Industrial Motors
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Automation
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Energy
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W60 GP

THREE PHASE INDUCTION MOTOR

Technical Catalogue
China Market

Driving efficiency and sustainability

W60 GP - Three-Phase Induction Motor

The WEG W60 GP motor line is designed for industrial applications, focused on compressors, pumps and fans, ensuring high performance and reliability even under the most severe operating conditions.

Flexibility is the Key

The W60 GP is available on five different cooling configurations allowing it to be designed as open self ventilated (IC01, WP-I) , or enclosed, air-air cooled (IC611, TEAAC) or air-water cooled (IC81W, TEWAC), or forced air-air cooled (IC616), or forced airwater cooled (IC86W) motor.

Compact Design

With its compact design, lightweight components, reduced dimensions and footprint that saves valuable space on the skid or base where the motor is installed, the W60 GP is the most compact modular motor in the market.

Severe Duty is Standard for W60

A rugged motor, high quality end shields, robust frame design and a true stiff shaft (no critical frequencies below rated speed) on its standard design guarantees the lowest vibration and noise levels.

Outstanding in the Market

WEG engineers have developed a unique product that combines the latest technology of high quality rotor and stator lamination, low losses fans and optimized heat exchanger, increasing considerably the power density rate (output per weight). This combination makes the W60 GP your best choice for an energy efficient motor.

Reliability Where you Need It

Designed to operate continuously without interruption, the W60 GP was conceived with unique characteristics: easy to build, easy to assemble, easy to install.

Compatible with VFDs (Inverters)

The W60 GP can be easily used with any medium voltage drive with IC616 and IC86W cooling method in the market. The motor is designed to operate within 25Hz to 50Hz frequency range below the rated speed . If used in conjunction with WEG's medium voltage drive, the motor will have a better performance.

Product Scope

- Rated output: 560 up to 5,000 kW
- Number of poles: 4,6,8
- Frame sizes: IEC 450 up to 560
- Voltage: 6,000 up to 10,000 V
- Frequency: 50Hz
- Mounting: horizontal
- Protection Degree: IP23 and IP55
- Cooling method: IC01, IC611, IC81W (WP-I, TEAAC and TEWAC) , IC616 and IC86W
- Service factor: 1.00
- Duty: S1

Standard Features

- Staring method - DOL (Direct on Line) and VFD
- Class F insulation
- Rotation direction: Clockwise and Counter clockwise
- Grease-lubricated ball bearings
- Shaft grounding brush
- RTD Pt-100 temperature sensor, two per phase
- RTD Pt-100 temperature sensor, one per bearing
- Space heater
- Cast aluminum rotor
- Water leakage detectors(IC81W &IC86W)

Special Features

- Vibration level: B degree
- Current transformer

Versatility that allows different configurations

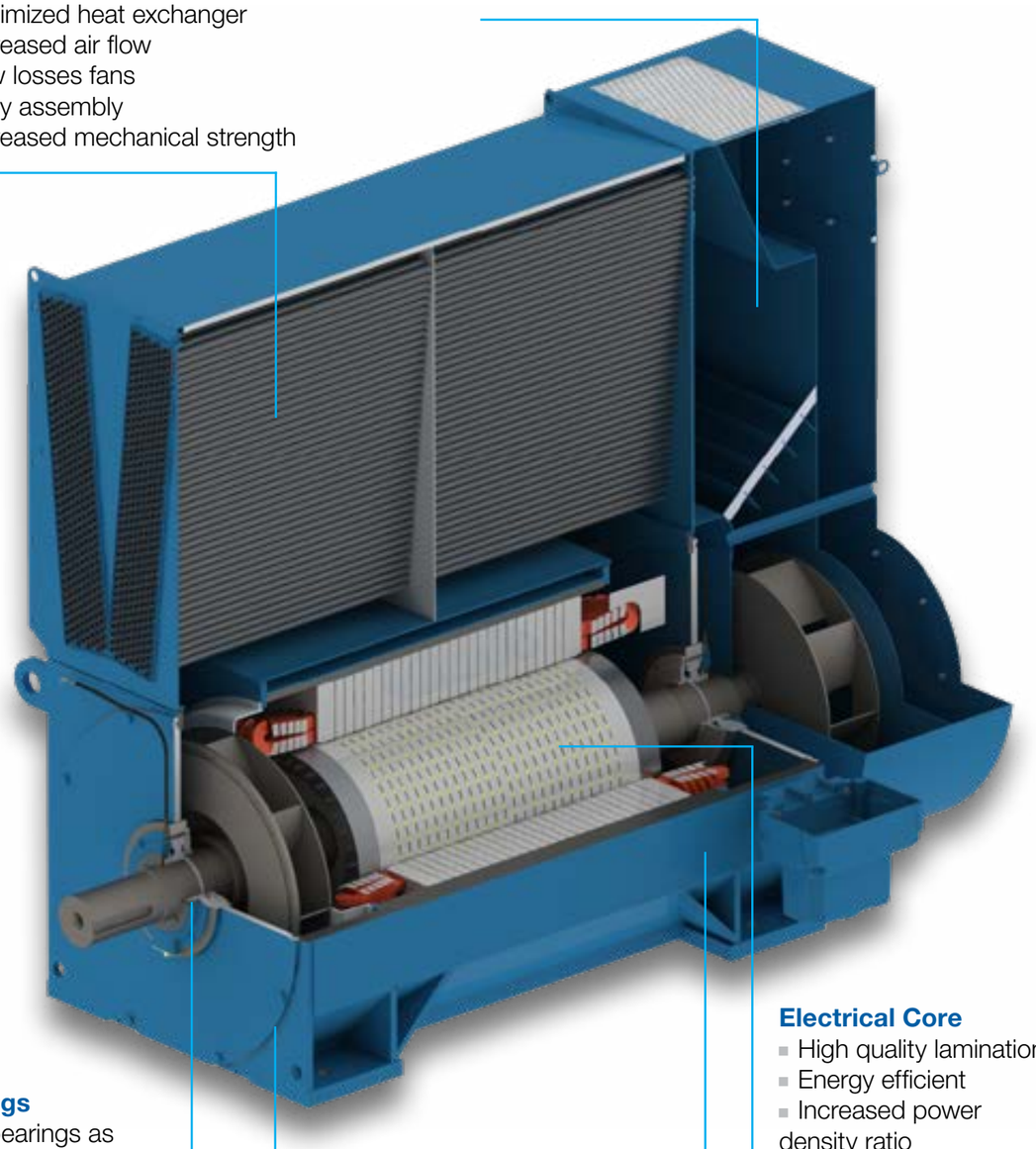
Durability, resistance and robustness

High cost-benefits

Components Design

Noise Suppressors
- Noise level reduction
- Simplified assembly
- Easy maintenance

Cooling System
- Optimized heat exchanger
- Increased air flow
- Low losses fans
- Easy assembly
- Increased mechanical strength



Bearings
- Ball bearings as standard

End Shields
- High quality steel plate

Frame
- Rugged design
- Compact and lighter
- Smallest footprint area

Electrical Core
- High quality lamination
- Energy efficient
- Increased power density ratio
- Die-cast aluminum rotor

Index

1. Construction Features

Frame			450C	500C	560C
Mechanical Features					
Mounting			B3R / B3L		
Frame	Material		Carbon Steel		
Degree of Protection	WPI		IP23		
	TEAAC/TEWAC/IC616/IC86W		IP55		
Grounding			Double grounding (1 terminal box + 1 frame)		
Cooling Method			WPI (IC01) / TEAAC (IC611) / TEWAC (IC81W) / IC616 / IC86W		
Internal Fan	Material		Carbon Steel		
External Fan			Carbon Steel		
Cooling box			Carbon Steel		
Endshields			Carbon Steel		
Drain plug			Stainless steel 304 threaded plug		
Antifriction Bearing	Shielded/clearance DE	4P - 8P	C3		
	Shielded/clearance NDE	4P - 8P	C3		
	Locating bearing		Fixed on DE with external and internal bearing cap and preload spring NDE		
	Drive end	4P - 8P	6324	6230	6236
	Non-drive end	4P - 8P	6324	6230	6236
Bearing seal			Labyrinth		
Lubrification	Type of grease	4P - 8P	Polyrex EM103		
	Grease fitting		With grease fitting		
Terminal Box	Material		Cast Iron (6kV) / Carbon Steel (10kV)		
Lead inlet	Main (medium voltage)	Size	1 x M63 x 1.5		
	Main (high voltage)				
	Additional		3 x M20 x 1.5		
	Plug		Plastic threaded plug		
Shaft	Material		AISI 4140		
	Threaded hole	4P - 8P	M24x3.0	M30x3.5	M36x4.0
Shaft Key			B key		
Vibration level			Grade A		
Balancing without/half/full key			With 1/2 key		
Nameplate	Material		Laser printed Stainless Steel AISI 304		
Painting	Type		214P		
	Color		RAL 5009		
Electrical Features					
Voltage	Single Speed		6000V up to 10000V		
Winding	Impregnation		VPI		
	Insulation Class		F (DT 80 K)		
Space Heater			200-240 V		
Service Factor			1.00		
Ambient Temperature	Maximum		+40 °C		
	Minimum		-20 °C		
Starting Method			DOL / VFD		
Rotor			Die cast Aluminum		
Winding thermal protection			PT100 - 3-wires (2 per phase)		
Bearing thermal protection			PT100 - 3-wires (1 per bearing)		

