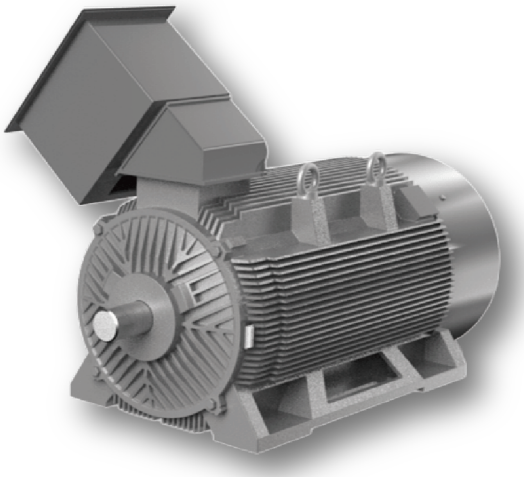
High Power Density
IEC General Purpose Motor

AFJN / AFJP Series



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Together, we empower the Future

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High Power Density IEC General Purpose Motor

We enhanced the power density of the High Power Density IEC General Purpose Motor series by up to 35% compared to the previous model. This improvement allows the new motors to deliver more power in a more compact size, saving space and simplifying installation.

Additionally, the power density of the new model is 10% – 15% higher than that of competing products on the market.

- Optimal material utilization makes the motor 20% lighter than the previous generation without compromising structural integrity.
- Electrical optimization improves performance and efficiency, significantly reducing operating costs.
- Thermal system optimization reduces frame size, resulting in a more compact and efficient design.

Reasons for AFJN / AFJP series

High Efficiency

Carbon Reduction

Low Noise

Energy Savings

Eco Friendly

Features AFJN 400-440V

Design Standard	IEC
Voltage	400V, 440V
Frequency	50HZ (400V), 60HZ (440V)
Output Range	160 - 800 kW (215 - 1070 HP)
R.P.M. (SYN.)	3000 - 750 R.P.M. (2 - 8 Pole) 50HZ; 3600 - 900 R.P.M. (2 - 8 Pole) 60HZ
Time Duty	CONTINUOUS S.F. 1.0 (S1, MCR)
Frame Size	315CA - 400DB
Protection Enclosure	IP54 ; Option: IP55, IP56, IP66
Cooling Method	Self external fan, surface cooling (IC 411)
Ambient Temperature	-20 to 40°C
Altitude	Less than 1000 meters
Drive Method	Direct Coupling
Direction of Rotation	Counter-clockwise facing the drive end, available for bi-directional except 2 pole
Frame	High grade cast iron
End Bracket	High grade cast iron
External Fan	Aluminum or steel plate except 2 pole which is reinforced plastic
Fan Cover	Steel plate fabricated
Bearing	Bracket mounting, vacuum de-gassed high quality rolling bearings with regrease provisions
Stator Insulation	Class F insulation system
Nameplate	Stainless steel plate

Design Standard	IEC
Voltage	3000V, 3300V
Frequency	50HZ or 60HZ (Rated Sinusoid or PWM power source)
Output Range	110 - 1600 kW (150 - 2145 HP)
R.P.M. (SYN.)	3000 - 750 R.P.M. (2 - 8 Pole) 50HZ; 3600 - 900 R.P.M. (2 - 8 Pole) 60HZ
Time Duty	SINEWAVE: CONTINUOUS S.F. 1.15 (S1, MCR) VFD: CONTINUOUS S.F. 1.0 (S1, MCR)
Frame Size	315C - 500D
Protection Enclosure	IP54 ; Option: IP55, IP56, IP66
Cooling Method	Self external fan, surface cooling (IC 411)
Ambient Temperature	-20 to 40°C
Altitude	Less than 1000 meters
Drive Method	Direct Coupling
Direction of Rotation	Counter-clockwise facing the drive end, available for bi-directional except 2 pole
Frame	High grade cast iron
End Bracket	High grade cast iron
External Fan	Aluminum except 2 pole which is reinforced plastic
Fan Cover	Steel plate fabricated
Bearing	Bracket mounting, vacuum de-gassed high quality rolling bearings with regrease provisions
Stator Insulation	Class F insulation system
Nameplate	Stainless steel plate

Features AFJP 6000-6600V

Design Standard	IEC
Voltage	6000V, 6600V
Frequency	50HZ or 60HZ (Rated Sinusoid or PWM power source)
Output Range	150 - 1500 kW (205 - 2000 HP)
R.P.M. (SYN.)	3000 - 750 R.P.M. (2 - 8 Pole) 50HZ; 3600 - 900 R.P.M. (2 - 8 Pole) 60HZ
Time Duty	SINEWAVE: CONTINUOUS S.F. 1.15 (S1, MCR) VFD: CONTINUOUS S.F. 1.0 (S1, MCR)
Frame Size	315CA - 500DB
Protection Enclosure	IP54 ; Option: IP55, IP56, IP66
Cooling Method	Self external fan, surface cooling (IC 411)
Ambient Temperature	-20 to 40°C
Altitude	Less than 1000 meters
Drive Method	Direct Coupling
Direction of Rotation	Counter-clockwise facing the drive end, available for bi-directional
Frame	High grade cast iron
End Bracket	High grade cast iron except F#450D 2 pole 60Hz which is high grade cast iron or steel plate fabricated
External Fan	Aluminum or steel plate or high grade cast iron except 2 pole which is reinforced plastic
Fan Cover	Steel plate fabricated
Bearing	Bracket mounting, vacuum de-gassed high quality rolling bearings with regrease provisions or sleeve bearing lubricated by oil ring
Stator Insulation	Class F insulation system
Nameplate	Stainless steel plate

Applications

AFJN/AFJP series can be used in a wide range of equipment such as blowers, fans, compressors, blenders, and pumps.

2 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
250	335	2977	315CA	95.9	95.9	95.4	87.7	86.8	81.6	429	710	3046	100	200	8.8	72	1550
260	350	2977	315CA	95.9	95.9	95.4	87.4	86.2	80.3	448	711	3183	100	200	8.8	75	1550
280	375	2978	315CA	95.9	95.9	95.4	87.9	86.7	80.9	480	711	3410	100	200	9.5	79	1580
300	400	2978	315CA	96	96	95.5	88.1	86.7	80.8	512	710	3637	100	200	10.2	84	1630
315	425	2979	315CA	96.1	96.1	95.6	87.4	85.4	78.3	541	714	3865	100	200	10.2	88	1630
340	450	2978	315DA	96.1	96.1	95.6	88.8	87.8	82.8	575	711	4092	100	200	11.4	93	1840
355	475	2979	315DA	96.2	96.2	95.7	89	87.7	82.2	599	721	4319	120	220	12.4	97	1890
375	500	2979	315DA	96.2	96.2	95.7	89.2	88	82.7	631	721	4547	120	220	13.1	102	1940
400	535	2979	315DA	96.3	96.3	95.8	89.4	88.3	83.2	671	725	4865	120	220	13.9	108	1970
425	570	2979	315DA	96.3	96.3	95.8	89.5	88.4	83.3	712	728	5183	120	220	14.6	114	2010
450	600	2979	315DA	96.3	96.3	95.8	89.6	88.4	83.1	753	730	5493	120	220	15.3	119	2050
475	635	2978	355CA	96.4	96.4	95.9	90.4	89.9	85.8	786	734	5774	100	200	24	124	2430
500	670	2979	355CA	96.4	96.4	95.9	90.6	90	85.9	827	737	6092	100	200	25.2	130	2520
530	710	2978	355CA	96.4	96.4	95.9	90.3	89.9	86	878	735	6456	110	200	25.2	137	2530
560	750	2983	400DA	96.5	96.5	96	88	86.8	80.8	952	716	6820	140	220	33.5	143	3190
600	800	2984	400DA	96.6	96.6	96.1	88	86.7	80.4	1019	714	7275	140	220	35.8	151	3250
630	845	2984	400DA	96.6	96.6	96.1	88.9	87.8	82.5	1058	726	7684	150	230	40.2	157	3390
650	870	2986	400DA	96.6	96.6	96.1	88.5	86.7	80	1097	721	7911	140	230	42.5	161	3460
670	900	2985	400DA	96.7	96.7	96.2	88.6	87	81	1129	725	8184	150	230	42.5	165	3510
710	950	2984	400DA	96.7	96.7	96.2	88.7	87.3	81.4	1195	724	8657	140	230	42.5	173	3520

NOTE:
1. Efficiencies according to IEC 60034-2-1; stray load losses determined by statical evaluation of measurements.
2. Tolerance: IEC 60034.
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinusoidal power, not suitable for PWM power.
6. The voltage and frequency combinations not included in performance data are quoted case by case.

4 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
250	335	1486	315CB	96	95.8	95.6	86.2	83.6	76	436	699	3046	120	230	22.6	524	1580
260	350	1487	315CB	96	95.8	95.6	86	83.1	75	455	700	3183	130	240	25.5	545	1650
280	375	1486	315CB	96	95.8	95.6	87.1	84.9	78.2	484	705	3410	120	230	26	579	1650
300	400	1487	315CB	96	95.8	95.6	86.7	84.2	76.8	520	699	3637	120	230	27.2	614	1690
315	425	1487	315CB	96	95.8	95.6	86.6	83.9	76.3	547	707	3865	130	240	28.9	648	1740
340	450	1487	315CB	96	95.8	95.6	86.9	84.3	77.1	588	696	4092	120	230	30.1	681	1760
355	475	1486	315DB	96	95.8	95.6	87	84.6	77.5	613	704	4319	130	240	31.3	715	1940
375	500	1487	315DB	96	95.8	95.6	87.3	84.9	77.8	646	704	4547	130	240	34.1	748	1990
400	535	1487	315DB	96	95.8	95.6	87.3	84.6	77.4	689	706	4865	130	240	37	794	2060
425	570	1487	315DB	96	95.8	95.6	87.4	84.9	77.8	731	709	5183	130	240	38.8	839	2110
450	600	1487	315DB	96	95.8	95.6	87.4	84.9	77.7	774	705	5456	130	240	40.5	878	2110
475	635	1487	355CB	96.1	95.9	95.7	85.2	81.8	73.4	838	689	5774	120	220	45	922	2410
500	670	1487	355CB	96.1	95.9	95.7	85.3	82	73.7	880	692	6092	110	210	47.4	966	2470
530	710	1487	355CB	96.3	96.1	95.9	85.3	82	73.6	931	693	6456	120	220	49.8	1060	2520
560	750	1487	355CB	96.3	96.1	95.9	85.7	82.5	74.4	980	696	6820	120	220	52.9	1065	2570
600	800	1488	355CB	96.3	96.1	95.9	85.2	81.7	73.2	1055	689	7275	120	220	55.3	1126	2640
630	845	1488	400DB	96.4	96.2	96	86.2	83.5	75.7	1094	702	7684	140	220	70.2	1168	3380
650	870	1489	400DB	96.4	96.2	96	85.9	82.9	73.8	1133	698	7911	140	230	74.2	1196	3450
670	900	1488	400DB	96.5	96.3	96.1	86.1	83.2	74.5	1164	703	8184	140	220	77.3	1232	3490
710	950	1488	400DB	96.5	96.3	96.1	86.5	83.9	76.2	1227	705	8657	150	230	80.3	1291	3600
750	1000	1489	400DB	96.6	96.4	96.2	86.2	83.3	74.5	1299	703	9139	150	230	85.3	1351	3680

NOTE:

1. Efficiencies according to IEC 60034-2-1; stray load losses determined by statical evaluation of measurements.
2. Tolerance: IEC 60034.
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinusoidal power, not suitable for PWM power.
6. The voltage and frequency combinations not included in performance data are quoted case by case.

