	H	Wrench size
M16 × 1.5	6 – 12 mm	16 mm	15 mm	29 mm	26 mm
M20 × 1.5	10 – 15mm	20 mm	15 mm	29.5 mm	30 mm
M25 × 1.5	14 – 18mm	25 mm	15 mm	29.5 mm	34 mm
M32 × 1.5	22 – 27mm	32 mm	15 mm	32 mm	50 mm
M40 × 1.5	26 – 33mm	40 mm	15 mm	32 mm	55 mm
M50 × 1.5	32 – 41mm	50 mm	15 mm	37 mm	65 mm
M63 × 1.5	48 – 57mm	63 mm	20 mm	38 mm	80 mm



Bearing size

Frame size	Poles	Bearing size	
		DE-side	NDE-side
80	2,4,6,8	6204-2RZ/C3	6204-2RZ/C3
90	2,4,6,8	6205-2RZ/C3	6205-2RZ/C3
100	2,4,6,8	6206-2RZ/C3	6206-2RZ/C3
112	2,4,6,8	6206-2RZ/C3	6206-2RZ/C3
132	2,4,6,8	6208-2RZ/C3	6208-2RZ/C3
160	2	6209/C3	6209/C3
160	4,6,8	6309/C3	6309/C3
180	2	6211/C3	6211/C3
180	4,6,8	6311/C3	6311/C3
200	2	6212/C3	6212/C3
200	4,6,8	6312/C3	6312/C3
225	2	6312/C3	6312/C3
225	4,6,8	6313/C3	6313/C3
250	2	6313/C3	6313/C3
250	4,6,8	6314/C3	6314/C3
280	2	6314/C3	6314/C3
280	4,6,8	6317/C3	6317/C3
315	2	6316/C3	6316/C3
315	4,6,8,10	6319/C3	6319/C3
355	2	6319/C3	6319/C3
355	4,6,8,10	6322/C3	6322/C3
355	4,6,8,10	6322/C3	6319/C3

Technical data

IE3 | 2

2 pole motors

Type	400V 50Hz data at +40°C			460V 60Hz data at +45°C			Efficiency	Efficiency	Efficiency	Power factor	Starting current ratio	Starting torque ratio	Pull out torque ratio	Noise No Load	Vibra-tion No Load	Moment of inertia	Mass (B3)
	Power	Full load speed	Full load current	Power	Full load speed	Full load current	100%	75%	50%								
	kW	rpm	A	kW	rpm	A	%	%	%	cos Φ	I_A/I_N	M_A/M_N	M_{MAX}/M_N	Lw dB(A)	mm/s	kg • m²	kg
3DX 80M1-2	0.75	2885	1.6	0.86	3462	1.6	81.6	81.9	80.1	0.82	7.0	2.3	2.3	67	1.3	0.0010	25
3DX 80M2-2	1.1	2885	2.3	1.3	3462	2.3	83.5	84.3	83.4	0.83	7.3	2.2	2.3	67	1.3	0.0013	27
3DX 90S-2	1.5	2895	3.0	1.7	3474	3.0	84.8	85.2	84.1	0.84	7.6	2.2	2.3	72	1.3	0.0021	32
3DX 90L-2	2.2	2900	4.4	2.5	3480	4.4	86.5	87.1	86.4	0.85	7.6	2.2	2.3	72	1.3	0.0028	35
3DX 100L-2	3	2890	5.7	3.5	3468	5.7	87.6	88.4	88.2	0.87	7.8	2.2	2.3	76	1.3	0.0046	46
3DX 112M-2	4	2900	7.4	4.6	3480	7.4	88.7	89.3	88.7	0.88	8.3	2.2	2.3	77	1.3	0.0074	64
3DX 132S1-2	5.5	2925	10.1	6.3	3510	10.1	89.8	89.9	89.0	0.88	8.3	2.0	2.3	80	1.3	0.0145	85
3DX 132S2-2	7.5	2925	13.7	8.6	3510	13.7	90.7	91.0	90.5	0.88	7.9	2.0	2.3	80	1.3	0.0176	89
3DX 160M1-2	11	2945	19.6	12.7	3534	19.6	91.7	91.8	90.9	0.89	8.1	2.0	2.3	86	1.8	0.0513	148
3DX 160M2-2	15	2950	26.5	17.3	3540	26.5	92.8	92.9	92.1	0.89	8.1	2.0	2.3	86	1.8	0.0654	159
3DX 160L-2	18.5	2945	32.5	21.3	3534	32.5	92.9	93.1	92.5	0.89	8.2	2.0	2.3	86	1.8	0.0760	176
3DX 180M-2	22	2955	38.5	25.3	3546	38.5	92.8	92.6	91.5	0.89	8.2	2.0	2.3	88	1.8	0.1183	221
3DX 200L1-2	30	2965	52	35	3558	52	93.6	93.6	92.8	0.89	7.6	2.0	2.3	90	1.8	0.1649	264
3DX 200L2-2	37	2965	64	43	3558	64	93.8	93.8	93.1	0.89	7.6	2.0	2.3	90	1.8	0.1945	278
3DX 225M-2	45	2965	77	52	3558	77	94.2	94.1	93.4	0.90	7.7	2.0	2.3	92	1.8	0.3097	390
3DX 250M-2	55	2970	94	63	3564	94	94.4	94.1	93.1	0.90	7.7	2.0	2.3	93	1.8	0.4168	498
3DX 280S-2	75	2975	127	86	3570	127	94.8	94.5	93.5	0.90	7.1	1.8	2.3	94	1.8	0.6849	612
3DX 280M-2	90	2975	152	104	3570	152	95.1	94.9	94.1	0.90	7.1	1.8	2.3	94	1.8	0.8015	684
3DX 315S-2	110	2980	185	127	3576	185	95.5	95.2	94.2	0.90	7.1	1.8	2.3	96	2.3	1.5305	970
3DX 315M-2	132	2975	222	152	3570	222	95.6	95.3	94.3	0.90	7.1	1.8	2.3	96	2.3	1.7253	1030
3DX 315L1-2	160	2975	265	184	3570	265	95.9	95.7	94.9	0.91	7.2	1.8	2.3	98	2.3	2.06	1170
3DX 315L2-2	200	2975	331	230	3570	331	95.9	95.6	94.6	0.91	7.2	1.8	2.2	98	2.3	2.50	1320
3DX 355S1-2	185	2980	314	213	3576	314	95.7	95.8	95.2	0.89	7.1	1.8	2.2	98	2.3	2.88	1480
3DX 355S2-2	200	2980	331	230	3576	331	95.8	95.6	94.6	0.89	7.1	1.8	2.2	98	2.3	3.05	1740
3DX 355M1-2	220	2980	372	253	3576	372	95.8	95.9	95.3	0.91	7.1	1.8	2.2	100	2.3	3.13	1790
3DX 355M2-2	250	2980	414	288	3576	414	95.9	95.5	94.3	0.91	7.2	1.6	2.2	100	2.3	3.13	1840
3DX 355L1-2	280	2980	469	322	3576	469	95.8	95.5	94.3	0.91	7.2	1.6	2.2	100	2.3	3.75	2040
3DX 355L2-2	315	2980	516	362	3576	516	96.1	95.6	94.5	0.91	7.2	1.6	2.2	100	2.3	3.75	2060

Technical data

IE3 | 4

4 pole motors

Type	400V 50Hz data at +40°C			460V 60Hz data at +45°C			Efficiency	Efficiency	Efficiency	Power factor	Starting current ratio	Starting torque ratio	Pull out torque ratio	Noise No Load	Vibration No Load	Moment of inertia	Mass (B3)
	Power	Full load speed	Full load current	Power	Full load speed	Full load current	100%	75%	50%								
	kW	rpm	A	kW	rpm	A	%	%	%	cos Φ	I_A/I_N	M_A/M_N	M_{MAX}/M_N	Lw dB(A)	mm/s	kg • m²	kg
3DX 80M1-4	0.55	1435	1.3	0.63	1722	1.3	81.2	81.3	80.7	0.75	6.6	2.4	2.3	58	1.3	0.0020	28
3DX 80M2-4	0.75	1435	1.7	0.86	1722	1.7	83.3	83.5	81.7	0.75	6.6	2.3	2.3	58	1.3	0.0023	29
3DX 90S-4	1.1	1435	2.5	1.3	1722	2.5	84.8	85.6	84.7	0.76	6.8	2.3	2.3	61	1.3	0.0037	32
3DX 90L-4	1.5	1435	3.3	1.7	1722	3.3	85.9	86.7	86.0	0.77	7.0	2.3	2.3	61	1.3	0.0048	37
3DX 100L1-4	2.2	1450	4.6	2.5	1740	4.6	87.2	87.6	86.8	0.81	7.6	2.3	2.3	64	1.3	0.0090	47
3DX 100L2-4	3	1450	6.0	3.5	1740	6.0	88.2	88.8	88.2	0.82	7.6	2.3	2.3	64	1.3	0.0120	50
3DX 112M-4	4	1455	8.0	4.6	1746	8.0	89.3	89.6	88.6	0.82	7.8	2.2	2.3	65	1.3	0.0175	69
3DX 132S-4	5.5	1460	10.6	6.3	1752	10.6	90.4	90.8	90.2	0.83	7.9	2.0	2.3	71	1.3	0.0350	90
3DX 132M-4	7.5	1460	14.3	8.6	1752	14.3	90.9	91.4	91.0	0.84	7.5	2.0	2.3	71	1.3	0.0447	102
3DX 160M-4	11	1470	20.4	12.7	1764	20.4	91.8	92.0	91.4	0.85	7.7	2.2	2.3	75	1.8	0.0974	149
3DX 160L-4	15	1470	27.4	17.3	1764	27.4	92.7	92.9	92.5	0.86	7.8	2.2	2.3	75	1.8	0.1239	170
3DX 180M-4	18.5	1475	33.5	21.3	1770	33.5	93.0	93.2	92.6	0.86	7.8	2.0	2.3	76	1.8	0.1811	215
3DX 180L-4	22	1475	39.7	25.3	1770	39.7	93.3	93.5	93.0	0.86	7.8	2.0	2.3	76	1.8	0.2242	230
3DX 200L-4	30	1475	54	34.5	1770	54	93.9	93.9	93.3	0.86	7.3	2.0	2.3	79	1.8	0.3631	296
3DX 225S-4	37	1480	66	42.6	1776	66	94.1	94.2	93.6	0.86	7.4	2.0	2.3	81	1.8	0.5589	360
3DX 225M-4	45	1480	80	52	1776	80	94.6	94.7	94.3	0.86	7.4	2.0	2.3	81	1.8	0.6351	390
3DX 250M-4	55	1485	98	63	1782	98	95.1	95.0	94.4	0.86	7.4	2.2	2.3	83	1.8	0.8994	512
3DX 280S-4	75	1485	130	86	1782	130	95.3	95.3	94.5	0.88	6.9	2.0	2.3	86	1.8	1.6251	640
3DX 280M-4	90	1485	155	104	1782	155	95.2	95.2	94.6	0.88	6.9	2.0	2.3	86	1.8	1.9672	708
3DX 315S-4	110	1485	187	127	1782	187	95.5	95.4	94.6	0.89	7.0	2.0	2.2	93	2.3	3.27	1060
3DX 315M-4	132	1485	224	152	1782	224	95.7	95.6	95.0	0.89	7.0	2.0	2.2	93	2.3	3.70	1088
3DX 315L1-4	160	1485	271	184	1782	271	95.9	95.8	95.3	0.89	7.1	2.0	2.2	93	2.3	4.22	1256
3DX 315L2-4	200	1485	334	230	1782	334	96.0	95.9	95.3	0.90	7.1	2.0	2.2	94	2.3	5.91	1398
3DX 355S1-4	185	1490	313	213	1788	313	96.0	96.0	95.5	0.90	7.1	2.0	2.2	94	2.3	6.02	1730
3DX 355S2-4	200	1490	334	230	1788	334	96.0	95.9	95.3	0.90	7.1	2.0	2.2	94	2.3	6.30	1781
3DX 355M1-4	220	1490	372	253	1788	372	96.0	96.1	95.6	0.90	7.1	2.0	2.2	95	2.3	7.80	1730
3DX 355M2-4	250	1490	418	288	1788	418	96.0	95.6	94.7	0.90	7.1	2.0	2.2	95	2.3	8.35	1765
3DX 355L1-4	280	1490	468	322	1788	468	96.0	96.2	95.4	0.90	7.1	2.0	2.2	95	2.3	8.35	1814
3DX 355L2-4	315	1490	526	362	1788	526	96.0	95.9	95.2	0.90	7.1	2.0	2.2	95	2.3	10.57	1862