2. Electrical Data

W60 GP / IC81W / 50 Hz / 6000 V - IP55

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency 50%	Efficiency 75%	Efficiency 100%	Power Factor 50%	Power Factor 75%	Power Factor 100%	Full load current In (A)
4 Poles																	
1400	450C	8972	4.8	0.6	2.0	20.5	21	4122	85	1490	95.3	95.4	95.6	0.77	0.84	0.86	160
1600	450C	10268	5.3	0.7	2.3	22.5	21	4235	85	1488	95.7	95.8	96.0	0.8	0.86	0.87	180.9
1800	450C	11544	5.7	0.8	2.5	26.5	17	4348	85	1489	95.9	96.0	96.2	0.75	0.83	0.85	208.1
2000	450C	12844	5.1	0.7	2.2	28.5	17	4461	85	1487	96.2	96.3	96.5	0.77	0.84	0.86	228.5
2250	500C	14430	5.7	0.7	2.4	42.8	16	5573	86	1489	95.9	96.3	96.5	0.82	0.88	0.88	251.8
2500	500C	16044	5.1	0.7	2.2	45.6	16	5687	86	1488	96.2	96.3	96.5	0.84	0.88	0.89	276.7
2800	500C	17993	5.2	0.6	1.9	48.4	16	5800	86	1486	96.4	96.3	96.5	0.86	0.89	0.89	309.9
3150	560C	20215	5.4	0.7	2.3	70.5	16	7791	87	1488	95.9	96.4	96.6	0.83	0.88	0.89	352.2
3550	560C	22752	5.8	0.7	2.2	74	12	7904	87	1490	96.0	96.5	96.7	0.77	0.85	0.88	401
4000	560C	25670	5.7	0.7	2.5	77.5	12	8017	87	1488	96.3	96.6	96.8	0.8	0.86	0.88	451.4
4250	560C	27275	5.4	0.7	2.3	81	12	8130	87	1488	96.4	96.6	96.8	0.81	0.87	0.88	479.6
4500	560C	28898	5.1	0.7	2.2	84.5	12	8244	87	1487	96.5	96.5	96.7	0.82	0.87	0.89	502.6
5000	560C	32153	5.0	0.6	2.0	88	12	8357	87	1485	96.7	96.5	96.7	0.84	0.88	0.89	558.5
6 Poles																	
1000	450C	9626	5.3	0.7	2.2	24.8	24	4159	82	992	95.6	95.7	95.9	0.71	0.8	0.83	118.8
1120	450C	10792	4.8	0.6	2.1	26.3	24	4272	82	991	95.5	95.6	95.8	0.74	0.82	0.84	131.7
1250	450C	12045	5.1	0.7	2.3	27.8	20	4385	82	991	95.6	95.7	95.9	0.69	0.78	0.81	152.2
1400	450C	13504	4.8	0.6	2.0	29.3	20	4498	82	990	95.5	95.6	95.8	0.72	0.8	0.83	166.5
1600	500C	15418	5.1	0.7	2.2	40	24	5301	83	991	95.9	96.0	96.2	0.77	0.84	0.84	183
1800	500C	17327	5.5	0.8	2.1	42.5	18	5414	83	992	96.1	96.2	96.4	0.7	0.79	0.82	215.6
2000	500C	19272	5.1	0.8	2.2	45	18	5527	83	991	96.2	96.3	96.5	0.72	0.81	0.83	236.9
2250	500C	21703	4.8	0.7	1.9	47.5	18	5641	83	990	96.2	96.3	96.5	0.75	0.83	0.84	263.7
2500	560C	24042	6.1	0.8	2.5	82.4	16	8180	84	993	96.7	96.6	96.8	0.69	0.79	0.83	294.9
2800	560C	26954	5.5	0.8	2.4	85.8	16	8294	84	992	96.5	96.6	96.8	0.72	0.81	0.84	326.4
3150	560C	30353	4.9	0.7	2.2	89.2	16	8407	84	991	96.5	96.6	96.8	0.75	0.83	0.84	363.4
3550	560C	34242	4.6	0.6	1.9	92.6	16	8520	84	990	96.4	96.5	96.7	0.78	0.84	0.84	405.2
8 Poles																	
700	450C	9009	4.9	0.8	2.1	37.6	31	4025	78	742	94.7	94.8	95.0	0.72	0.8	0.8	84.6
800	450C	10282	5.1	0.8	2.2	39.8	22	4138	78	743	94.8	94.9	95.1	0.64	0.75	0.8	100.2
900	450C	11583	5.1	0.8	2.3	41.9	22	4251	78	742	94.8	94.9	95.1	0.67	0.77	0.81	111.5
1000	500C	12835	5.4	0.8	2.2	62.5	33	5432	79	744	95.0	95.1	95.3	0.72	0.8	0.82	120.3
1120	500C	14375	5.9	0.9	2.5	65.6	26	5545	79	744	95.5	95.6	95.8	0.68	0.78	0.82	136.2
1250	500C	16065	5.3	0.8	2.2	69.2	26	5658	79	743	95.6	95.7	95.9	0.71	0.8	0.82	150.3
1400	500C	18018	4.8	0.8	2.0	72.8	26	5771	79	742	95.6	95.7	95.9	0.74	0.81	0.83	166.5
1600	560C	20536	5.8	0.8	2.5	146.1	26	7868	81	744	95.9	95.8	96.0	0.69	0.78	0.81	194.6
1800	560C	23103	5.2	0.7	2.4	151.1	26	7982	81	744	95.7	95.8	96.0	0.72	0.8	0.83	213.7
2000	560C	25705	5.0	0.7	2.1	156.1	26	8095	81	743	95.7	95.8	96.0	0.75	0.82	0.83	237.4
2250	560C	28879	5.6	0.8	2.5	161.1	18	8208	81	744	96.2	96.0	96.2	0.68	0.77	0.81	273
2500	560C	32131	5.1	0.8	2.4	166.1	18	8321	81	743	95.9	96.0	96.2	0.71	0.79	0.82	299.7

2. Electrical Data

W60 GP / IC81W / 50 Hz / 10000 V - IP55

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency			Power Factor			Full load current In (A)
											50%	75%	100%	50%	75%	100%	
4 Poles																	
1120	450C	7173	5.7	0.7	2.2	22.0	19	4025	85	1491	95.1	95.2	95.4	0.80	0.86	0.88	75.3
1250	450C	8011	5.9	0.8	2.5	29.0	19	4138	85	1490	95.3	95.4	95.6	0.82	0.87	0.88	84.0
1400	450C	8966	6.3	0.8	2.5	31.0	15	4251	85	1491	95.5	95.6	95.8	0.77	0.84	0.86	96.2
1600	450C	10254	6.5	0.8	2.5	20.5	12	4365	85	1490	95.5	95.6	95.8	0.72	0.81	0.84	112.5
1800	500C	11528	6.7	0.9	2.8	46.5	18	5340	86	1491	95.2	95.8	96.0	0.80	0.86	0.88	121.1
2000	500C	12818	6.1	0.8	2.6	49.3	18	5453	86	1490	95.5	95.8	96.0	0.82	0.88	0.89	133.1
2250	500C	14430	5.4	0.7	2.3	52.1	18	5566	86	1489	95.9	95.9	96.1	0.84	0.89	0.89	149.6
2500	500C	16044	5.4	0.7	2.3	40.0	15	5679	86	1488	96.0	96.0	96.2	0.82	0.87	0.88	168.1
2800	560C	17933	5.9	0.8	2.5	72.7	13	7324	87	1491	95.3	96.1	96.3	0.75	0.83	0.88	192.6
3000	560C	19214	6.8	0.9	3.0	76.2	13	7437	87	1491	95.5	96.1	96.3	0.77	0.84	0.88	203.8
3150	560C	20188	5.7	0.7	2.2	79.7	13	7550	87	1490	95.6	96.1	96.3	0.78	0.85	0.88	213.9
3550	560C	22767	5.8	0.7	2.5	83.2	13	7663	87	1489	95.9	96.1	96.3	0.81	0.86	0.89	238.4
4000	560C	25653	5.2	0.6	2.2	86.7	11	7776	87	1489	96.1	96.3	96.5	0.77	0.84	0.87	274.2
4250	560C	27256	5.5	0.6	2.1	90.2	11	7890	87	1489	96.2	96.3	96.5	0.78	0.85	0.88	288.1
4500	560C	28918	5.0	0.6	2.2	84.4	11	8003	87	1486	96.4	96.4	96.6	0.82	0.87	0.88	305.3
6 Poles																	
800	450C	7693	6.1	0.8	2.7	27.6	25	4067	82	993	95.4	95.5	95.7	0.70	0.79	0.82	57.2
900	450C	8664	5.6	0.7	2.4	29.1	25	4180	82	992	95.3	95.4	95.6	0.73	0.81	0.83	63.7
1000	450C	9636	5.1	0.7	2.1	21.8	25	4293	82	991	95.3	95.4	95.6	0.75	0.83	0.83	70.8
1120	450C	10792	5.0	0.6	2.0	23.3	22	4406	82	991	95.2	95.3	95.5	0.75	0.82	0.83	79.3
1250	500C	12009	5.8	0.8	2.5	46.9	22	5177	83	994	95.8	96.0	96.2	0.65	0.76	0.81	91.1
1400	500C	13463	6.0	0.8	2.4	49.4	22	5290	83	993	96.1	96.0	96.2	0.69	0.79	0.82	99.6
1600	500C	15402	5.8	0.8	2.5	51.9	22	5403	83	992	95.9	96.0	96.2	0.72	0.81	0.83	112.5
1800	500C	17345	5.2	0.7	2.2	37.5	16	5516	83	991	95.7	95.8	96.0	0.73	0.81	0.83	126.8
2000	560C	19214	6.0	0.8	2.6	85.6	17	8010	84	994	96.2	96.3	96.5	0.65	0.76	0.80	145.3
2250	560C	21616	6.4	0.8	2.6	89.0	17	8123	84	994	96.5	96.3	96.5	0.68	0.79	0.82	159.6
2500	560C	24042	6.5	0.8	2.6	92.3	17	8237	84	993	96.2	96.3	96.5	0.72	0.81	0.83	175.2
2800	560C	26954	5.3	0.7	2.3	95.7	17	8350	84	992	96.2	96.3	96.5	0.74	0.83	0.84	194.0
3150	560C	30353	5.1	0.6	2.1	92.6	17	8463	84	991	96.0	96.1	96.3	0.76	0.84	0.84	218.7
3550	560C	34277	5.5	0.7	2.0	97.0	13	8576	84	989	95.8	95.9	96.1	0.73	0.81	0.82	252.6
8 Poles																	
630	450C	8086	5.9	0.9	2.6	43.8	17	3924	78	744	94.9	94.7	94.9	0.67	0.77	0.81	47.1
710	450C	9125	5.3	0.8	2.3	45.9	17	4027	78	743	94.5	94.6	94.8	0.70	0.79	0.83	51.8
800	450C	10282	5.3	0.9	2.3	35.6	13	4140	78	743	94.4	94.5	94.7	0.67	0.77	0.82	59.2
900	500C	11536	6.2	0.8	2.2	75.5	22	5326	79	745	95.4	95.3	95.5	0.65	0.76	0.81	66.7
1000	500C	12835	6.5	1.0	2.6	79.1	22	5440	79	744	95.2	95.3	95.5	0.68	0.78	0.82	73.2
1120	500C	14375	5.6	0.9	2.3	82.7	22	5553	79	744	95.2	95.3	95.5	0.71	0.80	0.83	81.0
1250	500C	16065	5.5	0.9	2.3	86.3	18	5666	79	743	95.1	95.2	95.4	0.70	0.79	0.83	90.5
1400	560C	17945	6.3	0.9	2.7	157.1	25	7632	81	745	95.7	95.5	95.7	0.63	0.74	0.80	104.7
1600	560C	20481	6.5	0.9	2.8	161.1	20	7745	81	746	95.7	95.6	95.8	0.59	0.72	0.78	122.6
1800	560C	23072	5.9	0.8	2.4	167.1	20	7858	81	745	95.5	95.6	95.8	0.63	0.74	0.80	134.5
2000	560C	25670	6.1	0.9	2.8	171.1	20	7971	81	744	95.5	95.6	95.8	0.66	0.77	0.81	147.6
2250	560C	28879	5.5	0.8	2.5	177.2	20	8085	81	744	95.5	95.6	95.8	0.70	0.79	0.83	162.0
2500	560C	32131	4.8	0.8	2.2	166.7	16	8198	81	743	95.4	95.5	95.7	0.69	0.78	0.82	182.4

