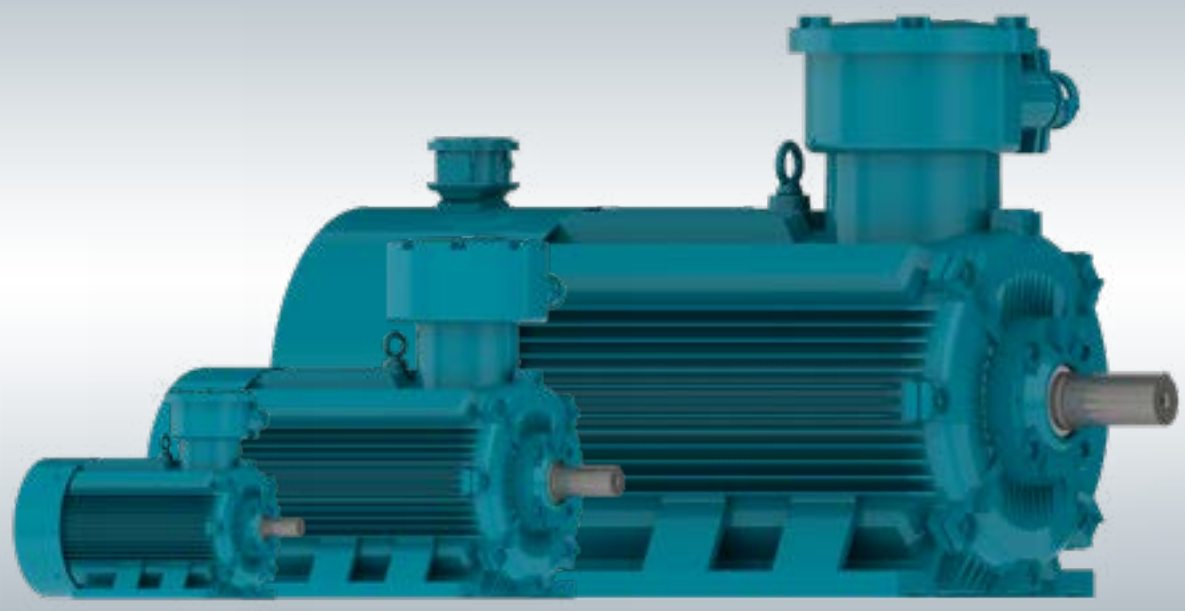
W21LX Flameproof Motors

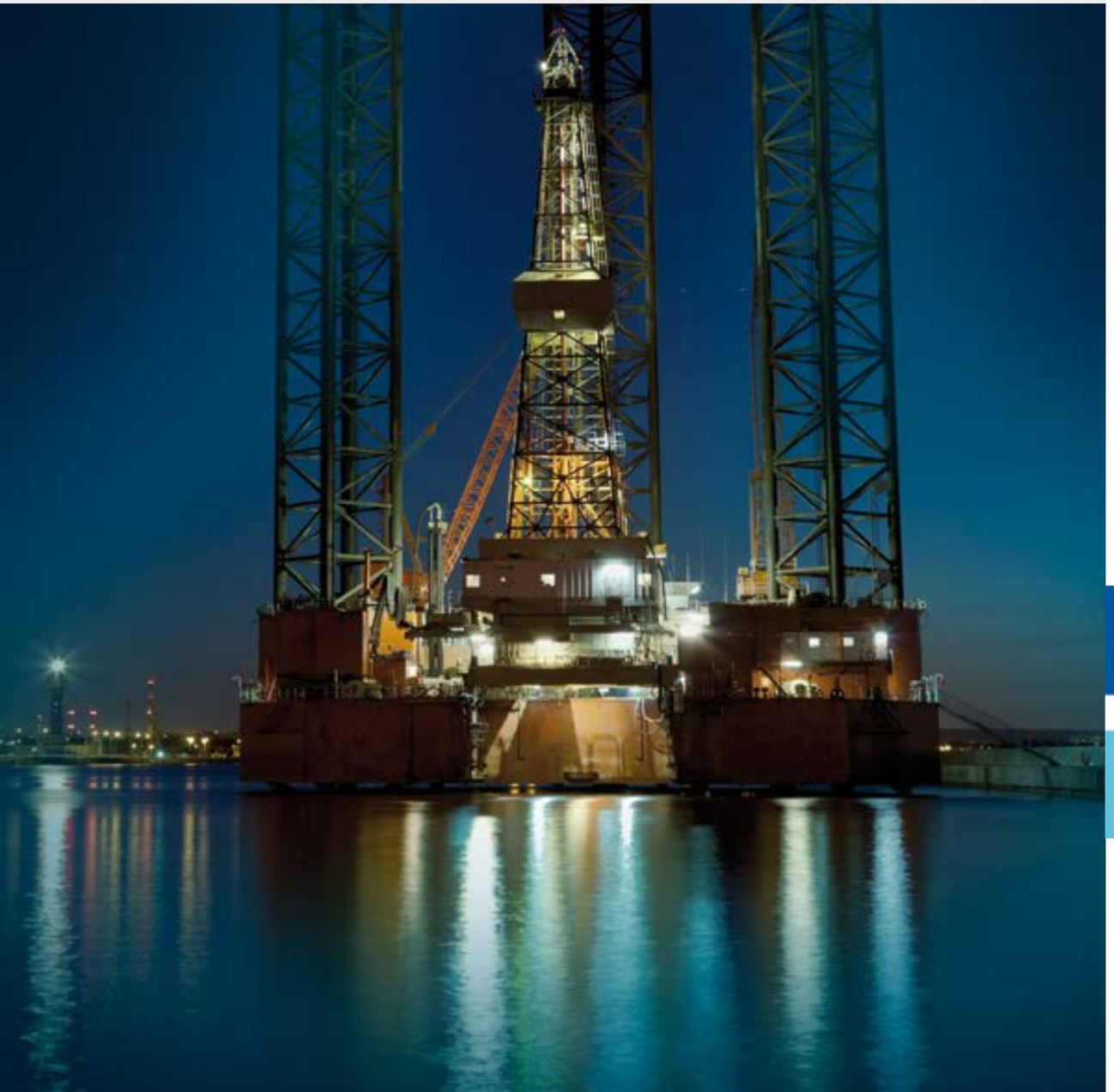
High and Premium Efficiency Low Voltage
IEC Frame sizes 80 to 355

Technical Catalogue
China Market



W21LX Flameproof Motors

W21LX series motors have available “Ex d” flameproof type of protection (Zones 1 and 2) and Ex tD protection by enclosure DIP (Zones 21 and 22), the standard explosion proof level reaches Ex d IIB T4 Gb (Ex d IIC T4 Gb as optional) and Ex tD A21 IP65 T120°C respectively. Explosion proof motors are widely used in dangerous environments such as mining, cereal processing, production or treatment of volatile, solvent and corrosive chemical substances, steel and metallurgy, sewage treatment and other aggressive environment classified as “explosive atmospheres”. An atmosphere is considered explosive when the proportion of gas, vapor or dust in the atmosphere is such that a spark from an electrical circuit or heating in the equipment surface can cause an explosion.
Explosion proof motors can withstand the explosion inside of the motor shell and therefore will not cause ignition of the explosive atmosphere in the environment outside the motor.



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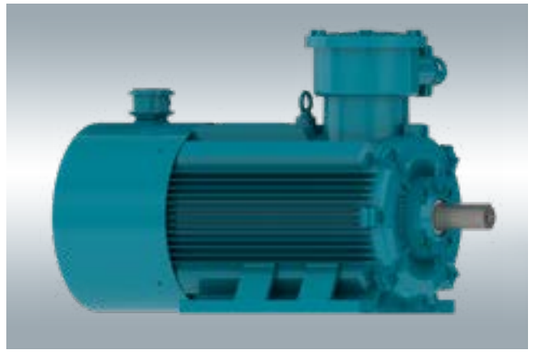
Cast Iron Frame
W21LX2 Ex d – Frame-proof explosion proof motors

This series of explosion-proof motors are installed in places where explosive products are installed, produced or stored, which can ensure the safety of life and machinery and equipment. Its explosion-proof performance meets the requirements of GB3836.1-2010 “Explosive Atmosphere Part 1: General Requirements for Equipment” and GB3836.2-2010 “Explosive Atmosphere Part 2: Equipment Protected by Flameproof Enclosure “d””, and withstand all hazardous aspects presented in these environments. The motor is suitable to operate with VFD without compromising its’ performance, reliability and life-time.



Standard features:

Ex area: Ex d IIB T4

Electrical:

Voltage: 380V
Frequency: 50HZ
Efficiency: IE2
Insulation class: F
Temperature rise: 80k
Ambient temperature: -20°C -40°C
1000 meters above sea level
Service factor: 1.0
N design
S1 duty cycle

Mechanical:

Frame: 80-355 Cast iron frame
Mounting type: B3T
Cooling method: TEBC（IC416）
Protection level: IP55
Bearing type: ball bearing

Ex-d IIB T4:

	DE	NDE
80-160 Frame	ZZ-C3	ZZ-C3
180-280 Frame	C3	C3
315-355 Frame	C4(2P)/C3	C4(2P)/C3

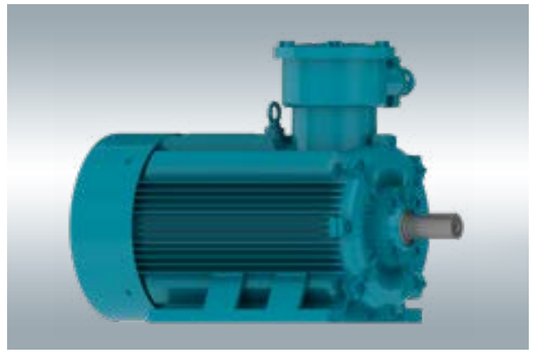
Ex-d IIC T4:

	DE	NDE
80-180 Frame	ZZ-C3	ZZ-C3
200-280 Frame	C3	C3
315-355 Frame	C4(2P)/C3	C4(2P)/C3

Shaft material: 45#
Grease Type: Great Wall Lubricant #2
180 frame and above with grease fitting
Fan: Plastic
Fan cover: Steel plate
Terminal box: cast iron (through hole for outlet)
Grounding: double grounding
Colour: RAL5009
Vibration level: Grade A

Cast Iron Frame
W21LX3 Ex d – Frame-proof explosion proof motors

This series of explosion-proof motors are installed in places where explosive products are produced or stored, which can ensure the safety of life and the safety of machinery and equipment. Its explosion-proof performance meets the requirements of GB3836.1-2010 “Explosive Environment Part 1: General Requirements for Equipment” and GB3836.2-2010 “Explosive Environment Part 2: Equipment Protected by Flameproof Enclosure “d””, and withstand all hazardous aspects presented in these environments.



Standard features:

Ex area: Ex d IIB T4

Electrical:

Voltage: 380V
Frequency: 50HZ
Efficiency: IE3
Insulation class: F
Temperature rise: 80k
Ambient temperature: -20°C -40°C
1000 meters above sea level
Service factor: 1.0
N design
S1 duty cycle

Mechanical:

Frame: 80-355 Cast iron frame
Mounting type: B3T
Cooling method: TEFC（IC411）
Protection level: IP55
Bearing type: ball bearing

Ex-d IIB T4:

	DE	NDE
80-160 Frame	ZZ-C3	ZZ-C3
180-280 Frame	C3	C3
315-355 Frame	C4(2P)/C3	C4(2P)/C3

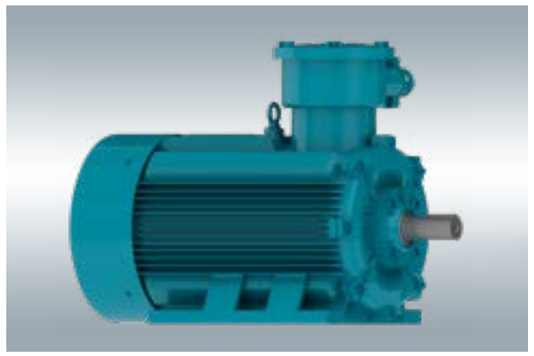
Ex-d IIC T4:

	DE	NDE
80-160 Frame	ZZ-C3	ZZ-C3
180-280 Frame	C3	C3
315-355 Frame	C4(2P)/C3	C4(2P)/C3

Shaft material: 45#
Grease Type: Great Wall Lubricant #2
180 frame and above with grease fitting
Fan: Plastic
Fan cover: Steel plate
Terminal box: cast iron (through hole for outlet)
Grounding: double grounding
Colour: RAL5009
Vibration level: Grade A

Cast Iron Frame
W21LX4 Ex d – Frame-proof explosion proof motors

This series of explosion-proof motors are installed in places where explosive products are produced or stored, which can ensure the safety of life and the safety of machinery and equipment. Its explosion-proof performance meets the requirements of GB3836.1-2010 “Explosive Environment Part 1: General Requirements for Equipment” and GB3836.2-2010 “Explosive Environment Part 2: Equipment Protected by Flameproof Enclosure “d””, and withstand all hazardous aspects presented in these environments.



Standard features:

Ex area: Ex d IIB T4

Electrical:

Voltage: 380V
Frequency: 50HZ
Efficiency: IE4
Insulation class: F
Temperature rise: 80k
Ambient temperature: -20°C -40°C
1000 meters above sea level
Service factor: 1.0
N design
S1 duty cycle

Mechanical:

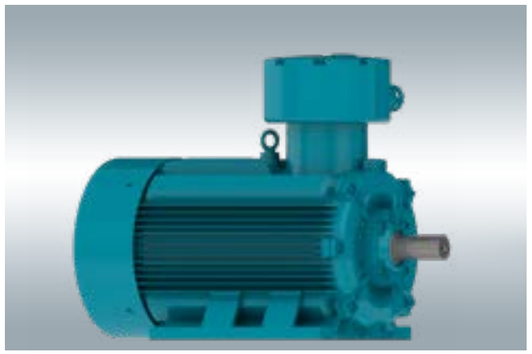
Frame: 132-355 Cast iron frame
Mounting type: B3T
Cooling method: TEFC（IC411）
Protection level: IP55
Bearing type: ball bearing

	DE	NDE
132-160 Frame	ZZ-C3	ZZ-C3
180-280 Frame	C3	C3
315-355 Frame	C4(2P)/C3	C4(2P)/C3

Shaft material: 45#
Grease Type: Great Wall Lubricant #2
180 frame and above with grease fitting
Fan: Plastic
Fan cover: Steel plate
Terminal box: cast iron (through hole for outlet)
Grounding: double grounding
Colour: RAL5009
Vibration level: Grade A

Cast Iron Frame
W21LXD Ex tD – Dust explosion proof motors

WEG W21LXD dust explosion-proof motor is safe due to its special design, suitable for working in hazardous areas-ZONE 21 (food production, grain, powder coating, polymer, etc.). Its explosion-proof performance complies with GB12476.1-2013 “Electrical Equipment for Flammable Dust Environment Part 1: General Requirements” and GB12476.5-2013 “Electrical Equipment for Flammable Dust Environment Part 5: Shell Protection Type “tD”” It is stipulated that the motor can ensure reliability and safety under working conditions with suspended conductive dust or surface accumulation.



Standard features:

Ex area: Ex tD A21 IP65 T120°C

Electrical:

Voltage: 380V
Frequency: 50HZ
Efficiency: IE3
Insulation class: F
Temperature rise: 80k
Ambient temperature: -20°C -40°C
1000 meters above sea level
Service factor: 1.0
N design
S1 duty cycle

Mechanical:

Frame: 80-355 Cast iron frame
Mounting type: B3T
Cooling method: TEFC（IC411）
Protection level: IP65
Bearing type: ball bearing
Ex-d IIB T4:

	DE	NDE
80-160 Frame	ZZ-C3	ZZ-C3
180-280 Frame	C3	C3
315-355 Frame	C4(2P)/C3	C4(2P)/C3

Ex-d IIC T4:

	DE	NDE
80-160 Frame	ZZ-C3	ZZ-C3
180-280 Frame	C3	C3
315-355 Frame	C4(2P)/C3	C4(2P)/C3

Shaft material: 45#
Grease Type: Great Wall Lubricant #2
180 frame and above with grease fitting
Fan: Plastic
Fan cover: Steel plate
Terminal box: cast iron (through hole for outlet)
Grounding: double grounding
Colour: RAL5009
Vibration level: Grade A

1.Introduction to China Explosion-proof Mandatory CCC Certification

CCC Ex certification

CCC Ex certification is the mandatory requirement in China about Explosion-proof electrical products.
From October 1st, 2020 on, hazardous application motors sold in China must be covered by CCC Ex product certification and marking.
The basic principles of the new certification rules are contained in the regulation CNCA-C23-01:2019 - Mandatory certification rules - Explosion-proof electrical equipment (also called CCC Ex). This regulation requires that all Ex products listed in the product catalog must undergo the following three-step CCC certification process, regardless of the manufacturing location:

1. Type testing (Ex product evaluation, testing and certification)
2. Initial inspection at the production site
3. Monitoring and re-certification audit at the manufacturing site

All products that have received a CCC-Ex certificate must carry the CCC mark in a clearly visible position. If the nature of the product makes it impossible to affix the CCC mark, it must be affixed to the smallest packaging unit and in the documentation.