Technical data

6 pole motors

IE3 | 6

Type	400V 50Hz data at +40°C			460V 60Hz data at +45°C			Efficiency	Efficiency	Efficiency	Power factor	Starting current ratio	Starting torque ratio	Pull out torque ratio	Noise No Load	Vibration No Load	Moment of Inertia	Mass (B3)
	Power	Full load speed	Full load current	Power	Full load speed	Full load current	100%	75%	50%								
	kW	rpm	A	kW	rpm	A	%	%	%	cos Φ	I_A/I_N	M_A/M_N	M_{MAX}/M_N	Lw dB(A)	mm/s	kg • m²	kg
3DX 80M1-6	0.37	900	1.0	0.43	1080	1.0	73.7	73.7	71.5	0.70	6.0	1.9	2.0	54	1.3	0.0019	26
3DX 80M2-6	0.55	900	1.4	0.63	1080	1.4	77.3	77.3	75.2	0.72	6.0	1.9	2.0	54	1.3	0.0027	27
3DX 90S-6	0.75	955	1.9	0.86	1146	1.9	81.1	81.4	79.6	0.71	6.0	2.0	2.1	57	1.3	0.0048	32
3DX 90L-6	1.1	955	2.7	1.3	1146	2.7	82.9	83.6	82.2	0.73	6.0	2.0	2.1	57	1.3	0.0071	36
3DX 100L-6	1.5	955	3.6	1.7	1146	3.6	83.8	84.5	83.4	0.73	6.5	2.0	2.1	61	1.3	0.0126	44
3DX 112M-6	2.2	950	5.1	2.5	1140	5.1	84.5	85.3	84.3	0.74	6.6	2.0	2.1	65	1.3	0.0191	63
3DX 132S-6	3	970	6.8	3.5	1164	6.8	86.6	87.0	85.9	0.74	6.8	2.0	2.1	69	1.3	0.0357	80
3DX 132M1-6	4	970	9.0	4.6	1164	9.0	87.7	88.0	87.0	0.74	6.8	2.0	2.1	69	1.3	0.0477	90
3DX 132M2-6	5.5	970	12.1	6.3	1164	12.1	88.6	89.0	88.3	0.75	7.0	2.0	2.1	69	1.3	0.0630	100
3DX 160M-6	7.5	975	15.4	8.6	1170	15.4	90.1	90.4	89.7	0.79	7.0	2.0	2.1	73	1.8	0.1119	146
3DX 160L-6	11	975	21.9	12.7	1170	21.9	90.8	91.4	91.0	0.80	7.2	2.0	2.1	73	1.8	0.1492	172
3DX 180L-6	15	980	29.4	17.3	1176	29.4	91.9	92.5	92.3	0.81	7.3	2.0	2.1	73	1.8	0.2574	218
3DX 200L1-6	18.5	980	35.9	21.3	1176	35.9	92.5	92.9	92.4	0.81	7.3	2.0	2.1	76	1.8	0.3881	260
3DX 200L2-6	22	980	42.6	25.3	1176	42.6	92.8	93.1	92.8	0.81	7.4	2.0	2.1	76	1.8	0.4478	274
3DX 225M-6	30	985	56	34.5	1182	56	93.3	93.6	93.2	0.83	6.9	2.0	2.1	76	1.8	0.6342	355
3DX 250M-6	37	985	68	42.6	1182	68	93.7	93.8	93.2	0.84	7.1	2.0	2.1	78	1.8	1.0787	512
3DX 280S-6	45	985	82	52	1182	82	94.0	94.2	93.7	0.85	7.3	2.0	2.0	80	1.8	1.7050	589
3DX 280M-6	55	985	98	63	1182	98	94.3	94.5	94.2	0.86	7.3	2.0	2.0	80	1.8	2.06	620
3DX 315S-6	75	990	136	86	1188	136	95.0	95.0	94.3	0.84	6.6	2.0	2.0	85	2.3	3.92	980
3DX 315M-6	90	990	161	104	1188	161	95.2	95.2	94.6	0.85	6.7	2.0	2.0	85	2.3	4.27	1014
3DX 315L1-6	110	990	197	127	1188	197	95.4	95.4	94.9	0.85	6.7	2.0	2.0	85	2.3	5.46	1187
3DX 315L2-6	132	990	232	152	1188	232	95.6	95.7	95.2	0.86	6.8	2.0	2.0	85	2.3	6.58	1222
3DX 355S-6	160	990	281	184	1188	281	95.6	95.4	94.5	0.86	6.8	1.8	2.0	92	2.3	10.30	1660
3DX 355M1-6	185	990	321	213	1188	321	95.7	95.7	95.4	0.86	6.8	1.8	2.0	92	2.3	11.07	1755
3DX 355M2-6	200	990	346	230	1188	346	95.8	95.7	95.0	0.87	6.8	1.8	2.0	92	2.3	11.78	1805
3DX 355L1-6	220	990	381	253	1188	381	95.8	95.8	95.5	0.87	6.8	1.8	2.0	92	2.3	15.29	2015
3DX 355L2-6	250	990	433	288	1188	433	96.1	95.9	95.3	0.87	6.8	1.8	2.0	92	2.3	15.29	2150

Technical data

8 – 10 pole motors

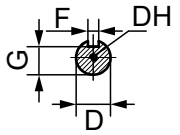
IE3 | 8 – 10

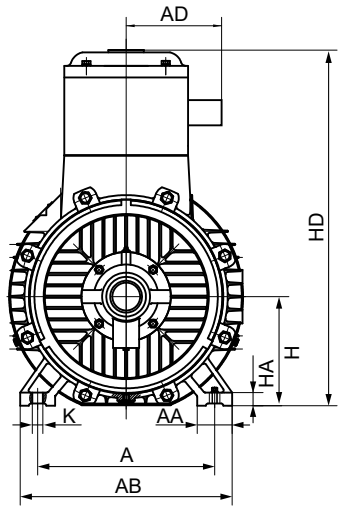
Type	400V 50Hz data at +40°C			460V 60Hz data at +45°C			Efficiency	Efficiency	Efficiency	Power factor	Starting current ratio	Starting torque ratio	Pull out torque ratio	Noise No Load	Vibration No Load	Moment of inertia	Mass (B3)
	Power	Full load speed	Full load current	Power	Full load speed	Full load current	100%	75%	50%								
	kW	rpm	A	kW	rpm	A	%	%	%	cos Φ	I_A/I_N	M_A/M_N	M_{MAX}/M_N	Lw dB(A)	mm/s	kg • m²	kg
8 pole motors																	
3DX 100L1-8	0.75	680	2.2	0.86	816	2.2	75.0	75.1	74.6	0.67	5.0	1.8	2.0	59	1.3	0.0072	49
3DX 100L2-8	1.1	680	3.0	1.3	816	3.0	77.7	77.8	77.3	0.69	5.0	1.8	2.0	59	1.3	0.0081	65
3DX 112M-8	1.5	690	3.8	1.7	828	3.8	79.7	79.8	79.3	0.70	6.0	1.8	2.0	61	1.3	0.0140	69
3DX 132S-8	2.2	705	5.5	2.5	846	5.5	81.9	81.7	80.4	0.71	6.7	1.8	2.0	64	1.3	0.0320	84
3DX 132M-8	3	705	7.1	3.5	846	7.1	83.6	83.6	82.7	0.73	6.9	1.8	2.0	64	1.3	0.0392	92
3DX 160M1-8	4	720	9.3	4.6	864	9.3	84.8	84.9	83.7	0.73	6.9	1.9	2.0	68	1.8	0.0635	133
3DX 160M2-8	5.5	720	12.4	6.3	864	12.4	86.3	86.3	85.6	0.74	6.9	1.9	2.0	68	1.8	0.0897	150
3DX 160L-8	7.5	720	16.5	8.6	864	16.5	87.3	87.2	86.4	0.75	6.6	1.9	2.0	68	1.8	0.1270	175
3DX 180L-8	11	730	23.9	12.7	876	23.9	88.7	88.6	87.3	0.75	6.6	2.0	2.0	70	1.8	0.2140	214
3DX 200L-8	15	730	31.8	17.3	876	31.8	89.6	89.6	88.5	0.76	6.8	2.0	2.0	73	1.8	0.3490	270
3DX 225S-8	18.5	730	39.0	21.3	876	39.0	90.1	90.1	89.4	0.76	6.8	1.9	2.0	73	1.8	0.5200	325
3DX 225M-8	22	730	44.9	25.3	876	44.9	90.6	90.6	89.5	0.78	7.0	1.9	2.0	73	1.8	0.6200	355
3DX 250M-8	30	735	60	34.5	882	60	91.4	91.3	89.5	0.79	6.7	1.9	2.0	75	1.8	0.8900	480
3DX 280S-8	37	735	74	42.6	882	74	91.8	91.9	90.2	0.79	6.7	1.9	2.0	76	1.8	1.7100	559
3DX 280M-8	45	735	89	52	882	89	92.3	92.2	90.9	0.79	6.7	1.9	2.0	76	1.8	2.15	640
3DX 315S-8	55	735	106	63	882	106	92.6	92.4	91.4	0.81	6.8	1.8	2.0	82	2.3	3.79	960
3DX 315M-8	75	735	144	86	882	144	93.2	93.1	91.9	0.81	6.3	1.8	2.0	82	2.3	5.20	1026
3DX 315L1-8	90	735	170	104	882	170	93.5	93.3	92.4	0.82	6.4	1.8	2.0	82	2.3	6.19	1197
3DX 315L2-8	110	735	207	127	882	207	93.8	93.6	92.6	0.82	6.4	1.8	2.0	82	2.3	7.26	1285
3DX 355S-8	132	740	247	152	888	247	94.1	94.0	92.9	0.82	6.4	1.8	2.0	90	2.3	11.85	1700
3DX 355M-8	160	740	299	184	888	299	94.3	94.2	93.1	0.82	6.4	1.8	2.0	90	2.3	14.50	1880
3DX 355L1-8	185	740	345	213	888	345	94.5	94.4	94.1	0.82	6.4	1.6	2.0	90	2.3	16.16	2086
3DX 355L2-8	200	740	368	230	888	368	94.6	94.6	93.3	0.83	6.4	1.8	2.0	90	2.3	18.12	2170
10 pole motors																	
3DX 315S-10	45	590	95	52	708	95	91.2	91.3	88.5	0.75	6.2	1.5	2.0	82	2.3	3.79	972
3DX 315M-10	55	590	115	63	708	115	91.8	91.9	89.1	0.75	6.2	1.5	2.0	82	2.3	4.62	1080
3DX 315L1-10	75	590	154	86	708	154	92.3	92.4	89.5	0.76	6.2	1.5	2.0	82	2.3	6.19	1226
3DX 315L2-10	90	590	182	104	708	182	92.9	93.0	90.1	0.77	6.2	1.5	2.0	82	2.3	7.26	1284
3DX 355S-10	90	590	182	104	708	182	92.9	93.0	90.1	0.77	6.0	1.3	2.0	82	2.3	9.35	1405
3DX 355M1-10	110	590	219	127	708	219	93.1	93.2	90.3	0.78	6.0	1.3	2.0	90	2.3	10.61	1880
3DX 355M2-10	132	590	261	152	708	261	93.5	93.6	90.7	0.78	6.0	1.3	2.0	90	2.3	12.70	1960
3DX 355L1-10	160	590	317	184	708	317	93.5	93.6	90.7	0.78	6.0	1.3	2.0	90	2.3	15.64	2086
3DX 355L2-10	185	590	366	213	708	366	93.5	93.6	90.7	0.78	6.0	1.3	2.0	90	2.3	17.88	2312