2. Electrical Data

W60 GP / IC611 / 50 Hz / 6000 V - IP55

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency			Power Factor			Full load current In (A)
											50%	75%	100%	50%	75%	100%	
4 Poles																	
1250	450C	8011	5.2	0.7	2.2	22	23	4657	86	1490	95.0	95.5	95.7	0.73	0.82	0.85	145.4
1400	450C	8979	5.2	0.7	2.2	24	23	4771	86	1489	95.3	95.6	95.8	0.76	0.84	0.85	162.7
1600	450C	10254	5.4	0.8	2.2	26	18	4884	86	1490	95.5	95.6	95.8	0.7	0.79	0.85	190.1
1800	450C	11552	5.4	0.8	2.4	22	18	4997	86	1488	95.8	95.8	96.0	0.73	0.81	0.85	211.2
2000	500C	12809	5.3	0.7	2.2	41.8	16	6418	87	1491	94.6	95.5	95.7	0.79	0.86	0.87	225
2250	500C	14420	5.8	0.7	2.5	44.6	16	6531	87	1490	95.0	95.6	95.8	0.82	0.87	0.87	252.9
2500	500C	16044	5.2	0.7	2.2	47.4	16	6644	87	1488	95.4	95.4	95.6	0.83	0.88	0.88	277.6
2650	500C	17006	5.2	0.6	2.1	50.2	16	6758	87	1488	95.5	95.4	95.6	0.84	0.88	0.88	294.2
2800	560C	17945	5.9	0.7	2.7	75.4	11	9132	88	1490	95.1	95.5	95.7	0.79	0.86	0.88	317.6
3150	560C	20215	5.3	0.7	2.4	78.9	11	9245	88	1488	95.5	95.6	95.8	0.82	0.87	0.89	352.9
3550	560C	22752	6.0	0.8	2.8	82.4	8	9359	88	1490	95.6	95.8	96.0	0.77	0.84	0.87	406
4000	560C	25670	5.3	0.7	2.4	85.9	8	9472	88	1488	96.0	95.8	96.0	0.8	0.86	0.88	452.3
4500	560C	28898	4.8	0.6	2.2	89.4	8	9585	88	1487	96.2	96.4	96.6	0.82	0.87	0.88	508.3
6 Poles																	
800	450C	7693	5.7	0.8	2.5	26.3	29	4681	83	993	95.0	95.5	95.7	0.72	0.81	0.84	95.6
1000	450C	9626	5.4	0.8	2.4	27.8	23	4907	83	992	95.5	95.6	95.8	0.7	0.8	0.83	120.6
1120	450C	10792	4.9	0.7	2.1	29.3	23	5020	83	991	95.7	95.8	96.0	0.73	0.81	0.84	133.6
1250	500C	12033	5.2	0.8	2.2	40	24	6158	84	992	95.3	95.9	96.1	0.75	0.83	0.85	145.5
1400	500C	13490	5.5	0.9	2.3	42.5	24	6271	84	991	95.6	95.9	96.1	0.78	0.84	0.85	161.1
1600	500C	15433	4.9	0.8	2.0	45	24	6384	84	990	95.9	95.9	96.1	0.8	0.85	0.85	182.1
1800	500C	17380	4.5	0.7	1.8	47.5	24	6497	84	989	95.7	95.8	96.0	0.82	0.85	0.86	205
2000	560C	19233	5.2	0.8	2.2	70	22	8816	85	993	95.6	96.2	96.4	0.7	0.8	0.84	237.2
2250	560C	21637	5.7	0.8	2.3	73.3	22	8929	85	993	96.0	96.2	96.4	0.73	0.81	0.85	263.7
2500	560C	24066	5.6	0.9	2.3	76.6	19	9042	85	992	96.1	96.4	96.6	0.71	0.8	0.84	296.5
2800	560C	26981	5.6	0.8	2.2	80	19	9156	85	991	96.3	96.4	96.6	0.74	0.82	0.85	328.1
3150	560C	30384	4.8	0.7	1.9	83.4	19	9269	85	990	96.5	96.3	96.5	0.77	0.83	0.85	369.5
8 Poles																	
710	450C	9125	5.1	0.8	2.2	37.3	30	4553	79	743	94.7	94.8	95.0	0.69	0.78	0.82	87.2
800	450C	10296	4.8	0.7	2.0	39.4	30	4667	79	742	95.0	94.8	95.0	0.72	0.8	0.83	97.2
900	500C	11536	5.0	0.8	2.2	55.1	29	5796	80	745	94.8	95.0	95.2	0.63	0.74	0.82	114.3
1000	500C	12835	5.5	0.8	2.5	58.7	29	5909	80	744	95.2	95.2	95.4	0.66	0.76	0.81	123.7
1120	500C	14375	5.0	0.7	2.2	62.3	29	6022	80	744	95.1	95.2	95.4	0.69	0.78	0.82	136.9
1250	500C	16065	4.8	0.6	2.0	65.9	29	6135	80	743	95.0	95.1	95.3	0.72	0.8	0.83	151.1
1400	560C	17969	5.6	0.8	2.5	135.3	26	8711	82	744	94.8	95.2	95.4	0.71	0.8	0.83	169.1
1600	560C	20536	6.0	0.9	2.5	139.3	19	8824	82	744	94.9	95.4	95.6	0.66	0.76	0.81	197.8
1800	560C	23103	5.7	0.9	2.6	144.3	19	8937	82	744	95.3	95.6	95.8	0.69	0.78	0.82	219.6
2250	560C	28957	5.2	0.7	2.1	149.3	19	9050	82	742	95.8	95.6	95.8	0.75	0.81	0.84	267.9

2. Electrical Data

W60 GP / IC611 / 50 Hz / 10000 V - IP55

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency			Power Factor			Full load current In (A)
											50%	75%	100%	50%	75%	100%	
4 Poles																	
1000	450C	6405	5.5	0.7	2.2	24	28	4453	86	1491	94.3	94.9	95.1	0.78	0.85	0.88	68.6
1120	450C	7178	5.9	0.8	2.5	26	28	4567	86	1490	94.7	95.0	95.2	0.81	0.87	0.89	75.8
1250	450C	8022	5.3	0.7	2.2	28	28	4680	86	1488	95.1	95.2	95.4	0.83	0.88	0.89	84.6
1400	450C	8991	5.5	0.7	2.1	26.9	25	4793	86	1487	95.4	95.2	95.4	0.82	0.87	0.89	94.7
1600	500C	10241	5.9	0.7	2.3	40	18	6165	87	1492	93.5	94.8	95.0	0.77	0.85	0.88	109.9
1800	500C	11528	5.8	0.7	2.5	42.1	18	6278	87	1491	94.0	95.0	95.2	0.8	0.86	0.89	122
2000	500C	12818	5.2	0.6	2.0	44.9	18	6391	87	1490	94.5	95.1	95.3	0.82	0.87	0.89	135.4
2250	500C	14439	5.2	0.7	2.2	47.7	18	6505	87	1488	94.9	95.2	95.4	0.84	0.88	0.9	150.5
2500	560C	16012	5.5	0.6	2.5	71.8	11	8656	88	1491	94.6	95.3	95.5	0.77	0.84	0.88	170.7
2650	560C	16972	5.7	0.6	2.5	75.3	11	8769	88	1491	94.8	95.4	95.6	0.78	0.85	0.88	180.7
2800	560C	17933	6.0	0.7	2.6	78.8	9	8882	88	1491	94.8	95.5	95.7	0.74	0.82	0.86	195.2
3150	560C	20188	5.8	0.7	2.5	82.3	9	8995	88	1490	95.2	95.6	95.8	0.77	0.84	0.87	216.8
3550	560C	22767	5.6	0.7	2.5	85.8	9	9109	88	1489	95.6	95.6	95.8	0.79	0.86	0.88	241.4
3850	560C	24774	5.2	0.8	2.0	89.3	5	9222	88	1484	95.6	95.5	95.7	0.78	0.84	0.86	268.7
6 Poles																	
710	450C	6821	6.3	0.8	2.7	27.6	25	4687	83	994	94.3	94.9	95.1	0.66	0.77	0.82	52.3
800	450C	7693	6.1	0.8	2.7	29.1	25	4800	83	993	94.7	95.0	95.2	0.7	0.79	0.83	57.5
900	450C	8664	5.5	0.7	2.4	30.6	25	4913	83	992	95.1	95.0	95.2	0.73	0.81	0.83	63.9
1000	450C	9626	5.2	0.7	2.2	23.3	22	5027	83	992	94.9	95.0	95.2	0.72	0.81	0.83	71.8
1120	500C	10771	6.5	0.9	2.5	37.8	21	5865	84	993	94.5	95.1	95.3	0.7	0.8	0.83	80.4
1250	500C	12033	6.0	0.9	2.6	40.3	21	5978	84	992	94.9	95.2	95.4	0.73	0.82	0.84	88.6
1400	500C	13490	5.4	0.8	2.3	42.8	21	6091	84	991	95.2	95.2	95.4	0.76	0.83	0.85	98.1
1600	500C	15433	5.3	0.7	2.0	45.3	21	6205	84	990	95.0	95.1	95.3	0.79	0.85	0.85	111
1800	560C	17292	5.5	0.7	2.1	73.3	25	8960	85	994	95.0	95.6	95.8	0.68	0.78	0.83	130.2
2000	560C	19214	5.6	0.7	2.1	76.6	23	9073	85	994	95.3	95.6	95.8	0.68	0.78	0.83	144.5
2250	560C	21637	5.5	0.8	2.4	80	23	9186	85	993	95.6	95.6	95.8	0.71	0.8	0.84	160.6
2500	560C	24066	5.0	0.7	2.2	83.4	23	9299	85	992	95.5	95.6	95.8	0.74	0.82	0.85	176.3
2800	560C	26981	4.9	0.6	2.0	80.4	21	9413	85	991	95.5	95.6	95.8	0.74	0.82	0.84	199.8
3150	560C	30415	4.5	0.7	1.8	93.9	14	9526	85	989	95.6	95.7	95.9	0.76	0.82	0.84	224.8
8 Poles																	
560	450C	7188	5.7	0.9	2.6	35.3	19	4315	79	744	93.3	94.3	94.5	0.64	0.75	0.8	42.7
630	450C	8097	5.2	0.8	2.3	37.4	19	4428	79	743	93.7	94.4	94.6	0.67	0.77	0.81	47.4
710	500C	9088	5.8	0.8	2.5	55.1	19	5623	80	746	93.7	94.7	94.9	0.56	0.68	0.78	57.3
800	500C	10254	6.0	0.8	2.4	55.1	19	5736	80	745	94.2	94.9	95.1	0.59	0.72	0.78	61.9
900	500C	11536	6.1	0.8	2.1	58.7	19	5850	80	745	94.6	94.9	95.1	0.63	0.74	0.8	67.9
1000	500C	12835	6.3	0.8	2.4	62.3	19	5963	80	744	94.9	95.0	95.2	0.66	0.76	0.81	74.5
1120	500C	14395	5.5	0.7	2.2	65.9	19	6076	80	743	95.2	95.1	95.3	0.69	0.79	0.82	82.5
1250	560C	16022	6.3	0.9	2.7	134.3	21	8819	82	745	93.8	95.1	95.3	0.63	0.74	0.8	94.5
1400	560C	17945	5.8	0.8	2.5	139.3	21	8932	82	745	94.3	95.2	95.4	0.66	0.77	0.81	104.4
1600	560C	20536	5.7	0.8	2.5	144.3	21	9045	82	744	94.8	95.3	95.5	0.7	0.79	0.83	116.3
1800	560C	23134	5.1	0.7	2.3	149.3	21	9159	82	743	95.5	95.4	95.6	0.73	0.81	0.83	129
2250	560C	28879	5.1	0.8	2.2	165.5	14	9272	82	744	95.8	95.6	95.8	0.65	0.75	0.79	170.9