The Ex-product must be marked with:

2. Hazardous Areas - Certification Requirements

Zone		Zone definition acc. to GB3836.14 & IEC/EN 60079-10-1 for gas atmospheres GB 12476.3 & IEC/EN 60079-10-2 for dust atmospheres	Assigned types of protection	Category acc.to 2014/34/EU	Equipment protection level acc. to GB3836.1 & IEC/EN 60079-0
Gas 1) 2)	Dust 1) 2)				
0	–	An area in which there is an explosive gas atmosphere constantly, over a long period or frequently.	Low-voltage motors not permitted	1	Ga
1	–	An area in which it is expected that an explosive gas atmosphere will occur occasionally during normal operation.	Ex e(GB) or Ex eb(IEC), Ex de, Ex d(GB) or Ex db(IEC)	2	Gb
2	–	An area in which it is expected that an explosive gas atmosphere will occur only rarely and then only briefly during normal operation.	Ex nA(GB) or Ex ec(IEC)	3	Gc
–	20	An area in which there is an explosive gas atmosphere comprising a dust-air mixture constantly, over a long period or frequently.	Low-voltage motors not permitted	1	Da
–	21	An area in which it is expected that an explosive gas atmosphere comprising a dust-air mixture will occur occasionally during normal operation.	Ex tb	2	Db
–	22	An area in which it is expected that an explosive gas atmosphere in the form of a cloud of flammable dust in air will occur only rarely and then only briefly during normal operation.	Ex tc 3)	3	Dc

3.Features and Benefits

Concept

The mechanical design of the W21LX line is based on the highly successful W21 general purpose motor range, with the incorporation of some innovative new features, including: modern frame design with new fins and feet to ensure higher mechanical stiffness and excellent heat dissipation; redesigned endshields to reduce bearing operating temperatures thus increasing the re-lubrication intervals; and an advanced cooling system to reduce noise levels and significantly improve heat dissipation.

Careful Features

In designing the W21LX line, special consideration was given to the needs of Industry to reduce their operating costs.
Aside from the energy saving aspects afforded by these machines, a variety of carefully chosen features were incorporated as standard to ensure maximum performance and durability:

Energy Efficiency

Besides relying on the safe operation of the product, users of W21LX motors can also reduce their energy consumption and CO_2 emissions due the technology employed and the levels of performance achieved.
The W21LX motor line was designed to meet the efficiency levels defined in IEC 60034-30-1 and GB 18613-2020. As standard the motors meet the IE4 Premium efficiency level and IE2 High efficiency as an optional for Variable Frequency Drive (VFD) operation.
The ratios between rated power, speed and frame size of the new W21LX line follow the applicable parts of the IEC Standards 60034 and 60072. This ensures interchangeability with existent motors and, where replacing lower efficiency motors, offers users the means to achieve a rapid return on their investment.

4. Version Classification

Standard version

Motor series	Ex Area	Cooling method	Efficiency Grade	Power Range (kW)	Certificate Type	Sales Regions
W21LX2	Ex d IIB T4	TEBC	IE2	0.55~315	CCC / CJEX	China
W21LX3	Ex d IIB T4	TEFC	IE3	0.55~315	CCC / CEL / CJEX	China
W21LX4	Ex d IIB T4	TEFC	IE4	5.5~315	CCC/CEL/CNEX	China
W21LXD	Ex tD A21 IP65 T120°C	TEFC	IE3	0.55~315	CCC / CJEX	China

Optional version*:

Motor series	Ex Area	Efficiency Grade	Optional Voltage (V)	Certificate Type	Sales Regions
W21LX2	Ex d IIC T4	IE2	220,230,400,415,440,460,660, 690,220/380,230/400,400/690	CCC / CJEX	China
W21LX3	Ex d IIC T4	IE3	220,230,400,415,440,460,660, 690,220/380,230/400,400/690	CCC / CEL / CJEX	China
W21LX4	Ex d IIC T4	IE4	220,230,400,415,440,460,660, 690,220/380,230/400,400/690	CCC/CEL/CNEX	China
W21LXD	-	-	220,230,400,415,440,460,660, 690,220/380,230/400,400/690	-	-

**If you have special requirements for the motor, please consult WEG technical support.*

5.Construction Features

Frame				80M	90S	90L	100L	112M
Mechanical features								
Nameplate marking				CJEX for W21LX2, LX3, LXD				
Mounting form				B3T				
Frame	Material			HT-200 Cast iron				
Degree of protection		W21LX2 / W21LX3		IP55				
		W21LXD		IP65				
Grounding				Double grounding - one inside the terminal box and one on the frame				
Cooling method		W21LX3 / /W21LXD		TEFC				
		W21LX2		TEBC				
Fan	Material			Plastic				
Fan cover	Material			Steel plate				
Endshields	Material			HT-200 Cast iron				
Sewage				None				
Bearings	Dust cover/ clearance(DE)	IIB	2P	ZZ-C3				
			4-8P					
		IIC	2P					
			4-8P					
	Dust cover/ clearance(NDE)	IIB	2P					
			4-8P					
		IIC	2P					
			4-8P					
	Locking			Circlip				
	Drive end side		2P	6204	6205	6205	6206	6206
			4-8P					
	Non drive end side		2P					
			4-8P					
Lubrication	Type of grease			Great Wall #2				
	Grease fitting		IIB	None				
			IIC					
Terminal box	Material			HT-200 Cast iron				
Auxiliary terminal box				None				
Cable entries	Main	Size		Φ25				
	Threaded plug			None				
Shaft	Material			45				
	Threaded plug	2P		None				
		4P-8P						
Key				Type B (China: C key)				
Vibration				Grade A				
Balance				1/2 key				
Nameplate	Material			Stainless steel AISI 304				
Painting	Type			C2				
	Colour			RAL 5009				
Electrical features								
Design				N				
Voltage				380V（Y）				380V(△) / 660V（Y）
Winding Insulation class				F (DT 80K)				
Service factor				1.00				
Thermal protection				None				

Frame				132S	132M	160M	160L
Mechanical features							
Nameplate marking				CJEX for W21LX2, LX3, LXD CNEX for W21LX4			
Mounting form				B3T			
Frame	Material			HT-200 Cast iron			
Degree of protection		W21LX2/W21LX3/ W21LX4		IP55			
		W21LXD		IP65			
Grounding				Double grounding - one inside the terminal box and one on the frame			
Cooling method		W21LX3/W21LX4/ W21LXD		TEFC			
		W21LX2		TEBC			
Fan	Material			Plastic			
Fan cover	Material			Steel plate			
Endshields	Material			HT-200 Cast iron			
Sewage				None			
Bearings	Dust cover/ clearance(DE)	IIB	2P	ZZ-C3			
			4-8P				
		IIC	2P				
			4-8P				
	Dust cover/ clearance(NDE)	IIB	2P				
			4-8P				
		IIC	2P				
			4-8P				
	Locking			Circlip		DE bearing with internal bearing cover, NDE bearing with corrugated spring washer	
	Drive end side		2P	6208	6208	6309	
			4-8P				
	Non drive end side		2P				
			4-8P				
Lubrication	Type of grease			Great Wall #2			
	Grease fitting		IIB	None			
			IIC				
Terminal box	Material			HT-200 Cast iron			
Auxiliary terminal box				None			
Cable entries	Main	Size		Φ25		Φ35	
	Threaded plug			None			
Shaft	Material			45			
	Threaded plug	2P		CM12x33		CM16x46	
		4P-8P					
Key				Type B (China: C key)			
Vibration				Grade A			
Balance				1/2 key			
Nameplate	Material			Stainless steel AISI 304			
Painting	Type			C2			
	Colour			RAL 5009			
Electrical features							
Design				N			
Voltage				380V(△) / 660V（Y）			
Winding Insulation class				F (DT 80K)			
Service factor				1.00			
Thermal protection				None			

Frame				180M	180L	200L	225S	225M	250M	280S
Mechanical features										
Nameplate marking				CJEX for W21LX2, LX3, LXD CNEX for W21LX4						
Mounting form				B3T						
Frame	Material			HT-200 Cast iron						
Degree of protection		W21LX2/W21LX3/ W21LX4		IP55						
		W21LXD		IP65						
Grounding				Double grounding - one inside the terminal box and one on the frame						
Cooling method		W21LX3/W21LX4/ W21LXD		TEFC						
		W21LX2		TEBC						
Fan	Material			Plastic						
Fan cover	Material			Steel plate						
Endshields	Material			HT-200 Cast iron						
Sewage				None						
Bearings	Dust cover/ clearance(DE)	IIB	2P	C3						
			4-8P							
		IIC	2P	ZZ-C3 (W21LX2, LX3, LXD) C3 (W21LX4)		C3				
			4-8P							
	Dust cover/ clearance(NDE)	IIB	2P	C3						
			4-8P							
		IIC	2P	ZZ-C3 (W21LX2, LX3, LXD) C3 (W21LX4)		C3				
			4-8P							
	Locking			DE bearing with internal bearing cover, NDE bearing with corrugated spring washer						
	Drive end side		2P	6211	6211	6212	6312	6312	6312	6314
			4-8P	6311	6311	6312	6312	6312	6314	6317
	Non drive end side		2P	6211	6211	6212	6312	6312	6312	6314
			4-8P							
Lubrication	Type of grease			Great Wall #2						
	Grease fitting		IIB	DE and NDE bearing with refueling device						
			IIC	None		DE and NDE bearing with refueling device				
Terminal box	Material			HT-200 Cast iron						
Auxiliary terminal box				None			M30*2(only for W21LX4)			
Cable entries	Main	Size		Φ35		Φ42			Φ50	
	Threaded plug			None						
Shaft	Material			45						
	Threaded plug	2P		CM16x46		CM20x60	CM20x47		CM20x60	
		4P-8P								
Key				Type B (China: C key)						
Vibration				Grade A						
Balance				1/2 key						
Nameplate	Material			Stainless steel AISI 304						
Painting	Type			C2						
	Colour			RAL 5009						
Electrical features										
Design				N						
Voltage				380V(△) / 660V（Y）						
Winding Insulation class				F (DT 80K)						
Service factor				1.00						
Thermal protection				None						

Frame				280M	315S	315M	315L	355S	355M	355L
Mechanical features										
Nameplate marking				CJEX for W21LX2, LX3, LXD CNEX for W21LX4						
Mounting form				B3T						
Frame	Material			HT-200 Cast iron						
Degree of protection		W21LX2/W21LX3/ W21LX4		IP55						
		W21LXD		IP65						
Grounding				Double grounding - one inside the terminal box and one on the frame						
Cooling method		W21LX3/W21LX4/ W21LXD		TEFC						
		W21LX2		TEBC						
Fan	Material			Plastic						
Fan cover	Material			Steel plate						
Endshields	Material			HT-200 Cast iron						
Sewage				None						
Bearings	Dust cover/ clearance(DE)	IIB	2P	C3	C4					
			4-8P		C3					
		IIC	2P		C4					
			4-8P		C3					
	Dust cover/ clearance(NDE)	IIB	2P	C3	C4					
			4-8P		C3					
		IIC	2P		C4					
			4-8P		C3					
	Locking			DE bearing with internal bearing cover, NDE bearing with corrugated spring washer						
	Drive end side		2P	6314	6316	6316	6316	6319	6319	6319
			4-8P	6317	6319	6319	6319	6322	6322	6322
	Non drive end side		2P	6314	6316	6316	6316	6319	6319	6319
			4-8P		6319	6319	6319	6322	6322	6322
Lubrication	Type of grease			Great Wall #2						
	Grease fitting		IIB	DE and NDE bearing with refueling device						
			IIC							
Terminal box	Material			HT-200 Cast iron						
Auxiliary terminal box				M30*2(only for W21LX4)						
Cable entries	Main	Size		Φ50	2xΦ50					
	Threaded plug			None						
Shaft	Material			45						
	Threaded plug	2P		CM20x60	CM20x63	CM20x63		CM20x47		
		4P-8P						CM24x52		
Key				Type B (China: C key)						
Vibration				Grade A						
Balance				1/2 key						
Nameplate	Material			Stainless steel AISI 304						
Painting	Painting			C2						
	Colour			RAL 5009						
Electrical features										
Design				N						
Voltage				380V(△) / 660V（Y）						
Winding Insulation class				F (DT 80K)						
Service factor				1.00						
Thermal protection				None						

6.Electrical Data

W21LX2

Output (KW)	Frame	Rated torque (N.m)	Allowable locked rotor time (s)		Sound dB(A)	Sound pressure level	Rated speed (rpm)	Efficiency			Power factor			Full load current In (A)
			Hot(S)	Cold(S)				50%	75%	100%	50%	75%	100%	
2 极														
0.75	80M	2.5	8	16	70	62	2850	74.1	77.3	77.4	0.67	0.78	0.83	1.77
1.1	80M	3.7	6	12	70	62	2840	77.8	80.1	79.6	0.69	0.79	0.83	2.53
1.5	90S	5.0	7	13.5	74	66	2850	79.4	81.6	81.3	0.72	0.80	0.84	3.34
2.2	90L	7.4	5	10	74	66	2850	82.2	83.8	83.2	0.74	0.82	0.85	4.73
3	100L	10.0	5.5	11	78	70	2870	83.5	85.0	84.6	0.77	0.84	0.87	6.19
4	112M	13.2	5	10	82	74	2890	86.0	86.7	85.8	0.80	0.86	0.88	8.05
5.5	132S	18.1	8	16.5	85	77	2900	85.4	87.0	87.0	0.78	0.85	0.88	10.9
7.5	132S	24.7	6.5	13	85	77	2900	87.7	88.5	88.1	0.82	0.87	0.89	14.5
11	160M	35.7	13.5	26.5	87	79	2940	87.1	89.1	89.4	0.81	0.87	0.89	21.0
15	160M	48.7	11.5	23	87	79	2940	88.8	90.2	90.3	0.83	0.88	0.89	28.4
18.5	160L	60.1	10.5	21	87	79	2940	89.7	90.9	90.9	0.84	0.88	0.89	34.7
22	180M	71.2	4.5	9	90	82	2950	89.3	91.0	91.3	0.83	0.88	0.89	41.1
30	200L	97.3	7.5	14.5	92	84	2945	90.4	91.8	92.0	0.83	0.88	0.89	55.7
37	200L	120.0	6.5	13	92	84	2945	91.3	92.4	92.5	0.83	0.88	0.89	68.3
45	225M	145.4	6.5	13	94	86	2955	91.4	92.7	92.9	0.83	0.88	0.89	82.7
55	250M	176.9	7.5	15	96	84	2970	91.3	92.8	93.2	0.83	0.88	0.89	100.7
75	280S	241.2	6.5	13	98	86	2970	91.9	93.4	93.8	0.84	0.88	0.89	136.5
90	280M	289.4	6	11.5	98	86	2970	92.6	93.8	94.1	0.85	0.88	0.89	163.3
110	315S	353.1	15.5	31.5	100	87	2975	91.6	93.5	94.3	0.89	0.89	0.90	196.9
132	315M	423.7	15.5	31	100	87	2975	92.4	94.0	94.6	0.86	0.89	0.90	235.6
160	315L	513.6	16	33.5	100	87	2975	92.6	94.2	94.8	0.88	0.91	0.91	281.8
200	315L	642.0	13	26	100	87	2975	93.4	94.6	95.0	0.88	0.91	0.91	351.5
185	355S	592.9	43	86.5	103	90	2980	93.2	94.5	94.9	0.89	0.90	0.91	325.5
200	355S	640.9	43	86.5	103	90	2980	93.3	94.6	95.0	0.89	0.90	0.91	351.5
220	355M	705.0	42.5	84.5	103	90	2980	93.3	94.6	95.0	0.89	0.90	0.91	386.7
250	355M	801.2	42.5	84.5	103	90	2980	93.3	94.6	95.0	0.89	0.90	0.91	439.4
280	355L	897.3	42	84.5	103	90	2980	93.5	94.6	95.0	0.89	0.90	0.91	492.1
315	355L	1009.5	32.5	65	103	90	2980	93.5	94.6	95.0	0.89	0.90	0.91	553.6
4 极														
0.55	80M	3.8	18.5	37.5	62	54	1390	84.1	81.0	80.7	0.53	0.67	0.75	1.38
0.75	80M	5.2	17	33.5	62	54	1390	78.6	80.6	79.6	0.54	0.67	0.75	1.91
1.1	90S	7.6	16	31.5	64	56	1390	81.3	82.9	81.4	0.57	0.69	0.75	2.74
1.5	90L	10.3	14.5	29	64	56	1390	82.8	84.1	82.8	0.58	0.69	0.75	3.67
2.2	100L	14.8	11	22	68	60	1420	83.9	85.2	84.3	0.64	0.75	0.81	4.90
3	100L	20.2	9	18.5	68	60	1420	85.7	86.6	85.5	0.67	0.77	0.82	6.50
4	112M	26.7	10.5	21	72	64	1430	86.6	87.5	86.6	0.67	0.77	0.82	8.56
5.5	132S	36.2	11	21.5	76	68	1450	87.5	88.4	87.7	0.69	0.78	0.82	11.6
7.5	132M	49.4	10.5	21	76	68	1450	88.6	89.4	88.7	0.71	0.79	0.83	15.5
11	160M	72.0	9.5	19	79	71	1460	89.9	90.4	89.8	0.73	0.82	0.85	21.9
15	160L	98.1	9	18	79	71	1460	90.7	91.1	90.6	0.75	0.83	0.86	29.3
18.5	180M	120.2	3.5	7	83	75	1470	91.0	91.6	91.2	0.74	0.82	0.86	35.8
22	180L	142.9	2.5	5.5	83	75	1470	91.5	92.0	91.6	0.74	0.82	0.86	42.4
30	200L	194.9	5.5	10.5	85	77	1470	92.0	92.6	92.3	0.75	0.83	0.86	57.4
37	225S	239.6	7.5	14.5	88	80	1475	92.1	92.8	92.7	0.78	0.84	0.86	70.5
45	225M	291.4	7	14	88	80	1475	92.5	93.2	93.1	0.77	0.84	0.86	85.4
55	250M	354.9	5	9.5	92	80	1480	92.7	93.5	93.5	0.77	0.84	0.86	103.9
75	280S	484.0	6	11.5	94	82	1480	93.0	93.9	94.0	0.81	0.86	0.88	137.8
90	280M	580.7	6.5	13.5	94	82	1480	93.0	94.0	94.2	0.79	0.86	0.88	165.0
110	315S	709.8	13	26	96	83	1480	93.1	94.2	94.5	0.81	0.87	0.88	201.0
132	315M	851.8	12	24	96	83	1480	93.5	94.5	94.7	0.82	0.87	0.88	240.7
160	315L	1032.4	11	22.5	96	83	1480	93.7	94.7	94.9	0.84	0.88	0.89	287.8
200	315L	1290.5	9.5	19.5	96	83	1480	94.3	95.0	95.1	0.84	0.88	0.89	359.0
185	355S	1187.3	20.5	41	98	85	1488	93.8	94.8	95.0	0.86	0.89	0.89	332.5
200	355S	1283.6	20.5	41	98	85	1488	93.9	94.9	95.1	0.86	0.89	0.89	359.0
220	355M	1412.0	18.5	37.5	98	85	1488	93.9	94.9	95.1	0.87	0.9	0.90	390.5
250	355M	1604.5	18.5	37.5	98	85	1488	93.9	94.9	95.1	0.87	0.9	0.90	443.8
280	355L	1797.0	22.5	45	98	85	1488	94.1	94.9	95.1	0.88	0.9	0.90	497.1
315	355L	2021.7	20	39.5	98	85	1488	94.1	94.9	95.1	0.88	0.9	0.90	559.2