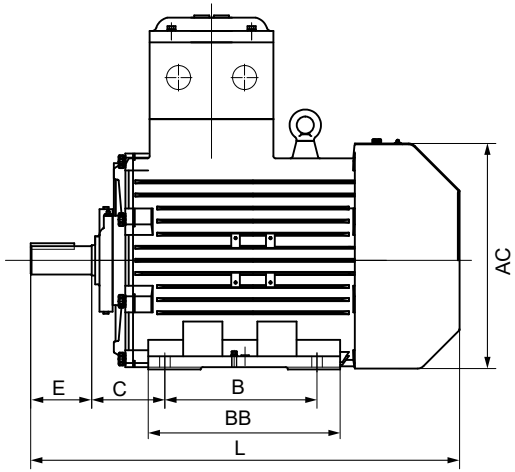
IE3 | B3

Dimensions B3

Frame Size	Poles	A	B	C	D	E	F	G	DH	H	K	AA	AB	AC	AD	BB	HA	HD	L
80M	2,4,6,8	125	100	50	19	40	6	15.5	M6x16	80	10	34	165	170	180	130	10	320	325
90S	2,4,6,8	140	100	56	24	50	8	20	M8x19	90	10	36	180	185	180	155	14	330	385
90L	2,4,6,8	140	125	56	24	50	8	20	M8x19	90	10	36	180	185	180	180	14	330	410
100L	2,4,6,8	160	140	63	28	60	8	24	M10x22	100	12	43	205	210	180	176	14	360	445
112M	2,4,6,8	190	140	70	28	60	8	24	M10x22	112	12	50	240	225	200	230	16	380	515
132S	2,4,6,8	216	140	89	38	80	10	33	M12x28	132	12	60	280	265	200	190	18	430	520
132M	2,4,6,8	216	178	89	38	80	10	33	M12x28	132	12	60	280	265	200	230	18	430	560
160M	2,4,6,8	254	210	108	42	110	12	37	M16x36	160	14.5	70	320	320	220	258	20	500	700
160L	2,4,6,8	254	254	108	42	110	12	37	M16x36	160	14.5	70	320	320	220	302	20	500	730
180M	2,4,6,8	279	241	121	48	110	14	42.5	M16x36	180	14.5	70	355	360	220	311	25	540	790
180L	2,4,6,8	279	279	121	48	110	14	42.5	M16x36	180	14.5	70	355	360	220	349	25	540	810
200L	2,4,6,8	318	305	133	55	110	16	49	M20x42	200	18.5	70	400	400	250	366	25	650	850
225S	4,6,8	356	286	149	60	140	18	53	M20x42	225	18.5	75	435	450	250	355	28	695	880
225M	2	356	311	149	55	110	16	49	M20x42	225	18.5	75	435	450	250	380	28	695	880
	4,6,8	356	311	149	60	140	18	53	M20x42	225	18.5	75	435	450	250	380	28	695	910
250M	2	406	349	168	60	140	18	53	M20x42	250	24	80	500	500	275	425	30	730	975
	4,6,8	406	349	168	65	140	18	58	M20x42	250	24	80	500	500	275	425	30	730	975
280S	2	457	368	190	65	140	18	58	M20x42	280	24	85	545	550	275	455	35	800	1015
	4,6,8	457	368	190	75	140	20	67.5	M20x42	280	24	85	545	550	275	455	35	800	1045
280M	2	457	419	190	65	140	18	58	M20x42	280	24	85	545	550	275	505	35	800	1070
	4,6,8	457	419	190	75	140	20	67.5	M20x42	280	24	85	545	550	275	505	35	800	1110
315S	2	508	406	216	65	140	18	58	M20x42	315	28	120	640	630	350	630	45	960	1220
	4,6,8,10	508	406	216	80	170	22	71	M20x42	315	28	120	640	630	350	630	45	960	1290
315M	2	508	457	216	65	140	18	58	M20x42	315	28	120	640	630	350	630	45	960	1220
	4,6,8,10	508	457	216	80	170	22	71	M20x42	315	28	120	640	630	350	630	45	960	1290
315L	2	508	508	216	65	140	18	58	M20x42	315	28	120	640	630	350	730	45	960	1370
	4,6,8,10	508	508	216	80	170	22	71	M20x42	315	28	120	640	630	350	730	45	960	1440
355S	2	610	500	254	75	140	20	67.5	M20x42	355	28	150	740	710	350	710	52	1030	1450
	4,6,8,10	610	500	254	95	170	25	86	M24x47	355	28	150	740	710	350	710	52	1030	1480
355M	2	610	560	254	75	140	20	67.5	M20x42	355	28	150	740	710	350	710	52	1030	1450
	4,6,8,10	610	560	254	95	170	25	86	M24x47	355	28	150	740	710	350	710	52	1030	1480
355L	2	610	630	254	75	140	20	67.5	M20x42	355	28	150	740	710	350	810	52	1030	1550
	4,6,8,10	610	630	254	95	170	25	86	M24x47	355	28	150	740	710	350	810	52	1030	1580



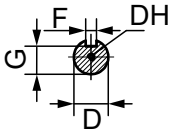


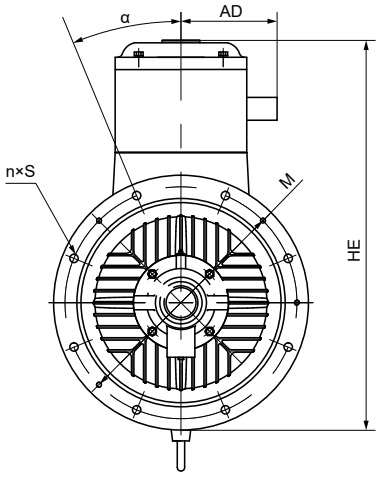


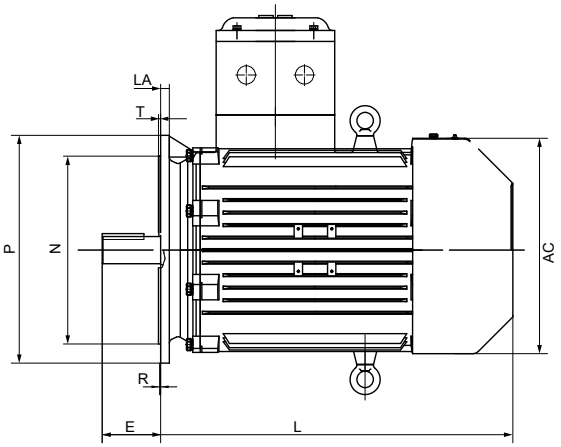
IE3 | B5

Dimensions B5

Frame Size	Poles	D	E	F	G	DH	H	M	N	P	S	T	AC	AD	HE	LA	L	LA	L
80M	2,4,6,8	19	40	6	15,5	M6x16	80	165	130	200	12	3,5	170	180	340	12	325	12	325
90S	2,4,6,8	24	50	8	20	M8x19	90	165	130	200	12	3,5	185	180	355	14	385	14	385
90L	2,4,6,8	24	50	8	20	M8x19	90	165	130	200	12	3,5	185	180	355	14	410	14	410
100L	2,4,6,8	28	60	8	24	M10x22	100	215	180	250	14,5	4	210	180	400	14	445	14	445
112M	2,4,6,8	28	60	8	24	M10x22	112	215	180	250	14,5	4	225	200	420	14	515	14	515
132S	2,4,6,8	38	80	10	33	M12x28	132	265	230	300	14,5	4	265	200	490	14	520	14	520
132M	2,4,6,8	38	80	10	33	M12x28	132	265	230	300	14,5	4	265	200	490	14	560	14	560
160M	2,4,6,8	42	110	12	37	M16x36	160	300	250	350	18,5	5	320	220	520	15	700	15	700
160L	2,4,6,8	42	110	12	37	M16x36	160	300	250	350	18,5	5	320	220	520	15	730	15	730
180M	2,4,6,8	48	110	14	42,5	M16x36	180	300	250	350	18,5	5	360	220	540	18	790	18	790
180L	2,4,6,8	48	110	14	42,5	M16x36	180	300	250	350	18,5	5	360	220	540	18	810	18	810
200L	2,4,6,8	55	110	16	49	M20x42	200	350	300	400	18,5	5	400	250	650	18	850	18	850
225S	4,6,8	60	140	18	53	M20x42	225	400	350	450	18,5	5	450	250	695	18	880	18	880
225M	2	55	110	16	49	M20x42	225	400	350	450	18,5	5	450	250	695	18	880	18	880
	4,6,8	60	140	18	53	M20x42	225	400	350	450	18,5	5	450	250	695	18	910	18	910
250M	2	60	140	18	53	M20x42	250	500	450	550	18,5	5	500	275	755	20	975	20	975
	4,6,8	65	140	18	58	M20x42	250	500	450	550	18,5	5	500	275	755	20	975	20	975
280S	2	65	140	18	58	M20x42	280	500	450	550	18,5	5	550	275	795	22	1015	22	1015
	4,6,8	75	140	20	67,5	M20x42	280	500	450	550	18,5	5	550	275	795	22	1045	22	1045
280M	2	65	140	18	58	M20x42	280	500	450	550	18,5	5	550	275	795	22	1070	22	1070
	4,6,8	75	140	20	67,5	M20x42	280	500	450	550	18,5	5	550	275	795	22	1110	22	1110
315S	2	65	140	18	58	M20x42	315	600	550	660	24	6	630	350	975	25	1220	25	1220
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	24	6	630	350	975	25	1290	25	1290
315M	2	65	140	18	58	M20x42	315	600	550	660	24	6	630	350	975	25	1220	25	1220
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	24	6	630	350	975	25	1290	25	1290
315L	2	65	140	18	58	M20x42	315	600	550	660	24	6	630	350	975	25	1370	25	1370
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	24	6	630	350	975	25	1440	25	1440
355S	2	75	140	20	67,5	M20x42	355	740	680	800	24	6	710	350	1145	25	1450	25	1450
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	24	6	710	350	1145	25	1480	25	1480
355M	2	75	140	20	67,5	M20x42	355	740	680	800	24	6	710	350	1145	25	1450	25	1450
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	24	6	710	350	1145	25	1480	25	1480
355L	2	75	140	20	67,5	M20x42	355	740	680	800	24	6	710	350	1145	25	1550	25	1550
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	24	6	710	350	1145	25	1580	25	1580