2. Electrical Data

W60 GP / IC01 / 50 Hz / 6000 V - IP23

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency			Power Factor			Full load current In (A)
											50%	75%	100%	50%	75%	100%	
4 Poles																	
1400	450C	8972	4.8	0.6	2.0	22.5	21	4485	77	1490	95.3	95.4	95.6	0.77	0.84	0.86	160.0
1600	450C	10268	5.3	0.7	2.3	24.5	21	4598	77	1488	95.7	95.8	96.0	0.80	0.86	0.87	180.9
1800	450C	11544	5.7	0.8	2.5	26.5	17	4711	77	1489	95.9	96.0	96.2	0.75	0.83	0.85	208.1
2000	450C	12844	5.1	0.7	2.2	28.5	17	4825	77	1487	96.2	96.3	96.5	0.77	0.84	0.86	228.5
2250	500C	14430	5.7	0.7	2.4	42.8	16	5998	77	1489	95.9	96.3	96.5	0.82	0.88	0.88	251.8
2500	500C	16044	5.1	0.7	2.2	45.6	16	6111	77	1488	96.2	96.3	96.5	0.84	0.88	0.89	276.7
2800	500C	17993	5.2	0.6	1.9	48.4	16	6224	77	1486	96.4	96.3	96.5	0.86	0.89	0.89	309.9
3150	560C	20215	5.4	0.7	2.3	70.5	16	8297	78	1488	95.9	96.4	96.6	0.83	0.88	0.89	352.2
3550	560C	22752	5.8	0.7	2.2	74.0	12	8410	78	1490	96.0	96.5	96.7	0.77	0.85	0.88	401.0
4000	560C	25670	5.7	0.7	2.5	77.5	12	8523	78	1488	96.3	96.6	96.8	0.80	0.86	0.88	451.4
4250	560C	27275	5.4	0.7	2.3	81.0	12	8636	78	1488	96.4	96.6	96.8	0.81	0.87	0.88	479.6
4500	560C	28898	5.1	0.7	2.2	84.5	12	8750	78	1487	96.5	96.5	96.7	0.82	0.87	0.89	502.6
5000	560C	32153	5.0	0.6	2.0	88.0	12	8863	78	1485	96.7	96.5	96.7	0.84	0.88	0.89	558.5
6 Poles																	
1000	450C	9626	5.3	0.7	2.2	24.8	24	4522	76	992	95.6	95.7	95.9	0.71	0.80	0.83	118.8
1120	450C	10792	4.8	0.6	2.1	26.3	24	4635	76	991	95.5	95.6	95.8	0.74	0.82	0.84	131.7
1250	450C	12045	5.1	0.7	2.3	27.8	20	4748	76	991	95.6	95.7	95.9	0.69	0.78	0.81	152.2
1400	450C	13504	4.8	0.6	2.0	29.3	20	4861	76	990	95.5	95.6	95.8	0.72	0.80	0.83	166.5
1600	500C	15418	5.1	0.7	2.2	40.0	24	5725	76	991	95.9	96.0	96.2	0.77	0.84	0.84	183.0
1800	500C	17327	5.5	0.8	2.1	42.5	18	5838	76	992	96.1	96.2	96.4	0.70	0.79	0.82	215.6
2000	500C	19272	5.1	0.8	2.2	45.0	18	5952	76	991	96.2	96.3	96.5	0.72	0.81	0.83	236.9
2250	500C	21703	4.8	0.7	1.9	47.5	18	6065	76	990	96.2	96.3	96.5	0.75	0.83	0.84	263.7
2500	560C	24042	6.1	0.8	2.5	82.4	16	8686	76	993	96.7	96.6	96.8	0.69	0.79	0.83	294.9
2800	560C	26954	5.5	0.8	2.4	85.8	16	8800	76	992	96.5	96.6	96.8	0.72	0.81	0.84	326.4
3150	560C	30353	4.9	0.7	2.2	89.2	16	8913	76	991	96.5	96.6	96.8	0.75	0.83	0.84	363.4
3550	560C	34242	4.6	0.6	1.9	92.6	16	9026	76	990	96.4	96.5	96.7	0.78	0.84	0.84	405.2
8 Poles																	
700	450C	9009	4.9	0.8	2.1	37.7	31	4388	76	742	94.7	94.8	95.0	0.72	0.80	0.8	84.6
800	450C	10282	5.7	1.0	2.6	39.8	22	4501	76	743	94.8	94.9	95.1	0.64	0.75	0.8	100.2
900	450C	11583	5.1	0.8	2.3	41.9	22	4614	76	742	94.8	94.9	95.1	0.67	0.77	0.81	111.5
1000	500C	12835	5.4	0.8	2.2	65.6	33	5856	76	744	95.0	95.1	95.3	0.72	0.80	0.82	120.3
1120	500C	14375	5.9	0.9	2.5	69.2	26	5969	76	744	95.5	95.6	95.8	0.68	0.78	0.82	136.2
1250	500C	16065	5.3	0.8	2.2	72.8	26	6082	76	743	95.6	95.7	95.9	0.71	0.80	0.82	150.3
1400	500C	18018	4.8	0.8	2.0	76.4	26	6195	76	742	95.6	95.7	95.9	0.74	0.81	0.83	166.5
1600	560C	20536	5.8	0.8	2.5	146.1	26	8374	76	744	95.9	95.8	96.0	0.69	0.78	0.81	194.6
1800	560C	23103	5.2	0.7	2.4	151.1	26	8487	76	744	95.7	95.8	96.0	0.72	0.80	0.83	213.7
2000	560C	25705	5.0	0.7	2.1	156.1	26	8601	76	743	95.7	95.8	96.0	0.75	0.82	0.83	237.4
2250	560C	28879	5.6	0.8	2.5	161.1	18	8714	76	744	96.2	96.0	96.2	0.68	0.77	0.81	273.0
2500	560C	32131	5.1	0.8	2.4	166.1	18	8827	76	743	95.9	96.0	96.2	0.71	0.79	0.82	299.7

2. Electrical Data

W60 GP / IC01 / 50 Hz / 10000 V - IP23

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency			Power Factor			Full load current In (A)
											50%	75%	100%	50%	75%	100%	
4 Poles																	
1120	450C	7173	5.7	0.7	2.2	27.0	19	4388	77	1491	95.1	95.2	95.4	0.80	0.86	0.88	75.3
1250	450C	8011	5.9	0.8	2.5	29.0	19	4501	77	1490	95.3	95.4	95.6	0.82	0.87	0.88	84.0
1400	450C	8966	6.3	0.8	2.5	31.0	15	4614	77	1491	95.5	95.6	95.8	0.77	0.84	0.86	96.2
1600	450C	10254	6.5	0.8	2.5	28.5	12	4728	77	1490	95.5	95.6	95.8	0.72	0.81	0.84	112.5
1800	500C	11528	6.7	0.9	2.8	46.5	18	5764	77	1491	95.2	95.8	96.0	0.80	0.86	0.88	121.1
2000	500C	12818	6.1	0.8	2.6	49.3	18	5877	77	1490	95.5	95.8	96.0	0.82	0.88	0.89	133.1
2250	500C	14430	5.4	0.7	2.3	52.1	18	5990	77	1489	95.9	95.9	96.1	0.84	0.89	0.89	149.6
2500	500C	16044	5.4	0.7	2.3	48.4	15	6104	77	1488	96.0	96.0	96.2	0.82	0.87	0.88	168.1
2800	560C	17933	5.9	0.8	2.5	76.2	13	7830	78	1491	95.3	96.1	96.3	0.75	0.83	0.88	192.6
3000	560C	19214	6.8	0.9	3.0	79.7	13	7943	78	1491	95.5	96.1	96.3	0.77	0.84	0.88	203.8
3150	560C	20188	5.7	0.7	2.2	83.2	13	8056	78	1490	95.6	96.1	96.3	0.78	0.85	0.88	213.9
3550	560C	22767	5.8	0.7	2.5	86.7	13	8169	78	1489	95.9	96.1	96.3	0.81	0.86	0.89	238.4
4000	560C	25653	5.2	0.6	2.2	90.2	11	8282	78	1489	96.1	96.3	96.5	0.77	0.84	0.87	274.2
4250	560C	27256	5.5	0.6	2.1	90.2	11	8396	78	1489	96.2	96.3	96.5	0.78	0.85	0.88	288.1
4500	560C	28918	5.0	0.6	2.2	84.4	11	8509	78	1486	96.4	96.4	96.6	0.82	0.87	0.88	305.3
6 Poles																	
800	450C	7693	6.1	0.8	2.7	27.6	25	4430	76	993	95.4	95.5	95.7	0.70	0.79	0.82	57.2
900	450C	8664	5.6	0.7	2.4	29.1	25	4543	76	992	95.3	95.4	95.6	0.73	0.81	0.83	63.7
1000	450C	9636	5.1	0.7	2.1	23.3	25	4656	76	991	95.3	95.4	95.6	0.75	0.83	0.83	70.8
1120	450C	10792	5.0	0.6	2.0	24.8	22	4770	76	991	95.2	95.3	95.5	0.75	0.82	0.83	79.3
1250	500C	12009	5.8	0.8	2.5	46.9	22	5601	76	994	95.8	96.0	96.2	0.65	0.76	0.81	91.1
1400	500C	13463	6.0	0.8	2.4	49.4	22	5714	76	993	96.1	96.0	96.2	0.69	0.79	0.82	99.6
1600	500C	15402	5.8	0.8	2.5	51.9	22	5827	76	992	95.9	96.0	96.2	0.72	0.81	0.83	112.5
1800	500C	17345	5.2	0.7	2.2	47.5	16	5940	76	991	95.7	95.8	96.0	0.73	0.81	0.83	126.8
2000	560C	19214	6.0	0.8	2.6	85.6	17	8516	76	994	96.2	96.3	96.5	0.65	0.76	0.80	145.3
2250	560C	21616	6.4	0.8	2.6	89.0	17	8629	76	994	96.5	96.3	96.5	0.68	0.79	0.82	159.6
2500	560C	24042	6.5	0.8	2.6	92.3	17	8742	76	993	96.2	96.3	96.5	0.72	0.81	0.83	175.2
2800	560C	26954	5.3	0.7	2.3	95.7	17	8856	76	992	96.2	96.3	96.5	0.74	0.83	0.84	194.0
3150	560C	30353	5.1	0.6	2.1	92.6	17	8969	76	991	96.0	96.1	96.3	0.76	0.84	0.84	218.7
3550	560C	34277	5.5	0.7	2.0	97.0	13	9082	76	989	95.8	95.9	96.1	0.73	0.81	0.82	252.6
8 Poles																	
630	450C	8086	5.9	0.9	2.6	43.8	17	4287	76	744	94.9	94.7	94.9	0.67	0.77	0.81	47.1
710	450C	9125	5.3	0.8	2.3	45.9	17	4390	76	743	94.5	94.6	94.8	0.70	0.79	0.83	51.8
800	450C	10282	5.3	0.9	2.3	41.9	13	4503	76	743	94.4	94.5	94.7	0.67	0.77	0.82	59.2
900	500C	11536	6.2	0.8	2.2	75.5	22	5751	76	745	95.4	95.3	95.5	0.65	0.76	0.81	66.7
1000	500C	12835	6.5	1.0	2.6	79.1	22	5864	76	744	95.2	95.3	95.5	0.68	0.78	0.82	73.2
1120	500C	14375	5.6	0.9	2.3	82.7	22	5977	76	744	95.2	95.3	95.5	0.71	0.80	0.83	81.0
1250	500C	16065	5.5	0.9	2.3	76.4	18	6090	76	743	95.1	95.2	95.4	0.70	0.79	0.83	90.5
1400	560C	17945	6.3	0.9	2.7	156.2	25	8138	76	745	95.7	95.5	95.7	0.63	0.74	0.80	104.7
1600	560C	20481	6.5	0.9	2.8	161.2	20	8251	76	746	95.7	95.6	95.8	0.59	0.72	0.78	122.6
1800	560C	23072	5.9	0.8	2.4	166.2	20	8364	76	745	95.5	95.6	95.8	0.63	0.74	0.80	134.5
2000	560C	25670	6.1	0.9	2.8	171.2	20	8477	76	744	95.5	95.6	95.8	0.66	0.77	0.81	147.6
2250	560C	28879	5.5	0.8	2.5	177.2	20	8590	76	744	95.5	95.6	95.8	0.70	0.79	0.83	162.0
2500	560C	32131	4.8	0.8	2.2	166.7	16	8704	76	743	95.4	95.5	95.7	0.69	0.78	0.82	182.4