6 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
200	268	989	315CB	95.8	95.6	95.4	82.5	78.9	69.1	365	667	2437	130	230	36.1	875	1650
220	300	989	315CB	95.8	95.6	95.4	82.3	79	69.2	403	677	2728	130	230	40.1	1091	1720
250	335	988	315CB	95.8	95.6	95.4	83.1	79.8	70.6	453	672	3046	130	230	44.1	1159	1790
260	350	988	315CB	95.8	95.6	95.4	83.2	80.3	71.6	471	676	3183	130	230	44.1	1217	1790
280	375	988	315DB	95.8	95.6	95.4	83.6	80.6	72	506	674	3410	130	230	46.6	1199	1970
300	400	987	315DB	95.8	95.6	95.4	83.5	80	70.8	543	670	3637	130	230	49	1253	2010
315	425	988	315DB	95.8	95.6	95.4	83.6	81.1	72.7	567	681	3865	130	230	51.4	1339	2050
340	450	988	315DB	95.8	95.6	95.4	83.7	81	72.4	612	669	4092	130	230	55.4	1382	2120
355	475	988	315DB	95.8	95.6	95.4	83.8	81.3	73	638	677	4319	130	230	57.8	1462	2170
375	500	988	315DB	95.8	95.6	95.4	83.6	81.4	73.2	676	673	4547	130	230	60.2	1678	2220
400	535	989	355CB	95.8	95.6	95.4	82.5	79.3	70.1	731	666	4865	100	200	58.3	1631	2410
425	570	990	355CB	95.8	95.6	95.4	81.9	78	67.8	782	663	5183	110	220	65.4	1771	2520
450	600	990	355CB	95.8	95.6	95.4	82	78.1	68.1	827	660	5456	110	220	68.5	1940	2580
475	635	990	355CB	95.9	95.7	95.5	82	78.1	68	872	662	5774	110	220	71.6	2005	2620
500	670	990	355CB	95.9	95.7	95.5	82.3	78.9	68.9	914	666	6092	110	220	75.7	2430	2710
530	710	990	400DB	96	95.8	95.6	83.8	81.1	72.2	951	679	6459	140	220	90.9	2664	3470
560	750	990	400DB	96	95.8	95.6	83.5	80.6	71.4	1008	687	6926	140	210	94.6	2797	3520
600	800	990	400DB	96.1	95.9	95.7	84.2	81.8	73.4	1070	680	7275	140	210	101.9	2961	3630
630	845	990	400DB	96.1	95.9	95.7	81.9	77.8	66.9	1156	709	8191	140	220	101.9	3105	3640
650	870	990	400DB	96.2	96	95.8	83.7	81.1	72.2	1165	679	7911	150	220	105.6	3186	3710

NOTE:

1. Efficiencies according to IEC 60034-2-1; stray load losses determined by statical evaluation of measurements.
2. Tolerance: IEC 60034.
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4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinusoidal power, not suitable for PWM power.
6. The voltage and frequency combinations not included in performance data are quoted case by case.

8 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
160	215	738	315CB	94.3	94.1	93.9	75.9	70.9	58.9	323	606	1955	110	210	32.2	1778	1570
185	250	739	315CB	94.6	94.4	94.2	75.5	70.3	57.8	374	608	2273	110	210	37.1	1814	1650
200	268	739	315CB	94.6	94.4	94.2	75.7	70.4	57.9	403	604	2437	110	210	41.1	2066	1720
220	300	739	315CB	94.6	94.4	94.2	76.1	71	57.7	441	619	2728	110	210	45.9	2362	1800
250	335	739	315DB	94.7	94.5	94.3	76.5	70.3	57.9	498	611	3046	110	210	54	2765	2070
260	350	740	315DB	94.9	94.7	94.5	75.6	69	56.1	523	609	3183	120	230	57.2	2804	2120
280	375	740	315DB	95	94.8	94.6	75.3	68.5	55.4	565	604	3410	120	230	61.2	2945	2200
300	400	740	355CB	95.1	94.9	94.7	75.7	70.6	57.4	602	605	3637	150	220	67.8	2894	2360
315	425	740	355CB	95.2	95	94.8	76.4	71.7	59.9	625	618	3865	150	220	74	3164	2450
340	450	740	355CB	95.2	95	94.8	76.6	71.1	59	673	608	4092	150	220	78.9	3233	2520
355	475	740	355CB	95.2	95	94.8	75.6	69.4	56.7	712	613	4362	140	230	83.8	3308	2590
375	500	740	355CB	95.3	95.1	94.9	76.1	70.4	58.2	746	610	4547	150	220	83.8	3510	2590
400	535	740	355CB	95.4	95.2	95	75.5	70.2	56.7	802	607	4865	150	220	90	4126	2680
425	570	741	400DB	95.5	95.3	95.1	76.2	71.3	58.2	843	615	5183	150	230	93.5	4323	3490
450	600	741	400DB	95.5	95.3	95.1	76.7	72.2	59.5	886	616	5456	150	230	98.4	4551	3560
475	635	740	400DB	95.6	95.4	95.2	77.5	72.9	61.6	925	624	5774	140	220	104.6	4778	3680
500	670	741	400DB	95.6	95.4	95.2	75.2	69.9	57.6	1004	607	6092	140	220	104.6	5004	3680
530	710	740	400DB	95.6	95.4	95.2	77.9	73.9	63.3	1028	628	6456	130	210	109.5	5272	3760

NOTE:

1. Efficiencies according to IEC 60034-2-1; stray load losses determined by statical evaluation of measurements.
2. Tolerance: IEC 60034.
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinusoidal power, not suitable for PWM power.
6. The voltage and frequency combinations not included in performance data are quoted case by case.

2 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
260	350	3578	315CA	95.8	95.8	95.3	86.8	85.1	78.7	410	705	2893	100	200	8	47	1500
280	375	3579	315CA	95.9	95.9	95.4	87.3	85.8	79.7	439	707	3100	100	200	8.8	50	1540
300	400	3577	315CA	96	96	95.5	87.5	86.5	80.7	469	706	3307	100	200	8.8	53	1550
315	425	3578	315CA	96	96	95.5	87.8	86.7	80.9	491	716	3513	100	200	9.5	56	1590
340	450	3579	315CA	96.1	96.1	95.6	87.4	85.8	79.3	531	701	3720	100	200	9.5	59	1580
355	475	3578	315CA	96.1	96.1	95.6	88.2	86.9	81.1	550	714	3927	100	200	10.2	62	1630
375	500	3578	315DA	96.1	96.1	95.6	89.3	88.7	84.2	573	721	4133	100	200	12.4	65	1880
400	535	3579	315DA	96.1	96.1	95.6	89.2	88.3	83.3	612	722	4423	100	200	12.4	68	1890
425	570	3579	315DA	96.1	96.1	95.6	89.3	88.6	83.8	650	725	4712	100	200	13.1	72	1940
450	600	3579	315DA	96.2	96.2	95.7	89.5	88.7	83.9	686	723	4960	100	200	13.9	75	1970
475	635	3581	315DA	96.2	96.2	95.7	89.7	88.4	82.9	722	787	5682	110	210	15.3	79	2040
500	670	3580	315DA	96.2	96.2	95.7	89.7	88.7	83.6	760	749	5689	110	210	15.3	82	2070
530	710	3578	355CA	96.2	96.2	95.7	91	90.7	87.2	794	739	5869	110	210	24	86	2470
560	750	3579	355CA	96.3	96.3	95.8	91.2	90.8	87.3	837	748	6264	100	200	25.2	90	2520
600	800	3577	355CA	96.3	96.3	95.8	91	90.9	87.6	899	736	6613	100	200	25.2	95	2520
630	845	3583	400DA	96.4	96.4	95.9	89	88.4	83.7	964	725	6985	140	210	36.3	99	3270
650	870	3584	400DA	96.4	96.4	95.9	89	87.9	82.4	994	723	7192	140	210	38	101	3310
670	900	3584	400DA	96.4	96.4	95.9	89	88	82.6	1025	726	7440	140	210	38	104	3300
710	950	3585	400DA	96.5	96.5	96	88.9	87.6	81.7	1086	723	7853	150	220	40.2	108	3440
750	1000	3586	400DA	96.5	96.5	96	89.4	88.7	84.1	1141	725	8267	150	220	42.5	113	3530
800	1070	3585	400DA	96.5	96.5	96	89.1	87.8	82.1	1221	724	8845	140	200	44.1	119	3550

NOTE:
1. Efficiencies according to IEC 60034-2-1; stray load losses determined by statical evaluation of measurements.
2. Tolerance: IEC 60034.
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinusoidal power, not suitable for PWM power.
6. The voltage and frequency combinations not included in performance data are quoted case by case.

4 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
280	375	1787	315CB	96.2	96	95.8	85.8	83	74.1	445	697	3100	120	230	22.6	371	1570
300	400	1787	315CB	96.2	96	95.8	86.6	84.1	75.8	473	700	3307	130	240	25.5	393	1640
315	425	1787	315CB	96.2	96	95.8	85.8	82.8	73.6	501	701	3513	120	230	25.5	411	1640
340	450	1788	315CB	96.2	96	95.8	85.7	82.5	72.9	541	687	3720	120	230	27.2	440	1680
355	475	1788	315CB	96.2	96	95.8	84.3	80.1	69.4	574	684	3927	130	240	27.2	456	1680
375	500	1788	315CB	96.3	96.1	95.9	85.5	82.1	72.6	598	691	4133	120	230	28.9	479	1720
400	535	1786	315CB	96.3	96.1	95.9	87.1	85	77.5	626	707	4423	130	240	30.1	506	1750
425	570	1788	315DB	96.3	96.1	95.9	86	82.8	73.5	674	699	4712	130	240	33	533	1950
450	600	1788	315DB	96.3	96.1	95.9	86.3	83.3	74.2	711	698	4960	130	240	34.7	560	1990
475	635	1787	315DB	96.3	96.1	95.9	86.6	83.9	75.3	747	703	5249	130	240	37	587	2040
500	670	1787	315DB	96.3	96.1	95.9	86.6	83.8	75.1	787	704	5539	130	240	38.8	614	2100
530	710	1788	315DB	96.3	96.1	95.9	86.4	83.5	74.5	836	702	5869	120	220	40.5	645	2130
560	750	1788	355CB	96.4	96.2	96	85.8	82.8	73.7	888	698	6200	110	210	49.8	675	2490
600	800	1788	355CB	96.4	96.2	96	86	83.2	74.3	949	697	6613	120	220	52.9	716	2580
630	845	1788	355CB	96.4	96.2	96	86.3	83.8	75.5	993	703	6985	120	220	52.9	746	2580
650	870	1788	355CB	96.4	96.2	96	85.6	82.5	73.2	1034	699	7221	120	220	55.3	767	2610
670	900	1788	355CB	96.4	96.2	96	85.8	82.9	74	1063	700	7440	120	220	55.3	786	2620
710	950	1788	400DB	96.5	96.3	96.1	87.1	84.5	76.8	1108	722	7999	140	220	77.3	825	3490
750	1000	1788	400DB	96.5	96.3	96.1	87.8	86.1	79.5	1161	712	8267	140	220	80.3	863	3580
800	1070	1788	400DB	96.5	96.3	96.1	87.8	86	79.2	1239	714	8845	130	210	85.3	911	3660

NOTE:
1. Efficiencies according to IEC 60034-2-1; stray load losses determined by statical evaluation of measurements.
2. Tolerance: IEC 60034.
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinusoidal power, not suitable for PWM power.
6. The voltage and frequency combinations not included in performance data are quoted case by case.