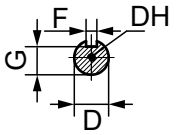


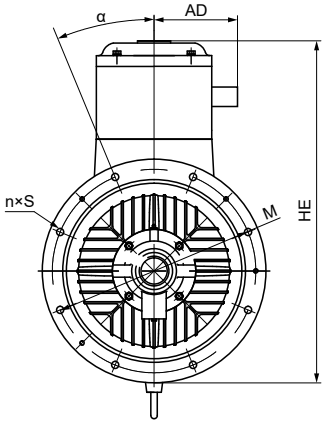


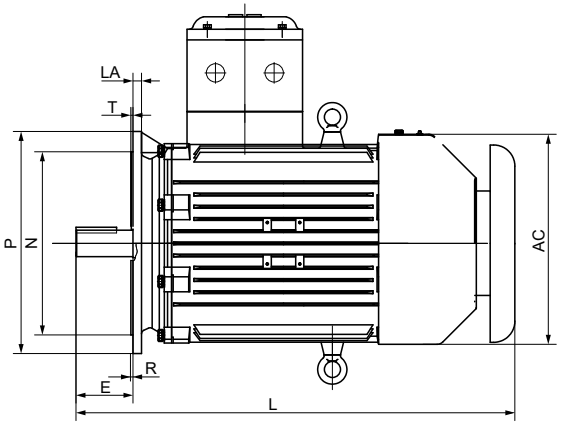
IE3 | V1

Dimensions V1

Frame Size	Poles	D	E	F	G	DH	H	M	N	P	R	α°	n × S	T	AC	AD	HE	LA	L
80M	2,4,6,8	19	40	6	15.5	M6x16	80	165	130	200	0	45	4 × 12	3.5	170	180	340	12	365
90S	2,4,6,8	24	50	8	20	M8x19	90	165	130	200	0	45	4 × 12	3.5	185	180	355	14	425
90L	2,4,6,8	24	50	8	20	M8x19	90	165	130	200	0	45	4 × 12	3.5	185	180	355	14	450
100L	2,4,6,8	28	60	8	24	M10x22	100	215	180	250	0	45	4 × 14.5	4	210	180	400	14	485
112M	2,4,6,8	28	60	8	24	M10x22	112	215	180	250	0	45	4 × 14.5	4	225	200	420	14	555
132S	2,4,6,8	38	80	10	33	M12x28	132	265	230	300	0	45	4 × 14.5	4	265	200	490	14	560
132M	2,4,6,8	38	80	10	33	M12x28	132	265	230	300	0	45	4 × 14.5	4	265	200	490	14	600
160M	2,4,6,8	42	110	12	37	M16x36	160	300	250	350	0	45	4 × 18.5	5	320	220	520	15	750
160L	2,4,6,8	42	110	12	37	M16x36	160	300	250	350	0	45	4 × 18.5	5	320	220	520	15	780
180M	2,4,6,8	48	110	14	42.5	M16x36	180	300	250	350	0	45	4 × 18.5	5	360	220	540	18	850
180L	2,4,6,8	48	110	14	42.5	M16x36	180	300	250	350	0	45	4 × 18.5	5	360	220	540	18	870
200L	2,4,6,8	55	110	16	49	M20x42	200	350	300	400	0	45	4 × 18.5	5	400	250	650	18	920
225S	4,6,8	60	140	18	53	M20x42	225	400	350	450	0	22.5	4 × 18.5	5	450	250	695	18	970
225M	2	55	110	16	49	M20x42	225	400	350	450	0	22.5	4 × 18.5	5	450	250	695	18	970
	4,6,8	60	140	18	53	M20x42	225	400	350	450	0	22.5	4 × 18.5	5	450	250	695	18	1000
250M	2	60	140	18	53	M20x42	250	500	450	550	0	22.5	4 × 18.5	5	500	275	755	20	1080
	4,6,8	65	140	18	58	M20x42	250	500	450	550	0	22.5	4 × 18.5	5	500	275	755	20	1080
280S	2	65	140	18	58	M20x42	280	500	450	550	0	22.5	4 × 18.5	5	550	275	795	22	1130
	4,6,8	75	140	20	67.5	M20x42	280	500	450	550	0	22.5	4 × 18.5	5	550	275	795	22	1160
280M	2	65	140	18	58	M20x42	280	500	450	550	0	22.5	4 × 18.5	5	550	275	795	22	1185
	4,6,8	75	140	20	67.5	M20x42	280	500	450	550	0	22.5	4 × 18.5	5	550	275	795	22	1225
315S	2	65	140	18	58	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	975	25	1340
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	975	25	1410
315M	2	65	140	18	58	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	975	25	1340
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	975	25	1410
315L	2	65	140	18	58	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	975	25	1490
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	975	25	1560
355S	2	75	140	20	67.5	M20x42	355	740	680	800	0	22.5	8 × 24	6	710	350	1145	25	1590
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	0	22.5	8 × 24	6	710	350	1145	25	1620
355M	2	75	140	20	67.5	M20x42	355	740	680	800	0	22.5	8 × 24	6	710	350	1145	25	1590
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	0	22.5	8 × 24	6	710	350	1145	25	1620
355L	2	75	140	20	67.5	M20x42	355	740	680	800	0	22.5	8 × 24	6	710	350	1145	25	1690
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	0	22.5	8 × 24	6	710	350	1145	25	1720



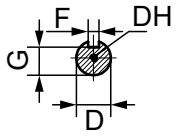


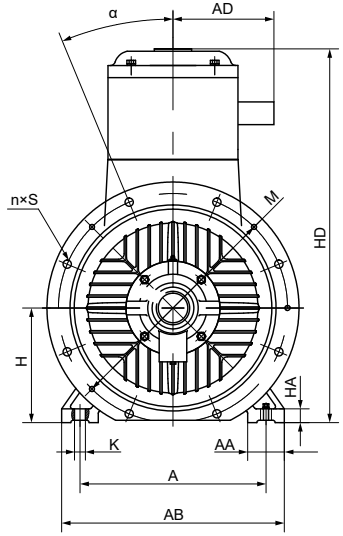


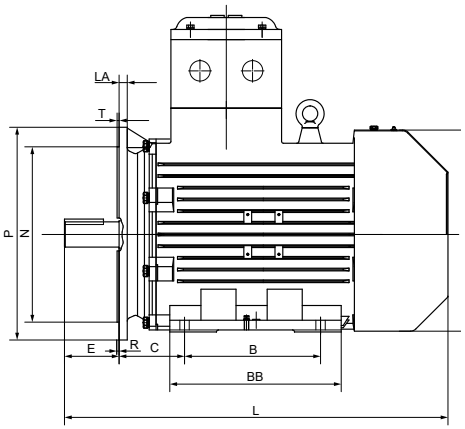
IE3 | B35

Dimensions B35

Frame Size	Poles	A	B	C	D	E	F	G	DH	H	K	M	N	P	R	α °	n × S	T	AA	AB	AC	AD	BB	HA	HD	LA	L
80M	2,4,6,8	125	100	50	19	40	6	15.5	M6x16	80	10	165	130	200	0	45	4 × 12	3.5	34	165	170	180	130	10	320	12	325
90S	2,4,6,8	140	100	56	24	50	8	20	M8x19	90	10	165	130	200	0	45	4 × 12	3.5	36	180	185	180	155	14	330	14	385
90L	2,4,6,8	140	125	56	24	50	8	20	M8x19	90	10	165	130	200	0	45	4 × 12	3.5	36	180	185	180	180	14	330	14	410
100L	2,4,6,8	160	140	63	28	60	8	24	M10x22	100	12	215	180	250	0	45	4 × 14.5	4	43	205	210	180	176	14	360	14	445
112M	2,4,6,8	190	140	70	28	60	8	24	M10x22	112	12	215	180	250	0	45	4 × 14.5	4	50	240	225	200	230	16	380	14	515
132S	2,4,6,8	216	140	89	38	80	10	33	M12x28	132	12	265	230	300	0	45	4 × 14.5	4	60	280	265	200	190	18	430	14	520
132M	2,4,6,8	216	178	89	38	80	10	33	M12x28	132	12	265	230	300	0	45	4 × 14.5	4	60	280	265	200	230	18	430	14	560
160M	2,4,6,8	254	210	108	42	110	12	37	M16x36	160	14.5	300	250	350	0	45	4 × 18.5	5	70	320	320	220	258	20	500	15	700
160L	2,4,6,8	254	254	108	42	110	12	37	M16x36	160	14.5	300	250	350	0	45	4 × 18.5	5	70	320	320	220	302	20	500	15	730
180M	2,4,6,8	279	241	121	48	110	14	42.5	M16x36	180	14.5	300	250	350	0	45	4 × 18.5	5	70	355	360	220	311	25	540	18	790
180L	2,4,6,8	279	279	121	48	110	14	42.5	M16x36	180	14.5	300	250	350	0	45	4 × 18.5	5	70	355	360	220	349	25	540	18	810
200L	2,4,6,8	318	305	133	55	110	16	49	M20x42	200	18.5	350	300	400	0	45	4 × 18.5	5	70	400	400	250	366	25	650	18	850
225S	4,6,8	356	286	149	60	140	18	53	M20x42	225	18.5	400	350	450	0	22.5	4 × 18.5	5	75	435	450	250	355	28	695	18	880
225M	2	356	311	149	55	110	16	49	M20x42	225	18.5	400	350	450	0	22.5	4 × 18.5	5	75	435	450	250	380	28	695	18	880
	4,6,8	356	311	149	60	140	18	53	M20x42	225	18.5	400	350	450	0	22.5	4 × 18.5	5	75	435	450	250	380	28	695	18	910
250M	2	406	349	168	60	140	18	53	M20x42	250	24	500	450	550	0	22.5	4 × 18.5	5	80	500	500	275	425	30	730	20	975
	4,6,8	406	349	168	65	140	18	58	M20x42	250	24	500	450	550	0	22.5	4 × 18.5	5	80	500	500	275	425	30	730	20	975
280S	2	457	368	190	65	140	18	58	M20x42	280	24	500	450	550	0	22.5	4 × 18.5	5	85	545	550	275	455	35	800	22	1015
	4,6,8	457	368	190	75	140	20	67.5	M20x42	280	24	500	450	550	0	22.5	4 × 18.5	5	85	545	550	275	455	35	800	22	1045
280M	2	457	419	190	65	140	18	58	M20x42	280	24	500	450	550	0	22.5	4 × 18.5	5	85	545	550	275	505	35	800	22	1070
	4,6,8	457	419	190	75	140	20	67.5	M20x42	280	24	500	450	550	0	22.5	4 × 18.5	5	85	545	550	275	505	35	800	22	1110
315S	2	508	406	216	65	140	18	58	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	630	45	960	25	1220
	4,6,8,10	508	406	216	80	170	22	71	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	630	45	960	25	1290
315M	2	508	457	216	65	140	18	58	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	630	45	960	25	1220
	4,6,8,10	508	457	216	80	170	22	71	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	630	45	960	25	1290
315L	2	508	508	216	65	140	18	58	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	730	45	960	25	1370
	4,6,8,10	508	508	216	80	170	22	71	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	730	45	960	25	1440
355S	2	610	500	254	75	140	20	67.5	M20x42	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	710	52	1030	25	1450
	4,6,8,10	610	500	254	95	170	25	86	M24x47	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	710	52	1030	25	1480
355M	2	610	560	254	75	140	20	67.5	M20x42	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	710	52	1030	25	1450
	4,6,8,10	610	560	254	95	170	25	86	M24x47	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	710	52	1030	25	1480
355L	2	610	630	254	75	140	20	67.5	M20x42	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	810	52	1030	25	1550
	4,6,8,10	610	630	254	95	170	25	86	M24x47	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	810	52	1030	25	1580



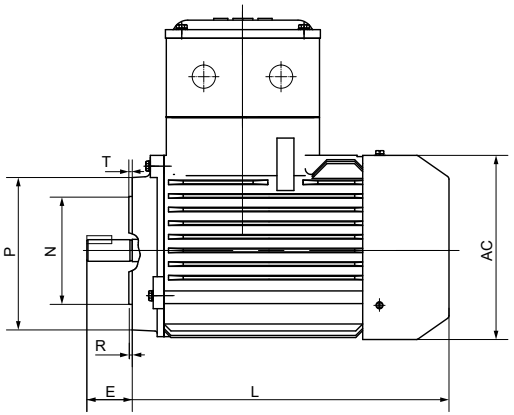


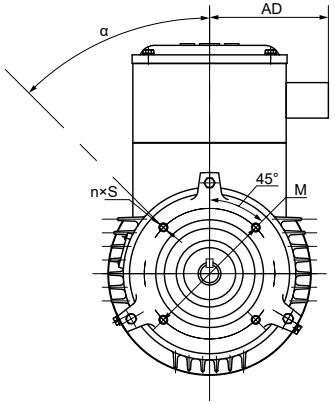


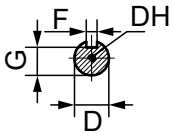
IE3 | B14

Dimensions B14

Frame Size	Poles	D	E	F	G	DH	H	M	N	P	R	α °	n × S	T	AC	AD	L
80	2,4,6,8	19	40	6	15.5	M6x16	80	100	80	120	0	45	4 × 12	3	170	180	325
90S	2,4,6,8	24	50	8	20	M8x19	90	115	95	140	0	45	4 × 12	3	185	180	385
90L	2,4,6,8	24	50	8	20	M8x19	90	115	95	140	0	45	4 × 12	3	185	180	410
100L	2,4,6,8	28	60	8	24	M10x22	100	130	110	160	0	45	4 × 14.5	3.5	210	180	445
112M	2,4,6,8	28	60	8	24	M10x22	112	130	110	160	0	45	4 × 14.5	3.5	225	200	515



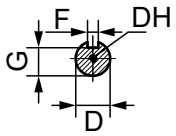


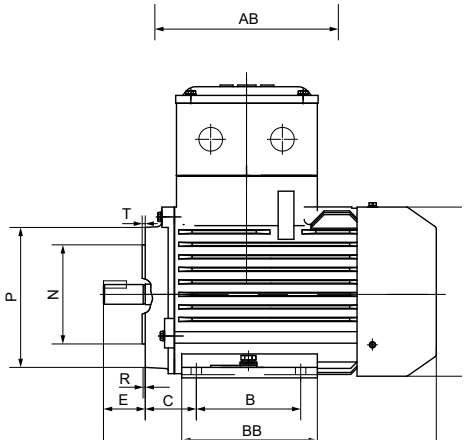


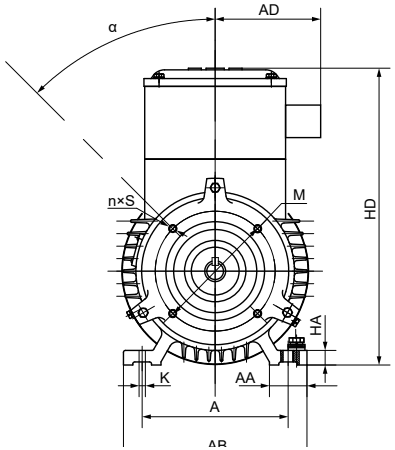
IE3 | B34

Dimensions B34

Frame Size	Poles	A	B	C	D	E	F	G	DH	H	K	M	N	P	R	α °	n × S	T	AA	AB	AC	AD	BB	HA	HD	L
80	2,4,6,8	125	100	50	19	40	6	15.5	M6x16	80	10	100	80	120	0	45	4 × 12	3	34	165	170	180	130	10	320	325
90S	2,4,6,8	140	100	56	24	50	8	20	M8x19	90	10	115	95	140	0	45	4 × 12	3	36	180	185	180	155	14	330	385
90L	2,4,6,8	140	125	56	24	50	8	20	M8x19	90	10	115	95	140	0	45	4 × 12	3	36	180	185	180	180	14	330	410
100L	2,4,6,8	160	140	63	28	60	8	24	M10x22	100	12	130	110	160	0	45	4 × 14.5	3.5	43	205	210	180	176	14	360	445
112M	2,4,6,8	190	140	70	28	60	8	24	M10x22	112	12	130	110	160	0	45	4 × 14.5	3.5	50	240	225	200	230	16	380	515