2. Electrical Data

W60 GP / IC616 / 50 Hz / 6000 V - IP55

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency			Power Factor			Full load current In (A)
											50%	75%	100%	50%	75%	100%	
4 Poles																	
1000	450C	6409	6.0	0.8	2.5	22.0	33	4647	85	1490	95.4	95.7	95.9	0.80	0.86	0.86	113.4
1120	450C	7183	5.3	0.7	2.3	24.0	33	4760	85	1489	95.8	95.8	96.0	0.82	0.87	0.87	125.5
1250	450C	8006	6.5	0.9	2.9	26.0	22	4874	85	1491	95.7	95.8	96.0	0.73	0.82	0.84	144.8
1400	450C	8979	5.8	0.8	2.5	28.0	23	4973	85	1489	96.0	95.8	96.0	0.76	0.84	0.84	162.2
1600	500C	10261	5.4	0.7	2.3	39.0	26	6489	85	1489	95.1	95.5	95.7	0.85	0.88	0.88	177.8
1800	500C	11536	5.8	0.7	2.5	41.8	21	6602	85	1490	95.2	95.7	95.9	0.83	0.88	0.88	199.6
2000	500C	12826	5.3	0.6	2.2	44.6	21	6716	85	1489	95.6	95.7	95.9	0.85	0.88	0.88	221.8
2250	500C	14420	5.8	0.7	2.5	47.4	16	6829	85	1490	95.7	95.8	96.0	0.82	0.87	0.87	252.1
2400	500C	15392	5.5	0.7	2.3	50.2	16	6942	85	1489	95.8	95.9	96.1	0.83	0.86	0.87	268.6
2650	560C	16984	6.0	0.7	2.7	75.4	12	9678	88	1490	95.3	95.8	96.0	0.80	0.86	0.86	300.3
2800	560C	17957	5.7	0.7	2.6	78.9	12	9791	88	1489	95.5	95.9	96.1	0.81	0.87	0.87	313.4
3150	560C	20215	5.1	0.6	2.3	82.4	12	9904	88	1488	95.9	95.9	96.1	0.83	0.86	0.87	352.6
3550	560C	22752	6.0	0.8	2.7	85.9	8	10017	88	1490	95.9	96.0	96.2	0.77	0.84	0.85	405.6
4000	560C	25670	5.3	0.7	2.4	89.4	8	10131	88	1488	96.2	96.0	96.2	0.80	0.86	0.86	451.8
6 Poles																	
800	450C	7693	5.7	0.8	2.5	24.8	29	4770	81	993	95.6	95.6	95.8	0.72	0.81	0.82	95.3
900	450C	8655	5.9	0.8	2.7	26.3	23	4883	81	993	95.7	95.7	95.9	0.67	0.78	0.80	109.7
1000	450C	9626	5.4	0.8	2.4	27.8	23	4996	81	992	95.9	95.7	95.9	0.70	0.80	0.81	120.4
1120	500C	10781	5.7	0.9	2.4	40.0	29	6341	81	992	95.9	95.8	96.0	0.79	0.85	0.86	127.0
1250	500C	12033	6.1	1.0	2.6	42.5	24	6455	81	992	96.0	95.9	96.1	0.75	0.83	0.84	144.9
1400	500C	13477	5.5	0.9	2.3	45.0	24	6568	81	992	95.8	95.9	96.1	0.77	0.84	0.85	160.5
1600	500C	15433	4.9	0.8	2.0	47.5	24	6681	81	990	95.7	95.8	96.0	0.80	0.86	0.86	181.5
1800	560C	17310	5.9	0.8	2.5	70.0	27	8908	84	993	96.0	96.1	96.3	0.75	0.83	0.84	208.3
2000	560C	19253	5.3	0.8	2.3	73.3	27	9021	84	992	96.3	96.1	96.3	0.77	0.84	0.85	228.8
2250	560C	21637	6.1	1.0	2.7	76.6	19	9134	84	993	96.2	96.2	96.4	0.68	0.78	0.81	269.5
2500	560C	24066	5.6	0.9	2.5	80.0	19	9247	84	992	96.1	96.2	96.4	0.71	0.80	0.82	295.9
2800	560C	26981	5.0	0.8	2.2	83.4	19	9361	84	991	96.1	96.2	96.4	0.74	0.82	0.83	327.5
8 Poles																	
710	450C	9125	5.1	0.8	2.2	37.3	30	4529	80	743	95.2	95.1	95.3	0.69	0.78	0.80	87.1
800	450C	10296	4.8	0.7	2.0	33.2	30	4642	80	742	94.9	95.0	95.2	0.72	0.80	0.81	97.0
900	500C	11536	6.0	0.9	2.8	58.7	29	6098	80	745	95.2	95.5	95.7	0.63	0.74	0.77	114.1
1000	500C	12835	5.5	0.8	2.5	62.3	29	6211	80	744	95.5	95.6	95.8	0.66	0.76	0.79	123.5
1120	500C	14375	5.0	0.7	2.2	65.9	29	6324	80	744	95.4	95.5	95.7	0.69	0.78	0.80	136.8
1250	560C	16044	6.2	0.9	2.8	129.3	26	8685	81	744	94.6	95.4	95.6	0.68	0.78	0.80	152.8
1400	560C	17969	5.6	0.8	2.5	134.3	26	8799	81	744	95.0	95.5	95.7	0.71	0.80	0.81	168.9
1600	560C	20536	6.3	1.0	2.9	139.3	19	8912	81	744	95.1	95.6	95.8	0.65	0.76	0.79	197.6
1800	560C	23103	5.7	0.9	2.6	144.3	19	9025	81	744	95.4	95.7	95.9	0.69	0.78	0.80	219.3
2250	560C	28957	4.9	0.7	2.1	149.3	19	9138	81	742	95.6	95.7	95.9	0.74	0.81	0.82	267.6