Output (KW)	Frame	Rated torque (N.m)	Allowable locked rotor time (s)		Sound dB(A)	Sound pressure level	Rated speed (rpm)	Efficiency			Power factor			Full load current In (A)
			Hot(S)	Cold(S)				50%	75%	100%	50%	75%	100%	
6 极														
0.55	80M	5.9	16	32	61	53	890	74.4	76.9	75.4	0.49	0.63	0.72	1.54
0.75	90S	7.9	19.5	39	63	55	910	74.2	76.8	75.9	0.5	0.63	0.72	2.09
1.1	90L	11.5	19	38	63	55	910	77.5	79.5	78.1	0.52	0.65	0.73	2.93
1.5	100L	15.4	11.5	23.5	66	58	930	79.4	81.2	79.8	0.54	0.67	0.74	3.86
2.2	112M	22.4	13.5	27.5	71	63	940	82.1	83.2	81.8	0.55	0.67	0.74	5.52
3	132S	29.5	8.5	16.5	75	67	970	81.6	83.5	83.3	0.54	0.67	0.74	7.39
4	132M	39.4	7	14	75	67	970	83.1	84.8	84.6	0.54	0.67	0.74	9.71
5.5	132M	54.1	6.5	13.5	75	67	970	85.1	86.4	86.0	0.57	0.69	0.75	13.0
7.5	160M	73.8	11.5	22.5	78	70	970	85.6	87.2	87.2	0.61	0.72	0.78	16.8
11	160L	108.3	10	20	78	70	970	87.5	88.8	88.7	0.63	0.74	0.79	23.9
15	180L	146.2	3	6.5	82	74	980	89.1	90.0	89.7	0.66	0.76	0.81	31.4
18.5	200L	180.6	3.5	7.5	84	76	978	89.7	90.7	90.4	0.66	0.76	0.81	38.4
22	200L	214.8	3.5	7	84	76	978	90.6	91.3	90.9	0.69	0.78	0.82	44.8
30	225M	292.3	10.5	21	86	78	980	91.0	91.8	91.7	0.71	0.78	0.81	61.4
37	250M	360.6	4	8	90	78	980	91.5	92.3	92.2	0.73	0.81	0.84	72.6
45	280S	434.1	4	8	92	80	990	91.8	92.8	92.7	0.75	0.83	0.86	85.8
55	280M	530.6	4	8	92	80	990	92.4	93.2	93.1	0.76	0.83	0.86	104.4
75	315S	727.2	16	32	94	81	985	92.1	93.4	93.7	0.77	0.83	0.85	143.1
90	315M	872.6	14.5	29.5	94	81	985	92.5	93.7	94.0	0.76	0.82	0.84	173.2
110	315L	1066.5	13.5	27.5	94	81	985	93.0	94.1	94.3	0.78	0.84	0.85	208.5
132	315L	1279.8	14	27.5	94	81	985	93.4	94.4	94.6	0.79	0.85	0.86	246.5
160	355S	1551.3	22	44.5	96	83	985	93.3	94.5	94.8	0.81	0.86	0.87	294.8
185	355M	1793.7	21.5	43	96	83	985	93.4	94.6	94.9	0.81	0.86	0.87	340.5
200	355M	1939.1	22	43.5	96	83	985	93.7	94.8	95.0	0.81	0.86	0.87	367.7
220	355L	2133.0	20	40	96	83	985	93.7	94.8	95.0	0.81	0.86	0.87	404.4
250	355L	2423.9	22.5	44.5	96	83	985	93.9	94.8	95.0	0.81	0.86	0.87	459.6
8 极														
0.55	90L	7.8	32	64	63	55	670	57.7	62.7	63.0	0.4	0.52	0.61	2.17
0.75	100L	10.4	14.5	29.5	66	58	690	66.0	69.9	70.0	0.45	0.58	0.67	2.43
1.1	100L	15.2	12.5	25.5	66	58	690	70.4	72.9	72.0	0.47	0.6	0.69	3.36
1.5	112M	20.8	12.5	25	71	63	690	71.7	74.3	74.0	0.48	0.61	0.70	4.40
2.2	132S	29.6	2	3.5	75	67	710	76.9	79.3	79.0	0.49	0.62	0.71	5.96
3	132M	40.4	2	3.5	75	67	710	79.7	81.0	80.0	0.52	0.65	0.73	7.81
4	160M	53.1	7	14.5	78	70	720	79.9	81.5	81.0	0.52	0.65	0.73	10.3
5.5	160M	73.0	6.5	13.5	78	70	720	82.0	83.4	83.0	0.54	0.66	0.74	13.6
7.5	160L	99.5	6	12	78	70	720	85.4	86.2	85.5	0.55	0.68	0.75	17.8
11	180L	145.9	9	18	82	74	720	87.7	88.2	87.5	0.57	0.69	0.75	25.5
15	200L	196.2	9	17.5	84	76	730	87.9	88.4	88.0	0.58	0.7	0.76	34.1
18.5	225S	242.0	9	18	86	78	730	89.7	90.3	90.0	0.59	0.7	0.76	41.1
22	225M	287.8	9	18.5	86	78	730	90.5	90.9	90.5	0.62	0.73	0.78	47.4
30	250M	387.2	9.5	19	90	78	740	90.9	91.4	91.0	0.62	0.73	0.79	63.4
37	280S	477.5	9.5	19	92	80	740	91.6	91.9	91.5	0.64	0.74	0.79	77.8
45	280M	580.7	8	16.5	92	80	740	92.0	92.4	92.0	0.64	0.74	0.79	94.1
55	315S	714.6	24	48	94	81	735	91.5	92.7	92.8	0.69	0.78	0.81	111.2
75	315M	974.5	24	48	94	81	735	92.5	93.4	93.5	0.7	0.78	0.81	150.5
90	315L	1169.4	21.5	42.5	94	81	735	92.7	93.7	93.8	0.7	0.79	0.82	177.8
110	315L	1429.3	21	42	94	81	735	93.1	94.0	94.0	0.71	0.79	0.82	216.8
132	355S	1703.5	37.5	75	96	83	740	92.4	93.5	93.7	0.71	0.79	0.82	261.0
160	355M	2064.9	39.5	79	96	83	740	93.2	94.1	94.2	0.73	0.8	0.82	314.7
185	355L	2387.5	39.5	79	96	83	740	93.3	94.1	94.2	0.73	0.8	0.82	363.9
200	355L	2581.1	39.5	79.5	96	83	740	93.6	94.4	94.5	0.74	0.81	0.83	387.4

W21LX3

Output (KW)	Frame	Rated torque (N.m)	Allowable locked rotor time (s)		Sound dB(A)	Sound pressure level	Rated speed (rpm)	Efficiency			Power factor			Full load current In (A)
			Hot(S)	Cold(S)				50%	75%	100%	50%	75%	100%	
2 极														
0.75	80M	2.5	8	16	70	62	2850	74.1	77.3	80.7	0.67	0.78	0.83	1.72
1.1	80M	3.7	6	12	70	62	2840	77.8	80.1	82.7	0.69	0.79	0.83	2.43
1.5	90S	5.0	7	13.5	74	66	2850	79.4	81.6	84.2	0.72	0.80	0.84	3.22
2.2	90L	7.4	5	10	74	66	2850	82.2	83.8	85.9	0.74	0.82	0.85	4.58
3	100L	10.0	5.5	11	78	70	2870	83.5	85.0	87.1	0.77	0.84	0.87	6.00
4	112M	13.2	5	10	82	74	2890	86.0	86.7	88.1	0.80	0.86	0.88	7.8
5.5	132S	18.1	8	16.5	85	77	2900	85.4	87.0	89.2	0.78	0.85	0.88	10.6
7.5	132S	24.7	6.5	13	85	77	2900	87.7	88.5	90.1	0.82	0.87	0.89	14.2
11	160M	35.7	13.5	26.5	87	79	2940	87.1	89.1	91.2	0.81	0.87	0.89	20.6
15	160M	48.7	11.5	23	87	79	2940	88.8	90.2	91.9	0.83	0.88	0.89	27.9
18.5	160L	60.1	10.5	21	87	79	2940	89.7	90.9	92.4	0.84	0.88	0.89	34.2
22	180M	71.2	4.5	9	90	82	2950	89.3	91.0	92.7	0.83	0.88	0.89	40.5
30	200L	97.3	7.5	14.5	92	84	2945	90.4	91.8	93.3	0.83	0.88	0.89	54.9
37	200L	120.0	6.5	13	92	84	2945	91.3	92.4	93.7	0.83	0.88	0.89	67.4
45	225M	145.4	6.5	13	94	86	2955	91.4	92.7	94.0	0.83	0.88	0.89	81.7
55	250M	176.9	7.5	15	96	84	2970	91.3	92.8	94.3	0.83	0.88	0.89	99.6
75	280S	241.2	6.5	13	98	86	2970	91.9	93.4	94.7	0.84	0.88	0.89	135.2
90	280M	289.4	6	11.5	98	86	2970	92.6	93.8	95.0	0.85	0.88	0.89	161.7
110	315S	353.1	15.5	31.5	100	87	2975	91.6	93.5	95.2	0.89	0.89	0.89	197.3
132	315M	423.7	15.5	31	100	87	2975	92.4	94.0	95.4	0.86	0.89	0.89	236.2
160	315L	513.6	16	33.5	100	87	2975	92.6	94.2	95.6	0.88	0.91	0.89	285.7
200	315L	642.0	13	26	100	87	2975	93.4	94.6	95.8	0.88	0.91	0.89	356.4
185	355S	592.9	43	86.5	103	90	2980	93.2	94.5	95.8	0.89	0.90	0.89	329.7
200	355S	640.9	43	86.5	103	90	2980	93.3	94.6	95.8	0.89	0.90	0.89	356.4
220	355M	705.0	42.5	84.5	103	90	2980	93.3	94.6	95.8	0.89	0.90	0.89	392.0
250	355M	801.2	42.5	84.5	103	90	2980	93.3	94.6	95.8	0.89	0.90	0.90	440.5
280	355L	897.3	42	84.5	103	90	2980	93.5	94.6	95.8	0.89	0.90	0.90	493.4
315	355L	1009.5	32.5	65	103	90	2980	93.5	94.6	95.8	0.89	0.90	0.90	555.1
4 极														
0.75	80M	5.2	17	33.5	62	54	1390	78.6	80.6	82.5	0.54	0.67	0.75	1.84
1.1	90S	7.6	16	31.5	64	56	1390	81.3	82.9	84.1	0.57	0.69	0.75	2.65
1.5	90L	10.3	14.5	29	64	56	1390	82.8	84.1	85.3	0.58	0.69	0.75	3.56
2.2	100L	14.8	11	22	68	60	1420	83.9	85.2	86.7	0.64	0.75	0.81	4.80
3	100L	20.2	9	18.5	68	60	1420	85.7	86.6	87.7	0.67	0.77	0.82	6.30
4	112M	26.7	10.5	21	72	64	1430	86.6	87.5	88.6	0.67	0.77	0.82	8.4
5.5	132S	36.2	11	21.5	76	68	1450	87.5	88.4	89.6	0.69	0.78	0.82	11.4
7.5	132M	49.4	10.5	21	76	68	1450	88.6	89.4	90.4	0.71	0.79	0.83	15.2
11	160M	72.0	9.5	19	79	71	1460	89.9	90.4	91.4	0.73	0.82	0.85	21.5
15	160L	98.1	9	18	79	71	1460	90.7	91.1	92.1	0.75	0.83	0.85	29.1
18.5	180M	120.2	3.5	7	83	75	1470	91.0	91.6	92.6	0.74	0.82	0.86	35.3
22	180L	142.9	2.5	5.5	83	75	1470	91.5	92.0	93.0	0.74	0.82	0.86	41.8
30	200L	194.9	5.5	10.5	85	77	1470	92.0	92.6	93.6	0.75	0.83	0.87	55.9
37	225S	239.6	7.5	14.5	88	80	1475	92.1	92.8	93.9	0.78	0.84	0.87	68.8
45	225M	291.4	7	14	88	80	1475	92.5	93.2	94.2	0.77	0.84	0.87	83.4
55	250M	354.9	5	9.5	92	80	1480	92.7	93.5	94.6	0.77	0.84	0.88	100.4
75	280S	484.0	6	11.5	94	82	1480	93.0	93.9	95.0	0.81	0.86	0.88	136.3
90	280M	580.7	6.5	13.5	94	82	1480	93.0	94.0	95.2	0.79	0.86	0.89	161.4
110	315S	709.8	13	26	96	83	1480	93.1	94.2	95.4	0.81	0.87	0.89	196.8
132	315M	851.8	12	24	96	83	1480	93.5	94.5	95.6	0.82	0.87	0.89	235.7
160	315L	1032.4	11	22.5	96	83	1480	93.7	94.7	95.8	0.84	0.88	0.89	285.1
200	315L	1290.5	9.5	19.5	96	83	1480	94.3	95.0	96.0	0.84	0.88	0.89	355.7
185	355S	1187.3	20.5	41	98	85	1488	93.8	94.8	96.0	0.86	0.89	0.89	329.0
200	355S	1283.6	20.5	41	98	85	1488	93.9	94.9	96.0	0.86	0.89	0.89	355.7
220	355M	1412.0	18.5	37.5	98	85	1488	93.9	94.9	96.0	0.87	0.9	0.89	391.2
250	355M	1604.5	18.5	37.5	98	85	1488	93.9	94.9	96.0	0.87	0.9	0.89	444.6
280	355L	1797.0	22.5	45	98	85	1488	94.1	94.9	96.0	0.88	0.9	0.89	497.9
315	355L	2021.7	20	39.5	98	85	1488	94.1	94.9	96.0	0.88	0.9	0.89	560.2