Technical data

IE4 | 2

2 pole motors

Type	400V 50Hz data at +40°C			460V 60Hz data at +45°C			Efficiency	Efficiency	Efficiency	Power factor	Starting current ratio	Starting torque ratio	Pull out torque ratio	Noise No Load	Vibra-tion No Load	Moment of inertia	Mass (B3)
	Power	Full load speed	Full load current	Power	Full load speed	Full load current	100%	75%	50%								
	kW	rpm	A	kW	rpm	A	%	%	%	cos Φ	I_A/I_N	M_A/M_N	M_{MAX}/M_N	Lw dB(A)	mm/s	kg • m²	kg
3DX-80M1-2	0.75	2895	1.6	0.86	3474	1.6	83.5	83.2	81.4	0.83	8.5	2.2	2.3	67	1.3	0.0012	29
3DX-80M2-2	1.1	2890	2.3	1.3	3468	2.3	85.2	84.9	82.8	0.83	8.5	2.2	2.3	67	1.3	0.0016	31
3DX-90S-2	1.5	2900	2.9	1.7	3480	2.9	86.5	86.0	84.9	0.85	9.0	2.2	2.3	72	1.3	0.0023	36
3DX-90L-2	2.2	2900	4.2	2.5	3480	4.2	88.0	87.4	83.6	0.86	9.0	2.2	2.3	72	1.3	0.0032	42
3DX-100L-2	3	2900	5.6	3.5	3480	5.6	89.1	88.4	87.7	0.87	9.5	2.2	2.3	76	1.3	0.0050	51
3DX-112M-2	4	2915	7.3	4.6	3498	7.3	90.0	89.6	88.5	0.88	9.5	2.2	2.3	77	1.3	0.0086	76
3DX-132S1-2	5.5	2945	9.9	6.3	3534	9.9	90.9	90.8	90.1	0.88	9.5	2.0	2.3	80	1.3	0.0238	105
3DX-132S2-2	7.5	2945	13.3	8.6	3534	13.3	91.7	91.6	90.7	0.89	9.5	2.0	2.3	80	1.3	0.0309	110
3DX-160M1-2	11	2955	19.3	12.7	3546	19.3	92.6	92.5	91.8	0.89	9.5	2.0	2.3	86	1.8	0.0622	169
3DX-160M2-2	15	2955	26.1	17.3	3546	26.1	93.3	92.5	92.0	0.89	9.5	2.0	2.3	86	1.8	0.0763	180
3DX-160L-2	18.5	2955	32.0	21.3	3546	32.0	93.7	93.5	92.6	0.89	9.5	2.0	2.3	86	1.8	0.0923	202
3DX-180M-2	22	2970	38.0	25.3	3564	38.0	94.0	93.9	92.9	0.89	9.5	2.0	2.3	88	1.8	0.1339	255
3DX-200L1-2	30	2970	52	35	3564	52	94.5	94.1	93.7	0.89	9.0	2.0	2.3	90	1.8	0.2331	328
3DX-200L2-2	37	2970	63	43	3564	63	94.8	94.6	93.7	0.89	9.0	2.0	2.3	90	1.8	0.2664	349
3DX-225M-2	45	2975	77	52	3570	77	95.0	94.9	93.8	0.89	9.0	2.0	2.3	92	1.8	0.3481	419
3DX-250M-2	55	2985	94	63	3582	94	95.3	95.0	95.0	0.89	9.0	2.0	2.3	93	1.8	0.9224	608
3DX-280S-2	75	2980	127	86	3576	127	95.6	95.5	94.9	0.89	8.5	1.8	2.3	94	1.8	1.0973	741
3DX-280M-2	90	2980	152	104	3576	152	95.8	95.7	95.0	0.89	8.5	1.8	2.3	94	1.8	1.3030	821
3DX-315S-2	110	2985	186	127	3582	186	96.0	95.8	94.8	0.89	8.5	1.8	2.3	96	2.3	1.7810	1136
3DX-315M-2	132	2985	223	152	3582	223	96.2	96.2	95.3	0.89	8.5	1.8	2.3	96	2.3	2.06	1272
3DX-315L1-2	160	2985	270	184	3582	270	96.3	96.1	95.1	0.89	8.5	1.8	2.2	98	2.3	2.39	1318
3DX-315L2-2	200	2985	336	230	3582	336	96.5	96.3	95.2	0.89	8.5	1.8	2.2	98	2.3	2.78	1450
3DX-355S1-2	185	2985	311	213	3582	311	96.4	96.2	95.1	0.89	8.5	1.8	2.2	98	2.3	3.32	1630
3DX-355S2-2	200	2985	336	230	3582	336	96.5	96.3	95.2	0.89	8.5	1.8	2.2	98	2.3	3.56	1980
3DX-355M1-2	220	2985	362	253	3582	362	96.5	96.2	95.2	0.91	8.5	1.6	2.2	100	2.3	3.91	1980
3DX-355M-2	250	2985	411	288	3582	411	96.5	96.2	95.2	0.91	8.5	1.6	2.2	100	2.3	3.91	2100
3DX-355L1-2	280	2985	460	322	3582	460	96.5	96.2	95.2	0.91	8.5	1.6	2.2	100	2.3	4.30	2150
3DX-355L-2	315	2985	518	362	3582	518	96.5	96.2	95.2	0.91	8.5	1.6	2.2	100	2.3	4.77	2180

Technical data

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4 pole motors

Type	400V 50Hz data at +40°C			460V 60Hz data at +45°C			Efficiency	Efficiency	Efficiency	Power factor	Starting current ratio	Starting torque ratio	Pull out torque ratio	Noise No Load	Vibration No Load	Moment of inertia	Mass (B3)
	Power	Full load speed	Full load current	Power	Full load speed	Full load current	100%	75%	50%								
	kW	rpm	A	kW	rpm	A	%	%	%	cos Φ	I_A/I_N	M_A/M_N	M_{MAX}/M_N	Lw dB(A)	mm/s	kg • m²	kg
3DX-80M1-4	0.55	1440	1.3	0.63	1728	1.3	83.9	84.0	82.6	0.73	8.5	2.3	2.3	58	1.3	0.0023	30
3DX-80M2-4	0.75	1435	1.7	0.86	1722	1.7	85.7	85.5	85.1	0.74	8.5	2.3	2.3	58	1.3	0.0029	31
3DX-90S-4	1.1	1445	2.4	1.3	1734	2.4	87.2	87.3	86.3	0.75	8.5	2.3	2.3	61	1.3	0.0044	39
3DX-90L-4	1.5	1445	3.2	1.7	1734	3.2	88.2	87.9	86.6	0.76	9.0	2.3	2.3	61	1.3	0.0054	44
3DX-100L1-4	2.2	1465	4.5	2.5	1758	4.5	89.5	89.3	87.7	0.79	9.0	2.3	2.3	64	1.3	0.0121	54
3DX-100L2-4	3	1460	6.0	3.5	1752	6.0	90.4	90.3	89.4	0.80	9.5	2.3	2.3	64	1.3	0.0146	61
3DX-112M-4	4	1460	7.9	4.6	1752	7.9	91.1	91.2	90.6	0.80	9.5	2.3	2.3	65	1.3	0.0197	83
3DX-132S-4	5.5	1475	12.2	6.3	1770	12.2	91.9	91.8	91.2	0.80	9.5	2.0	2.3	71	1.3	0.0510	112
3DX-132M-4	7.5	1475	15.6	8.6	1770	15.6	92.6	92.5	91.7	0.81	9.5	2.0	2.3	71	1.3	0.0673	123
3DX-160M-4	11	1475	22.3	12.7	1770	22.3	93.3	93.2	92.4	0.83	9.5	2.2	2.3	75	1.8	0.1251	178
3DX-160L-4	15	1475	29.1	17.3	1770	29.1	93.9	94.0	92.9	0.84	9.5	2.2	2.3	75	1.8	0.1547	194
3DX-180M-4	18.5	1480	35.7	21.3	1776	35.7	94.2	94.1	93.2	0.85	9.5	2.0	2.3	76	1.8	0.2203	245
3DX-180L-4	22	1480	41.8	25.3	1776	41.8	94.5	94.5	93.9	0.85	9.5	2.0	2.3	76	1.8	0.2399	257
3DX-200L-4	30	1485	56	34.5	1782	56	94.9	94.7	94.0	0.85	9.0	2.0	2.3	79	1.8	0.4637	331
3DX-225S-4	37	1485	68	42.6	1782	68	95.2	95.1	94.3	0.85	9.0	2.0	2.3	81	1.8	0.6466	433
3DX-225M-4	45	1485	83	52	1782	83	95.4	95.5	95.0	0.85	9.0	2.0	2.3	81	1.8	0.7153	458
3DX-250M-4	55	1485	99	63	1782	99	95.7	95.6	94.9	0.86	9.0	2.0	2.3	83	1.8	1.1725	594
3DX-280S-4	75	1490	135	86	1788	135	96.0	95.9	95.2	0.87	8.5	2.0	2.3	86	1.8	1.7106	707
3DX-280M-4	90	1490	160	104	1788	160	96.1	96.1	95.5	0.88	8.5	2.0	2.3	86	1.8	1.9672	764
3DX-315S-4	110	1490	195	127	1788	195	96.3	96.2	95.9	0.89	8.5	1.8	2.2	93	2.3	3.17	1145
3DX-315M-4	132	1490	231	152	1788	231	96.4	96.3	95.9	0.89	8.5	1.8	2.2	93	2.3	3.70	1285
3DX-315L1-4	160	1490	279	184	1788	279	96.6	96.5	96.2	0.90	8.5	1.8	2.2	93	2.3	4.60	1360
3DX-315L2-4	200	1490	349	230	1788	349	96.7	96.6	96.1	0.90	8.5	1.8	2.2	94	2.3	5.71	1515
3DX-355S1-4	185	1490	307	213	1788	307	96.7	96.6	96.1	0.90	8.5	1.8	2.2	94	2.3	6.32	1784
3DX-355S2-4	200	1490	349	230	1788	349	96.7	96.6	96.1	0.90	8.5	1.8	2.2	94	2.3	7.15	1810
3DX-355M1-4	220	1490	365	253	1788	365	96.7	96.6	95.9	0.90	8.5	1.8	2.2	95	2.3	8.09	1810
3DX-355M2-4	250	1490	435	288	1788	435	96.7	96.6	95.9	0.90	8.5	1.8	2.2	95	2.3	9.35	2060
3DX-355L1-4	280	1490	564	322	1788	564	96.7	96.7	96.3	0.90	8.5	1.8	2.2	95	2.3	10.07	2088
3DX-355L2-4	315	1490	522	362	1788	522	96.7	96.7	96.3	0.90	8.5	1.8	2.2	95	2.3	10.78	2113