2. Electrical Data

W60 GP / IC616 / 50 Hz / 10000 V - IP55

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency			Power Factor			Full load current In (A)
											50%	75%	100%	50%	75%	100%	
4 Poles																	
1000	450C	6413	5.8	0.8	2.4	22.9	29	4541	85	1489	94.5	95.1	95.3	0.81	0.87	0.87	67.8
1120	450C	7178	6.2	0.8	2.6	24.9	25	4654	85	1490	94.7	95.3	95.5	0.78	0.85	0.86	76.6
1250	450C	7696	5.8	0.8	2.5	26.9	25	4767	85	1489	94.9	95.3	95.5	0.80	0.86	0.86	82.1
1400	500C	8966	6.5	0.8	2.8	39.3	23	6352	85	1491	94.2	95.2	95.4	0.81	0.87	0.88	93.7
1600	500C	10254	5.8	0.7	2.4	42.1	23	6465	85	1490	94.7	95.4	95.6	0.84	0.87	0.88	106.9
1800	500C	11552	5.1	0.6	2.2	44.9	23	6578	85	1488	95.1	95.4	95.6	0.86	0.87	0.88	120.3
2000	500C	12818	5.8	0.8	2.5	47.7	18	6691	85	1490	95.2	95.6	95.8	0.82	0.87	0.87	134.9
2250	560C	14410	6.5	0.8	3.0	69.3	12	8694	88	1491	94.7	95.6	95.8	0.78	0.85	0.86	153.4
2500	560C	16022	5.8	0.7	2.6	72.8	12	8808	88	1490	95.1	95.7	95.9	0.80	0.86	0.86	170.3
2650	560C	16995	5.5	0.7	2.5	76.3	12	8921	88	1489	95.3	95.8	96.0	0.81	0.87	0.87	178.3
2800	560C	17945	6.1	0.8	2.8	79.8	10	9034	88	1490	95.3	95.8	96.0	0.78	0.85	0.86	190.6
3150	560C	20202	5.5	0.7	2.5	83.1	10	9147	88	1489	95.6	95.9	96.1	0.80	0.86	0.86	214.2
3550	560C	22431	5.9	0.8	2.7	86.8	8	9261	88	1490	95.8	96.0	96.2	0.77	0.84	0.85	240.4
6 Poles																	
710	450C	6828	6.0	0.8	2.6	24.8	26	4670	81	993	95.1	95.3	95.5	0.71	0.81	0.82	50.9
800	450C	7701	5.3	0.7	2.3	26.3	26	4783	81	992	95.4	95.2	95.4	0.75	0.82	0.83	56.7
900	450C	8655	5.7	0.8	2.5	27.8	22	4896	81	993	95.5	95.4	95.6	0.69	0.79	0.81	65.2
1000	500C	9626	5.9	0.9	2.4	40.0	23	6175	81	992	95.3	95.3	95.5	0.79	0.85	0.86	68.4
1120	500C	10792	5.3	0.8	2.1	42.5	23	6288	81	991	95.1	95.2	95.4	0.81	0.85	0.86	76.7
1250	500C	12033	5.9	0.9	2.4	45.0	18	6402	81	992	95.6	95.4	95.6	0.76	0.84	0.85	86.4
1400	500C	13490	5.3	0.8	2.2	47.5	18	6515	81	991	95.3	95.4	95.6	0.79	0.85	0.85	96.8
1600	560C	15371	5.9	0.8	2.6	70.0	31	8587	84	994	95.5	95.8	96.0	0.72	0.81	0.83	112.7
1800	560C	17292	5.9	0.8	2.6	73.3	27	8701	84	994	95.7	95.9	96.1	0.70	0.80	0.82	128.2
2000	560C	19214	6.0	0.8	2.7	76.6	23	8814	84	994	95.8	96.0	96.2	0.68	0.78	0.81	144.0
2250	560C	21637	5.7	0.8	2.5	80.0	21	8927	84	993	96.0	96.0	96.2	0.68	0.78	0.81	162.0
2500	560C	24066	5.2	0.7	2.3	80.4	21	9040	84	992	96.2	96.0	96.2	0.71	0.80	0.82	177.9
8 Poles																	
560	450C	7188	5.7	0.9	2.6	35.3	19	4290	80	744	93.9	94.3	94.5	0.64	0.75	0.78	42.6
630	450C	8097	5.2	0.8	2.3	37.4	19	4403	80	743	94.3	94.3	94.5	0.67	0.77	0.79	47.3
710	500C	9101	6.1	0.9	2.8	55.1	23	5924	80	745	94.7	95.1	95.3	0.65	0.75	0.79	52.9
800	500C	10268	5.5	0.8	2.5	58.7	23	6037	80	744	95.0	95.2	95.4	0.68	0.78	0.80	58.8
900	500C	11536	6.0	0.9	2.7	62.3	19	6151	80	745	95.0	95.3	95.5	0.63	0.74	0.78	67.7
1000	500C	12835	5.5	0.8	2.4	65.9	19	6264	80	744	95.3	95.2	95.4	0.66	0.76	0.79	74.4
1120	560C	14375	5.9	0.9	2.7	134.3	31	8550	81	744	94.3	95.1	95.3	0.70	0.79	0.81	81.4
1250	560C	16044	5.4	0.8	2.4	139.3	31	8663	81	744	94.7	95.1	95.3	0.72	0.80	0.82	89.8
1400	560C	17945	6.4	1.0	2.9	144.3	21	8776	81	745	94.5	95.1	95.3	0.66	0.77	0.79	104.3
1600	560C	20536	5.7	0.8	2.6	149.3	21	8889	81	744	95.0	95.2	95.4	0.70	0.79	0.81	116.2

2. Electrical Data

W60 GP / IC86W / 50 Hz / 6000 V - IP55

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency			Power Factor			Full load current In (A)
											50%	75%	100%	50%	75%	100%	
4 Poles																	
1400	450C	8985	5.2	0.7	2.2	20.5	26	4583	80	1488	96.2	96.3	96.5	0.83	0.87	0.87	156.0
1600	450C	10254	6.3	0.9	2.8	22.5	17	4696	80	1490	96.3	96.4	96.6	0.72	0.81	0.83	186.5
1800	450C	11544	5.7	0.8	2.5	24.5	17	4809	80	1489	96.3	96.4	96.6	0.75	0.83	0.84	207.4
2000	450C	12844	5.1	0.7	2.2	26.5	17	4923	80	1487	96.2	96.3	96.5	0.77	0.84	0.85	228.0
2250	500C	14439	5.9	0.8	2.5	44.6	12	6266	80	1488	96.0	96.1	96.3	0.82	0.87	0.87	251.3
2500	500C	16044	6.0	0.8	2.6	47.4	10	6379	80	1488	96.4	96.2	96.4	0.80	0.86	0.87	278.9
2800	500C	17993	5.4	0.7	2.3	50.2	10	6492	80	1486	96.0	96.1	96.3	0.82	0.87	0.87	312.7
3150	560C	20242	5.3	0.7	2.2	83.1	12	8927	81	1486	96.2	96.3	96.5	0.83	0.86	0.87	351.1
3550	560C	22782	6.2	0.9	2.7	86.6	9	9040	81	1488	96.3	96.4	96.6	0.78	0.85	0.86	399.8
4000	560C	25705	5.5	0.8	2.4	90.1	9	9153	81	1486	96.3	96.4	96.6	0.81	0.86	0.86	450.4
6 Poles																	
1000	450C	9617	6.1	0.9	2.8	24.8	20	4620	77	993	95.8	95.7	95.9	0.62	0.74	0.78	124.8
1120	450C	10781	5.6	0.8	2.5	26.3	20	4733	77	992	95.6	95.7	95.9	0.66	0.76	0.79	138.0
1250	450C	12045	5.1	0.7	2.3	27.8	20	4846	77	991	95.5	95.6	95.8	0.69	0.78	0.80	152.3
1400	450C	13504	4.8	0.6	2.0	29.3	20	4959	77	990	95.4	95.5	95.7	0.72	0.80	0.82	166.7
1600	500C	15387	6.2	1.0	2.8	40.0	18	5974	77	993	96.3	96.1	96.3	0.66	0.77	0.80	194.0
1800	500C	17327	5.5	0.9	2.4	42.5	18	6087	77	992	95.9	96.0	96.2	0.70	0.79	0.81	215.8
2000	500C	19272	5.0	0.8	2.2	45.0	18	6201	77	991	95.9	96.0	96.2	0.72	0.81	0.83	234.1
2250	500C	21703	4.8	0.7	1.9	47.5	18	6314	77	990	95.7	95.8	96.0	0.75	0.83	0.83	264.0
2500	560C	24042	6.1	0.9	2.8	82.4	16	8956	78	993	96.3	96.4	96.6	0.69	0.79	0.82	294.9
2800	560C	26954	5.5	0.8	2.4	85.8	16	9069	78	992	96.3	96.4	96.6	0.72	0.81	0.83	326.4
3150	560C	30353	4.9	0.7	2.2	89.2	16	9182	78	991	96.2	96.3	96.5	0.75	0.83	0.84	363.4
3550	560C	34242	4.6	0.6	1.9	92.6	16	9295	78	990	96.1	96.2	96.4	0.78	0.84	0.85	405.2
8 Poles																	
710	450C	9125	5.5	0.9	2.4	31.4	26	4486	76	743	95.0	94.9	95.1	0.68	0.77	0.80	87.2
800	450C	10282	5.7	1.0	2.6	33.5	22	4599	76	743	95.2	95.1	95.3	0.64	0.75	0.78	100.4
900	450C	11583	5.1	0.8	2.3	35.6	22	4712	76	742	95.0	95.1	95.3	0.67	0.77	0.79	111.6
1000	500C	12818	6.5	1.1	2.8	65.6	26	6105	76	745	95.2	95.5	95.7	0.65	0.76	0.79	123.5
1120	500C	14375	5.9	1.0	2.5	69.1	26	6218	76	744	95.5	95.5	95.7	0.68	0.78	0.80	136.6
1250	500C	16065	5.3	0.9	2.2	72.8	26	6331	76	743	95.4	95.5	95.7	0.71	0.80	0.81	150.6
1400	500C	18018	4.8	0.8	2.0	76.4	26	6444	76	742	95.3	95.4	95.6	0.74	0.81	0.82	166.9
1600	560C	20536	5.8	0.8	2.7	146.1	25	8643	77	744	95.5	95.7	95.9	0.69	0.78	0.80	194.8
1800	560C	23103	5.2	0.7	2.4	151.1	25	8757	77	744	95.8	95.7	95.9	0.72	0.80	0.82	213.9
2000	560C	25636	6.2	0.9	2.9	156.1	18	8870	77	745	95.7	95.8	96.0	0.64	0.75	0.78	249.3
2250	560C	28879	5.6	0.8	2.6	161.1	18	8983	77	744	96.0	95.8	96.0	0.68	0.77	0.80	273.6
2500	560C	32131	5.1	0.8	2.3	166.1	18	9096	77	743	95.7	95.8	96.0	0.71	0.79	0.81	300.3