6 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
220	300	1189	315CB	95.8	95.6	95.4	83.8	81.3	72.7	360	690	2480	120	220	36.1	699	1650
250	335	1188	315CB	95.8	95.6	95.4	83.4	80.9	73	410	675	2769	120	220	36.1	785	1650
260	350	1188	315CB	95.9	95.7	95.5	83.9	81.5	73.8	424	682	2893	120	220	40.1	814	1720
280	375	1188	315CB	95.9	95.7	95.5	83.3	80.4	72.1	460	674	3100	120	220	40.1	870	1720
300	400	1188	315CB	95.9	95.7	95.5	82.4	78.8	69.7	498	664	3307	120	220	40.1	926	1720
315	425	1188	315CB	95.9	95.7	95.5	83.4	80.7	72.7	517	680	3513	130	230	44.1	967	1790
340	450	1188	315DB	96	95.8	95.6	84.2	82.3	75.3	552	674	3720	120	220	49	1036	2010
355	475	1188	315DB	96	95.8	95.6	83.4	80.7	72.6	582	675	3927	120	220	49	1076	2010
375	500	1188	315DB	96	95.8	95.6	84.5	82.7	75.9	607	681	4133	120	220	55.4	1130	2120
400	535	1188	315DB	96.1	95.9	95.7	84.7	83.3	76.5	645	686	4423	100	200	57.8	1197	2170
425	570	1187	315DB	96.1	95.9	95.7	84.7	83.4	76.7	685	688	4712	110	220	60.2	1264	2210
450	600	1190	355CB	96.1	95.9	95.7	82.2	78.7	68.5	747	664	4960	110	220	58.3	1329	2400
475	635	1190	355CB	96.1	95.9	95.7	83.4	80.6	71.5	777	675	5249	100	200	62.4	1394	2470
500	670	1189	355CB	96.1	95.9	95.7	83.6	80.9	72	816	678	5539	100	220	65.4	1457	2530
530	710	1190	355CB	96.1	95.9	95.7	83.3	80.1	70.5	869	676	5877	110	220	71.6	1534	2630
560	750	1189	355CB	96.2	96	95.8	83.5	80.8	71.8	914	678	6200	110	220	71.6	1611	2640
600	800	1190	355CB	96.2	96	95.8	80.9	76.4	64.9	1012	705	7137	110	220	75.7	1710	2700
630	845	1190	400DB	96.2	96	95.8	84.4	81.9	73.4	1018	709	7221	160	210	94.6	1784	3510
650	870	1189	400DB	96.2	96	95.8	85.4	83.8	77	1039	692	7192	160	210	98.3	1833	3570
670	900	1190	400DB	96.2	96	95.8	84.9	82.8	75	1077	697	7507	160	210	101.9	1882	3630
710	950	1190	400DB	96.2	96	95.8	84.3	81.7	73	1148	720	8263	160	210	105.6	1979	3680

NOTE:

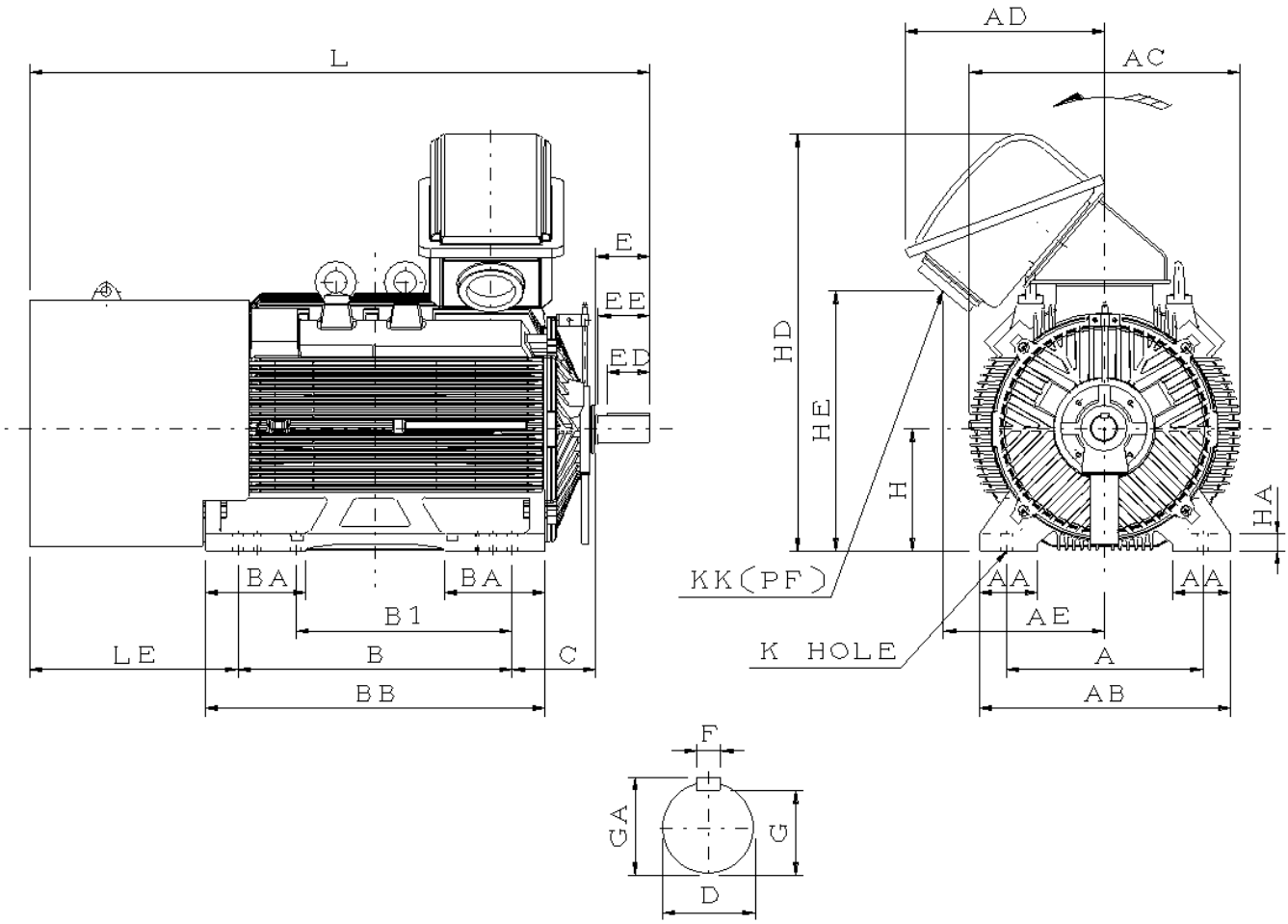
1. Efficiencies according to IEC 60034-2-1; stray load losses determined by statical evaluation of measurements.
2. Tolerance: IEC 60034.
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinusoidal power, not suitable for PWM power.
6. The voltage and frequency combinations not included in performance data are quoted case by case.

8 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
185	250	890	315CB	95	94.8	94.6	71.6	64.4	50.4	357	580	2067	110	210	32.2	1298	1560
200	268	889	315CB	95	94.8	94.6	75.3	69.2	56.9	367	604	2215	110	210	32.2	1394	1570
220	300	888	315CB	95.1	94.9	94.7	76.3	71.4	59.4	398	623	2480	110	210	37.1	1522	1650
250	335	889	315CB	95.1	94.9	94.7	74.9	68.2	55.2	460	601	2769	110	210	41.1	1704	1720
260	350	888	315CB	95.1	94.9	94.7	79	75.6	65.5	454	637	2893	100	200	45.9	1772	1800
280	375	890	315DB	95.2	95	94.8	76.9	71.5	59	502	618	3100	110	210	54	1896	2070
300	400	889	315DB	95.2	95	94.8	78.4	73.9	62.6	527	627	3307	100	200	57.2	2017	2130
315	425	889	315DB	95.2	95	94.8	78.1	73.3	61.5	556	632	3513	100	220	61.2	2110	2190
340	450	890	355CB	95.2	95	94.8	79.1	76.5	67.1	592	628	3720	120	190	67.8	2260	2360
355	475	889	355CB	95.3	95.1	94.9	79.5	77.2	68.5	615	639	3927	120	190	74	2351	2450
375	500	890	355CB	95.3	95.1	94.9	77.6	73.4	62.1	665	621	4133	130	200	74	2470	2450
400	535	889	355CB	95.4	95.2	95	79.3	76.3	66.6	694	637	4423	120	190	83.8	2617	2590
425	570	890	355CB	95.4	95.2	95	79	75.5	65.3	740	637	4712	130	190	90	2764	2680
450	600	889	355CB	95.4	95.2	95	79.2	76.2	66.6	781	635	4960	120	190	90	2908	2680
475	635	890	400DB	95.4	95.2	95	78.1	74.7	64	837	627	5249	110	200	89.8	2180	3430
500	670	890	400DB	95.4	95.2	95	78.4	74.7	64.1	877	631	5539	110	200	93.5	3195	3480
530	710	890	400DB	95.5	95.3	95.1	78.7	75.3	65.1	926	634	5869	110	190	98.4	3366	3580
560	750	891	400DB	95.5	95.3	95.1	76.5	71.5	60.3	1006	617	6200	130	210	104.6	3535	3660
600	800	891	400DB	95.5	95.3	95.1	76.4	71.3	60	1080	613	6613	130	210	109.5	3758	3750
630	845	890	400DB	95.6	95.4	95.2	77.2	73	61.6	1120	624	6985	130	200	109.5	3923	3750
670	870	890	400DB	95.6	95.4	95.2	76.1	71.7	59.7	1208	595	7192	110	200	114.4	4141	3830

NOTE:

1. Efficiencies according to IEC 60034-2-1; stray load losses determined by statical evaluation of measurements.
2. Tolerance: IEC 60034.
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinusoidal power, not suitable for PWM power.
6. The voltage and frequency combinations not included in performance data are quoted case by case.

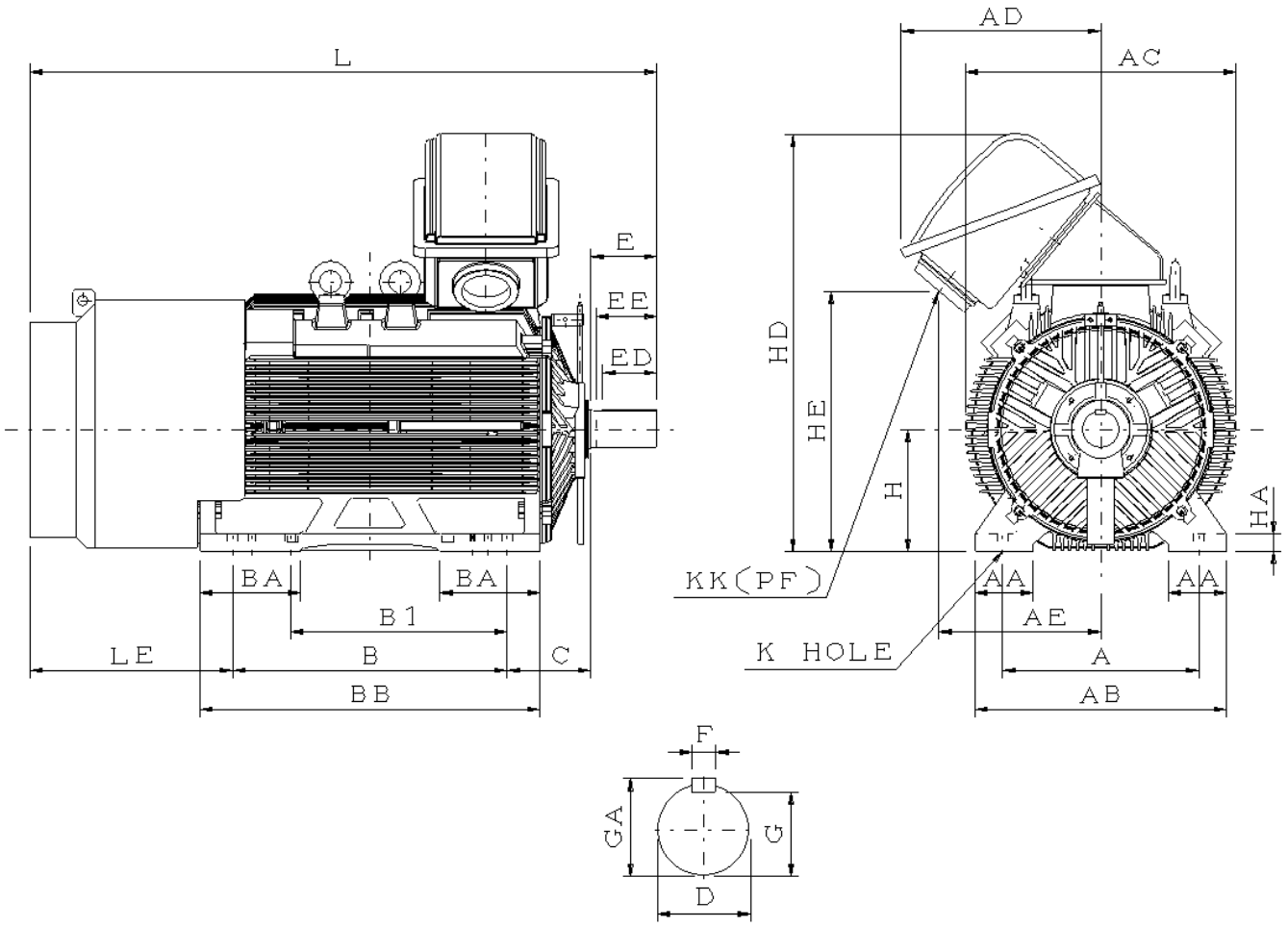


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315CA - 70R	2	508	150	650	701	517	418	710	560	260	880	216	70	140	110	134