Technical data

6 pole motors

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Type	400V 50Hz data at +40°C			460V 60Hz data at +45°C			Efficiency	Efficiency	Efficiency	Power factor	Starting current ratio	Starting torque ratio	Pull out torque ratio	Noise No Load	Vibration No Load	Moment of Inertia	Mass (B3)
	Power	Full load speed	Full load current	Power	Full load speed	Full load current	100%	75%	50%								
	kW	rpm	A	kW	rpm	A	%	%	%	cos Φ	I_A/I_N	M_A/M_N	M_{MAX}/M_N	Lw dB(A)	mm/s	kg • m²	kg
3DX-80M1-6	0.37	900	1.0	0.43	1080	1.0	78.0	78.2	77.7	0.69	6.0	1.9	2.0	54	1.3	0.0029	28
3DX-80M2-6	0.55	900	1.4	0.63	1080	1.4	80.9	81.3	79.5	0.71	6.0	1.9	2.0	54	1.3	0.0035	29
3DX-90S-6	0.75	955	1.9	0.86	1152	1.9	82.7	83.0	81.7	0.70	7.5	2.1	2.1	57	1.3	0.0056	36
3DX-90L-6	1.1	955	2.7	1.3	1152	2.7	84.5	84.7	83.4	0.70	7.5	2.1	2.1	57	1.3	0.0076	41
3DX-100L-6	1.5	955	3.6	1.7	1158	3.6	85.9	86.0	85.7	0.71	7.5	2.1	2.1	61	1.3	0.0156	52
3DX-112M-6	2.2	950	5.1	2.5	1164	5.1	87.4	87.5	85.8	0.71	7.5	2.1	2.1	65	1.3	0.0280	77
3DX-132S-6	3	970	6.9	3.5	1170	6.9	88.6	88.8	86.8	0.71	7.5	2.0	2.1	69	1.3	0.0448	91
3DX-132M1-6	4	970	9.0	4.6	1170	9.0	89.5	89.6	88.4	0.72	8.0	2.0	2.1	69	1.3	0.0553	105
3DX-132M2-6	5.5	970	12.2	6.3	1170	12.2	90.5	90.6	89.3	0.72	8.0	2.0	2.1	69	1.3	0.0791	119
3DX-160M-6	7.5	975	15.6	8.6	1176	15.6	91.3	91.2	90.9	0.76	8.0	2.0	2.1	73	1.8	0.1333	158
3DX-160L-6	11	975	22.3	12.7	1176	22.3	92.3	92.3	91.8	0.77	8.5	2.0	2.1	73	1.8	0.2040	200
3DX-180L-6	15	980	29.1	17.3	1182	29.1	92.9	93.0	91.3	0.80	8.5	2.0	2.1	73	1.8	0.3314	252
3DX-200L1-6	18.5	980	35.7	21.3	1182	35.7	93.4	93.5	92.6	0.80	8.5	2.0	2.1	76	1.8	0.4258	284
3DX-200L2-6	22	980	41.8	25.3	1182	41.8	93.7	93.7	92.7	0.81	8.5	2.0	2.1	76	1.8	0.5204	312
3DX-225M-6	30	985	56	34.5	1182	56	94.2	94.3	93.8	0.82	8.3	2.0	2.1	76	1.8	0.8556	388
3DX-250M-6	37	985	68	42.6	1188	68	94.5	94.7	93.7	0.83	8.3	2.0	2.1	78	1.8	1.4940	551
3DX-280S-6	45	985	83	52	1188	83	94.8	94.7	93.9	0.83	8.5	2.0	2.0	80	1.8	2.09	650
3DX-280M-6	55	985	99	63	1188	99	95.1	95.1	94.3	0.84	8.0	2.0	2.0	80	1.8	2.43	706
3DX-315S-6	75	990	135	86	1188	135	95.4	95.4	94.7	0.84	8.0	1.6	2.0	85	2.3	3.64	1050
3DX-315M-6	90	990	160	104	1188	160	95.6	95.7	95.0	0.85	8.0	1.6	2.0	85	2.3	4.27	1105
3DX-315L1-6	110	990	195	127	1188	195	95.8	95.7	95.6	0.85	8.0	1.6	2.0	85	2.3	5.04	1230
3DX-315L2-6	132	990	231	152	1188	231	96.0	96.3	95.6	0.86	8.0	1.6	2.0	85	2.3	6.02	1370
3DX-355S-6	160	990	279	184	1188	279	96.2	96.0	95.2	0.86	8.0	1.6	2.0	92	2.3	10.87	1779
3DX-355M1-6	185	990	323	213	1188	323	96.2	96.0	95.2	0.86	8.0	1.6	2.0	92	2.3	12.23	1834
3DX-355M2-6	200	990	349	230	1188	349	96.3	96.3	95.6	0.86	8.0	1.6	2.0	92	2.3	13.59	1892
3DX-355L1-6	220	990	383	253	1188	383	96.4	96.3	95.7	0.86	8.0	1.6	2.0	92	2.3	14.38	2176
3DX-355L-6	250	990	435	288	1188	435	96.5	96.6	96.0	0.86	8.0	1.6	2.0	92	2.3	15.40	2305

Technical data

8 – 10 pole motors

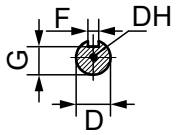
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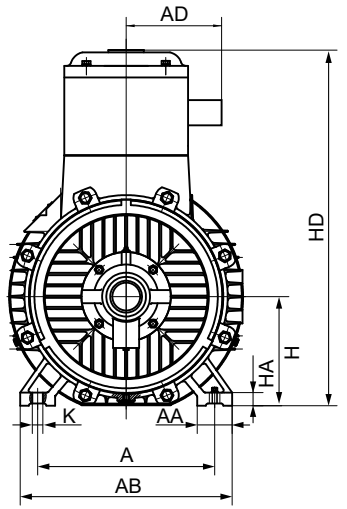
Type	400V 50Hz data at +40°C			460V 60Hz data at +45°C			Efficiency	Efficiency	Efficiency	Power factor	Starting current ratio	Starting torque ratio	Pull out torque ratio	Noise No Load	Vibration No Load	Moment of inertia	Mass (B3)
	Power	Full load speed	Full load current	Power	Full load speed	Full load current	100%	75%	50%								
	kW	rpm	A	kW	rpm	A	%	%	%	cos Φ	I_A/I_N	M_A/M_N	M_{MAX}/M_N	Lw dB(A)	mm/s	kg • m²	kg
8 pole motors																	
3DX-100L1-8	0.75	705	2.1	0.86	846	2.1	78.4	78.5	76.1	0.66	7.0	2.0	2.0	59	1.3	0.0092	55
3DX-100L2-8	1.1	705	2.9	1.3	846	2.9	80.8	80.9	78.4	0.67	7.0	2.0	2.0	59	1.3	0.0141	72
3DX-112M-8	1.5	710	3.8	1.7	852	3.8	82.6	82.7	80.1	0.69	7.0	1.8	2.0	61	1.3	0.0205	79
3DX-132S-8	2.2	725	5.4	2.5	870	5.4	84.5	84.6	84.3	0.70	7.5	1.8	2.0	64	1.3	0.0448	94
3DX-132M-8	3	725	7.2	3.5	870	7.2	85.9	85.8	85.5	0.70	7.8	1.8	2.0	64	1.3	0.0580	106
3DX-160M1-8	4	725	9.3	4.6	870	9.3	87.1	86.9	86.6	0.71	7.9	1.8	2.0	68	1.8	0.0833	149
3DX-160M2-8	5.5	725	12.5	6.3	870	12.5	88.3	89.1	87.9	0.72	8.1	1.8	2.0	68	1.8	0.1083	178
3DX-160L-8	7.5	725	16.4	8.6	870	16.4	89.3	89.2	88.5	0.74	7.8	1.8	2.0	68	1.8	0.1582	180
3DX-180L-8	11	735	23.7	12.7	882	23.7	90.4	90.2	89.5	0.74	7.9	1.8	2.0	70	1.8	0.2628	232
3DX-200L-8	15	735	31.7	17.3	882	31.7	91.2	91.1	90.7	0.75	8.0	1.8	2.0	73	1.8	0.3779	284
3DX-225S-8	18.5	740	38.8	21.3	888	38.8	91.7	91.8	91.2	0.75	8.1	1.8	2.0	73	1.8	0.6315	346
3DX-225M-8	22	740	45.4	25.3	888	45.4	92.1	92.0	91.6	0.76	8.3	1.8	2.0	73	1.8	0.7538	363
3DX-250M-8	30	740	61	34.5	888	61	92.7	92.7	92.1	0.77	7.9	1.8	2.0	75	1.8	1.2715	502
3DX-280S-8	37	740	74	42.6	888	74	93.1	93.0	92.5	0.78	7.9	1.8	2.0	76	1.8	1.9246	565
3DX-280M-8	45	740	89	52	888	89	93.4	93.3	93.1	0.78	7.9	1.8	2.0	76	1.8	2.38	690
3DX-315S-8	55	740	106	63	888	106	93.7	93.6	93.4	0.80	8.2	1.6	2.0	82	2.3	3.79	980
3DX-315M-8	75	740	144	86	888	144	94.2	94.1	94.1	0.80	7.6	1.6	2.0	82	2.3	5.19	1090
3DX-315L1-8	90	740	170	104	888	170	94.4	94.5	93.9	0.81	7.7	1.6	2.0	82	2.3	6.18	1272
3DX-315L2-8	110	740	207	127	888	207	94.7	94.7	94.0	0.81	7.7	1.6	2.0	82	2.3	7.25	1310
3DX-355S-8	132	740	248	152	888	248	94.9	94.8	93.9	0.81	7.7	1.6	2.0	90	2.3	11.85	1920
3DX-355M-8	160	740	296	184	888	296	95.1	95.1	94.3	0.82	7.7	1.6	2.0	90	2.3	14.49	1946
3DX-355L1-8	185	740	342	213	888	342	95.2	95.1	94.4	0.82	7.7	1.6	2.0	90	2.3	15.61	2186
3DX-355L2-8	200	740	369	230	888	369	95.4	95.3	94.6	0.82	7.8	1.6	2.0	90	2.3	17.56	2278
10 pole motors																	
3DX-315S-10	45	590	95	52	708	95	91.2	91.3	88.5	0.75	6.2	1.5	2.0	82	2.3	3.79	972
3DX-315M-10	55	590	115	63	708	115	91.8	91.9	89.1	0.75	6.2	1.5	2.0	82	2.3	4.62	1080
3DX-315L1-10	75	590	154	86	708	154	92.3	92.4	89.5	0.76	6.2	1.5	2.0	82	2.3	6.19	1226
3DX-315L2-10	90	590	182	104	708	182	92.9	93.0	90.1	0.77	6.2	1.5	2.0	82	2.3	7.26	1284
3DX-355S-10	90	590	182	104	708	182	92.9	93.0	90.1	0.77	6.0	1.3	2.0	82	2.3	9.35	1405
3DX-355M1-10	110	590	219	127	708	219	93.1	93.2	90.3	0.78	6.0	1.3	2.0	90	2.3	10.61	1880
3DX-355M2-10	132	590	261	152	708	261	93.5	93.6	90.7	0.78	6.0	1.3	2.0	90	2.3	12.70	1960
3DX-355L1-10	160	590	317	184	708	317	93.5	93.6	90.7	0.78	6.0	1.3	2.0	90	2.3	15.64	2086
3DX-355L2-10	185	590	366	213	708	366	93.5	93.6	90.7	0.78	6.0	1.3	2.0	90	2.3	17.88	2312