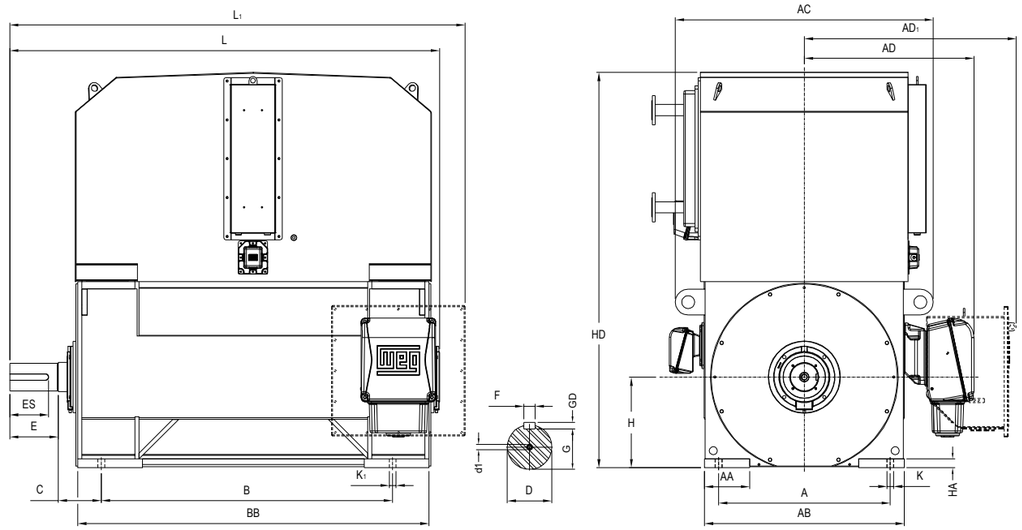
2. Electrical Data

W60 GP / IC86W / 50 Hz / 10000 V - IP55

Output kW	Frame	Full load torque (Nm)	Locked rotor current Il/In	Locked rotor torque Ti/Tn	Break-down torque Tb/Tn	Inertia J (kg.m²)	Allowable locked hot rotor time (s)	Weight (kg)	Sound dB(A)	Rated speed (rpm)	Efficiency 50%	Efficiency 75%	Efficiency 100%	Power Factor 50%	Power Factor 75%	Power Factor 100%	Full load current In (A)
4 Poles																	
1120	450C	7178	6.0	0.8	2.5	20.5	18	4486	80	1490	95.9	96.0	96.2	0.81	0.86	0.86	76.0
1250	450C	8017	5.4	0.7	2.2	22.5	18	4599	80	1489	95.8	95.9	96.1	0.83	0.87	0.87	83.9
1400	450C	8979	5.8	0.8	2.5	24.5	15	4712	80	1489	96.0	96.1	96.3	0.79	0.85	0.86	94.9
1600	450C	10254	6.3	0.9	2.7	26.5	12	4826	80	1490	96.0	96.1	96.3	0.72	0.81	0.83	112.3
1800	500C	11528	6.5	0.8	2.8	40.0	18	6013	80	1491	96.0	96.1	96.3	0.80	0.86	0.87	120.6
2000	500C	12818	5.9	0.8	2.5	42.8	18	6126	80	1490	96.3	96.1	96.3	0.82	0.87	0.87	134.0
2250	500C	14420	6.0	0.8	2.5	45.6	15	6239	80	1490	96.0	96.1	96.3	0.80	0.86	0.87	150.8
2500	500C	16044	5.4	0.7	2.3	48.4	15	6353	80	1488	96.0	96.1	96.3	0.82	0.87	0.87	167.5
2800	560C	17945	6.3	0.8	2.7	88.0	15	8612	81	1490	96.5	96.3	96.5	0.79	0.86	0.86	189.4
3150	560C	20202	5.7	0.7	2.4	81.0	15	8725	81	1489	96.2	96.3	96.5	0.82	0.87	0.87	210.7
3550	560C	22767	6.0	0.8	2.6	84.5	13	8838	81	1489	96.3	96.4	96.6	0.79	0.86	0.86	239.9
3750	560C	24066	5.7	0.7	2.4	88.0	13	8952	81	1488	96.3	96.4	96.6	0.80	0.86	0.86	253.4
6 Poles																	
800	450C	7686	6.3	0.9	2.8	24.8	22	4528	77	994	95.2	95.3	95.5	0.66	0.77	0.80	58.7
900	450C	8655	5.7	0.8	2.5	26.3	22	4641	77	993	95.5	95.3	95.5	0.69	0.79	0.81	65.2
1000	450C	9626	5.2	0.7	2.3	27.8	22	4754	77	992	95.1	95.2	95.4	0.72	0.81	0.82	71.7
1120	450C	10792	4.9	0.6	2.0	29.3	22	4867	77	991	95.0	95.1	95.3	0.75	0.82	0.83	79.4
1250	500C	12021	6.5	0.9	2.8	40.0	19	5850	77	993	95.8	95.7	95.9	0.70	0.80	0.82	89.1
1400	500C	13463	5.8	0.8	2.5	42.5	19	5963	77	993	95.6	95.7	95.9	0.73	0.82	0.83	98.6
1600	500C	15402	5.8	0.8	2.5	45.0	16	6076	77	992	95.6	95.7	95.9	0.70	0.79	0.82	114.1
1800	500C	17345	5.2	0.7	2.2	47.5	16	6189	77	991	95.5	95.6	95.8	0.73	0.81	0.83	127.0
2000	560C	19214	6.2	0.8	2.8	79.0	18	8669	78	994	96.3	96.1	96.3	0.70	0.80	0.82	142.0
2250	560C	21616	6.3	0.9	2.9	82.4	17	8782	78	994	96.4	96.2	96.4	0.68	0.78	0.81	161.5
2500	560C	24042	5.8	0.8	2.6	85.8	17	8895	78	993	96.1	96.2	96.4	0.71	0.80	0.82	177.3
2800	560C	26954	5.2	0.7	2.3	89.1	17	9009	78	992	96.0	96.1	96.3	0.74	0.82	0.83	196.5
3150	560C	30353	4.9	0.6	2.1	92.6	17	9122	78	991	95.9	96.0	96.2	0.76	0.84	0.84	218.7
8 Poles																	
630	450C	8086	6.4	1.1	2.9	37.7	13	4375	76	744	94.0	94.4	94.6	0.60	0.72	0.76	49.0
710	450C	9113	5.9	1.0	2.6	39.8	13	4488	76	744	94.4	94.4	94.6	0.64	0.75	0.78	53.9
800	450C	10282	5.3	0.8	2.3	41.9	13	4601	76	743	94.2	94.3	94.5	0.67	0.77	0.80	59.3
900	500C	11552	5.9	0.9	2.4	65.6	18	6000	76	744	94.8	94.9	95.1	0.70	0.79	0.81	65.5
1000	500C	12835	5.4	0.8	2.2	69.1	18	6113	76	744	95.1	94.9	95.1	0.72	0.81	0.82	71.9
1120	500C	14375	6.0	1.0	2.5	72.8	18	6226	76	744	95.2	95.2	95.4	0.67	0.77	0.80	82.2
1250	500C	16065	5.4	0.9	2.3	76.4	18	6339	76	743	95.0	95.1	95.3	0.70	0.79	0.81	90.8
1400	560C	17945	6.2	0.9	2.9	141.1	24	8481	77	745	95.1	95.4	95.6	0.67	0.77	0.80	102.6
1600	560C	20536	5.6	0.8	2.5	146.1	24	8595	77	744	95.5	95.5	95.7	0.71	0.80	0.81	115.7
1800	560C	23103	5.9	0.8	2.7	151.1	21	8708	77	744	95.5	95.5	95.7	0.68	0.78	0.80	131.7
2000	560C	25670	5.3	0.7	2.4	156.1	21	8821	77	744	95.4	95.5	95.7	0.71	0.80	0.81	144.6
2250	560C	28918	4.8	0.7	2.2	166.1	21	8934	77	743	95.4	95.5	95.7	0.74	0.81	0.82	160.8

3. Mechanical Data

W60 GP / IC81W / Ball bearing - IP55



Frame	Poles	Dimensions A	B	K	C	AB	BB	L	L1	H	HD	HA	AA	K1	AC
450C	4/6/8	850	1400	35	250	1010	1670	2090	2245	450	2020	40	200	35	1166
500C	4/6/8	900	1600	42	260	1120	1835	2310	2465	500	2225	40	250	42	1276
560C	4/6/8	1060	1800	42	265	1234	2170	2655	2815	560	2440	55	280	42	1595

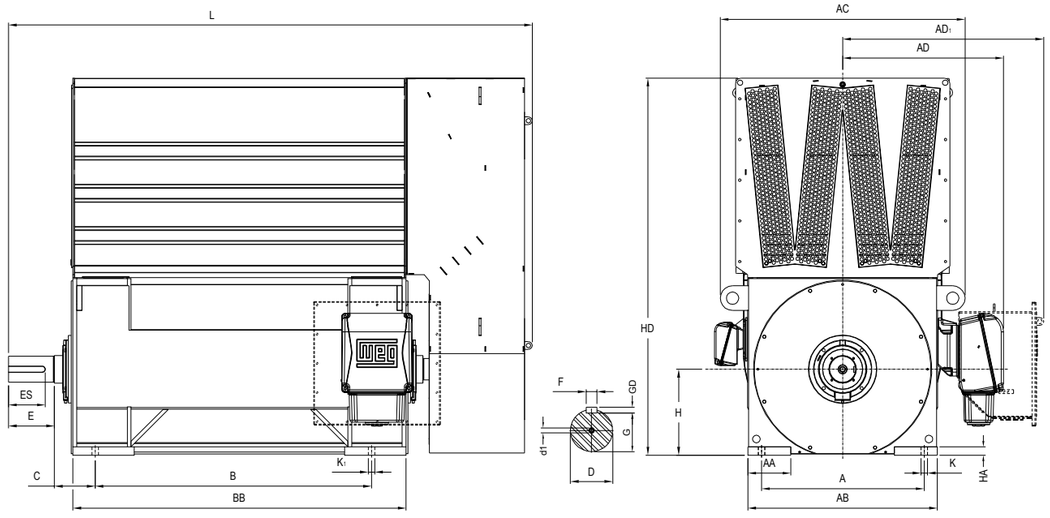
Frame	Poles	Shaft End E	ES	D	G	GD	F	d1	Ball Bearing DE	NDE	Dimension AD / AD_1 6kV	10kV
450C	4/6/8	210	160	110	100	16	28	M24×3.0	6324	6324	935	1200
500C	4/6/8	250	200	140	128	20	36	M30×3.5	6230	6230	990	1255
560C	4/6/8	300	240	170	157	22	40	M36×4.0	6236	6236	1050	1310

Note:

- AD Dimension for 6kV Cast Iron Terminal box
- L1 and AD1 Dimension for 10kV Steel Plate Terminal box

3. Mechanical Data

W60 GP / IC611 / Ball bearing - IP55



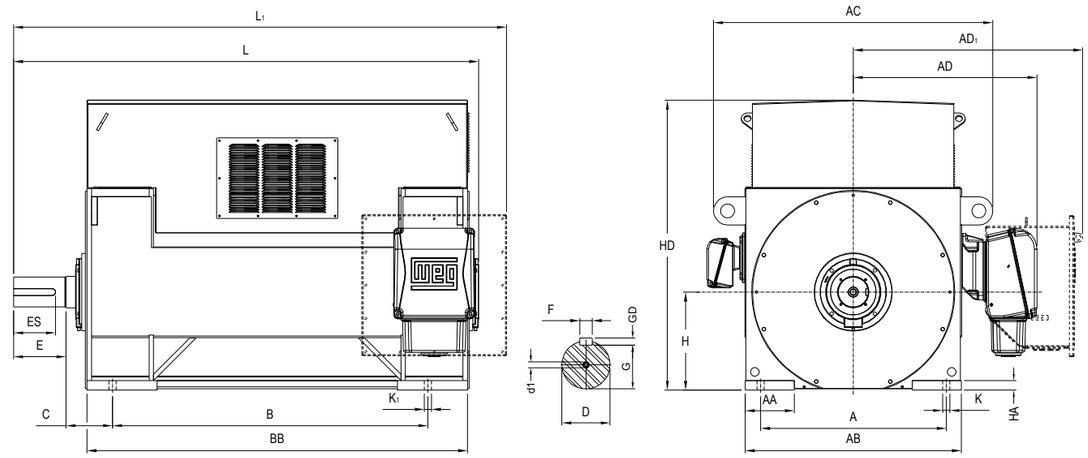
Frame	Poles	Dimensions												
		A	B	K	C	AB	BB	L	H	HD	HA	AA	K1	AC
450C	4/6/8	850	1400	35	250	1010	1670	2680	450	1935	40	200	35	1166
500C	4/6/8	900	1600	42	260	1120	1835	2960	500	2295	40	250	42	1276
560C	4/6/8	1060	1800	42	265	1234	2170	3415	560	2460	55	280	42	1595

Frame	Poles	Shaft End							Ball Bearing		Dimension AD / AD_1	
		E	ES	D	G	GD	F	d1	DE	NDE	6kV	10kV
450C	4/6/8	210	160	110	100	16	28	M24×3.0	6324	6324	935	1200
500C	4/6/8	250	200	140	128	20	36	M30×3.5	6230	6230	990	1255
560C	4/6/8	300	240	170	157	22	40	M36×4.0	6236	6236	1050	1310

Note:
- AD Dimension for 6kV Cast Iron Terminal box
- AD1 Dimension for 10kV Steel Plate Terminal box