Output (KW)	Frame	Rated torque (N.m)	Allowable locked rotor time (s)		Sound dB(A)	Sound pressure level	Rated speed (rpm)	Efficiency			Power factor			Full load current In (A)
			Hot(S)	Cold(S)				50%	75%	100%	50%	75%	100%	
6 极														
0.75	90S	7.9	19.5	39	63	55	910	74.2	76.8	78.9	0.5	0.63	0.72	2.01
1.1	90L	11.5	19	38	63	55	910	77.5	79.5	81.0	0.52	0.65	0.73	2.83
1.5	100L	15.4	11.5	23.5	66	58	930	79.4	81.2	82.5	0.54	0.67	0.74	3.70
2.2	112M	22.4	13.5	27.5	71	63	940	82.1	83.2	84.3	0.55	0.67	0.74	5.40
3	132S	29.5	8.5	16.5	75	67	970	81.6	83.5	85.6	0.54	0.67	0.74	7.20
4	132M	39.4	7	14	75	67	970	83.1	84.8	86.8	0.54	0.67	0.74	9.5
5.5	132M	54.1	6.5	13.5	75	67	970	85.1	86.4	88.0	0.57	0.69	0.75	12.7
7.5	160M	73.8	11.5	22.5	78	70	970	85.6	87.2	89.1	0.61	0.72	0.78	16.4
11	160L	108.3	10	20	78	70	970	87.5	88.8	90.3	0.63	0.74	0.78	23.7
15	180L	146.2	3	6.5	82	74	980	89.1	90.0	91.2	0.66	0.76	0.81	30.9
18.5	200L	180.6	3.5	7.5	84	76	978	89.7	90.7	91.7	0.66	0.76	0.81	37.8
22	200L	214.8	3.5	7	84	76	978	90.6	91.3	92.2	0.69	0.78	0.82	44.2
30	225M	292.3	10.5	21	86	78	980	91.0	91.8	92.9	0.71	0.78	0.81	60.6
37	250M	360.6	4	8	90	78	980	91.5	92.3	93.3	0.73	0.81	0.84	71.7
45	280S	434.1	4	8	92	80	990	91.8	92.8	93.7	0.75	0.83	0.86	84.8
55	280M	530.6	4	8	92	80	990	92.4	93.2	94.1	0.76	0.83	0.86	103.3
75	315S	727.2	16	32	94	81	985	92.1	93.4	94.6	0.77	0.83	0.85	141.7
90	315M	872.6	14.5	29.5	94	81	985	92.5	93.7	94.9	0.76	0.82	0.84	171.5
110	315L	1066.5	13.5	27.5	94	81	985	93.0	94.1	95.1	0.78	0.84	0.85	206.8
132	315L	1279.8	14	27.5	94	81	985	93.4	94.4	95.4	0.79	0.85	0.86	244.5
160	355S	1551.3	22	44.5	96	83	985	93.3	94.5	95.6	0.81	0.86	0.87	292.3
185	355M	1793.7	21.5	43	96	83	985	93.4	94.6	95.8	0.81	0.86	0.87	337.2
200	355M	1939.1	22	43.5	96	83	985	93.7	94.8	95.8	0.81	0.86	0.87	364.6
220	355L	2133.0	20	40	96	83	985	93.7	94.8	95.8	0.81	0.86	0.87	401.0
250	355L	2423.9	22.5	44.5	96	83	985	93.9	94.8	95.8	0.81	0.86	0.87	455.7
8 极														
0.75	100L	10.4	14.5	29.5	66	58	690	66.0	69.9	75.0	0.45	0.58	0.67	2.27
1.1	100L	15.2	12.5	25.5	66	58	690	70.4	72.9	77.7	0.47	0.6	0.69	3.21
1.5	112M	20.8	12.5	25	71	63	690	71.7	74.3	79.7	0.48	0.61	0.70	4.03
2.2	132S	29.6	2	3.5	75	67	710	76.9	79.3	81.9	0.49	0.62	0.71	5.75
3	132M	40.4	2	3.5	75	67	710	79.7	81.0	83.5	0.52	0.65	0.73	7.48
4	160M	53.1	7	14.5	78	70	720	79.9	81.5	84.8	0.52	0.65	0.73	9.8
5.5	160M	73.0	6.5	13.5	78	70	720	82.0	83.4	86.2	0.54	0.66	0.74	13.1
7.5	160L	99.5	6	12	78	70	720	85.4	86.2	87.3	0.55	0.68	0.75	17.4
11	180L	145.9	9	18	82	74	720	87.7	88.2	88.6	0.57	0.69	0.75	25.2
15	200L	196.2	9	17.5	84	76	730	87.9	88.4	89.6	0.58	0.7	0.76	33.5
18.5	225S	242.0	9	18	86	78	730	89.7	90.3	90.1	0.59	0.7	0.76	41.1
22	225M	287.8	9	18.5	86	78	730	90.5	90.9	90.6	0.62	0.73	0.78	47.3
30	250M	387.2	9.5	19	90	78	740	90.9	91.4	91.3	0.62	0.73	0.79	63.2
37	280S	477.5	9.5	19	92	80	740	91.6	91.9	91.8	0.64	0.74	0.79	77.5
45	280M	580.7	8	16.5	92	80	740	92.0	92.4	92.2	0.64	0.74	0.79	93.9
55	315S	714.6	24	48	94	81	735	91.5	92.7	92.5	0.69	0.78	0.81	112.9
75	315M	974.5	24	48	94	81	735	92.5	93.4	93.1	0.7	0.78	0.81	153.0
90	315L	1169.4	21.5	42.5	94	81	735	92.7	93.7	93.4	0.7	0.79	0.82	183.0
110	315L	1429.3	21	42	94	81	735	93.1	94.0	93.7	0.71	0.79	0.82	217.5
132	355S	1703.5	37.5	75	96	83	740	92.4	93.5	94.0	0.71	0.79	0.82	260.2
160	355M	2064.9	39.5	79	96	83	740	93.2	94.1	94.3	0.73	0.8	0.82	314.4
185	355L	2387.5	39.5	79	96	83	740	93.3	94.1	94.6	0.73	0.8	0.82	362.4
200	355L	2581.1	39.5	79.5	96	83	740	93.6	94.4	94.6	0.74	0.81	0.83	387.0

W21LX4

Output (KW)	Frame	Rated torque (N.m)	Allowable locked rotor time (s)		Sound dB(A)	Sound pressure level	Rated speed (rpm)	Efficiency			Power factor			Full load current In (A)
			Hot(S)	Cold(S)				50%	75%	100%	50%	75%	100%	
2 极														
0.75	80M	2.5	7	14	67	59	2895	83.0	84.1	83.5	0.67	0.78	0.83	1.64
1.1	80M	3.6	7	13	67	59	2890	85.4	86.0	85.2	0.68	0.78	0.83	2.36
1.5	90S	4.9	8	15	78	70	2898	87.2	87.5	86.5	0.73	0.81	0.84	3.14
2.2	90L	7.2	7	13	78	70	2898	88.3	88.8	88.0	0.73	0.81	0.85	4.47
3	100L	9.9	9	18	82	74	2895	90.1	90.1	89.1	0.77	0.84	0.87	5.88
4	112M	13.1	17	34	83	75	2913	90.0	90.5	90.0	0.79	0.86	0.88	7.67
5.5	132S	17.8	18	35	85	77	2945	89.7	90.8	90.9	0.76	0.84	0.88	10.4
7.5	132S	24.4	14	27	85	77	2940	91.3	91.9	91.7	0.81	0.87	0.89	14.0
11	160M	35.6	25	50	87	79	2950	91.0	92.3	92.6	0.79	0.86	0.89	20.3
15	160M	48.6	23	45	87	79	2950	92.1	93.1	93.3	0.80	0.87	0.89	27.4
18.5	160L	59.9	22	44	87	79	2950	92.8	93.6	93.7	0.80	0.87	0.89	33.7
22	180M	71.0	35	71	88	80	2960	92.1	93.6	94.0	0.79	0.86	0.89	40.0
30	200L	96.5	20	40	90	82	2970	93.4	94.3	94.5	0.80	0.87	0.89	54.2
37	200L	119.0	18	36	90	82	2970	93.9	94.6	94.8	0.80	0.87	0.89	66.6
45	225M	144.5	20	40	92	84	2975	93.4	94.7	95.0	0.80	0.86	0.89	80.9
55	250M	176.3	41	81	92	80	2980	93.3	94.7	95.3	0.80	0.86	0.89	98.5
75	280S	240.4	60	120	94	82	2980	93.7	95.0	95.6	0.83	0.88	0.89	133.9
90	280M	288.4	60	120	94	82	2980	94.1	95.3	95.8	0.82	0.88	0.89	160.4
110	315S	352.5	63	127	98	85	2980	94.3	95.5	96.0	0.79	0.86	0.89	195.6
132	315M	423.0	57	115	98	85	2980	94.6	95.7	96.2	0.78	0.86	0.89	234.2
160	315L	512.8	53	105	98	85	2980	94.7	95.9	96.3	0.78	0.86	0.90	280.5
185	315L	592.9	39	78	98	85	2980	95.3	96.2	96.5	0.83	0.89	0.90	323.6
200	315L	640.9	36	73	98	85	2980	95.5	96.2	96.5	0.85	0.89	0.90	349.9
185	355S	591.9	63	127	100	87	2985	95.1	96.1	96.5	0.84	0.89	0.90	323.6
200	355S	639.9	63	127	100	87	2985	95.0	96.1	96.5	0.84	0.89	0.90	349.9
220	355M	703.9	65	130	100	87	2985	95.0	96.1	96.5	0.84	0.89	0.90	384.9
250	355M	799.8	51	102	100	87	2985	95.3	96.2	96.5	0.86	0.89	0.90	437.4
280	355L	895.8	57	115	100	87	2985	95.3	96.2	96.5	0.85	0.90	0.91	484.5
315	355L	1007.8	40	79	100	87	2985	89.5	94.1	96.5	0.89	0.91	0.91	545.0
4 极														
0.55	80M	3.6	18	35	58	50	1440	83.2	84.3	83.9	0.56	0.68	0.75	1.33
0.75	80M	5.0	22	43	58	50	1437	84.8	86.0	85.7	0.56	0.68	0.75	1.77
1.1	90S	7.3	24	47	66	58	1440	86.5	87.6	87.2	0.57	0.68	0.75	2.56
1.5	90L	9.9	22	43	66	58	1440	87.6	88.5	88.2	0.58	0.69	0.75	3.45
2.2	100L	14.4	19	38	70	62	1455	88.9	89.8	89.5	0.62	0.73	0.79	4.73
3	100L	19.7	17	33	70	62	1455	90.1	90.8	90.4	0.63	0.74	0.80	6.30
4	112M	26.2	25	51	72	64	1460	90.6	91.3	91.1	0.64	0.75	0.80	8.34
5.5	132S	35.6	35	70	75	67	1475	90.6	91.8	91.9	0.65	0.75	0.80	11.4
7.5	132M	48.7	28	57	75	67	1470	91.4	92.5	92.6	0.67	0.77	0.81	15.2
11	160M	71.2	28	56	77	69	1475	92.2	93.2	93.3	0.68	0.79	0.83	21.6
15	160L	97.1	27	53	77	69	1475	93.1	93.9	93.9	0.71	0.80	0.84	28.9
18.5	180M	119.4	29	58	80	72	1480	93.3	94.1	94.2	0.73	0.81	0.85	35.1
22	180L	142.0	27	55	80	72	1480	93.6	94.4	94.5	0.73	0.82	0.85	41.6
30	200L	193.6	24	49	83	75	1480	94.2	94.9	94.9	0.76	0.82	0.85	56.5
37	225S	237.9	33	65	84	76	1485	93.9	95.0	95.2	0.75	0.83	0.85	69.5
45	225M	289.4	34	69	84	76	1485	93.9	95.1	95.4	0.75	0.82	0.85	84.3
55	250M	353.7	51	102	85	73	1485	93.9	95.2	95.7	0.74	0.83	0.86	101.5
75	280S	481.4	55	110	88	76	1488	94.5	95.6	96.0	0.77	0.85	0.87	136.4
90	280M	577.6	47	95	88	76	1488	94.8	95.8	96.1	0.78	0.84	0.87	163.6
110	315S	706.0	46	93	94	81	1488	95.2	96.0	96.3	0.76	0.84	0.87	199.5
132	315M	847.2	39	78	94	81	1488	95.6	96.3	96.4	0.78	0.85	0.87	239.1
160	315L	1026.9	35	71	94	81	1488	95.7	96.4	96.6	0.78	0.84	0.87	289.3
185	315L	1187.3	30	59	94	81	1488	96.0	96.6	96.7	0.80	0.86	0.87	334.1
200	315L	1283.6	28	55	94	81	1488	96.1	96.7	96.7	0.80	0.85	0.87	361.2
185	355S	1185.7	51	102	95	82	1490	95.7	96.5	96.7	0.80	0.85	0.87	334.1
200	355S	1281.9	51	102	95	82	1490	95.7	96.5	96.7	0.81	0.85	0.87	361.2
220	355M	1410.1	48	96	95	82	1490	95.7	96.5	96.7	0.82	0.86	0.87	397.3
250	355M	1602.3	44	88	95	82	1490	95.8	96.5	96.7	0.82	0.87	0.88	446.4
280	355L	1794.6	41	83	95	82	1490	95.7	96.5	96.7	0.80	0.86	0.88	499.9
315	355L	2019.0	34	68	95	82	1490	96.4	96.7	96.7	0.84	0.87	0.88	562.4

Output (KW)	Frame	Rated torque (N.m)	Allowable locked rotor time (s)		Sound dB(A)	Sound pressure level	Rated speed (rpm)	Efficiency			Power factor			Full load current In (A)
			Hot(S)	Cold(S)				50%	75%	100%	50%	75%	100%	
6 极														
0.37	80M	4.0	14	29	54	46	885	76.0	77.4	78.0	0.44	0.58	0.67	1.08
0.55	80M	5.9	16	32	54	46	885	78.9	80.3	80.9	0.45	0.59	0.68	1.52
0.75	90S	7.5	14	29	63	55	958	81.9	83.3	82.7	0.47	0.60	0.68	2.03
1.1	90L	11.0	16	32	63	55	958	83.8	85.1	84.5	0.48	0.61	0.69	2.87
1.5	100L	15.0	14	27	64	56	957	83.9	85.9	85.9	0.47	0.62	0.71	3.74
2.2	112M	21.7	16	32	70	62	969	87.1	87.9	87.4	0.53	0.65	0.71	5.39
3	132S	29.4	17	35	73	65	975	87.2	88.6	88.6	0.50	0.63	0.71	7.25
4	132M	39.2	16	32	73	65	975	88.5	89.7	89.5	0.53	0.66	0.72	9.43
5.5	132M	53.9	15	30	73	65	975	89.6	90.6	90.5	0.54	0.66	0.72	12.8
7.5	160M	73.1	25	50	73	65	980	90.7	91.5	91.3	0.60	0.71	0.76	16.4
11	160L	107.2	22	44	73	65	980	91.9	92.5	92.3	0.62	0.72	0.77	23.5
15	180L	146.2	16	33	77	69	980	92.2	93.0	92.9	0.63	0.74	0.80	30.7
18.5	200L	179.4	18	36	80	72	985	92.3	93.3	93.4	0.64	0.75	0.80	37.6
22	200L	213.3	17	35	80	72	985	92.9	93.7	93.7	0.66	0.77	0.81	44.0
30	225M	290.0	19	38	80	72	988	93.5	94.3	94.2	0.70	0.78	0.82	59.0
37	250M	356.9	18	36	82	70	990	93.9	94.6	94.5	0.73	0.80	0.83	71.7
45	280S	434.1	22	43	85	73	990	94.1	94.8	94.8	0.75	0.81	0.83	86.9
55	280M	530.6	21	43	85	73	990	94.5	95.1	95.1	0.76	0.82	0.84	104.6
75	315S	723.5	30	60	89	76	990	94.1	95.1	95.4	0.70	0.80	0.84	142.2
90	315M	868.2	30	60	89	76	990	94.7	95.5	95.6	0.74	0.82	0.85	168.3
110	315L	1061.1	29	57	89	76	990	94.9	95.7	95.8	0.74	0.82	0.85	205.2
132	315L	1273.3	25	51	89	76	990	95.3	95.9	96.0	0.76	0.84	0.86	242.9
160	355S	1543.4	51	102	94	81	990	94.7	95.9	96.2	0.80	0.85	0.86	293.8
185	355M	1784.6	47	94	94	81	990	94.8	96.0	96.3	0.80	0.85	0.86	339.4
200	355M	1929.3	43	86	94	81	990	95.0	96.1	96.3	0.80	0.85	0.86	366.9
220	355L	2122.2	48	96	94	81	990	95.2	96.3	96.5	0.80	0.85	0.86	402.8
250	355L	2411.6	39	78	94	81	990	95.4	96.3	96.5	0.80	0.85	0.86	457.7
8 极														
0.18	80M	2.7	12	23	52	44	645	65.7	66.8	67.2	0.34	0.50	0.61	0.67
0.25	80M	3.7	13	25	52	44	645	69.2	70.4	70.8	0.34	0.50	0.61	0.88
0.37	90S	5.3	15	29	63	55	670	72.3	73.7	74.3	0.36	0.51	0.61	1.24
0.55	90L	7.8	13	25	63	55	670	75.0	76.3	77.0	0.37	0.52	0.61	1.78
0.75	100L	10.5	13	25	64	56	680	77.1	79.0	78.4	0.50	0.57	0.66	2.20
1.1	100L	15.4	13	25	64	56	680	79.8	81.4	80.8	0.45	0.59	0.67	3.09
1.5	112M	20.8	20	40	70	62	690	83.3	83.8	82.6	0.48	0.62	0.69	4.00
2.2	132S	29.8	15	29	71	63	705	84.2	85.1	84.5	0.49	0.62	0.70	5.65
3	132M	40.6	12	23	71	63	705	85.9	86.6	85.9	0.50	0.63	0.70	7.58
4	160M	53.1	19	38	72	64	720	86.2	87.3	87.1	0.51	0.63	0.71	9.83
5.5	160M	73.0	17	34	72	64	720	87.8	88.6	88.3	0.53	0.65	0.72	13.1
7.5	160L	99.5	19	38	72	64	720	88.6	89.5	89.3	0.54	0.67	0.74	17.2
11	180L	143.9	18	36	76	68	730	89.6	90.5	90.4	0.55	0.68	0.74	25.0
15	200L	196.2	15	31	79	71	730	90.5	91.4	91.2	0.59	0.70	0.75	33.3
18.5	225S	242.0	14	28	79	71	730	90.6	91.7	91.7	0.57	0.69	0.75	40.9
22	225M	287.8	13	27	79	71	730	91.2	92.1	92.1	0.59	0.71	0.76	47.8
30	250M	389.8	16	32	80	68	735	92.0	92.8	92.7	0.62	0.73	0.77	63.9
37	280S	480.7	17	34	82	70	735	92.3	93.1	93.1	0.62	0.73	0.78	77.4
45	280M	584.7	18	36	82	70	735	92.5	93.3	93.4	0.62	0.73	0.78	93.9
55	315S	709.8	16	32	88	75	740	92.8	93.6	93.7	0.66	0.76	0.80	111.5
75	315M	967.9	18	35	88	75	740	93.4	94.2	94.2	0.67	0.76	0.80	151.2
90	315L	1161.5	17	34	88	75	740	93.5	94.3	94.4	0.67	0.77	0.81	178.8
110	315L	1419.6	19	38	88	75	740	93.8	94.6	94.7	0.67	0.77	0.81	217.9
132	355S	1703.5	59	118	92	79	740	93.6	94.7	94.9	0.70	0.78	0.81	260.9
160	355M	2064.9	52	104	92	79	740	94.1	95.0	95.1	0.73	0.80	0.82	311.7
185	355L	2387.5	51	102	92	79	740	94.4	95.2	95.3	0.73	0.80	0.82	359.7
200	355L	2581.1	46	92	92	79	740	94.5	95.3	95.4	0.73	0.80	0.82	388.5
10 极														
45	315S	728.4	39.5	79	82	69	590	90.2	91.2	91.2	0.61	0.71	0.75	100.0
55	315M	890.3	36	72.5	82	69	590	90.7	91.7	91.8	0.61	0.71	0.75	121.4
75	315L	1214.0	41	81.5	82	69	590	91.5	92.3	92.3	0.62	0.72	0.76	162.4
90	315L	1456.8	39	78.5	82	69	590	92.2	92.9	92.9	0.63	0.73	0.77	191.2
90	355S	1456.8	44	88	90	77	590	91.8	92.8	92.9	0.64	0.74	0.77	191.2
110	355M	1780.5	46	92	90	77	590	92.0	93.0	93.1	0.64	0.74	0.77	233.1
132	355M	2136.6	40	79.5	90	77	590	92.7	93.5	93.5	0.64	0.74	0.78	275.0
160	355L	2589.8	42.5	85.5	90	77	590	93.0	93.6	93.5	0.66	0.75	0.78	333.3
185	355L	2994.5	41	82.5	90	77	590	93.0	93.6	93.5	0.66	0.75	0.78	385.4
200	355L	2581.1	39.5	79.5	96	83	740	93.6	94.4	94.6	0.74	0.81	0.83	387.0