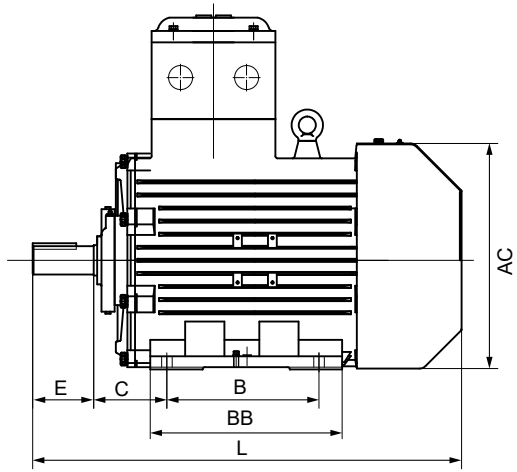
Dimensions B3

IE4 | B3

Frame Size	Poles	A	B	C	D	E	F	G	DH	H	K	AA	AB	AC	AD	BB	HA	HD	L
80M	2,4,6,8	125	100	50	19	40	6	15.5	M6x16	80	10	34	160	185	165	130	10	310	320
90S	2,4,6,8	140	100	56	24	50	8	20	M8x19	90	10	36	180	205	165	180	14	320	395
90L	2,4,6,8	140	125	56	24	50	8	20	M8x19	90	10	36	180	205	165	190	14	320	425
100L	2,4,6,8	160	140	63	28	60	8	24	M10x22	100	12	43	200	225	165	176*	14	340	450*
112M	2,4,6,8	190	140	70	28	60	8	24	M10x22	112	12	50	245	245	175	280	16	365	525
132S	2,4,6,8	216	140	89	38	80	10	33	M12x28	132	12	60	280	297	175	245	18	430	550
132M	2,4,6,8	216	178	89	38	80	10	33	M12x28	132	12	60	280	297	175	285	18	430	590
160M	2,4,6,8	254	210	108	42	110	12	37	M16x36	160	14.5	70	330	330	202	305	20	500	710
160L	2,4,6,8	254	254	108	42	110	12	37	M16x36	160	14.5	70	330	330	202	350	20	500	750
180M	2,4,6,8	279	241	121	48	110	14	42.5	M16x36	180	14.5	70	355	375	202	370	25	535	815
180L	2,4,6,8	279	279	121	48	110	14	42.5	M16x36	180	14.5	70	355	375	202	390	25	535	835
200L	2,4,6,8	318	305	133	55	110	16	49	M20x42	200	18.5	70	390	426	230	380	25	610	850
225S	4,6,8	356	286	149	60	140	18	53	M20x42	225	18.5	75	435	470	230	390	28	645	930
225M	2	356	311	149	55	110	16	49	M20x42	225	18.5	75	435	470	230	420	28	645	930
	4,6,8	356	311	149	60	140	18	53	M20x42	225	18.5	80	490	540	270	450	28	645	960
250M	2	406	349	168	60	140	18	53	M20x42	250	24	85	545	550	270	465	30	720	1000
	4,6,8	406	349	168	65	140	18	58	M20x42	250	24	85	545	550	270	520	30	720	1000
280S	2	457	368	190	65	140	18	58	M20x42	280	24	120	635	620	310	630	35	800	1065
	4,6,8	457	368	190	75	140	20	67.5	M20x42	280	24	120	635	620	310	730	35	800	1085
280M	2	457	419	190	65	140	18	58	M20x42	280	24	120	635	620	310	880	35	800	1120
	4,6,8	457	419	190	75	140	20	67.5	M20x42	280	24	150	735	700	310	710	35	800	1140
315S	2	508	406	216	65	140	18	58	M20x42	315	28	150	735	700	310	810	45	930	1220
	4,6,8,10	508	406	216	80	170	22	71	M20x42	315	28	150	735	700	310	940	45	930	1290
315M	2	508	457	216	65	140	18	58	M20x42	315	28	120	640	630	350	630	45	930	1370
	4,6,8,10	508	457	216	80	170	22	71	M20x42	315	28	120	640	630	350	630	45	930	1440
315L	2	508	508	216	65	140	18	58	M20x42	315	28	120	640	630	350	730	45	930	1470
	4,6,8,10	508	508	216	80	170	22	71	M20x42	315	28	120	640	630	350	730	45	930	1540
355S	2	610	500	254	75	140	20	67.5	M20x42	355	28	150	740	710	350	710	52	1000	1450
	4,6,8,10	610	500	254	95	170	25	86	M24x47	355	28	150	740	710	350	710	52	1000	1490
355M	2	610	560	254	75	140	20	67.5	M20x42	355	28	150	740	710	350	710	52	1000	1550
	4,6,8,10	610	560	254	95	170	25	86	M24x47	355	28	150	740	710	350	710	52	1000	1590
355L	2	610	630	254	75	140	20	67.5	M20x42	355	28	150	740	710	350	810	52	1000	1680
	4,6,8,10	610	630	254	95	170	25	86	M24x47	355	28	150	740	710	350	810	52	1000	1720







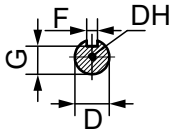
* BB = 230 & L = 490 for 3DX 100L2-4 IE4

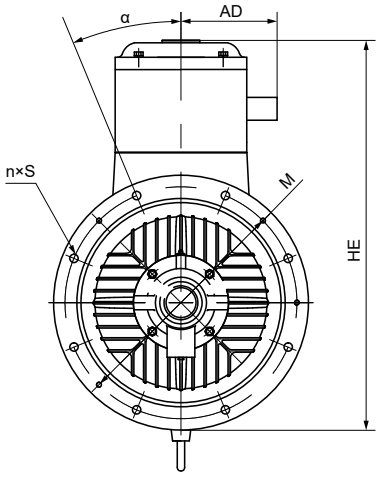
IE4 | B5

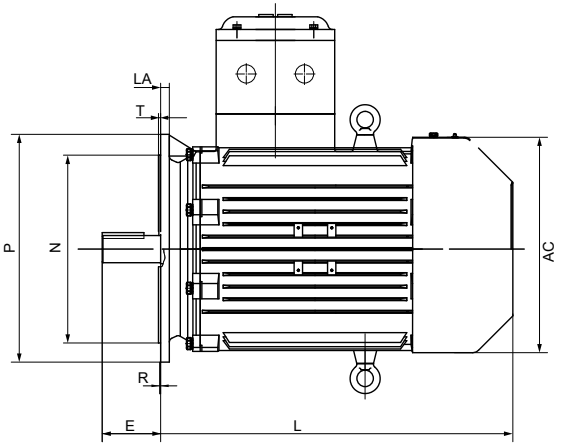
Dimensions B5

机座号 Frame Size	极数 Poles	D	E	F	G	DH	H	M	N	P	S	T	AC	AD	HE	LA	L	LA	L
80M	2,4,6,8	19	40	6	15,5	M6x16	80	165	130	200	12	3,5	185	165	330	12	320	12	320
90S	2,4,6,8	24	50	8	20	M8x19	90	165	130	200	12	3,5	205	165	345	14	395	14	395
90L	2,4,6,8	24	50	8	20	M8x19	90	165	130	200	12	3,5	205	165	345	14	425	14	425
100L	2,4,6,8	28	60	8	24	M10x22	100	215	180	250	14,5	4	225	165	380	14	450*	14	450*
112M	2,4,6,8	28	60	8	24	M10x22	112	215	180	250	14,5	4	245	175	405	14	525	14	525
132S	2,4,6,8	38	80	10	33	M12x28	132	265	230	300	14,5	4	297	175	490	14	550	14	550
132M	2,4,6,8	38	80	10	33	M12x28	132	265	230	300	14,5	4	297	175	490	14	590	14	590
160M	2,4,6,8	42	110	12	37	M16x36	160	300	250	350	18,5	5	330	202	520	15	710	15	710
160L	2,4,6,8	42	110	12	37	M16x36	160	300	250	350	18,5	5	330	202	520	15	750	15	750
180M	2,4,6,8	48	110	14	42,5	M16x36	180	300	250	350	18,5	5	375	202	535	18	815	18	815
180L	2,4,6,8	48	110	14	42,5	M16x36	180	300	250	350	18,5	5	375	202	535	18	835	18	835
200L	2,4,6,8	55	110	16	49	M20x42	200	350	300	400	18,5	5	426	230	610	18	850	18	850
225S	4,6,8	60	140	18	53	M20x42	225	400	350	450	18,5	5	470	230	645	18	930	18	930
225M	2	55	110	16	49	M20x42	225	400	350	450	18,5	5	470	230	645	18	930	18	930
	4,6,8	60	140	18	53	M20x42	225	400	350	450	18,5	5	540	270	645	18	960	18	960
250M	2	60	140	18	53	M20x42	250	500	450	550	18,5	5	550	270	745	20	1000	20	1000
	4,6,8	65	140	18	58	M20x42	250	500	450	550	18,5	5	550	270	745	20	1000	20	1000
280S	2	65	140	18	58	M20x42	280	500	450	550	18,5	5	620	310	795	22	1065	22	1065
	4,6,8	75	140	20	67,5	M20x42	280	500	450	550	18,5	5	620	310	795	22	1085	22	1085
280M	2	65	140	18	58	M20x42	280	500	450	550	18,5	5	620	310	795	22	1120	22	1120
	4,6,8	75	140	20	67,5	M20x42	280	500	450	550	18,5	5	700	310	795	22	1140	22	1140
315S	2	65	140	18	58	M20x42	315	600	550	660	24	6	700	310	945	25	1220	25	1220
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	24	6	700	310	945	25	1290	25	1290
315M	2	65	140	18	58	M20x42	315	600	550	660	24	6	630	350	945	25	1370	25	1370
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	24	6	630	350	945	25	1440	25	1440
315L	2	65	140	18	58	M20x42	315	600	550	660	24	6	630	350	945	25	1470	25	1470
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	24	6	630	350	945	25	1540	25	1540
355S	2	75	140	20	67,5	M20x42	355	740	680	800	24	6	710	350	1115	25	1450	25	1450
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	24	6	710	350	1115	25	1490	25	1490
355M	2	75	140	20	67,5	M20x42	355	740	680	800	24	6	710	350	1115	25	1550	25	1550
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	24	6	710	350	1115	25	1590	25	1590
355L	2	75	140	20	67,5	M20x42	355	740	680	800	24	6	710	350	1115	25	1680	25	1680
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	24	6	710	350	1115	25	1720	25	1720

* BB = 230 & L = 490 for 3DX 100L2-4 IE4





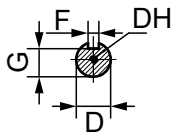


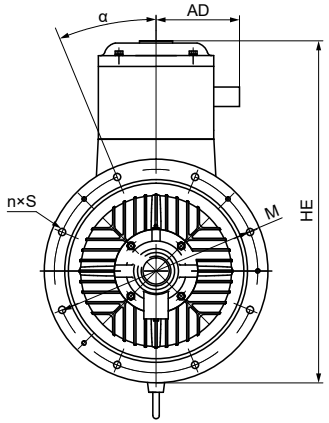
IE4 | V1

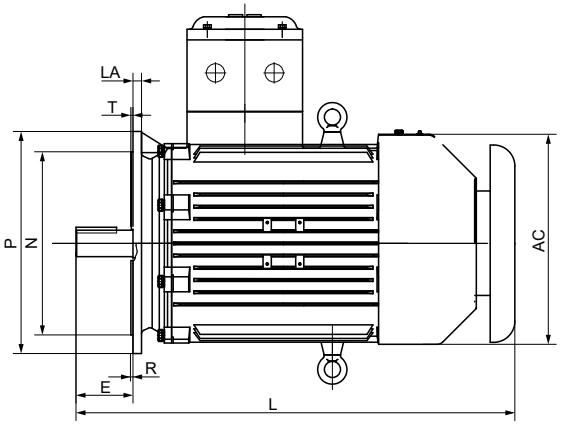
Dimensions V1

Frame Size	Poles	D	E	F	G	DH	H	M	N	P	R	α°	n × S	T	AC	AD	HE	LA	L
80M	2,4,6,8	19	40	6	15.5	M6x16	80	165	130	200	0	45	4 × 12	3.5	185	165	330	12	360
90S	2,4,6,8	24	50	8	20	M8x19	90	165	130	200	0	45	4 × 12	3.5	205	165	345	14	435
90L	2,4,6,8	24	50	8	20	M8x19	90	165	130	200	0	45	4 × 12	3.5	205	165	345	14	465
100L	2,4,6,8	28	60	8	24	M10x22	100	215	180	250	0	45	4 × 14.5	4	225	165	380	14	490*
112M	2,4,6,8	28	60	8	24	M10x22	112	215	180	250	0	45	4 × 14.5	4	245	175	405	14	565
132S	2,4,6,8	38	80	10	33	M12x28	132	265	230	300	0	45	4 × 14.5	4	297	175	490	14	590
132M	2,4,6,8	38	80	10	33	M12x28	132	265	230	300	0	45	4 × 14.5	4	297	175	490	14	630
160M	2,4,6,8	42	110	12	37	M16x36	160	300	250	350	0	45	4 × 18.5	5	330	202	520	15	760
160L	2,4,6,8	42	110	12	37	M16x36	160	300	250	350	0	45	4 × 18.5	5	330	202	520	15	800
180M	2,4,6,8	48	110	14	42.5	M16x36	180	300	250	350	0	45	4 × 18.5	5	375	202	535	18	875
180L	2,4,6,8	48	110	14	42.5	M16x36	180	300	250	350	0	45	4 × 18.5	5	375	202	535	18	895
200L	2,4,6,8	55	110	16	49	M20x42	200	350	300	400	0	45	4 × 18.5	5	426	230	610	18	920
225S	4,6,8	60	140	18	53	M20x42	225	400	350	450	0	22.5	4 × 18.5	5	470	230	645	18	1020
225M	2	55	110	16	49	M20x42	225	400	350	450	0	22.5	4 × 18.5	5	470	230	645	18	1020
	4,6,8	60	140	18	53	M20x42	225	400	350	450	0	22.5	4 × 18.5	5	540	270	645	18	1050
250M	2	60	140	18	53	M20x42	250	500	450	550	0	22.5	4 × 18.5	5	550	270	745	20	1105
	4,6,8	65	140	18	58	M20x42	250	500	450	550	0	22.5	4 × 18.5	5	550	270	745	20	1105
280S	2	65	140	18	58	M20x42	280	500	450	550	0	22.5	4 × 18.5	5	620	310	795	22	1180
	4,6,8	75	140	20	67.5	M20x42	280	500	450	550	0	22.5	4 × 18.5	5	620	310	795	22	1200
280M	2	65	140	18	58	M20x42	280	500	450	550	0	22.5	4 × 18.5	5	620	310	795	22	1235
	4,6,8	75	140	20	67.5	M20x42	280	500	450	550	0	22.5	4 × 18.5	5	700	310	795	22	1255
315S	2	65	140	18	58	M20x42	315	600	550	660	0	22.5	8 × 24	6	700	310	945	25	1340
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	0	22.5	8 × 24	6	700	310	945	25	1410
315M	2	65	140	18	58	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	945	25	1490
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	945	25	1560
315L	2	65	140	18	58	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	945	25	1590
	4,6,8,10	80	170	22	71	M20x42	315	600	550	660	0	22.5	8 × 24	6	630	350	945	25	1660
355S	2	75	140	20	67.5	M20x42	355	740	680	800	0	22.5	8 × 24	6	710	350	1115	25	1590
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	0	22.5	8 × 24	6	710	350	1115	25	1630
355M	2	75	140	20	67.5	M20x42	355	740	680	800	0	22.5	8 × 24	6	710	350	1115	25	1690
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	0	22.5	8 × 24	6	710	350	1115	25	1730
355L	2	75	140	20	67.5	M20x42	355	740	680	800	0	22.5	8 × 24	6	710	350	1115	25	1820
	4,6,8,10	95	170	25	86	M24x47	355	740	680	800	0	22.5	8 × 24	6	710	350	1115	25	1860