3. Mechanical Data

W60 GP / IC01 / Ball bearing - IP23



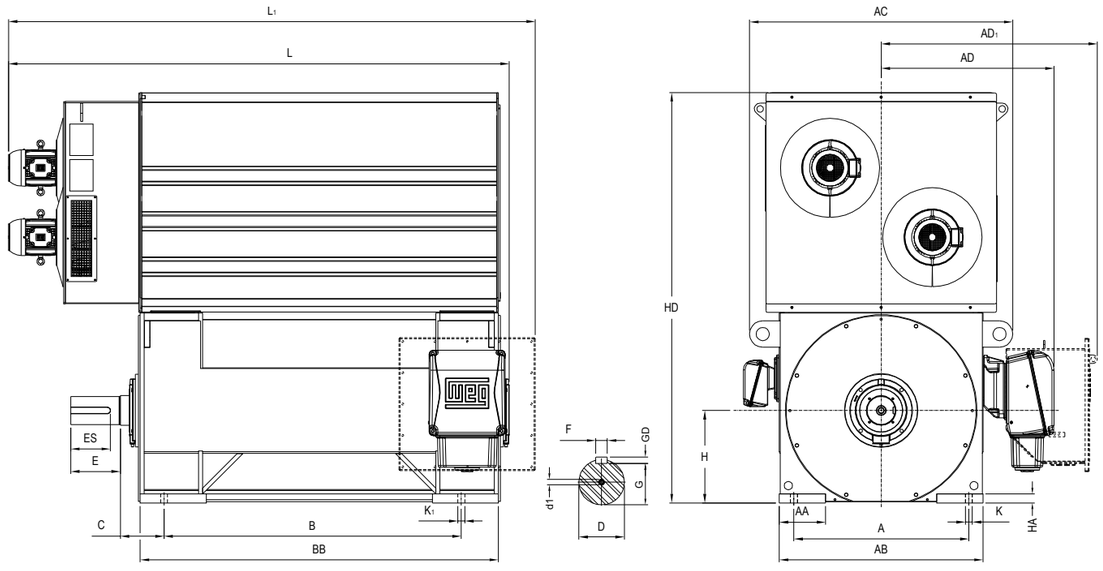
Frame	Poles	Dimensions													
		A	B	K	C	AB	BB	L	L1	H	HD	HA	AA	K1	AC
450C	4/6/8	850	1400	35	250	1010	1670	2090	2245	450	1435	40	200	35	1166
500C	4/6/8	900	1600	42	260	1120	1835	2310	2465	500	1535	40	250	42	1276
560C	4/6/8	1060	1800	42	265	1234	2170	2655	2815	560	1655	55	280	42	1595

Frame	Poles	Shaft End							Ball Bearing		Dimension AD / AD_1	
		E	ES	D	G	GD	F	d1	DE	NDE	6kV	10kV
450C	4/6/8	210	160	110	100	16	28	M24×3.0	6324	6324	935	1200
500C	4/6/8	250	200	140	128	20	36	M30×3.5	6230	6230	990	1255
560C	4/6/8	300	240	170	157	22	40	M36×4.0	6236	6236	1050	1310

Note:
- AD Dimension for 6kV Cast Iron Terminal box
- L1 and AD1 Dimension for 10kV Steel Plate Terminal box

3. Mechanical Data

W60 GP / IC616 / Ball bearing - IP55



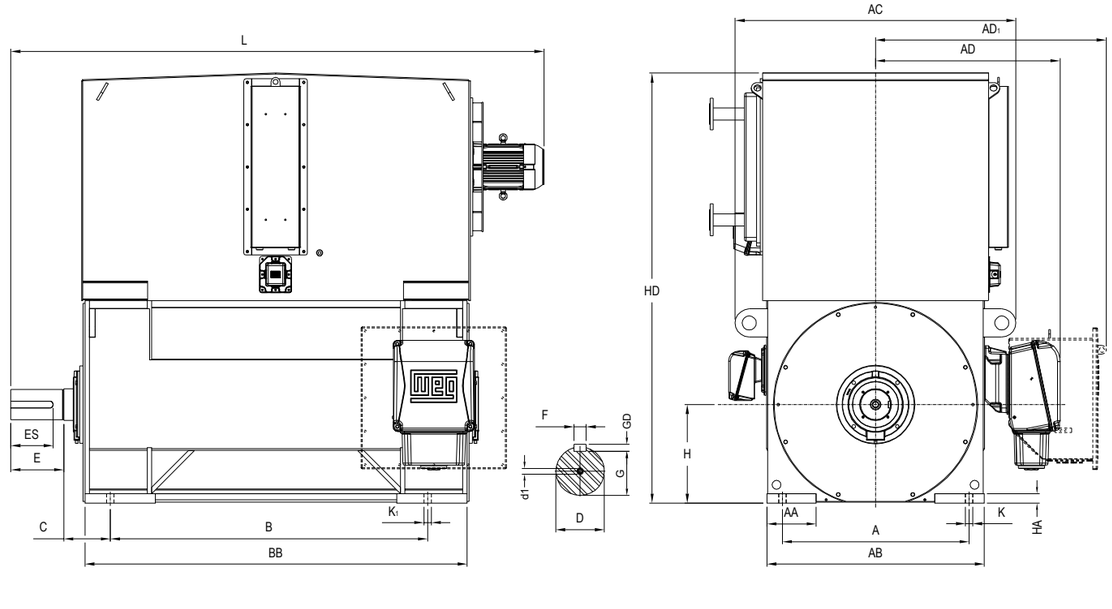
Frame	Poles	Dimensions													
		A	B	K	C	AB	BB	L	L1	H	HD	HA	AA	K1	AC
450C	4/6/8	850	1400	35	250	1010	1670	2540	2700	450	1950	40	200	35	1166
500C	4/6/8	900	1600	42	260	1120	1835	2725	2880	500	2315	40	250	42	1276
560C	4/6/8	1060	1800	42	265	1234	2170	3035	3195	560	2490	55	280	42	1595

Frame	Poles	Shaft End							Ball Bearing		Dimension AD / AD_1	
		E	ES	D	G	GD	F	d1	DE	NDE	6kV	10kV
450C	4/6/8	210	160	110	100	16	28	M24×3.0	6324	6324	935	1200
500C	4/6/8	250	200	140	128	20	36	M30×3.5	6230	6230	990	1255
560C	4/6/8	300	240	170	157	22	40	M36×4.0	6236	6236	1050	1310

Note:
- AD Dimension for 6kV Cast Iron Terminal box
- L1 and AD1 Dimension for 10kV Steel Plate Terminal box

3. Mechanical Data

W60 GP / IC86W / Ball bearing - IP55



Frame	Poles	Dimensions												
		A	B	K	C	AB	BB	L	H	HD	HA	AA	K1	AC
450C	4/6/8	850	1400	35	250	1010	1670	2335	450	2020	40	200	35	1166
500C	4/6/8	900	1600	42	260	1120	1835	2645	500	2225	40	250	42	1276
560C	4/6/8	1060	1800	42	265	1234	2170	3025	560	2440	55	280	42	1595

Frame	Poles	Shaft End							Ball Bearing		Dimension AD / AD_1	
		E	ES	D	G	GD	F	d1	DE	NDE	6kV	10kV
450C	4/6/8	210	160	110	100	16	28	M24×3.0	6324	6324	935	1200
500C	4/6/8	250	200	140	128	20	36	M30×3.5	6230	6230	990	1255
560C	4/6/8	300	240	170	157	22	40	M36×4.0	6236	6236	1050	1310

Note:
- AD Dimension for 6kV Cast Iron Terminal box
- AD1 Dimension for 10kV Steel Plate Terminal box

Global presence is essential, as much as understanding your needs.

Global Presence

With more than 40.000 employees worldwide, WEG is one of the largest electric motors, electronic equipments and systems manufacturers. We are constantly expanding our portfolio of products and services with expertise and market knowledge. We create integrated and customized solutions ranging from innovative products to complete after-sales service.

WEG's know-how guarantees our ***W60 GP three-phase induction motor*** is the right choice for your application and business, assuring safety, efficiency and reliability.

Availability is to have a global support network

Partnership is to create solutions that suits your needs

Competitive edge is to unite technology and inovation

SERVICE

Driving efficiency and sustainability

From our wide Services portfolio, stands out the list of interventions on products from WEG activity areas: Electric Motors, Energy and Automation, being the most common:

	Products		Procedure	
	Automation	Motor	Internal	External
General Repair and overhaul	X	X	X	X
Product repair that may include the replacement of the components by original parts	X	X	X	X
Commissioning and start up	X	X		X
Repair of electrical machines (Ex and Safety)		X	X	X
Inspection and/or replacement of sleeve bearing or bearings		X	X	X
Repair of the sleeve bearings shell		X	X	X
High, Medium and Low Voltage rewinding		X	X	
Stator or rotor core replacement		X	X	
Brushes and brushes holder replacement		X	X	X
Shaft complete replacement or repair of shafts with grinding finishing of complete rotor		X	X	
Dynamic balancing of rotor (Maximum speed 1600 rpm 20T)		X	X	
Field dynamic balancing		X		X
Centring service		X		X
Painting (standard and special plan)		X	X	X
Inspection, tests and technical analysis	X	X	X	X
Energy Efficiency Study	X	X		X
Training of product maintenance	X	X		X

Inspection, Tests and Technical Analyses

From all the inspections, tests and technical analyses we have capacity to offer, we emphasize the following:

- Production and expedition of spare parts to all over the world;
- Application diagnosis on site or in our factory;
- Technical advise on best, reliable and efficient solutions on energy saving.

Automation

- Analysis of application improvements and technical assessment to the client, helping on the choice of the most appropriate equipment, targeting the application/optimizing installation efficiency
- Manufacturing, Installation, Modification, Start-Up and Maintenance of Electrical Panels
- Support on the settings parametrization of Variable Speed Drives and Soft Starters
- Commissioning and Start-Up of applications with Variable Speed Drives
- WEG Products Training

Electric Motors

- Commissioning and Start-Up of applications with electric motors
- Alignment applications with electric motors
- Vibration analysis and failures diagnosis
- Dimensional check of Electric Motors and Components/Spare Parts
- Electric Motors maintenance
- Electric Motors Mechanical and Electrical refurbishment:
  - Replacement of bearings / sleeve bearings
  - Recovery of sleeve bearings
  - Rewinding of Electric Motors (stator/rotor) - in Low, Medium and High Voltage (up to 11kV)
  - Recover / Refurbishment / replacement of spare parts
  - Replacement of rotor shafts
  - Repair and replacement of accessories, temperature sensors and anti-condensation heaters and other auxiliaries
- Balancing in factory up to 1600 rpm (20T, Ø Max. 4640 mm)
- Dynamic balancing on site
- Electric Motors modification to new operating conditions (IP protection, cooling system, auxiliaries mounting form, terminal boxes, external loads, etc)
- Painting and finishing recovery
- Customer training on electric motors
- Repair electric machines (Ex and Safety)
- Energy analysis and efficiency of electric motors

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