W21LXD

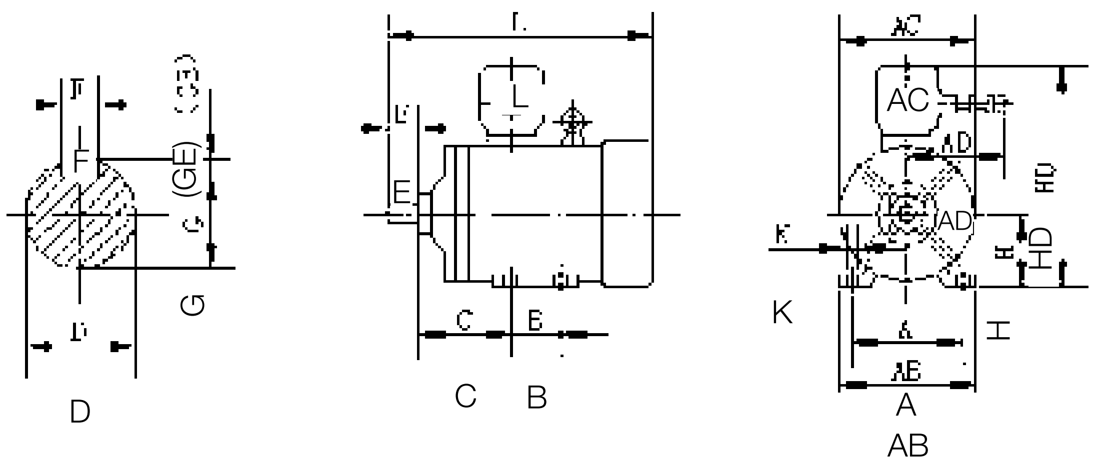
Output (KW)	Frame	Rated torque (N.m)	Allowable locked rotor time (s)		Sound dB(A)	Sound pressure level	Rated speed (rpm)	Efficiency			Power factor			Full load current In (A)
			Hot(S)	Cold(S)				50%	75%	100%	50%	75%	100%	
2 极														
0.75	80M	2.5	8	16	67	59	2850	77.4	80.6	80.7	0.67	0.78	0.83	1.70
1.1	80M	3.7	6	12	67	59	2840	80.9	83.2	82.7	0.69	0.79	0.83	2.43
1.5	90S	5.0	7.5	15	72	64	2850	82.3	84.5	84.2	0.72	0.80	0.84	3.22
2.2	90L	7.4	5.5	10.5	72	64	2850	84.9	86.5	85.9	0.74	0.82	0.85	4.58
3	100L	10.0	6.5	12.5	76	68	2870	86.0	87.5	87.1	0.77	0.84	0.87	6.02
4	112M	13.2	6.5	13	77	69	2890	88.3	89.0	88.1	0.80	0.86	0.88	7.84
5.5	132S	18.1	7.5	15	80	72	2900	87.6	89.2	89.2	0.78	0.85	0.88	10.6
7.5	132S2	24.7	7	13.5	80	72	2900	89.7	90.5	90.1	0.82	0.87	0.89	14.2
11	160M	35.7	14	28	86	78	2940	88.1	90.1	91.2	0.81	0.87	0.89	20.6
15	160M	48.7	11.5	23.5	86	78	2940	90.4	91.8	91.9	0.83	0.88	0.89	27.9
18.5	160L	60.1	10.5	21	86	78	2940	91.2	92.4	92.4	0.84	0.88	0.89	34.2
22	180M	71.2	13	26	88	80	2950	90.7	92.4	92.7	0.83	0.88	0.89	40.5
30	200L	97.3	8	16	90	82	2945	91.7	93.1	93.3	0.83	0.88	0.89	54.9
37	200L	120.0	7	14	90	82	2945	93.5	93.6	93.7	0.83	0.88	0.89	67.4
45	225M	145.2	6	12	92	84	2960	92.5	93.8	94.0	0.83	0.88	0.89	81.7
55	250M	176.9	7.5	15	92	80	2970	92.4	93.9	94.3	0.83	0.88	0.89	99.6
75	280S	241.2	9.5	19	94	82	2970	92.8	94.3	94.7	0.84	0.88	0.89	135.2
90	280M	289.4	8.5	17	94	82	2970	93.5	94.7	95.0	0.85	0.88	0.89	161.7
110	315S	353.1	19	38.5	96	83	2975	92.5	94.4	95.2	0.85	0.88	0.89	197.3
132	315M	423.7	17	33.5	96	83	2975	93.2	94.8	95.4	0.85	0.88	0.89	236.2
160	315L	513.6	17	34	98	85	2975	93.4	95.0	95.6	0.86	0.89	0.89	285.7
200	315L	642.0	13	26	98	85	2975	94.2	95.4	95.8	0.86	0.89	0.89	356.4
185	355S	592.9	43	86.5	98	85	2980	94.0	95.3	95.7	0.87	0.88	0.89	330.0
200	355S	640.9	43	86.5	98	85	2980	94.1	95.4	95.8	0.87	0.88	0.89	356.4
220	355M	705.0	41	81.5	100	87	2980	94.1	95.4	95.8	0.87	0.88	0.89	392.0
250	355M	801.2	41	81.5	100	87	2980	94.1	95.4	95.8	0.87	0.88	0.90	440.6
280	355L	897.3	41	81.5	100	87	2980	94.3	95.4	95.8	0.88	0.89	0.90	493.4
315	355L	1009.5	35	70.5	100	87	2980	94.3	95.4	95.8	0.88	0.89	0.90	555.1
4 极														
0.55	80M	3.8	18.5	37.5	58	50	1390	75.0	78.1	77.8	0.53	0.67	0.75	1.43
0.75	80M	5.2	17	33.5	58	50	1390	81.5	83.5	82.5	0.54	0.67	0.75	1.84
1.1	90S	7.6	19	38	61	53	1390	84.0	85.6	84.1	0.57	0.69	0.75	2.65
1.5	90L	10.3	19	37.5	61	53	1390	85.4	86.7	85.3	0.58	0.69	0.75	3.56
2.2	100L	14.8	11	22	64	56	1420	86.3	87.6	86.7	0.64	0.75	0.81	4.76
3	100L	20.2	11.5	23	64	56	1420	87.9	88.8	87.7	0.67	0.77	0.82	6.34
4	112M	26.7	13.5	27	65	57	1430	88.6	89.5	88.6	0.67	0.77	0.82	8.37
5.5	132S	36.2	10.5	21	71	63	1450	89.4	90.3	89.6	0.69	0.78	0.82	11.4
7.5	132M	49.4	9.5	19	71	63	1450	90.3	91.1	90.4	0.71	0.79	0.83	15.2
11	160M	72.0	9	18.5	75	67	1460	91.5	92	91.4	0.73	0.82	0.85	21.5
15	160L	98.1	8.5	17.5	75	67	1460	92.2	92.6	92.1	0.74	0.82	0.85	29.1
18.5	180M	120.2	3.5	7	76	68	1470	92.4	93	92.6	0.74	0.82	0.86	35.3
22	180L	142.9	3.5	6.5	76	68	1470	92.9	93.4	93.0	0.74	0.82	0.86	41.8
30	200L	194.9	6.5	12.5	79	71	1470	93.3	93.9	93.6	0.76	0.84	0.87	56.0
37	225S	238.8	9	18	81	73	1480	93.7	94	93.9	0.78	0.85	0.87	68.8
45	225M	290.4	6.5	13	81	73	1480	93.6	94.3	94.2	0.78	0.85	0.87	83.4
55	250M	354.9	7.5	15.5	83	71	1480	93.8	94.6	94.6	0.79	0.86	0.88	100.4
75	280S	484.0	9	18	86	74	1480	94.0	94.9	95.0	0.81	0.86	0.88	136.3
90	280M	580.7	8.5	17.5	86	74	1480	94.0	95.0	95.2	0.8	0.87	0.89	161.4
110	315S	709.8	15.5	31	93	80	1480	94.0	95.1	95.4	0.82	0.88	0.89	196.8
132	315M	851.8	14	28.5	93	80	1480	94.4	95.4	95.6	0.83	0.88	0.89	235.7
160	315L	1032.4	13	26	94	81	1480	94.6	95.6	95.8	0.84	0.88	0.89	285.1
200	315L	1290.5	12	23.5	94	81	1480	95.2	95.9	96.0	0.84	0.88	0.89	355.7
185	355S	1187.3	19	37.5	94	81	1488	94.7	95.7	95.9	0.86	0.89	0.89	329.3
200	355S	1283.6	19	37.5	94	81	1488	94.8	95.8	96.0	0.86	0.89	0.89	355.7
220	355M	1412.0	19	38.5	95	82	1488	94.8	95.8	96.0	0.86	0.89	0.89	391.2
250	355M	1604.5	19	38.5	95	82	1488	94.8	95.8	96.0	0.86	0.89	0.89	444.6
280	355L	1797.0	14.5	29.5	95	82	1488	95.0	95.8	96.0	0.87	0.89	0.89	497.9
315	355L	2021.7	15.5	30.5	95	82	1488	95.0	95.8	96.0	0.87	0.89	0.89	560.2

Output (KW)	Frame	Rated torque (N.m)	Allowable locked rotor time (s)		Sound dB(A)	Sound pressure level	Rated speed (rpm)	Efficiency			Power factor			Full load current In (A)
			Hot(S)	Cold(S)				50%	75%	100%	50%	75%	100%	
6 极														
0.55	80M	5.9	16	32	54	46	890	72.6	75.1	73.6	0.49	0.63	0.72	1.58
0.75	90S	7.9	19	38.5	57	49	910	77.2	79.8	78.9	0.5	0.63	0.72	2.01
1.1	90L	11.5	18.5	37.5	57	49	910	80.4	82.4	81.0	0.52	0.65	0.73	2.83
1.5	100L	15.4	11.5	22.5	61	53	930	82.1	83.9	82.5	0.54	0.67	0.74	3.73
2.2	112M	22.4	15.5	31	65	57	940	84.6	85.7	84.3	0.55	0.67	0.74	5.36
3	132S	29.5	7.5	15.5	69	61	970	83.9	85.8	85.6	0.54	0.67	0.74	7.20
4	132M	39.4	6	12.5	69	61	970	85.3	87	86.8	0.54	0.67	0.74	9.46
5.5	132M	54.1	6	12	69	61	970	87.1	88.4	88.0	0.57	0.69	0.75	12.7
7.5	160M	73.8	10	20	73	65	970	87.5	89.1	89.1	0.61	0.72	0.78	16.4
11	160L	108.3	9	18	73	65	970	89.1	90.4	90.3	0.62	0.73	0.78	23.7
15	180L	146.2	5	9.5	73	65	980	90.6	91.5	91.2	0.66	0.76	0.81	30.9
18.5	200L	180.6	4	8	76	68	978	91.0	92.0	91.7	0.66	0.76	0.81	37.8
22	200L	214.8	4	8.5	76	68	978	91.9	92.6	92.2	0.69	0.78	0.82	44.2
30	225M	292.3	10.5	20.5	76	68	980	92.2	93.0	92.9	0.71	0.78	0.81	60.6
37	250M	360.6	5	10.5	78	66	980	92.6	93.4	93.3	0.73	0.81	0.84	71.7
45	280S	434.1	5.5	11	80	68	990	92.8	93.8	93.7	0.75	0.83	0.86	84.8
55	280M	530.6	6	11.5	80	68	990	93.4	94.2	94.1	0.76	0.83	0.86	103.3
75	315S	727.2	16	32	85	72	985	93.0	94.3	94.6	0.77	0.83	0.85	141.7
90	315M	872.6	15	29.5	85	72	985	93.1	94.3	94.9	0.76	0.82	0.84	171.5
110	315L	1066.5	14.5	29.5	85	72	985	93.8	94.9	95.1	0.78	0.84	0.85	206.8
132	315L	1279.8	13	25.5	85	72	985	94.2	95.2	95.4	0.79	0.85	0.86	244.5
160	355S	1551.3	19.5	39	92	79	985	94.1	95.3	95.6	0.81	0.86	0.87	292.3
185	355M	1793.7	18	36	92	79	985	94.2	95.4	95.7	0.81	0.86	0.87	337.6
200	355M	1939.1	18.5	37.5	92	79	985	94.5	95.6	95.8	0.81	0.86	0.87	364.6
220	355L	2133.0	21.5	42.5	92	79	985	94.5	95.6	95.8	0.81	0.86	0.87	401.1
250	355L	2423.9	20.5	41	92	79	985	94.7	95.6	95.8	0.81	0.86	0.87	455.7
8 极														
0.55	90L	7.8	32	64	56	48	670	57.7	62.7	63.0	0.4	0.52	0.61	2.17
0.75	100L	10.4	14.5	29.5	59	51	690	64.7	68.6	68.7	0.45	0.58	0.67	2.48
1.1	100L	15.2	12.5	25.5	59	51	690	69.1	71.6	70.7	0.45	0.58	0.67	3.53
1.5	112M	20.8	12.5	25	61	53	690	70.5	73.1	72.8	0.49	0.62	0.71	4.41
2.2	132S	29.6	7.5	15.5	64	56	710	75.8	78.2	77.9	0.49	0.62	0.71	6.04
3	132M	40.4	6	12	64	56	710	78.6	79.9	78.9	0.52	0.65	0.73	7.91
4	160M	53.1	7	14	68	60	720	78.8	80.4	79.9	0.52	0.65	0.73	10.4
5.5	160M	73.0	6.5	13.5	68	60	720	81.0	82.4	82.0	0.54	0.66	0.74	13.8
7.5	160L	99.5	6	12	68	60	720	83.9	84.7	84.0	0.55	0.68	0.75	18.1
11	180L	145.9	10	20	70	62	720	86.6	87.1	86.4	0.57	0.69	0.75	25.8
15	200L	196.2	8.5	16.5	73	65	730	86.8	87.3	86.9	0.58	0.7	0.76	34.5
18.5	225S	238.8	9	18.5	73	65	740	88.8	89.4	89.1	0.59	0.7	0.76	41.5
22	225M	283.9	9.5	18.5	73	65	740	89.6	90.0	89.6	0.62	0.73	0.78	47.8
30	250M	387.2	12.5	25.5	75	63	740	90.3	90.8	90.4	0.62	0.73	0.79	63.8
37	280S	477.5	15.5	31	76	64	740	91.0	91.3	90.9	0.64	0.74	0.79	78.3
45	280M	580.7	14.5	29.5	76	64	740	91.4	91.8	91.4	0.64	0.74	0.79	94.7
55	315S	714.6	21.5	43	82	69	735	91.0	92.1	92.3	0.68	0.77	0.80	113.2
75	315M	974.5	23	45.5	82	69	735	92.2	93.1	93.2	0.69	0.77	0.80	152.8
90	315L	1169.4	19.5	39	82	69	735	92.4	93.4	93.5	0.68	0.77	0.80	182.8
110	315L	1429.3	19	38	82	69	735	92.6	93.5	93.5	0.71	0.79	0.82	218.0
132	355S	1703.5	27.5	55.5	90	77	740	92.5	93.6	93.8	0.71	0.79	0.82	260.8
160	355M	2064.9	27	54	90	77	740	93.0	93.9	94.0	0.73	0.8	0.82	315.4
185	355L	2387.5	25	50	90	77	740	93.1	93.9	94.0	0.73	0.8	0.82	364.7
200	355L	2581.1	27	54	90	77	740	93.3	94.1	94.2	0.74	0.81	0.83	388.7