* BB = 230 & L = 530 for 3DX 100L2-4 IE4





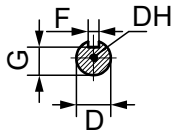


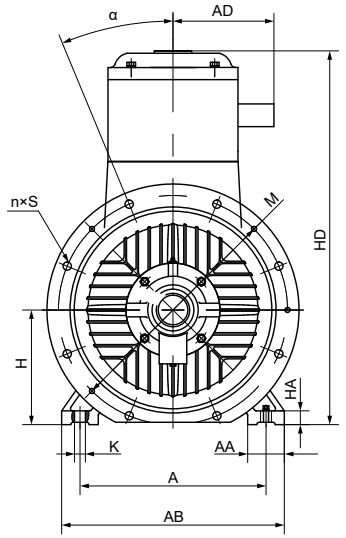
IE4 | B35

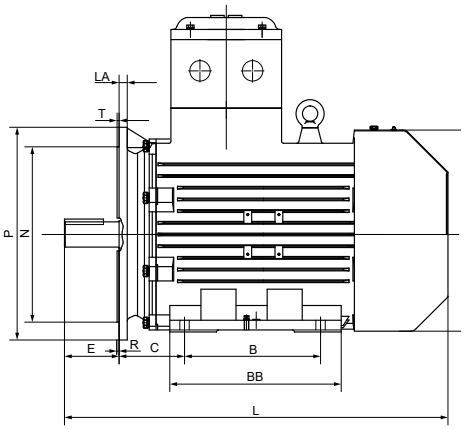
Dimensions B35

Frame Size	Poles	A	B	C	D	E	F	G	DH	H	K	M	N	P	R	°	n × S	T	AA	AB	AC	AD	BB	HA	HD	LA	L
80M	2,4,6,8	125	100	50	19	40	6	15.5	M6x16	80	10	165	130	200	0	45	4 × 12	3.5	34	160	185	165	130	10	310	12	320
90S	2,4,6,8	140	100	56	24	50	8	20	M8x19	90	10	165	130	200	0	45	4 × 12	3.5	36	180	205	165	180	14	320	14	395
90L	2,4,6,8	140	125	56	24	50	8	20	M8x19	90	10	165	130	200	0	45	4 × 12	3.5	36	180	205	165	190	14	320	14	425
100L	2,4,6,8	160	140	63	28	60	8	24	M10x22	100	12	215	180	250	0	45	4 × 14.5	4	43	200	225	165	176*	14	340	14	450*
112M	2,4,6,8	190	140	70	28	60	8	24	M10x22	112	12	215	180	250	0	45	4 × 14.5	4	50	245	245	175	280	16	365	14	525
132S	2,4,6,8	216	140	89	38	80	10	33	M12x28	132	12	265	230	300	0	45	4 × 14.5	4	60	280	297	175	245	18	430	14	550
132M	2,4,6,8	216	178	89	38	80	10	33	M12x28	132	12	265	230	300	0	45	4 × 14.5	4	60	280	297	175	285	18	430	14	590
160M	2,4,6,8	254	210	108	42	110	12	37	M16x36	160	14.5	300	250	350	0	45	4 × 18.5	5	70	330	330	202	305	20	500	15	710
160L	2,4,6,8	254	254	108	42	110	12	37	M16x36	160	14.5	300	250	350	0	45	4 × 18.5	5	70	330	330	202	350	20	500	15	750
180M	2,4,6,8	279	241	121	48	110	14	42.5	M16x36	180	14.5	300	250	350	0	45	4 × 18.5	5	70	355	375	202	370	25	535	18	815
180L	2,4,6,8	279	279	121	48	110	14	42.5	M16x36	180	14.5	300	250	350	0	45	4 × 18.5	5	70	355	375	202	390	25	535	18	835
200L	2,4,6,8	318	305	133	55	110	16	49	M20x42	200	18.5	350	300	400	0	45	4 × 18.5	5	70	390	426	230	380	25	610	18	850
225S	4,6,8	356	286	149	60	140	18	53	M20x42	225	18.5	400	350	450	0	22.5	4 × 18.5	5	75	435	470	230	390	28	645	18	930
225M	2	356	311	149	55	110	16	49	M20x42	225	18.5	400	350	450	0	22.5	4 × 18.5	5	75	435	470	230	420	28	645	18	930
	4,6,8	356	311	149	60	140	18	53	M20x42	225	18.5	400	350	450	0	22.5	4 × 18.5	5	80	490	540	270	450	28	645	18	960
250M	2	406	349	168	60	140	18	53	M20x42	250	24	500	450	550	0	22.5	4 × 18.5	5	85	545	550	270	465	30	720	20	1000
	4,6,8	406	349	168	65	140	18	58	M20x42	250	24	500	450	550	0	22.5	4 × 18.5	5	85	545	550	270	520	30	720	20	1000
280S	2	457	368	190	65	140	18	58	M20x42	280	24	500	450	550	0	22.5	4 × 18.5	5	120	635	620	310	630	35	800	22	1065
	4,6,8	457	368	190	75	140	20	67.5	M20x42	280	24	500	450	550	0	22.5	4 × 18.5	5	120	635	620	310	730	35	800	22	1085
280M	2	457	419	190	65	140	18	58	M20x42	280	24	500	450	550	0	22.5	4 × 18.5	5	120	635	620	310	880	35	800	22	1120
	4,6,8	457	419	190	75	140	20	67.5	M20x42	280	24	500	450	550	0	22.5	4 × 18.5	5	150	735	700	310	710	35	800	22	1140
315S	2	508	406	216	65	140	18	58	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	150	735	700	310	810	45	930	25	1220
	4,6,8,10	508	406	216	80	170	22	71	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	150	735	700	310	940	45	930	25	1290
315M	2	508	457	216	65	140	18	58	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	630	45	930	25	1370
	4,6,8,10	508	457	216	80	170	22	71	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	630	45	930	25	1440
315L	2	508	508	216	65	140	18	58	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	730	45	930	25	1470
	4,6,8,10	508	508	216	80	170	22	71	M20x42	315	28	600	550	660	0	22.5	8 × 24	6	120	640	630	350	730	45	930	25	1540
355S	2	610	500	254	75	140	20	67.5	M20x42	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	710	52	1000	25	1450
	4,6,8,10	610	500	254	95	170	25	86	M24x47	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	710	52	1000	25	1490
355M	2	610	560	254	75	140	20	67.5	M20x42	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	710	52	1000	25	1550
	4,6,8,10	610	560	254	95	170	25	86	M24x47	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	710	52	1000	25	1590
355L	2	610	630	254	75	140	20	67.5	M20x42	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	810	52	1000	25	1680
	4,6,8,10	610	630	254	95	170	25	86	M24x47	355	28	740	680	800	0	22.5	8 × 24	6	150	740	710	350	810	52	1000	25	1720

* BB = 230 & L = 490 for 3DX 100L2-4 IE4





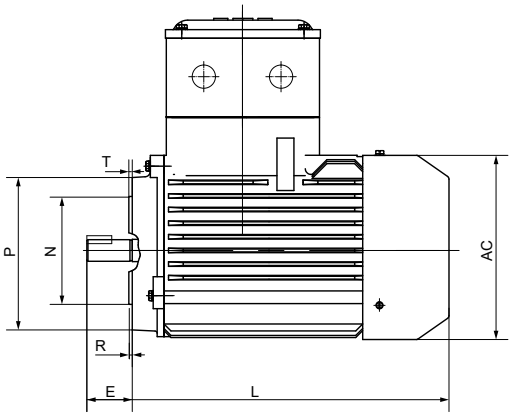


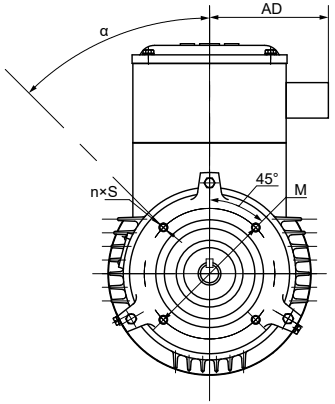
IE4 | B14

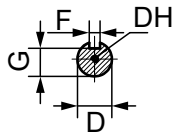
Dimensions B14

机座号 Frame Size	极数 Poles	D	E	F	G	DH	H	M	N	P	R	α°	n×S	T	AC	AD	L
80	2,4	19	40	6	15.5	M6x16	80	100	80	120	0	45	4×12	3	185	165	320
90S	2,4,6	24	50	8	20	M8x19	90	115	95	140	0	45	4×12	3	205	165	395
90L	2,4,6	24	50	8	20	M8x19	90	115	95	140	0	45	4×12	3	205	165	425
100L	2,4,6	28	60	8	24	M10x22	100	130	110	160	0	45	4×14.5	3.5	225	165	450*
112M	2,4,6	28	60	8	24	M10x22	112	130	110	160	0	45	4×14.5	3.5	245	175	525

* BB = 230 & L = 490 for 3DX 100L2-4 IE4





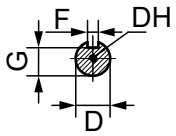


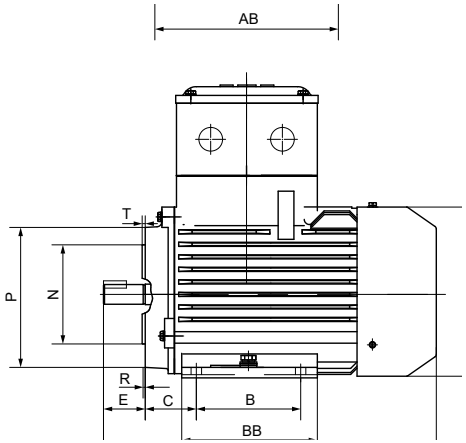
IE4 | B34

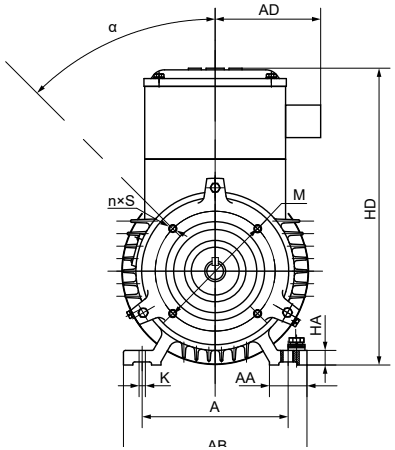
Dimensions B34

机座号 Frame Size	极数 Poles	A	B	C	D	E	F	G	DH	H	K	M	N	P	R	α°	n×S	T	AA	AB	AC	AD	BB	HA	HD	L
80	2,4,6,8	125	100	50	19	40	6	15.5	M6x16	80	10	100	80	120	0	45	4×12	3	34	160	185	165	130	10	310	320
90S	2,4,6,8	140	100	56	24	50	8	20	M8x19	90	10	115	95	140	0	45	4×12	3	36	180	205	165	180	14	320	395
90L	2,4,6,8	140	125	56	24	50	8	20	M8x19	90	10	115	95	140	0	45	4×12	3	36	180	205	165	190	14	320	425
100L	2,4,6,8	160	140	63	28	60	8	24	M10x22	100	12	130	110	160	0	45	4×14.5	3.5	43	200	225	165	176*	14	340	450*
112M	2,4,6,8	190	140	70	28	60	8	24	M10x22	112	12	130	110	160	0	45	4×14.5	3.5	50	245	245	175	280	16	365	525

* BB = 230 & L = 490 for 3DX 100L2-4 IE4







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