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315CA - 70R	20	62.5	74.5	315	45	1079	672	28	4"	1606	540	6315C3	6315C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE



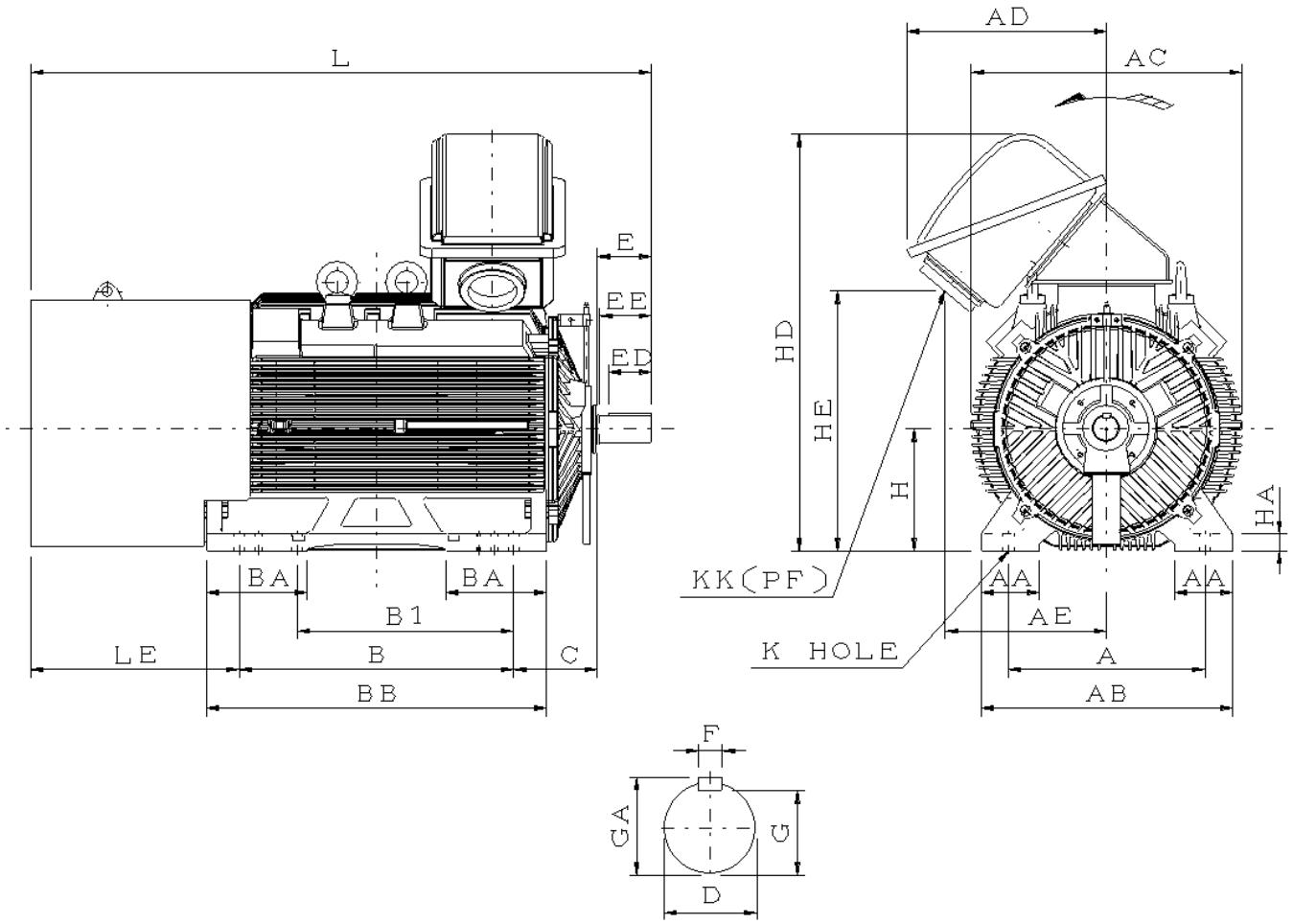
(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315CB - 95R	4 6 8	508	150	650	701	517	418	710	560	260	880	216	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315CB - 95R	25	86	100	315	45	1079	672	28	4"	1621	525	6220	6220

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

AFJN - Frame 315DA - 70R

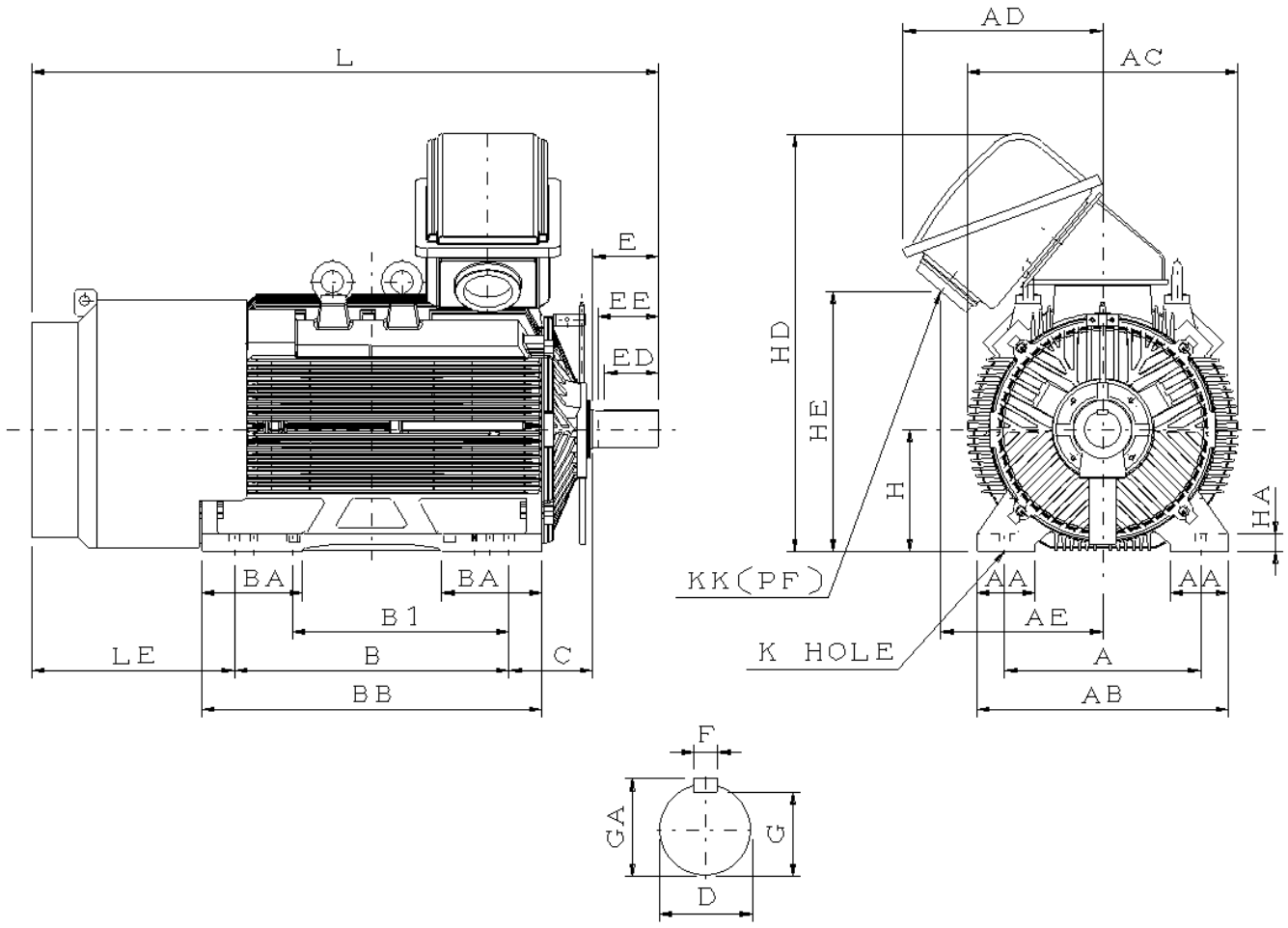


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315DA - 70R	2	508	150	650	701	517	418	910	710	315	1080	216	70	140	110	134

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315DA - 70R	20	62.5	74.5	315	45	1079	672	28	4"	1806	540	6315C3	6315C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

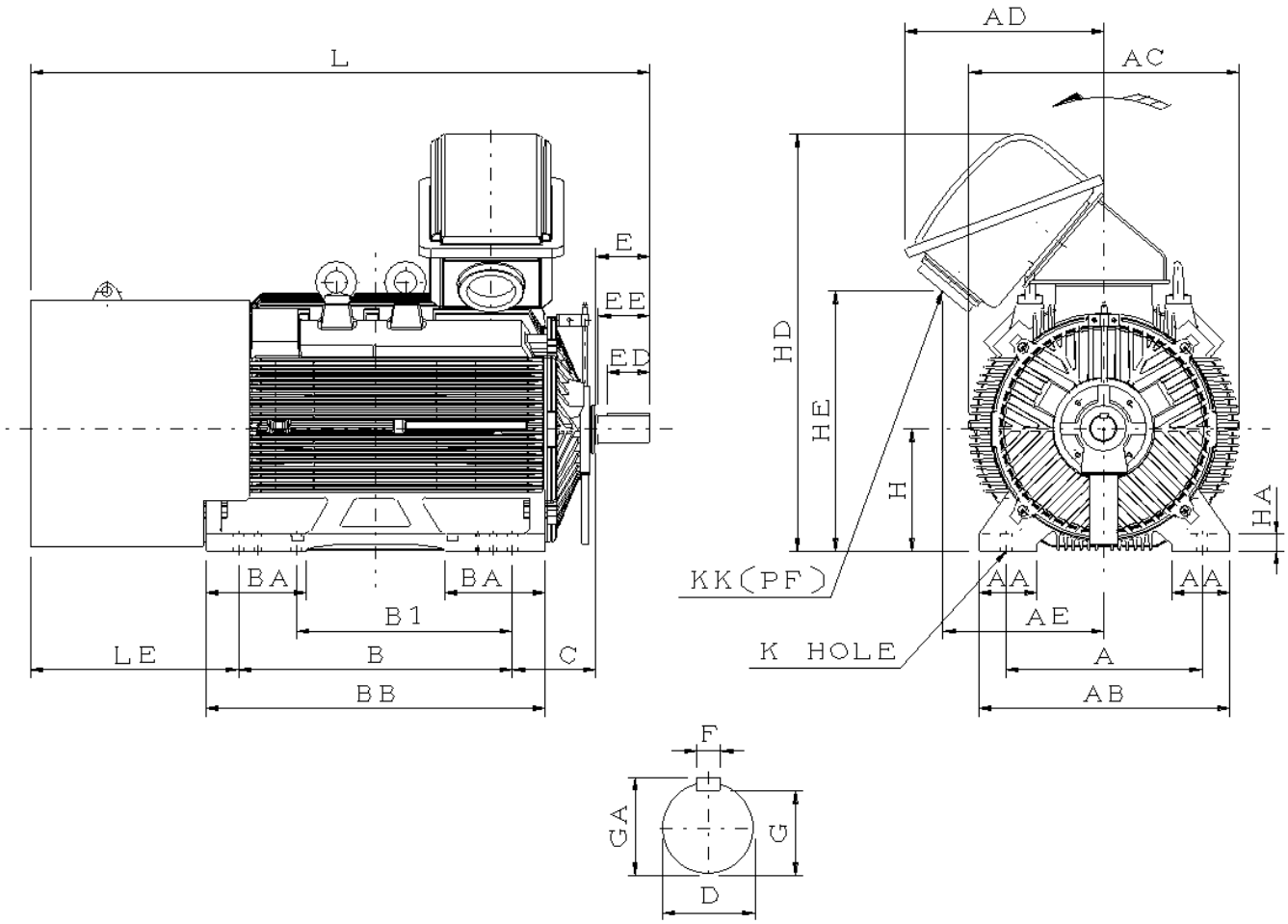


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315DB - 95R	4 6 8	508	150	650	701	517	418	910	710	315	1080	216	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315DB - 95R	25	86	100	315	45	1079	672	28	4"	1821	525	6220	6220