7.Outline installation dimensions of motor

7.1 W21LX2

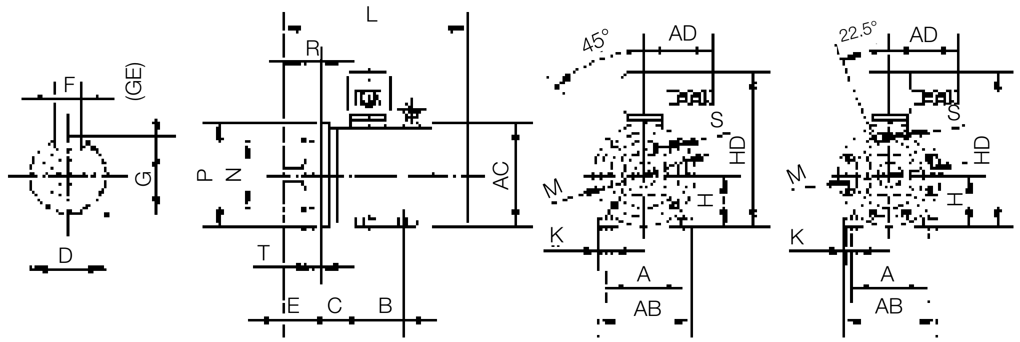
Motor with base with feet and no flange on the end cover



Frame	Poles	Installation size and tolerance (unit: mm)																	Dimensions[c] (unit: mm)				
		A	B	C		D		E		F		G[a]		H		K[b]			AB	AC	AD	HD	L
				Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference					
80M	2、4、6、8	125	100	50	±1.5	19	+0.009 -0.004	40	±0.3	6	0 -0.030	15.5	0 -0.10	80	0 -0.5	10	+0.36 0 Ⓜ	ϕ1.0	165	165	180	320	420
90S		140		56		24		50		8	0 -0.036	20	0 -0.2	90					180	180		350	465
90L			125																				490
100L		160	140	63	±2.0	28		60				24		100		12	+0.43 0 Ⓜ		200	205		400	535
112M		190		70										112					245	230	200	420	600
132S		216		89		38	+0.018 -0.002	80		10		33		132					280	270		450	610
132M			178																				650
160M		254	210	108	±3.0	42		110		12	0 -0.043	37		160		14.515		ϕ1.5	330	325	220	520	795
160L			254																				825
180M		279	241	121		48				14		42.5		180					355	360		550	875
180L			279																				895
200L		318	305	133		55	+0.030 -0.011			16		49		200		18.519	+0.52 0 Ⓜ		390	400	250	645	945
225S	4、8	356	286	149	±4.0	60		140	±0.5	18		53		225					435	450		690	985
225M	2		311			55		110	±0.3	16		49											985
	4、6、8					60		140	±0.5	18		53											1015
250M	2	406	349	168										250		24		ϕ2.0	490	500	300	730	1070
	4、6、8					65						58											
280S	2	457	368	190										280	0 -1.0				545	560		810	1180
	4、6、8					75				20	0 -0.052	67.5											
280M	2		419			65				18	0 -0.043	58											1235
	4、6、8					75				20	0 -0.052	67.5											
315S	2	508	406	216		65				18	0 -0.043	58		315		28			640	630	400	1020	1345
	4、6、8、10					80		170		22	0 -0.052	71											1375
315M	2		457			65		140		18	0 -0.043	58											1465
	4、6、8、10					80		170		22	0 -0.052	71											1495
315L	2		508			65		140		18	0 -0.043	58											1465
	4、6、8、10					80		170		22	0 -0.052	71											1495
355S	2	610	500	254		75		140		20		67.5		355					740	750	500	1080	1545
	4、6、8、10					95	+0.035 -0.013	170		25		86											1575
355M	2		560			75	+0.030 -0.011	140		20		67.5											1625
	4、6、8、10					95	+0.035 -0.013	170		25		86											1655
355L	2		630			75	+0.030 -0.011	140		20		67.5											1735
	4、6、8、10					95	+0.035 -0.013	170		25		86											1765

a) G=D-GE. GE's limit deviation is $(^{+0.10}_{0})$ for frame size 80 and below, and the rest are $(^{+0.20}_{0})$.
b) K hole position tolerance is based on the axis of shaft extension.
c) The external dimensions are reference dimensions.

Motors with base feet and flanges (with through holes) on the end cover

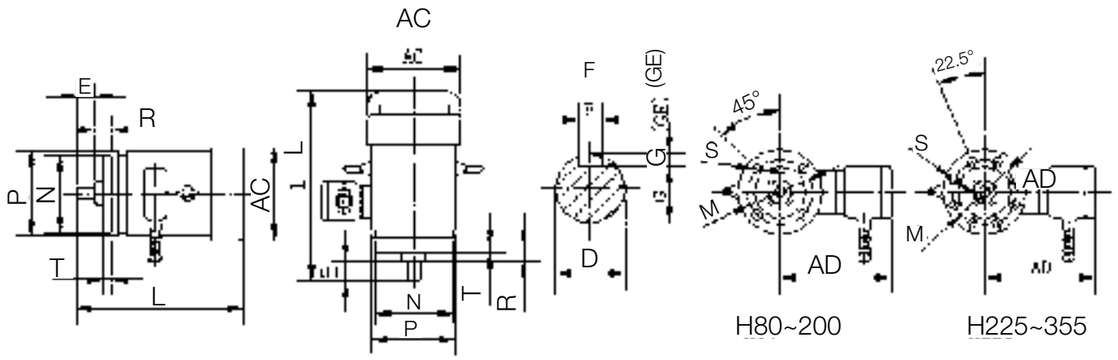


H80~200 H225~355

Frame	Poles	Installation size and tolerance (unit: mm)																													Dimensions[e] (unit: mm)				
		A	B	C		D		E		F		G[a]		H		K[b]			M	N		P[c]	R[d]		S[b]			T		Number of flange holes	AB	AC	AD	HD	L
				Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference		Basic size	Limit deviation		Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference	Basic size	Limit deviation						
80M	2、4、6、8	125	100	50	±1.5	19	+0.009 -0.004	40	±0.3	6	0 -0.030	15.5	0 -0.10	80	0 -0.5	10	+0.36 0	ϕ1.0 Ⓜ	165	130	+0.014 -0.011	200	0	±1.5	12	+0.43 0	ϕ1.0 Ⓜ	3.5	0 -0.12	4	165	165	180	320	420
90S		140		56		24		50		8	0 -0.036	20	0 -0.20	90																	180	180		350	465
90L			125																																490
100L		160	140	63	±2.0	28		60				24		100		12	+0.43 0		215	180		250		±2.0	15		ϕ1.5 Ⓜ	4			200	205		400	535
112M		190		70										112																	245	230	200	420	600
132S		216		89		38	+0.018 +0.002	80		10		33		132					265	230	+0.016 -0.013	300									280	270		450	610
132M			178																																650
160M		254	210	108	±3.0	42		110		12	0 -0.043	37		160		15		ϕ1.5 Ⓜ	300	250		350		±3.0	19	+0.52 0		5			330	325	220	520	795
160L			254																																825
180M		279	241	121		48				14		42.5		180																	355	360		550	875
180L			279																																895
200L		318	305	133		55	+0.030 +0.011			16		49		200		19	+0.52 0		350	300	±0.016	400									390	400	250	645	945
225S	4、8	356	286	149	±4.0	60		140	±0.5	18		53		225					400	350	±0.018	450		±4.0						8	435	450		690	985
225M	2		311			55		110	±0.3	16		49																							985
	4、6、8					60		140	±0.5	18		53																							1015
250M	2	406	349	168										250				ϕ2.0 Ⓜ	500	450	±0.020	550									490	500	300	730	1070
	4、6、8					65						58																							
280S	2	457	368	190										280	0 -1.0	24															545	565		810	1180
	4、6、8					75				20	0 -0.052	67.5																							
280M	2		419			65				18	0 -0.043	58																							1235
	4、6、8					75				20	0 -0.052	67.5																							
315S	2	508	406	216		65				18	0 -0.043	58		315		28			600	550	±0.022	660			24		ϕ2.0 Ⓜ	6	0 -0.15		640	630	400	1020	1345
	4、6、8、10					80		170		22	0 -0.052	71																							1375
315M	2		457			65		140		18	0 -0.043	58																							1465
	4、6、8、10					80		170		22	0 -0.052	71																							1495
315L	2		508			65		140		18	0 -0.043	58																							1465
	4、6、8、10					80		170		22	0 -0.052	71																							1495
355S	2	610	500	254		75		140		20		67.5		355					740	680	±0.025	800									740	750	500	1080	1545
	4、6、8、10					95	+0.035 +0.013	170		25		86																							1575
355M	2		560			75	+0.030 +0.011	140		20		67.5																							1625
	4、6、8、10					95	+0.035 +0.013	170		25		86																							1655
355L	2		630			75	+0.030 +0.011	140		20		67.5																							1735
	4、6、8、10					95	+0.035 +0.013	170		25		86																							1765

a) G=D-GE. GE's limit deviation is $(^{+0.10}_{0})$ for frame size 80, and the rest are $(^{+0.20}_{0})$.
b) The position tolerance of the K and S holes is based on the axis of the shaft extension.
c) P size is the maximum limit.
d) R is the distance from the flange mating surface to the shaft extension shoulder.
e) External dimensions are reference dimensions.

Motor with base without feet and flange (with through hole) on the end cover

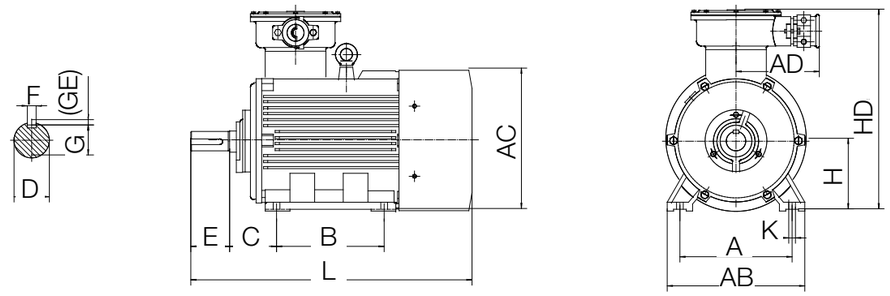


Frame	Poles	Installation size and tolerance (unit: mm)																				Number of flange holes	Dimensions[e] (unit: mm)			
		D		E		F		G[a]		M	N		P	R[c]		S[d]			T				AC	AD	L	
		Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation		Basic size	Limit deviation		Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference	Basic size	Limit deviation					Horizontal	Vertical
80M	2、4、6、8	19	+0.009 -0.004	40	±0.3	6	0 -0.030	15.5	0 -0.10	165	130	+0.014 -0.011	200	±1.5		12	+0.43 0	Ⓜ1.0	3.5		4	165	240	420	465
90S		24		50		8	0 -0.036	20														180	260	465	510
90L																								490	535
100L		28		60				24		215	180		250	±2.0		14.515			4			205	300	535	580
112M																						230	310	600	660
132S		38	+0.018 +0.002	80		10		33		265	230		300									270	320	610	690
132M																								650	730
160M		42		110		12		37		300	250	+0.016 -0.013	350	±3.0								325	360	795	855
160L																								825	885
180M		48				14		42.5														360	370	875	945
180L																								895	965
200L		55				16		49		350	300	±0.016	400									400	445	945	1015
225S	4、8	60		140	±0.5	18	0 -0.043	53		400	350	±0.018	450					Ⓜ1.5				450	465	985	1055
225M	2	55		110	±0.3	16		49																985	1055
	4、6、8	60		140		18		53																1015	1085
250M	2															18.519						500	500	1070	1160
	4、6、8	65						58		500	450	±0.020	550												
280S	2						0 -0.052															560	550	1180	1270
	4、6、8	75				20		67.5																	
280M	2	65	+0.030 +0.011			18	0 -0.043	58	0 -0.20					0			+0.52 0		5	0 -0.120	8			1235	1325
	4、6、8	75				20	0 -0.052	67.5																	
315S	2	65				18	0 -0.043	58		600	550	±0.022	660		±4.0	24		Ⓜ2.0	6			630	705	1345	1445
	4、6、8、10	80		170		22	0 -0.052	71																1375	1475
315M	2	65		140	±0.5	18	0 -0.043	58																1465	1565
	4、6、8、10	80		170		22	0 -0.052	71																1495	1595
315L	2	65		140		18	0 -0.043	58																1465	1565
	4、6、8、10	80		170		22		71																1495	1595
355S	2	75		140		20		67.5																1545	1675
	4、6、8、10	95	+0.035 +0.013	170		25		86		740	680	±0.025	800									750	725	1575	1705
355M	2	75	+0.030 +0.011	140		20	0 -0.052	67.5																1625	1755
	4、6、8、10	95	+0.035 +0.013	170		25		86																1655	1785
355L	2	75	+0.030 +0.011	140		20		67.5																1735	1865
	4、6、8、10	95	+0.035 +0.013	170		25		86																1765	1895

a) G=D-GE. GE's limit deviation is ($^{+0.10}_{0}$) for frame size 80, and the rest are ($^{+0.20}_{0}$).
b) The position tolerance of the K and S holes is based on the axis of the shaft extension.
c) P size is the maximum limit.
d) R is the distance from the flange mating surface to the shaft extension shoulder.
e) External dimensions are reference dimensions.

7.2 W21LX3

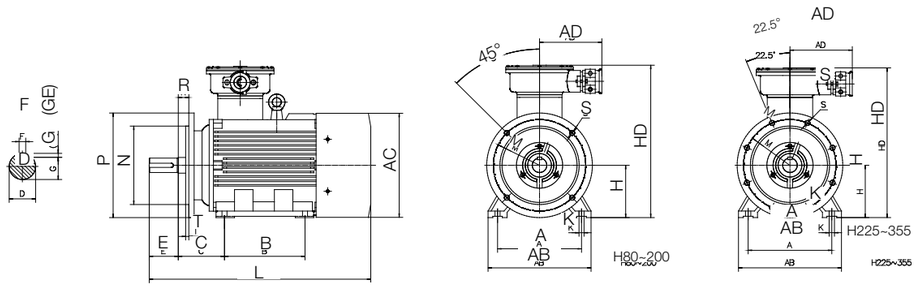
Motor base with feet and no flange on the end cover



Frame	Poles	Installation size and tolerance (unit: mm)																						Dimensions[c] (unit: mm)				
		A	B	C		D		E		F		G[a]		H		K[b]								AB	AC	AD	HD	L
				Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference										
80M	2、4、6、8	125	100	50	±1.5	19	+0.009 -0.004	40	±0.3	6	0 -0.030	15.5	0 -0.10	80	0 -0.5	10	+0.36 0	ϕ1.0 Ⓜ						165	165	180	320	330
90S		140	125	56		24		50		8	0 -0.036	20		90										180	180		350	360
90L																												385
100L		160	140	63	±2.0	28		60				24		100		12	+0.43 0							200	205	200	400	440
112M		190		70										112										245	230		420	460
132S		216		89		38		80		10		33		132										280	270	200	450	510
132M			178																									550
160M		254	210	108	±3.0	42	+0.018 +0.002	110		12		37		160		14.5								330	325	220	520	670
160L			254																									710
180M		279	241	121		48				14		42.5		180										355	360		550	730
180L			279																									750
200L		318	305	133		55				16		49		200		18.5		ϕ1.5 Ⓜ						390	400	250	645	805
225S	4、8		286		±4.0	60		140	±0.5	18	0 -0.043	53	0 -0.2															865
225M	2	356	311	149		55		110	±0.3	16		49		225										435	450		690	860
	4、6、8					60		140		18		53																890
250M	2															24												
	4、6、8	406	349	168		65						58		250										490	500	300	730	945
280S	2		368																									1010
	4、6、8	457		190		75				20	0 -0.052	67.5		280										545	560		810	
280M	2		419			65	+0.030 +0.011			18	0 -0.043	58			0 -1.0													1060
	4、6、8					75				20	0 -0.052	67.5																
315S	2		406			65				18	0 -0.043	58																1320
	4、6、8、10	508		216		80		170		22	0 -0.052	71		315		28	+0.52 0	ϕ2.0 Ⓜ						640	630	400	1020	1350
315M	2		457			65		140	±0.5	18	0 -0.043	58																1380
	4、6、8、10					80		170		22	0 -0.052	71																
315L	2		508			65		140		18	0 -0.043	58																1490
	4、6、8、10					80		170		22		71																1520
355S	2		500			75		140		20		67.5																
	4、6、8、10	610		254		95	+0.035 +0.013	170		25		86		355										740	750	500	1080	1570
355M	2		560			75	+0.030 +0.011	140		20	0 -0.052	67.5																1650
	4、6、8、10					95	+0.035 +0.013	170		25		86																
355L	2		630			75	+0.030 +0.011	140		20		67.5																1750
	4、6、8、10					95	+0.035 +0.013	170		25		86																

a) G=D-GE. GE's limit deviation is ($^{+0.10}_{0}$) for frame size 80 and below, and the rest are ($^{+0.20}_{0}$).
b) K hole position tolerance is based on the axis of shaft extension.
c) The external dimensions are reference dimensions.