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

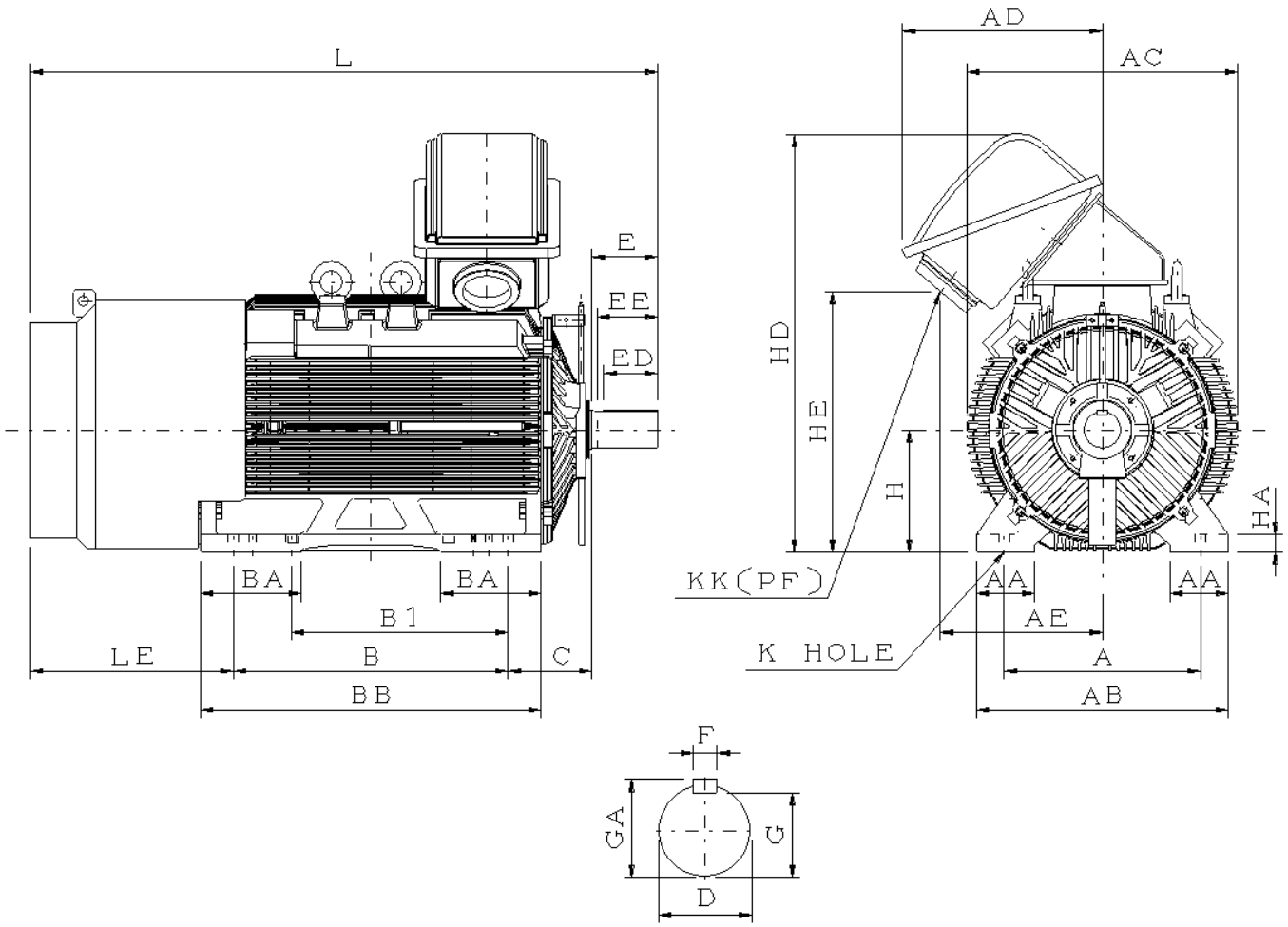


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
355CA - 70R	2	610	160	750	761	517	418	900	-	270	1180	254	70	140	110	134

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
355CA - 70R	20	62.5	74.5	355	45	1169	762	28	5"	1889	595	6315C3	6315C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

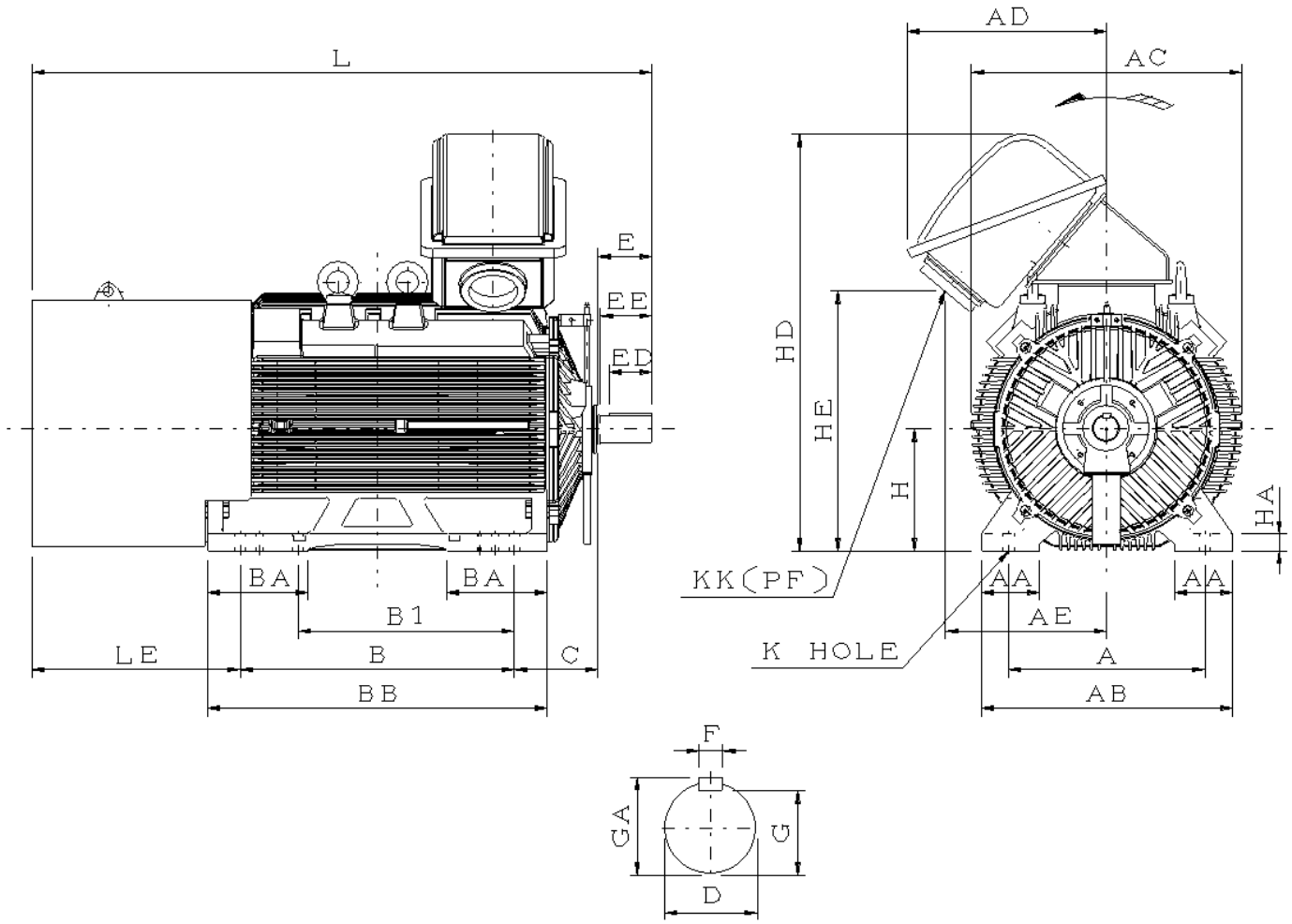


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
355CB - 95R	4 6 8	610	160	750	761	517	418	900	-	270	1180	254	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
355CB - 95R	25	86	100	355	45	1169	762	28	5"	1894	570	6222	6220

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

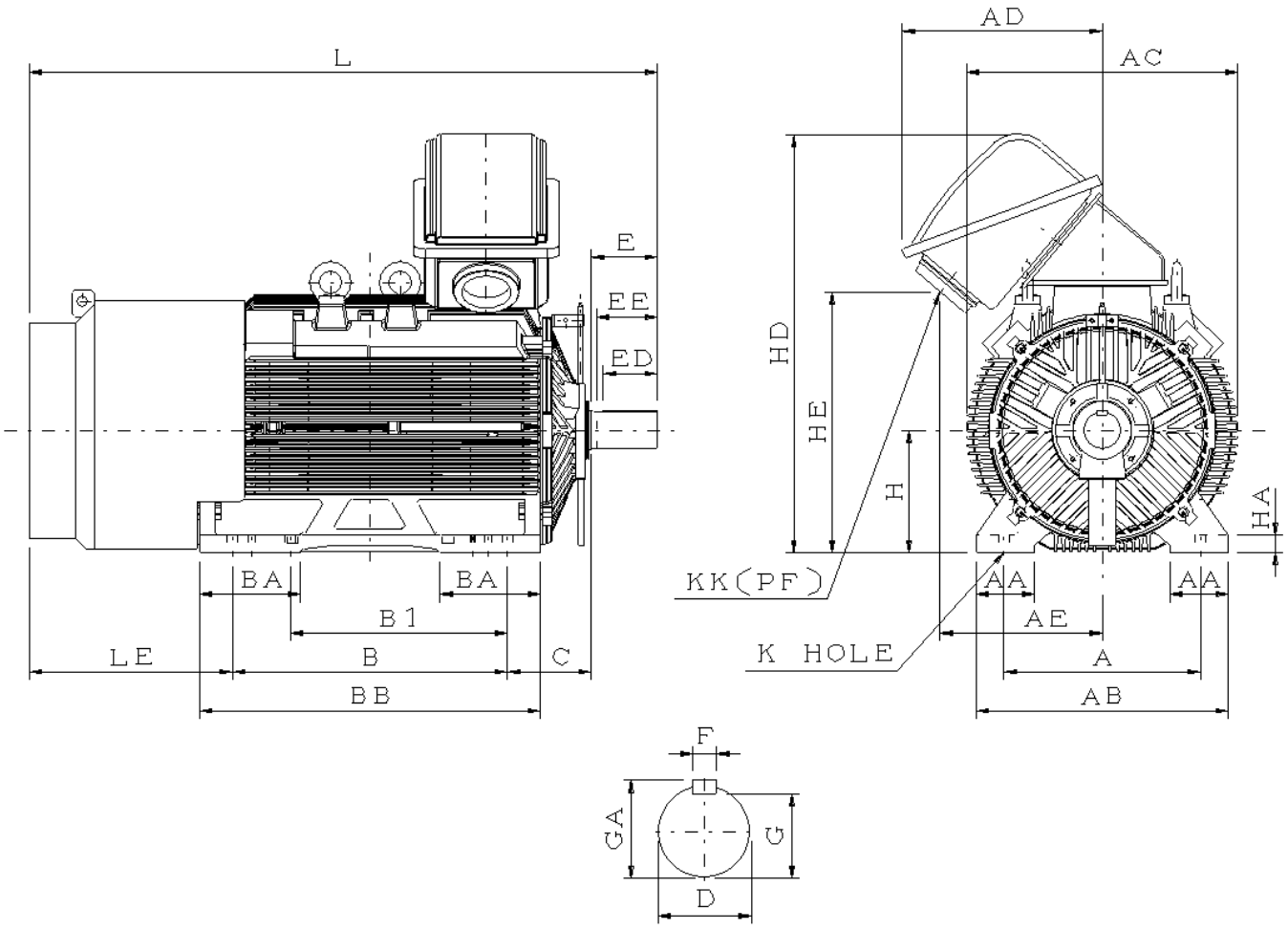


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
400DA - 85R	2	686	250	890	810	517	418	1120	1000	370	1430	280	85	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
400DA - 85R	22	76	90	400	45	1244	837	35	5"	2245	675	6218C3	6218C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE



(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
400DB - 125R	4 6 8	686	250	890	810	517	418	1120	1000	370	1430	280	125	210	160	197

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
400DB - 125R	32	114	132	400	45	1244	837	35	5"	2240	630	6226	6222

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

2 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
160	215	2975	315C	94.7	94.6	94.2	86	83	77	38	690	261	80	200	6.1	43	1300
185	250	2977	315C	95	94.9	94.5	86	83	77	44	695	303	90	200	6.9	49	1350
200	268	2978	315C	95.2	95.1	94.7	87	84	78	46	699	325	90	220	7.8	52	1410
220	300	2979	315C	95.4	95.3	94.9	87	84	78	51	714	364	90	200	8.8	58	1460
250	335	2978	315C	95.5	95.4	95	89	86	80	57	717	406	90	220	9.8	64	1520
280	375	2979	315D	95.7	95.6	95.2	89	86	80	63	719	455	90	210	11.3	70	1770
315	425	2979	315D	95.9	95.8	95.4	90	87	81	70	733	515	90	210	13	78	1880
355	475	2976	315D	96.2	96.1	95.7	90	87	81	79	730	576	80	200	14.7	86	1990
400	535	2979	355C	96.2	96.1	95.7	89	87	81	90	600	539	70	200	17.1	97	2240
450	600	2979	355C	96.4	96.3	95.9	88	86	79	102	620	633	80	210	19.3	108	2300
500	670	2978	355C	96.5	96.4	96	90	89	85	111	600	665	70	200	21.6	115	2400
530	710	2978	355C	96.5	96.4	96	91	90	85	116	590	685	70	200	22.7	122	2450
560	750	2979	355C*	96.6	96.5	96.1	91	90	83	123	580	711	70	200	24.9	130	2540
600	800	2982	400D	96.6	96.5	96.1	88	87	81	136	714	970	90	200	38.7	131	3360
630	845	2983	400D	96.6	96.5	96.1	88	86	79	143	719	1025	90	200	40.3	137	3420
650	870	2982	400D	96.6	96.5	96.1	88	87	81	147	717	1055	90	200	42	140	3480
670	900	2983	400D	96.7	96.6	96.2	88	87	81	152	720	1091	90	210	43.7	144	3560
750	1000	2986	400D*	96.8	96.7	96.3	89	87	81	168	723	1212	70	200	43.7	156	3720
800	1070	2987	450D*	96.7	96.6	96.2	87	85	78	183	599	1096	70	200	57.2	164	4390
850	1140	2988	450D*	96.7	96.6	96.2	87	85	78	194	621	1208	70	200	60.8	172	4500
900	1200	2987	450D*	96.7	96.6	96.2	87	86	81	206	590	1215	80	200	56.8	209	4610
930	1250	2988	450D*	96.9	96.8	96.4	87	85	78	212	620	1316	80	200	59.2	214	4730
1000	1340	2988	450D*	96.9	96.8	96.4	87	85	78	228	660	1507	80	200	64.4	227	4920
1120	1500	2988	450D*	97	96.9	96.5	87	86	79	255	610	1558	80	200	67.6	247	5020

NOTE:
1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

4 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
160	215	1481	315C	94.2	94.1	93.7	87	85	78	38	695	261	110	200	17.5	362	1400
185	250	1482	315C	94.7	94.6	94.2	87	85	78	43	701	303	130	210	21	414	1490
200	268	1482	315C	94.8	94.7	94.3	88	86	79	46	704	325	130	210	23.3	441	1540
220	300	1481	315C	94.8	94.7	94.3	88	86	79	51	717	364	130	200	26.2	489	1620
250	335	1485	315C	95.2	95.1	94.7	87	85	78	58	699	406	100	210	27.8	537	1670
280	375	1484	315D	95.4	95.3	94.9	88	86	79	64	709	455	100	200	31.3	594	1910
300	400	1484	315D	95.4	95.3	94.9	88	86	79	69	705	485	100	200	33.1	630	1950
315	425	1485	315D	95.5	95.4	95	88	86	79	72	714	515	100	200	34.8	664	1990
335	450	1485	315D	95.6	95.5	95.1	88	86	79	77	712	546	110	200	36.5	698	2030
355	475	1486	315D	95.9	95.8	95.4	87	85	78	82	703	576	120	200	38.3	705	2070
400	535	1484	355C	95.8	95.7	95.3	84	81	72	96	590	564	100	200	35.9	713	2260
450	600	1484	355C	95.9	95.8	95.4	84	80	71	108	610	656	100	200	37.9	788	2370
475	635	1484	355C	96	95.9	95.5	84	81	72	113	610	691	100	200	42	828	2430
500	670	1484	355C	96.2	96.1	95.7	84	81	73	119	610	726	100	200	44	868	2480
530	710	1484	355C	96.2	96.1	95.7	84	81	71	126	610	770	100	200	46	914	2510
560	750	1487	355C*	96.4	96.3	95.9	85	83	75	132	590	776	80	200	49	958	2610
630	845	1486	400D	96.6	96.5	96.1	85	82	75	148	694	1025	130	200	60.8	1062	3560
650	870	1487	400D	96.6	96.5	96.1	84	81	74	154	684	1055	130	200	63.2	1087	3590
710	950	1486	400D	96.7	96.6	96.2	85	82	75	166	693	1152	130	200	67.9	1170	3740
750	1000	1487	400D	96.7	96.6	96.2	84	81	74	178	682	1212	130	200	71.1	1224	3820
800	1070	1490	400D*	96.9	96.8	96.4	87	84	77	183	710	1297	80	200	71.1	1296	3970
900	1200	1489	450D	96.6	96.5	96.1	85	82	75	211	576	1215	90	200	145.3	1330	4760
930	1250	1488	450D	96.6	96.5	96.1	85	82	75	218	600	1308	100	210	150.6	1472	4880
1000	1340	1490	450D	96.7	96.6	96.2	86	84	76	231	630	1458	100	210	155.7	1562	5110
1120	1500	1488	450D*	96.8	96.7	96.3	85	83	74	262	630	1650	100	210	164.8	1710	5350
1250	1675	1492	500D*	96.9	96.8	96.4	86	85	79	289	590	1703	70	200	204.6	1868	7170
1350	1810	1493	500D*	96.9	96.8	96.4	86	84	77	312	600	1871	80	210	221.8	2239	7470
1400	1880	1493	500D*	97	96.9	96.5	86	85	78	323	600	1938	80	210	228.3	2307	7560
1500	2000	1493	500D*	97	96.9	96.5	86	84	75	346	640	2215	90	220	243.3	2417	7830

6 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
150	200	986	315C	94	93.9	93.5	80	75	63	38	630	242	90	200	21.2	1096	1480
160	215	986	315C	94.2	94.1	93.7	80	75	63	41	639	261	90	200	22.9	1172	1530
185	250	986	315C	94.4	94.3	93.9	80	75	63	47	643	303	90	200	24.7	1346	1580
200	268	987	315C	94.6	94.5	94.1	79	74	62	52	631	325	90	200	26.4	1431	1620
220	300	987	315C	94.7	94.6	94.2	79	74	62	57	643	364	90	210	29.4	1586	1700
250	335	987	315D	95	94.9	94.5	79	74	62	64	633	406	100	210	32.9	1753	1920
280	375	988	315D	95	94.9	94.5	79	74	62	72	634	455	100	220	37.6	1938	2030
300	400	988	315D	95.3	95.2	94.8	77	72	60	79	616	485	110	210	40	2054	2080
315	425	991	355C	95.5	95.4	95	80	75	63	79	568	451	100	220	56.2	2136	2390
355	475	991	355C	95.6	95.5	95.1	80	75	64	89	570	509	100	220	59.3	2326	2420
400	535	988	355C	95.6	95.5	95.1	82	80	72	98	540	530	100	200	68.5	2588	2470
425	570	991	355C*	96	95.9	95.5	82	76	67	104	620	644	100	210	72.6	2740	2590
475	635	991	400D	96	95.9	95.5	80	77	67	119	580	690	90	200	90.7	3017	3360
500	670	991	400D	96	95.9	95.5	80	75	66.3	125	590	739	90	210	95.6	3164	3450
560	750	992	400D	96.1	96	95.6	78	74	64.7	144	610	877	90	200	106.7	3496	3570
600	800	992	400D*	96.3	96.2	95.8	81	80	70.4	148	610	903	90	200	106.7	3881	3830
670	900	991	450D	96.3	96.2	95.8	84	81	73	159	600	956	80	200	144.3	4104	4700
750	1000	991	450D	96.4	96.3	95.9	84	81	73	178	590	1052	80	200	158.8	4496	4900
800	1070	991	450D	96.5	96.4	96	85	82	74	188	590	1107	80	200	169.6	4770	5030
850	1140	991	450D	96.5	96.4	96	84	81	73	202	600	1211	90	210	175	5040	5160
900	1200	992	450D	96.6	96.5	96.1	84	80	71	213	610	1302	90	220	191.3	5267	5390
930	1250	993	450D*	96.7	96.6	96.2	83	78	68	223	640	1427	90	210	191.3	5454	5630
1000	1340	994	500D*	96.9	96.8	96.4	85	82	73	234	580	1355	70	200	248	5883	6660
1120	1500	994	500D*	96.9	96.8	96.4	85	82	72	262	600	1570	70	200	278	6475	7010
1250	1675	994	500D*	97	96.9	96.5	85	83	74	292	600	1751	70	200	306	7106	7300
1400	1880	994	500D*	97.2	97.1	96.7	86	83	74	322	600	1934	70	200	343	7824	7770

NOTE:

1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

8 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
110	150	741	315C	93.1	93	92.6	75	69	57	30	600	182	80	190	25.3	1869	1590
132	175	741	315C	93.6	93.5	93.1	75	69	57	36	586	212	80	190	29.4	2156	1690
150	200	740	315C	93.6	93.5	93.1	76	70	58	41	596	242	80	190	31.2	2448	1730
160	215	741	315D	93.8	93.7	93.3	76	70	58	43	604	261	80	190	35.9	2609	1990
185	250	740	315D	93.7	93.6	93.2	76	70	58	50	606	303	80	190	39.5	3008	2040
200	268	740	315D	92.8	92.7	92.3	77	71	59	54	603	325	80	190	41.2	3207	2090
220	300	740	315D	94	93.9	93.5	73	67	55	62	590	364	90	200	41.2	3557	2090
260	350	743	355C	93.9	93.8	93.4	77	71	59	69	613	424	90	200	78.9	4057	2490
300	400	743	355C	94.6	94.5	94.1	78	72	60	78	620	485	90	200	91.2	4583	2660
335	450	743	355C*	95.1	95	94.6	80	74	62	85	644	546	90	200	91.2	5102	2800
400	535	741	400DB	95.1	95	94.6	74	68	56	109	550	602	80	200	99.4	5245	3430
450	600	741	400DB	95.2	95.1	94.7	74	69	56	123	550	676	90	200	111.5	5818	3610
500	670	741	400DB	95.3	95.2	94.8	76	71	59	133	550	731	90	200	131.6	6422	3900
530	710	742	450DB	95.7	95.6	95.2	74	69	56	144	550	792	80	200	149.8	6768	4790
600	800	742	450DB	95.8	95.7	95.3	75	70	57	161	550	884	80	200	176.8	7528	5190
650	870	742	450DB	95.9	95.8	95.4	75	69	56	174	550	957	80	200	189.5	8114	5400
710	950	742	450DB	96	95.9	95.5	75	70	57	190	550	1044	80	200	198.5	8773	5530
750	1000	744	450DB*	96	95.9	95.5	74	69	56	203	550	1117	70	200	198.5	9180	5730
800	1070	744	500DB*	96	95.9	95.5	77	72	59	208	600	1250	80	200	270.3	11058	6810
900	1200	744	500DB*	96.1	96	95.6	78	73	60	231	600	1386	80	200	307.1	12230	7260
1000	1340	744	500DB*	96.2	96.1	95.7	78	73	60	256	600	1539	70	200	356.2	13468	7780
1120	1500	744	500DB*	96.4	96.3	95.9	78	73	60	287	600	1720	70	200	377.7	14854	8040

NOTE:

1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

2 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
185	250	3576	315C	93.9	93.8	93.4	86	84	77	40	689	276	80	200	6.1	35	1310
200	268	3578	315C	94.2	94.1	93.7	86	84	77	43	683	295	90	200	6.9	38	1350
220	300	3578	315C	94.6	94.5	94.1	88	86	79	46	716	331	90	210	7.8	42	1410
250	335	3579	315C	94.8	94.7	94.3	88	86	79	52	704	369	90	220	8.8	46	1460
280	375	3578	315C	95.1	95	94.6	89	87	80	58	714	413	90	210	9.8	51	1520
315	425	3578	315D	95.3	95.2	94.8	89	87	80	65	720	468	90	210	11.3	56	1770
355	475	3579	315D	95.6	95.5	95.1	90	88	81	72	726	524	90	220	13	62	1890
400	535	3576	355C	96.5	96.4	96	89	87	80	81	724	590	70	200	14.7	69	1990
450	600	3578	355C	96.1	96	95.6	89	88	84	92	621	572	70	200	19.3	70	2300
500	670	3577	355C	96.1	96	95.6	89	88	85	102	590	603	70	200	19.3	72	2300
560	750	3578	355C	96.3	96.2	95.8	91	90	86	112	600	671	70	200	22.7	79	2400
600	800	3579	355C*	96.4	96.3	95.9	90	89	85	121	610	738	70	200	22.7	86	2490
630	845	3582	400D	96.6	96.5	96.1	89	87	82	128	726	931	90	200	38.7	100	3360
670	900	3582	400D	96.6	96.5	96.1	89	87	82	136	728	992	90	210	40.3	105	3430
750	1000	3582	400D	96.7	96.6	96.2	89	87	82	152	723	1102	90	210	42	114	3480
800	1070	3583	400D*	96.8	96.7	96.3	88	86	80	164	718	1179	90	220	43.7	120	3540
1000	1340	3587	450D*	96.5	96.4	96	88	87	83	206	600	1236	70	200	66.4	126	4710
1120	1500	3587	450D*	96.6	96.5	96.1	88	87	84	231	600	1383	70	200	71.9	137	4900
1250	1675	3589	450D*	96.8	96.7	96.3	87	85	78	260	660	1714	80	210	75.6	148	4980

NOTE:

1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

4 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
185	250	1780	315C	94.3	94.2	93.8	88	86	79	39	708	276	120	200	17.5	264	1400
200	268	1781	315C	94.6	94.5	94.1	88	86	79	42	702	295	120	200	21	281	1490
220	300	1780	315C	94.7	94.6	94.2	88	86	79	46	717	331	110	190	23.3	311	1540
250	335	1782	315C	94.9	94.8	94.4	89	87	80	52	713	369	130	200	26.2	342	1610
260	350	1781	315C	94.9	94.8	94.4	89	87	80	54	717	386	130	200	26.2	356	1610
280	375	1786	315C	95.4	95.3	94.9	87	85	78	59	700	413	100	220	27.8	376	1670
315	425	1786	315D	95.6	95.5	95.1	86	84	77	67	698	468	100	210	31.3	420	1910
335	450	1785	315D	95.6	95.5	95.1	86	84	77	71	696	496	90	200	34.8	443	1990
355	475	1785	315D	95.7	95.6	95.2	88	86	79	74	711	524	100	200	34.8	464	1990
375	500	1785	315D	95.7	95.6	95.2	87	85	78	79	699	551	100	210	36.5	485	2030
400	535	1786	315D	96.2	96.1	95.7	86	84	77	85	697	590	110	210	38.3	514	2080
425	570	1786	355C	95.9	95.8	95.4	85	81	72	91	600	547	100	220	35.9	479	2330
475	635	1785	355C	96	95.9	95.5	86	83	75	101	600	604	100	220	39.9	526	2420
530	710	1784	355C	96.1	96	95.6	86	84	76	112	590	662	90	200	42	580	2480
560	750	1785	355C	96.1	96	95.6	86	83	75	119	590	699	90	200	46	605	2590
600	800	1788	355C*	96.3	96.2	95.8	86	84	76	127	590	748	80	200	46	641	2700
630	845	1787	400D	96.4	96.3	95.9	85	82	75	135	692	931	130	200	57.7	670	3440
670	900	1787	400D	96.5	96.4	96	85	82	75	143	694	992	130	200	60.8	706	3530
750	1000	1787	400D	96.6	96.5	96.1	85	82	75	160	690	1102	130	200	63.2	770	3620
800	1070	1787	400D	96.6	96.5	96.1	85	82	75	170	692	1179	130	200	67.9	817	3740
850	1140	1787	400D	96.7	96.6	96.2	84	81	74	183	687	1257	140	200	71.1	860	3810
900	1200	1790	400D*	96.9	96.8	96.4	87	84	77	187	708	1323	70	200	71.1	896	3950
1000	1340	1790	450D	96.8	96.7	96.3	85	82	75	213	620	1318	90	210	138.2	979	4690
1120	1500	1790	450D	96.8	96.7	96.3	86	85	78	235	610	1436	90	210	168.3	1073	5090
1250	1675	1789	450D*	96.9	96.8	96.4	86	84	77	262	610	1601	90	200	168.3	1170	5340
1350	1810	1793	500D*	96.9	96.8	96.4	86	83	75	283	600	1701	70	200	204.6	1242	7170
1400	1880	1793	500D*	97	96.9	96.5	86	84	76	294	610	1791	70	200	211	1435	7260
1500	2000	1793	500D*	97	96.9	96.5	85	82	73	318	640	2037	70	200	224	1504	7490
1600	2145	1793	500D*	97	96.9	96.5	86	85	77	336	610	2047	70	200	243	1584	7800

6 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
185	250	1187	315C	94.9	94.8	94.4	79	74	64	43	639	276	90	200	21.2	856	1490
200	268	1186	315C	94.9	94.8	94.4	80	75	65	46	640	295	90	200	22.9	913	1530
220	300	1186	315C	95.1	95	94.6	80	75	65	51	654	331	90	200	24.7	1012	1580
250	335	1187	315C	95.2	95.1	94.7	79	74	64	58	634	369	90	210	26.4	1116	1620
260	350	1187	315C	95.2	95.1	94.7	80	75	65	60	646	386	100	200	29.4	1161	1700
280	375	1186	315D	95.3	95.2	94.8	81	76	66	63	651	413	90	190	32.9	1238	2010
315	425	1186	315D	95.4	95.3	94.9	81	76	66	71	656	468	90	200	37.6	1386	2120
335	450	1187	315D	95.7	95.6	95.2	81	76	66	76	656	496	90	200	40	1456	2170
375	500	1188	355C	95.4	95.3	94.9	82	77	67	84	504	423	90	190	56.3	1593	2390
400	535	1190	355C	95.4	95.3	94.9	82	80	73	89	540	483	90	190	65.4	1652	2420
425	570	1188	355C	95.5	95.4	95	83	82	75	94	540	507	90	190	68.5	1746	2460
475	635	1191	355C*	95.9	95.8	95.4	78	74	63	111	560	622	90	190	68.5	1922	2590
500	670	1191	400D	95.8	95.7	95.3	79	75	63	116	590	682	90	210	82.1	2016	3220
560	750	1191	400D	96	95.9	95.5	80	75	64	128	648	827	90	210	95.6	2225	3490
600	800	1191	400D	96	95.9	95.5	79	75	64	138	637	882	90	200	100.5	2354	3580
630	845	1191	400D	96	95.9	95.5	81	77	64	142	657	931	90	220	106.9	2518	3680
670	900	1191	400D*	96.1	96	95.6	83	79	66	147	675	992	90	200	106.9	2659	3840
800	1070	1192	450D	96.3	96.2	95.8	84	81	73	173	620	1073	80	210	158.8	3024	4900
850	1140	1191	450D	96.3	96.2	95.8	85	82	74	182	620	1126	80	210	169.6	3193	5060
900	1200	1192	450D	96.4	96.3	95.9	84	81	71	194	620	1206	90	220	175	3334	5140
930	1250	1192	450D	96.4	96.3	95.9	84	80	70	201	620	1246	90	220	185.5	3452	5300
1000	1340	1193	450D*	96.5	96.4	96	84	81	71	216	620	1338	80	210	185.5	3661	5540
1120	1500	1194	500D*	96.7	96.6	96.2	85	82	73	238	620	1478	70	210	260.3	4078	6770
1250	1675	1194	500D*	96.7	96.6	96.2	85	82	73	266	620	1650	70	210	287.9	4468	7120
1350	1810	1194	500D*	96.8	96.7	96.3	86	83	75	284	620	1759	70	210	315.4	4761	7430
1500	2000	1194	500D*	96.9	96.8	96.4	86	83	75	315	620	1952	70	210	343	5162	7750

NOTE:

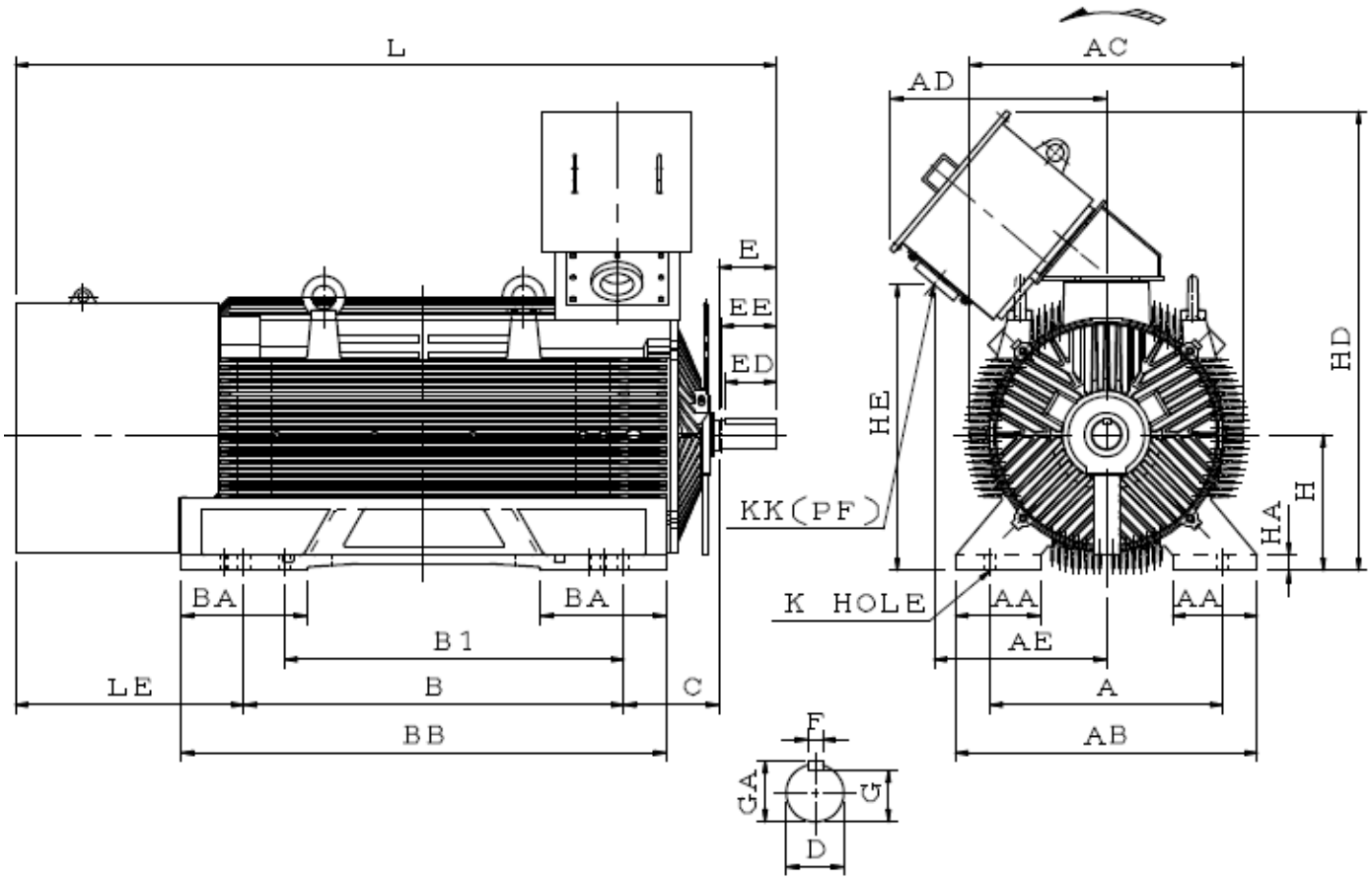
1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