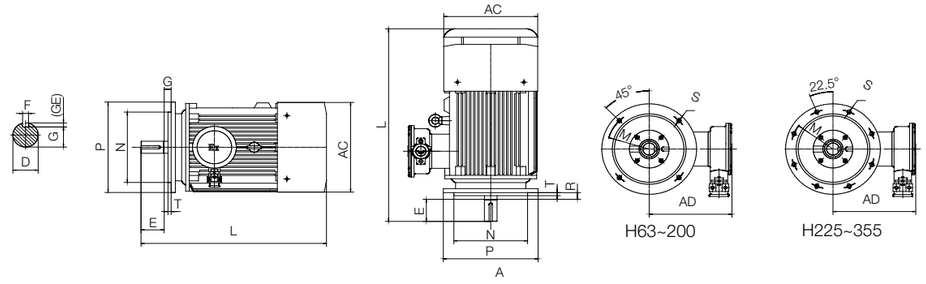
Motor with base feet and flanges (with through holes) on the end cover



Frame	Flange	Poles	A	B	C		D		E		F		G[a]		H		K[b]		M	N		P[c]		R[d]		S[b]			T		Number of flange holes	Dimensions[c] (unit: mm)				L
					Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Position degree Public difference		Basic size	Limit deviation		Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference	Basic size	Limit deviation		AC	AD	Horizontal	Vertical
80M	FF165	2、4、6、8	125	100	50	±1.5	19	+0.009 -0.004	40	±0.3	6	0 -0.030	15.5	0 -0.10	80	0 -0.5	10	Φ1.0 Ⓜ	165	130	+0.014 -0.011	200	±1.5	12	+0.43 0	Φ1.0 Ⓜ	3.5		4	165	240	330	375
90S			140	125	56		24		50		8	0 -0.036	20		90																180	260	360	405
90L																																	385	430
100L	FF215		160	140	63	±2.0	28		60		10		24		100		12	Φ1.5 Ⓜ	215	180		250	±2.0	14.5				4			205	300	440	485
112M			190		70								33		112																230	310	460	520
132S	FF265		216	178	89	±2.0	38	+0.018 +0.002	80	±0.3	12	0 -0.043	37	0 -0.20	132	0 -0.5	15		265	230	+0.016 -0.013	300									270	320	510	590
132M			254	210									42.5																				550	630
160M	FF300		254	254	108	±3.0	42		110		14		42.5		132		15		300	250		350	±3.0	18.5	+0.52 0	Φ1.5 Ⓜ	5			325	360	670	730
160L			279	241	121		48				16		49		160		19																710	770
180M			279	279			55								180																		730	800
180L			318	286	133				140	±0.5	18		53		200		24														360	370	750	820
200L	FF350	2、4、6、8	356	311	149	±4.0	60	+0.030 +0.011	110	±0.3	16	0 -0.043	49	0 -0.20	225	0 -1.0	28	Φ2.0 Ⓜ	350	300	±0.016	400	±4.0	24	+0.52 0	Φ2.0 Ⓜ	6	0 -0.120	8	400	445	805	875
225S		4、8	406	349	168		65		140	±0.5	18		53		250		28		400	350		450								450	465	865	935
225M	FF400	2	457	311	149		60		110	±0.3	16		49		225		24														450	465	860	930
		4、6、8		349	168		65		140	±0.5	18		53		250		28																890	960
250M		2		368	168		65		140	±0.5	18		53		250		28		500	450	±0.020	550									500	500	945	1035
		4、6、8		349			75				20		58		280																			
280S	FF500	2		368	190		65		140	±0.5	18		53		250		28		500	450	±0.020	550									560	550	1010	1100
		4、6、8		406			75				20		58		280																			
280M		2		368			65		140	±0.5	18		53		250		28		500	450	±0.020	550											1060	1150
		4、6、8		419			75				20		58		280																			
315S	FF600	2		406	254		65		140	±0.5	18		53		315		28		600	550	±0.022	660												1340
		4、6、8、10		457			80		170	±0.5	22		71		315																630	705		1370
315M		2		406			65		140	±0.5	18		53		315		28		600	550	±0.022	660												1420
		4、6、8、10		457			80		170	±0.5	22		71		315																			1450
315L		2		406			65		140	±0.5	18		53		315		28		600	550	±0.022	660												1510
		4、6、8、10		457			80		170	±0.5	22		71		315																			1540
355S	FF740	2		500	286		75	+0.035 +0.013	140	±0.5	20	0 -0.052	67.5		355	0 -1.0	28	Φ2.0 Ⓜ	740	680	±0.025	800	±4.0	24	+0.52 0	Φ2.0 Ⓜ	6	0 -0.120	8	750	725	—			1600
		4、6、8、10					95		170	±0.5	25		86																					
355M		2		560	311		75		140	±0.5	20		67.5		355		28		740	680	±0.025	800												1780
		4、6、8、10		630	349		95		170	±0.5	25		86																					
355L		2			254		75		140	±0.5	20		67.5		355		28		740	680	±0.025	800												
		4、6、8、10					95		170	±0.5	25		86																					

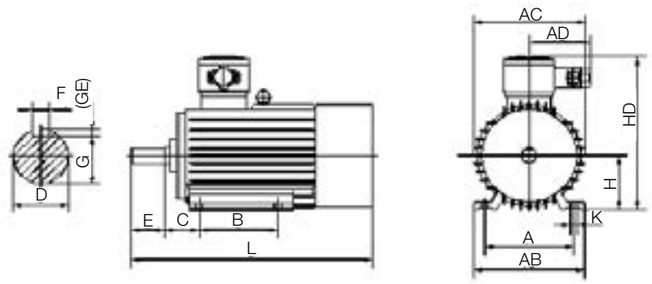
a) G=D-GE. GE's limit deviation is $(^{+0.10}_{0})$ for frame size 80, and the rest are $(^{+0.20}_{0})$.
b) The position tolerance of the K and S holes is based on the axis of the shaft extension.
c) P size is the maximum limit.
d) R is the distance from the flange mating surface to the shaft extension shoulder.
e) External dimensions are reference dimensions.

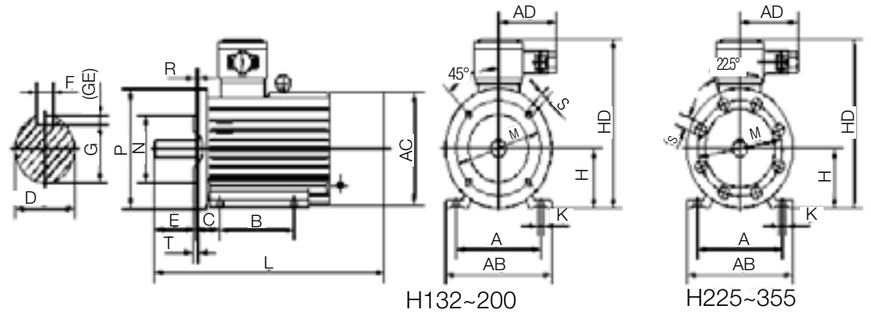
Motor with horizontal or vertical installation, base without feet, flange (with through hole) on the end cover



Frame	Flange	Poles	Installation size and tolerance (unit: mm)																												Dimensions[e] (unit: mm)			
			D		E		F		G[a]		M	N		P	R[c]		S[d]			T		Number of flange holes	AC	AD	L	
			Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation		Basic size	Limit deviation		Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference	Basic size	Limit deviation				Horizontal	Vertical
80M	FF165	2、4、6、8	19	+0.009 -0.004	40	±0.3	6	0 -0.030	15.5	0 -0.10	165	130	+0.014 -0.011	200		±1.5	12	+0.43 0	Φ1.0 Ⓜ	3.5		4	165	240	330	375
90S			24		50		8	0 -0.036	20														180	260	360	405
90L																									385	430
100L	FF215		28		60		10		24		215	180		250		±2.0	14.5			4			205	300	440	485
112M									33														230	310	460	520
132S	FF265		38	+0.018 +0.002	80		12	0 -0.043	37	0 -0.20	265	230	+0.016 -0.013	300	0						0 -0.120		270	320	510	590
132M									42.5																550	630
160M	FF300		42		110		14		42.5		300	250		350		±3.0	18.5	+0.52 0	Φ1.5 Ⓜ	5			325	360	670	730
160L									49																710	770
180M			48				16																360	370	730	800
180L									53																750	820
200L	FF350	2、4、6、8	55	+0.030 +0.011	110	±0.3	16	0 -0.043	49	0 -0.20	350	300	±0.016	400	0	±4.0	24	+0.52 0	Φ2.0 Ⓜ	6	0 -0.120	8	400	445	805	875
225S		4、8	60		140	±0.5	18		53														450	465	865	935
225M	FF400	2	55		110	±0.3	16		49		400	350		450											860	930
		4、6、8	60		140	±0.5	18		53																890	960
250M		2	65				18		58		500	450	±0.018 ±0.020	550			18.5			5			500	500	945	1035
		4、6、8	75						67.5																	
280S	FF500	2	65		140		18	0 -0.043	58		500	450		550									560	550	1010	1100
		4、6、8	75				20	0 -0.052	67.5																	
280M		2	65				18	0 -0.043	58		500	450		550											1060	1150
		4、6、8	75				20	0 -0.052	67.5																	
315S	FF600	2	65				18	0 -0.043	58		600	550	±0.022	660												1340
		4、6、8、10	80		170		22	0 -0.052	71														630	705		1370
315M		2	65		140		18	0 -0.043	58		600	550	±0.022	660												1420
		4、6、8、10	80		170		22	0 -0.052	71																	1450
315L		2	65		140		18	0 -0.043	58		600	550	±0.022	660												1510
		4、6、8、10	80		170		22	0 -0.052	71																	1540
355S	FF740	2	75	+0.035 +0.013	140	±0.5	20	0 -0.052	67.5		740	680	±0.025	800									750	725	—	1600
		4、6、8、10	95		170		25		86																	
355M		2	75	+0.030 +0.011	140		20		67.5		740	680	±0.025	800												1780
		4、6、8、10	95	+0.035 +0.013	170		25		86																	
355L		2	75	+0.030 +0.011	140		20		67.5		740	680	±0.025	800												
		4、6、8、10	95	+0.035 +0.013	170		25		86																	

a) G=D-GE. GE's limit deviation is $(^{+0.10}_{0})$ for frame size 80, and the rest are $(^{+0.20}_{0})$.
b) The position tolerance of the K and S holes is based on the axis of the shaft extension.
c) P size is the maximum limit.
d) R is the distance from the flange mating surface to the shaft extension shoulder.
e) External dimensions are reference dimensions.





7.3 W21LX4

Motor base with feet and no flange on the end cover

H132~355

Frame	Poles	Installation size and tolerance (unit: mm)																	Dimensions^{c} (unit： mm)				
		A	B	C		D		E		F		G^{a}		H		K^{b}			AB	AC	AD	HD	L
				Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference					
132S	2、4、6、8	216	140	89	±2.0	38	+0.018 -0.002	80	±0.3	10	0 -0.036	33	0 -0.2	132	0 -0.5	12	+0.43 0	ϕ1.0 Ⓜ	264	256	210	420	620
132M			178																				650
160M		254	210	108	±3.0	42		110		12	0 -0.043	37		160		15		ϕ1.5 Ⓜ	324	314		475	780
160L			254																				820
180M		279	241	121		48				14		42.5		180					349	358		515	800
180L			279																				820
200L	2~12	318	305	133		55	+0.030 +0.011			16		49		200		19	+0.52 0		390	397	256	598	890
225S	4~16	356	286	149	±4.0	60		140	±0.5	18		53		225					431	452		648	950
225M	2		311			55		110	±0.3	16		49											945
	4~16					60		140	±0.5	18		53											975
250M	2	406	349	168										250		24		ϕ2.0 Ⓜ	486	492	275	740	1030
	4~16					65						58											
280S	2	457	368	190										280	0 -1.0				542	544		810	1100
	4~16					75				20	0 -0.052	67.5											
280M	2		419			65				18	0 -0.043	58											1130
	4~16					75				20	0 -0.052	67.5											
315S	2	508	406	216		65				18	0 -0.043	58		315		28			630	625	370	940	1280
	4~20					80		170		22	0 -0.052	71											1360
315M	2		457			65		140		18	0 -0.043	58											1390
	4~20					80		170		22	0 -0.052	71											1470
315L	2		508			65		140		18	0 -0.043	58											1390
	4~20					80		170		22	0 -0.052	71											1470
355S	2	610	500	254		75		140		20		67.5		355					740	705		1020	1510
	4~20					95	+0.035 +0.013	170		25		86											1550
355M	2		560			75	+0.030 +0.011	140		20		67.5											1510
	4~20					95	+0.035 +0.013	170		25		86											1550
355L	2		630			75	+0.030 +0.011	140		20		67.5											1620
	4~20					95	+0.035 +0.013	170		25		86											1660

a) G=D-GE. GE's limit deviation is ($^{+0.10}_{0}$) for frame size 80 and below, and the rest are ($^{+0.20}_{0}$).
b) K hole position tolerance is based on the axis of shaft extension.
c) The external dimensions are reference dimensions.

Motor with base feet and flanges (with through holes) on the end cover

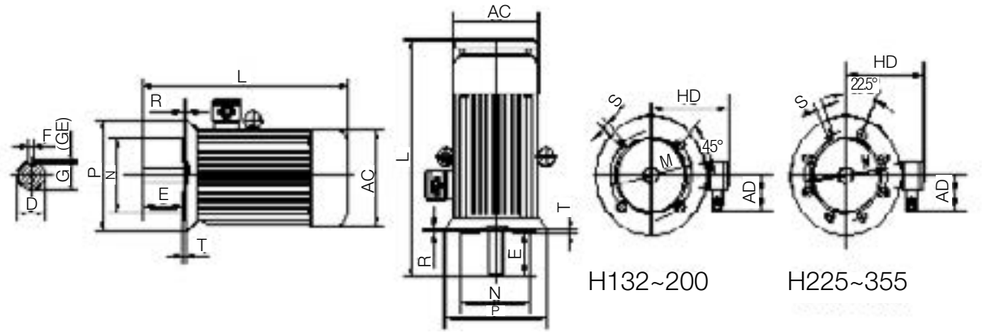
H132~200

H225~355

Frame	Flange	Poles	Installation size and tolerance (unit: mm)																													Dimensions^{c} (unit： mm)				
			A	B	C		D		E		F		G^{a}		H		K^{b}			M	N		P^{c}	R^{d}		S^{b}			T		Number of flange holes	AB	AC	AD	HD	L
					Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference		Basic size	Limit deviation		Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference	Basic size	Limit deviation						
132S	FF265	2、4、6、8	216	140	89	±2.0	38	+0.018 +0.002	80	±0.3	10	0 -0.036	33	0 -0.2	132	0 -0.5	12	+0.43 0	ϕ1.0 Ⓜ	265	230	+0.016 -0.013	300	0	±2.0	15	+0.43 0	ϕ1.5 Ⓜ	4	0 -0.12	4	264	256	210	420	620
132M																																				650
160M	FF300		254	210	108	±3.0	42		110		12	0 -0.043	37		160		15		ϕ1.5 Ⓜ	300	250		350		±3.0	19	+0.52 0		5			324	314		475	780
160L				254																																820
180M			279	241	121		48				14		42.5		180																	349	358		515	800
180L				279																																820
200L	FF350	2~12	318	305	133		55	+0.030 +0.011			16		49		200		19	+0.52 0		350	300	±0.016	400									390	397	256	598	890
225S	FF400	4~16	356	286	149	+0.20 0	60		140	±0.5	18		53		225					400	350	±0.018	450		±4.0						8	431	452		648	950
225M		2		311			55		110	±0.3	16		49																							945
		4~16					60		140	±0.5	18		53																							975
250M	FF500	2	406	349	168										250		24		ϕ2.0 Ⓜ	500	450	±0.020	550									486	492	275	740	1030
		4~16					65						58																							
280S		2	457	368	190										280	0 -1.0																542	544		810	1100
		4~16					75				20	0 -0.052	67.5																							
280M		2		419			65				18	0 -0.043	58																							1130
		4~16					75				20	0 -0.052	67.5																							
315S	FF600	2	508	406	216	±4.0	65				18	0 -0.043	58		315		28			600	550	±0.022	660			24		ϕ2.0 Ⓜ	6	0 -0.15		630	625	370	940	1280
		4~20					80		170		22	0 -0.052	71																							1360
315M		2		457			65		140		18	0 -0.043	58																							1390
		4~20					80		170		22	0 -0.052	71																							1470
315L		2		508			65		140		18	0 -0.043	58																							1390
		4~20					80		170		22	0 -0.052	71																							1470
355S	FF740	2	610	500	254		75		140		20		67.5		355					740	680	±0.025	800									740	705		1020	1510
		4~20					95	+0.035 +0.013	170		25		86																							1550
355M		2		560			75	+0.030 +0.011	140		20		67.5																							1510
		4~20					95	+0.035 +0.013	170		25		86																							1550
355L		2		630			75	+0.030 +0.011	140		20		67.5																							1620
		4~20					95	+0.035 +0.013	170		25		86																							1660

a) G=D-GE. GE's limit deviation is ($^{+0.10}_{0}$) for frame size 80, and the rest are ($^{+0.20}_{0}$).
b) The position tolerance of the K and S holes is based on the axis of the shaft extension.
c) P size is the maximum limit.
d) R is the distance from the flange mating surface to the shaft extension shoulder.
e) External dimensions are reference dimensions.

Motor with horizontal or vertical installation, base without feet, flange (with through hole) on the end cover

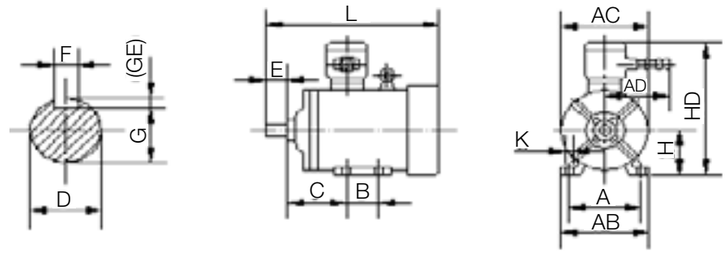


Frame	Flange	Poles	Installation size and tolerance (unit: mm)																				Number of flange holes	Dimensions[e] (unit: mm)				
			D		E		F		G[a]		M	N		P	R[c]		S[d]			T				AC	AD	HD	L	
			Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation		Basic size	Limit deviation		Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference	Basic size	Limit deviation						Horizontal	Vertical
132S	FF265	2、4、6、8	38	+0.018 +0.002	80	±0.3	10	0 -0.036	33		265	230	+0.016 -0.013	300		±2.0	15	+0.43 0	Φ1.5 Ⓜ	4	0 -0.120	4	256	210	288	620	655
132M																										650	685
160M	FF300		42		110		12	0 -0.043	37		300	250		350		±3.0	19	5				4	314		315	780	830
160L																										820	870
180M			48				14		42.5														358		335	800	850
180L																										820	870
200L	FF350	2~12	55				16		49		350	300	±0.016	400									397		398	890	940
225S	FF400	4~16	60		140	±0.5	18		53		400	350	±0.018	450									452	256	423	950	1010
225M		2	55		110	±0.3	16		49																	945	1005
		4~16	60				18		53																	975	1035
250M	FF500	2	65		140	±0.5			58		500	450	±0.020	550	0	±4.0							492	275	490	1030	1100
		4~16	75	+0.030 +0.011			20	0 -0.052	67.5	0 -0.20							+0.52 0	Φ2.0 Ⓜ	6	0 -0.15	8	544		530	1100	1170
280S		2	65				18	0 -0.043	58																	1130	1200
		4~16	75				20	0 -0.052	67.5																		
315S	FF600	2	65		170		18	0 -0.043	58		600	550	±0.022	660			24						625	370	625	—	1360
		4~20	80				22	0 -0.052	71																		1430
315M		2	65		140		18	0 -0.043	58																		1470
		4~20	80		170		22	0 -0.052	71																		1550
315L		2	65		140		18	0 -0.043	58																		1470
		4~20	80		170		22		71																		1550
355S	FF740	2	75		140		20		67.5																		1590
		4~20	95	+0.035 +0.013	170		25		86																		1650
355M		2	75	+0.030 +0.011	140		20	0 -0.052	67.5		740	680	±0.025	800									705		705		1590
		4~20	95	+0.035 +0.013	170		25		86																		1650
355L		2	75	+0.030 +0.011	140		20		67.5																		1700
		4~20	95	+0.035 +0.013	170		25		86																		1760

a) G=D-GE. GE's limit deviation is ($^{+0.10}_{0}$) for frame size 80, and the rest are ($^{+0.20}_{0}$).
b) The position tolerance of the K and S holes is based on the axis of the shaft extension.
c) P size is the maximum limit.
d) R is the distance from the flange mating surface to the shaft extension shoulder.
e) External dimensions are reference dimensions.

7.3 W21LXD

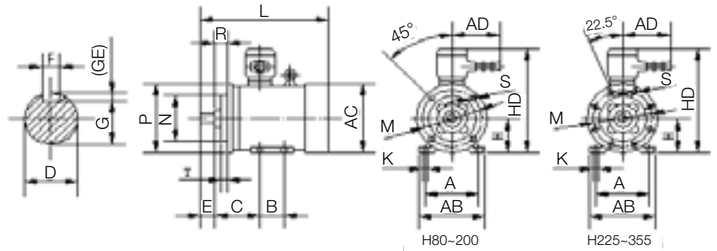
Motor with base with feet and no flange on the end cover



Frame	Poles	Installation size and tolerance (unit: mm)																				Dimensions[c] (unit: mm)				
		A	B	C		D		E		F		G[a]		H		K[b]			AB	AC	AD	HD	L
				Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference					
80M	2、4、6、8	125	100	50	±1.5	19	+0.009 -0.004	40	±0.3	6	0 -0.030	15.5	0 -0.10	80	0 -0.5	10	+0.36 0	Φ1.0 Ⓜ	165	165	180	320	330
90S		140	125	56		24		50		8	0 -0.036	20		90					180	180		350	360
90L																							385
100L		160	140	63	±2.0	28		60				24		100		12	+0.43 0		200	205	200	400	440
112M		190		70										112					245	230		420	460
132S		216		89		38	+0.018 -0.002	80		10		33		132					280	270		450	510
132M			178																				550
160M		254	210	108	±3.0	42		110		12	0 -0.043	37		160		14.5			330	325	220	520	670
160L			254																				710
180M		279	241	121		48				14		42.5		180					355	360		550	730
180L			279																				750
200L		318	305	133		55				16		49		200					390	400		645	805
225S	4、8	356	286	149		60		140	±0.5	18		53		225		18.5			435	450	250	690	865
225M	2		311			55		110	±0.3	16		49											860
	4、6、8					60				18		53											890
250M	2	406	349	168		65		140				58		250		24			490	500	300	730	945
	4、6、8					75				20	0 -0.052	67.5		280					545	560		810	1010
280S	2	457	368	190		65				18	0 -0.043	58											1060
280M	4、6、8		419			75	+0.030 +0.011			20	0 -0.052	67.5	0 -0.2										1320
315S	2	508	406	216	±4.0	65		170	±0.5	18	0 -0.043	58		315	0 -1.0	28	+0.52 0	Φ2.0 Ⓜ	640	630	400	1020	1350
	4、6、8、10					80				22	0 -0.052	71											1380
315M	2		457			65		140		18	0 -0.043	58											1490
	4、6、8、10					80		170		22	0 -0.052	71											1520
315L	2		508			65		140		18	0 -0.043	58											1570
	4、6、8、10					80		170		22		71											1650
355S	2	610	500	254		75		140		20	0 -0.052	67.5		355					740	750	500	1080	1650
	4、6、8、10					95	+0.035 +0.013	170		25		86											1750
355M	2		560			75	+0.030 +0.011	140		20		67.5											
	4、6、8、10					95	+0.035 +0.013	170		25		86											
355L	2		630			75	+0.030 +0.011	140		20		67.5											
	4、6、8、10					95	+0.035 +0.013	170		25		86											

a) G=D-GE. GE's limit deviation is ($^{+0.10}_{0}$) for frame size 80 and below, and the rest are ($^{+0.20}_{0}$).
b) K hole position tolerance is based on the axis of shaft extension.
c) The external dimensions are reference dimensions.

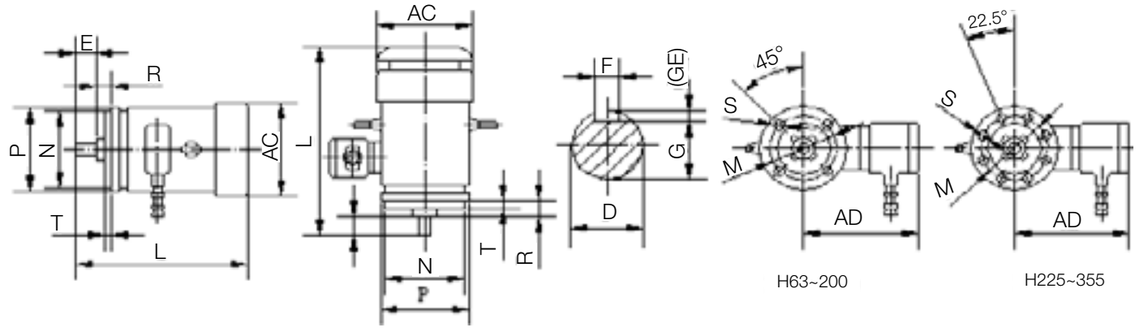
Motor with base feet and flanges (with through holes) on the end cover



Frame	Flange	Poles	A	B	C		D		E		F		G[a]		H		K[b]		M	N		P[c]	R[d]		S[d]			T		Number of flange holes	Dimensions[e] (unit: mm)			
					Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Position degree Public difference	Basic size	Basic size	Limit deviation	Basic size	Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference	Basic size	Limit deviation		AC	AD	Horizontal	Vertical
80M	FF165	2、4、6、8	125	100	50	±1.5	19	+0.009 -0.004	40	±0.3	6	0 -0.030	15.5	0 -0.10	80	0 -0.5	10	Ⓜ ϕ1.0	165	130	+0.014 -0.011	200	0	±1.5	12	+0.43 0	ϕ1.0 Ⓜ	3.5	0 -0.12	4	165	240	330	375
90S			140	56	63	±2.0	24		50		8	0 -0.036	20		90		12														180	260	360	405
90L			160	125			28		60				24		100																	385	430
100L	FF215		190	140	70		38	+0.018 +0.002	80		10		33		112				215	180		250		±2.0	14.5			4			205	300	440	485
112M			216	178	89		42		110		12		37		132																230	310	460	520
132S	FF265		254	210	108	±3.0	48		55		16		49		160		15		265	230		300									270	320	510	590
132M			279	254	121		60		55	±0.5	18	0 -0.043	53		180	0 -0.5																550	630
160M	FF300		318	241	133		55		110	±0.3	16		49		200				300	250	+0.016 -0.013	350		±3.0	18.5		ϕ1.5 Ⓜ	5			325	360	670	730
160L			305	286			65		140		20	0 -0.052	67.5		225		19		350	300	±0.016	400											710	770
180M			286				60		55		18	0 -0.043	58		200				400	350		450									360	370	730	800
180L			311				65		140		18		58		250				500	450	±0.018	550									400	445	750	820
200L	FF350		356				75		140		20	0 -0.052	67.5		280		24		600	550	±0.022	660									450	465	805	875
225S		4、8	368				60		140	±0.5	18	0 -0.043	58		280				740	680	±0.025	800									500	500	865	935
225M	FF400	2	406				55		110	±0.3	16		49		250																560	550	860	930
		4、6、8					60		140		18		53		280																		890	960
250M	FF500	2	457				65		140		18		58		280																630	705	945	1035
		4、6、8					75		140		20	0 -0.052	67.5		280																		1010	1100
280S		2	419				65		140		18	0 -0.043	58		280																750	725	1060	1150
280M		4、6、8					75		140		20	0 -0.052	67.5		280																		1340	1600
315S	FF600	2	406				65		140		18	0 -0.043	58		315																		1370	
		4、6、8、10					80		170		22	0 -0.052	71		315																		1420	
315M		2	508				65		140		18	0 -0.043	58		315																		1450	
		4、6、8、10	457				80		170		22	0 -0.052	71		315																		1510	
315L		2	508				65		140		18	0 -0.043	58		315																		1540	
		4、6、8、10					80		170		22	0 -0.052	71		315																		1600	
355S	FF740	2	500				75	+0.030 +0.011	140		20	0 -0.052	67.5	0 -0.20	355	0 -1.0	28	+0.52 0 Ⓜ ϕ2.0	740	680	±0.025	800	0	±4.0	24	+0.52 0	ϕ2.0 Ⓜ	6	0 -0.120	8				1780
		4、6、8、10					95	+0.035 +0.013	170		25		86																					
355M		2	560				75	+0.030 +0.011	140		20		67.5																					
		4、6、8、10	610				95	+0.035 +0.013	170		25		86																					
355L		2	560				75	+0.030 +0.011	140		20		67.5																					
		4、6、8、10	630				95	+0.035 +0.013	170		25		86																					

a) G=D-GE. GE's limit deviation is $(^{+0.10}_{0})$ for frame size 80, and the rest are $(^{+0.20}_{0})$.
b) The position tolerance of the K and S holes is based on the axis of the shaft extension.
c) P size is the maximum limit.
d) R is the distance from the flange mating surface to the shaft extension shoulder.
e) External dimensions are reference dimensions.

Motor with horizontal or vertical installation, base without feet, flange (with through hole) on the end cover



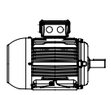
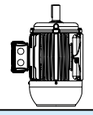
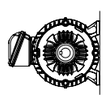
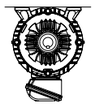
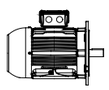
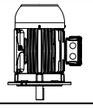
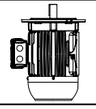
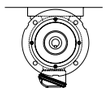
Frame	Flange	Poles	Installation size and tolerance (unit: mm)																												Dimensions[e] (unit: mm)			
			D		E		F		G[a]		M	N		P	R[c]		S[d]			T		Number of flange holes	AC	AD	L	
			Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation		Basic size	Limit deviation		Basic size	Limit deviation	Basic size	Limit deviation	Position degree Public difference	Basic size	Limit deviation				Horizontal	Vertical
80M	FF165	2、4、6、8	19	+0.009 -0.004	40	±0.3	6	0 -0.030	15.5	0 -0.10	165	130	+0.014 -0.011	200	0	±1.5	12	+0.43 0	ϕ1.0 Ⓜ	3.5	0 -0.12	4	165	240	330	375
90S			24		50		8	0 -0.036	20														180	260	360	405
90L																									385	430
100L	FF215		28		60				24		215	180		250		±2.0	14.5			4			205	300	440	485
112M																							230	310	460	520
132S	FF265		38	+0.018 +0.002	80		10		33		265	230		300									270	320	510	590
132M																									550	630
160M	FF300		42		110		12		37		300	250	+0.016 -0.013	350		±3.0	18.5		ϕ1.5 Ⓜ	5			325	360	670	730
160L																									710	770
180M			48				14		42.5														360	370	730	800
180L																									750	820
200L	FF350		55				16		49		350	300	±0.016	400									400	445	805	875
225S		4、8	60		140	±0.5	18		53														450	465	865	935
225M	FF400	2	55		110	±0.3	16		49		400	350	±0.018	450											860	930
		4、6、8	60		140		18		53																890	960
250M	FF500	2																					500	500	945	1035
		4、6、8	65						58																	
280S		2					18	0 -0.043	58		500	450	±0.020	550									560	550	1010	1100
		4、6、8	75				20	0 -0.052	67.5																	
280M		2	65				18	0 -0.043	58																1060	1150
		4、6、8	75				20	0 -0.052	67.5																	
315S	FF600	2	65				18	0 -0.043	58																1340	1600
		4、6、8、10	80		170		22	0 -0.052	71																1370	
315M		2	65		140		18	0 -0.043	58																1420	
		4、6、8、10	80		170	±0.5	22	0 -0.052	71		600	550	±0.022	660											1450	
315L		2	65		140		18	0 -0.043	58																1510	
		4、6、8、10	80		170		22		71																1540	
355S	FF740	2	75		140		20		67.5	0 -0.20					0		24	+0.52 0	ϕ2.0 Ⓜ	6	0 -0.120	8	630	705	1600	
		4、6、8、10	95	+0.035 +0.013	170		25	0 -0.052	86							±4.0										
355M		2	75	+0.030 +0.011	140		20		67.5														750	725	1780	
		4、6、8、10	95	+0.035 +0.013	170		25		86		740	680	±0.025	800												
355L		2	75	+0.030 +0.011	140		20		67.5																	
		4、6、8、10	95	+0.035 +0.013	170		25		86																	

a) G=D-GE. GE's limit deviation is $(^{+0.10}_{0})$ for frame size 80, and the rest are $(^{+0.20}_{0})$.
b) The position tolerance of the K and S holes is based on the axis of the shaft extension.
c) P size is the maximum limit.
d) R is the distance from the flange mating surface to the shaft extension shoulder.
e) External dimensions are reference dimensions.

8. Mounting Forms

The following table shows the standard installation and other forms of W21LX motor. The letters after the specified mounting form (shown in the table below) define the location of the terminal box. Therefore, it can be noted that there is no IM code for motor installation in WEG documents. For example, IM B3 is written as B3, as shown below:

B3L - terminal box on left hand side of the motor frame
B3T - terminal box on top of the motor frame
B3R - terminal box on right hand side of the motor frame

Basic mountings	Other type of mounting				
IM B3	IM V5	IM V6	IM B6	IM B7	IM B8
IM 1001	IM 1011	IM 1031	IM 1051	IM 1061	IM 1071
					
IM B35	IM V15	IM V36	- *)	- *)	- *)
IM 2001	IM 2011	IM 2031	IM 2051	IM 2061	IM 2071
					

Important:
1. *For motors mounted vertically shaft down fitting of a drip cover is recommended to prevent ingress of small objects into the fan cover. The increase in total length of the motor with drip cover is shown in the section 19.*
2. *For vertically shaft up mounted motors installed in environments containing liquids, the use of a rubber slinger is recommended to prevent the ingress of liquid into the motor through the shaft.*

SAFETY & RELIABILITY FOR YOUR APPLICATION

W21LX
EXPLOSION PROOF MOTORS

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