8 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
132	175	890	315C	93.6	93.5	93.1	75	68	56	33	587	193	80	190	21.2	1382	1490
150	200	890	315C	93.7	93.6	93.2	76	69	57	37	597	220	70	190	25.3	1563	1590
160	215	890	315C	94	93.9	93.5	77	70	58	39	613	237	70	190	29.4	1671	1690
185	250	890	315C	94	93.9	93.5	76	69	57	45	609	276	80	190	31.2	1919	1730
200	268	890	315D	94.2	94.1	93.7	77	70	58	48	612	295	70	190	35.9	2046	1960
220	300	890	315D	94.3	94.2	93.8	75	68	56	54	608	331	80	190	35.9	2268	1960
250	335	890	315D	94.4	94.3	93.9	76	69	57	61	605	369	80	190	39.5	2509	2050
260	350	891	315D	94.4	94.3	93.9	73	66	54	66	585	386	90	200	41.2	2604	2090
315	425	893	315D	94.8	94.7	94.3	78	71	59	75	628	468	90	200	78.9	3089	2490
355	475	893	355C	95	94.9	94.5	77	70	58	85	617	524	100	210	91.2	3416	2660
375	500	893	355C*	95.1	95	94.6	81	74	62	85	647	551	90	200	91.2	3578	2780
450	600	890	400D	95.5	95.4	95	77	72	61	107	550	589	80	200	95.4	3715	3370
475	635	890	400D	95.6	95.5	95.1	76	71	60	114	550	629	80	200	99.4	3910	3430
530	710	890	400D	95.6	95.5	95.1	76	71	59	128	550	702	80	200	111.5	4320	3610
560	750	891	400D	95.7	95.6	95.2	76	71	60	135	560	754	90	200	131.6	4536	3890
600	800	892	450D	95.8	95.7	95.3	76	71	59	144	550	793	80	200	140.7	4802	4660
650	870	892	450D	95.9	95.8	95.4	74	68	55	160	580	929	80	200	149.8	5170	4780
710	950	891	450D	96	95.9	95.5	76	71	59	170	550	936	80	200	162.4	5587	4970
750	1000	892	450D	96.1	96	95.6	76	71	58	180	550	988	80	200	176.8	5843	5210
800	1070	892	450D	96.2	96.1	95.7	75	69	56	194	550	1067	80	200	189.5	6199	5390
850	1140	894	450D	96.2	96.1	95.7	73	67	53	212	550	1165	70	200	198.5	6552	5730
900	1200	894	500D*	96.3	96.2	95.8	78	73	62	210	580	1216	70	200	276.4	6900	6880
1000	1340	894	500D*	96.4	96.3	95.9	79	74	62	230	580	1332	70	200	316.3	7380	7360
1120	1500	894	500D*	96.5	96.4	96	79	74	62	257	580	1491	70	200	350	7750	7720
1250	1675	894	500D*	96.6	96.5	96.1	79	75	63	287	580	1662	70	200	377	8070	8040

NOTE:

1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

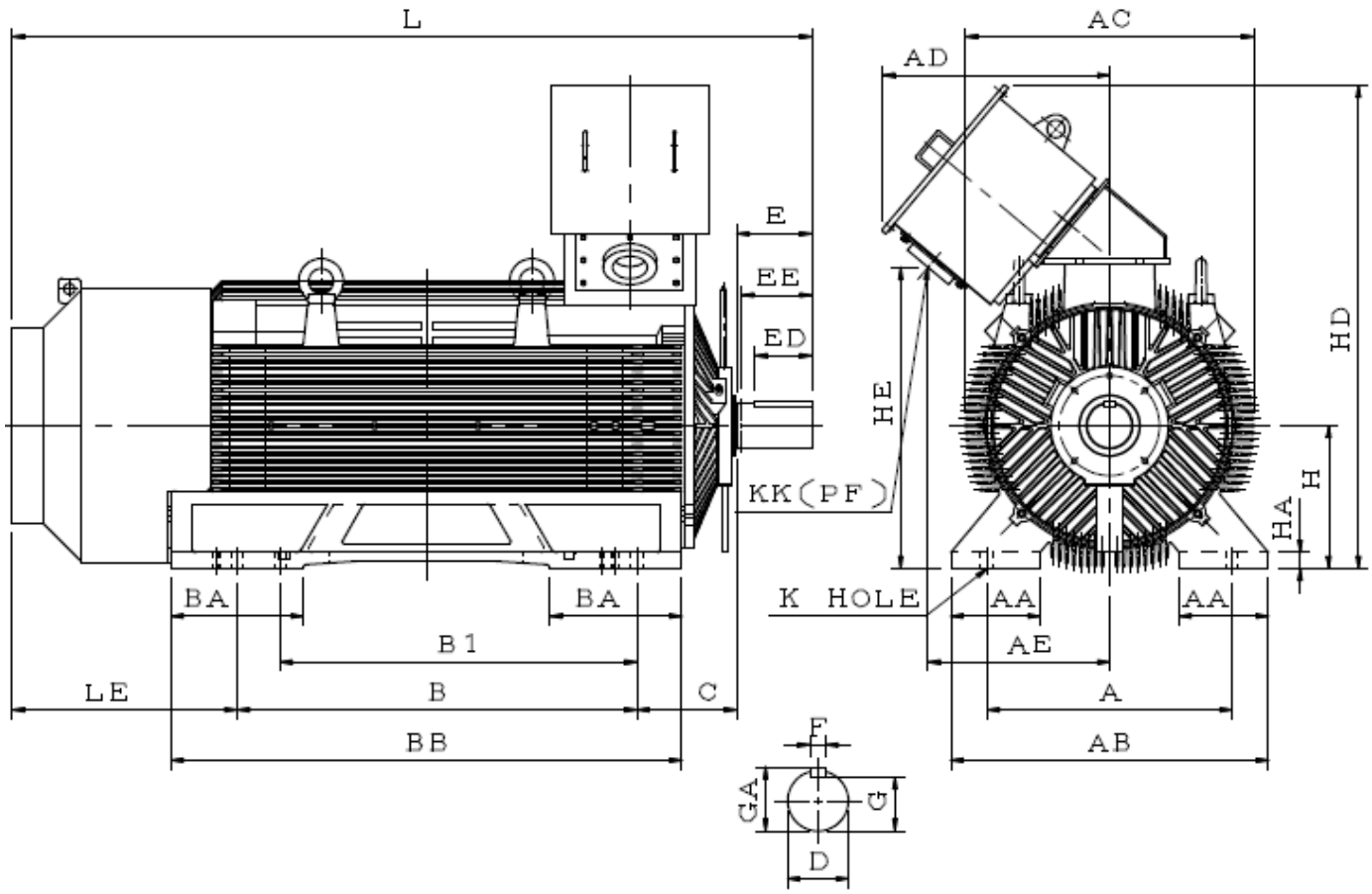


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315CA - 70R	2	508	150	650	701	637	509	710	560	260	880	216	70	140	110	134

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315CA - 70R	20	62.5	74.5	315	45	1188	678	28	3"	1606	540	6315C3	6315C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

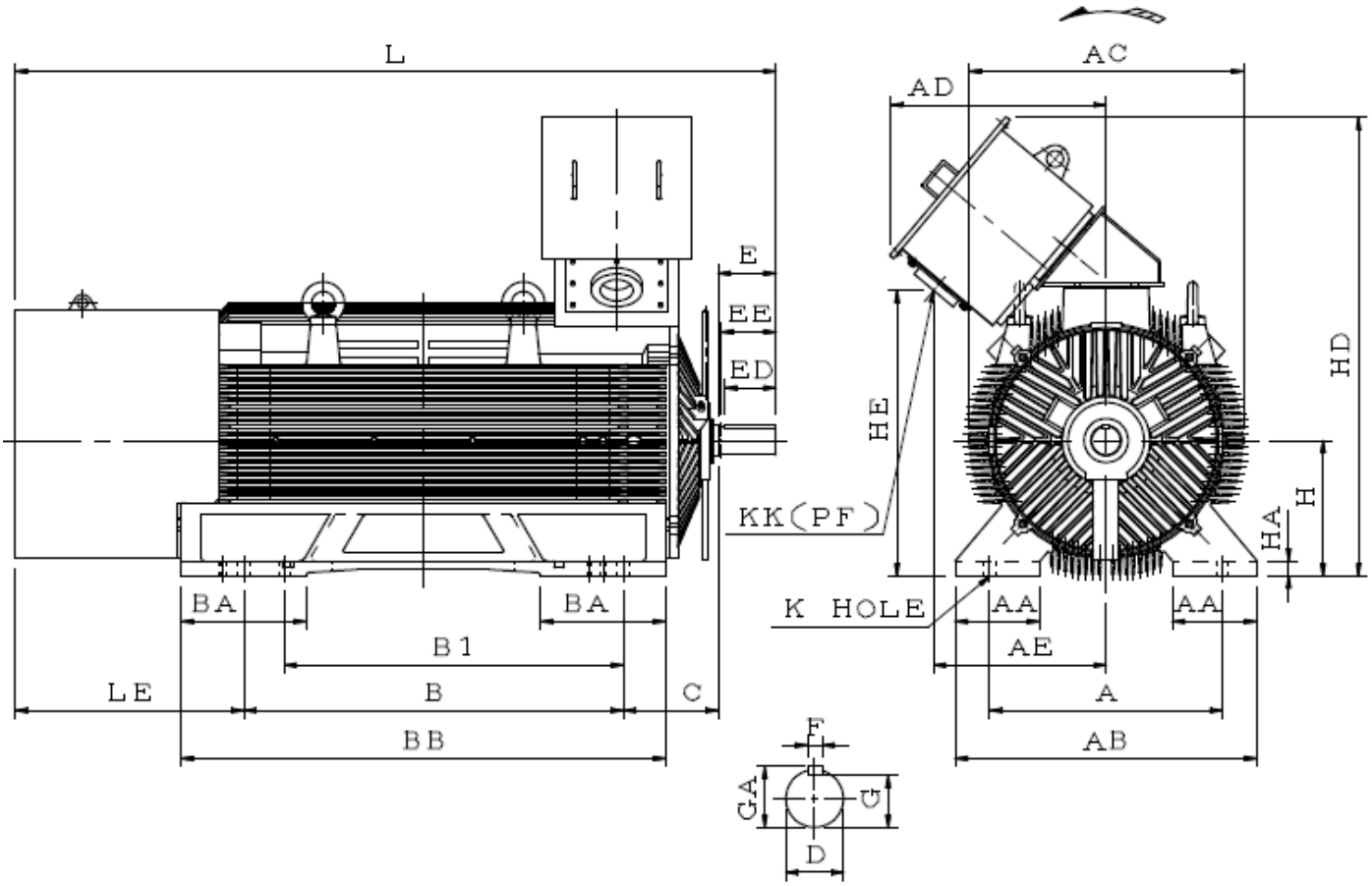


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315CB - 95R	4 6 8	508	150	650	701	637	509	710	560	260	880	216	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315CB - 95R	25	86	100	315	45	1188	678	28	3"	1621	525	6220	6220

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

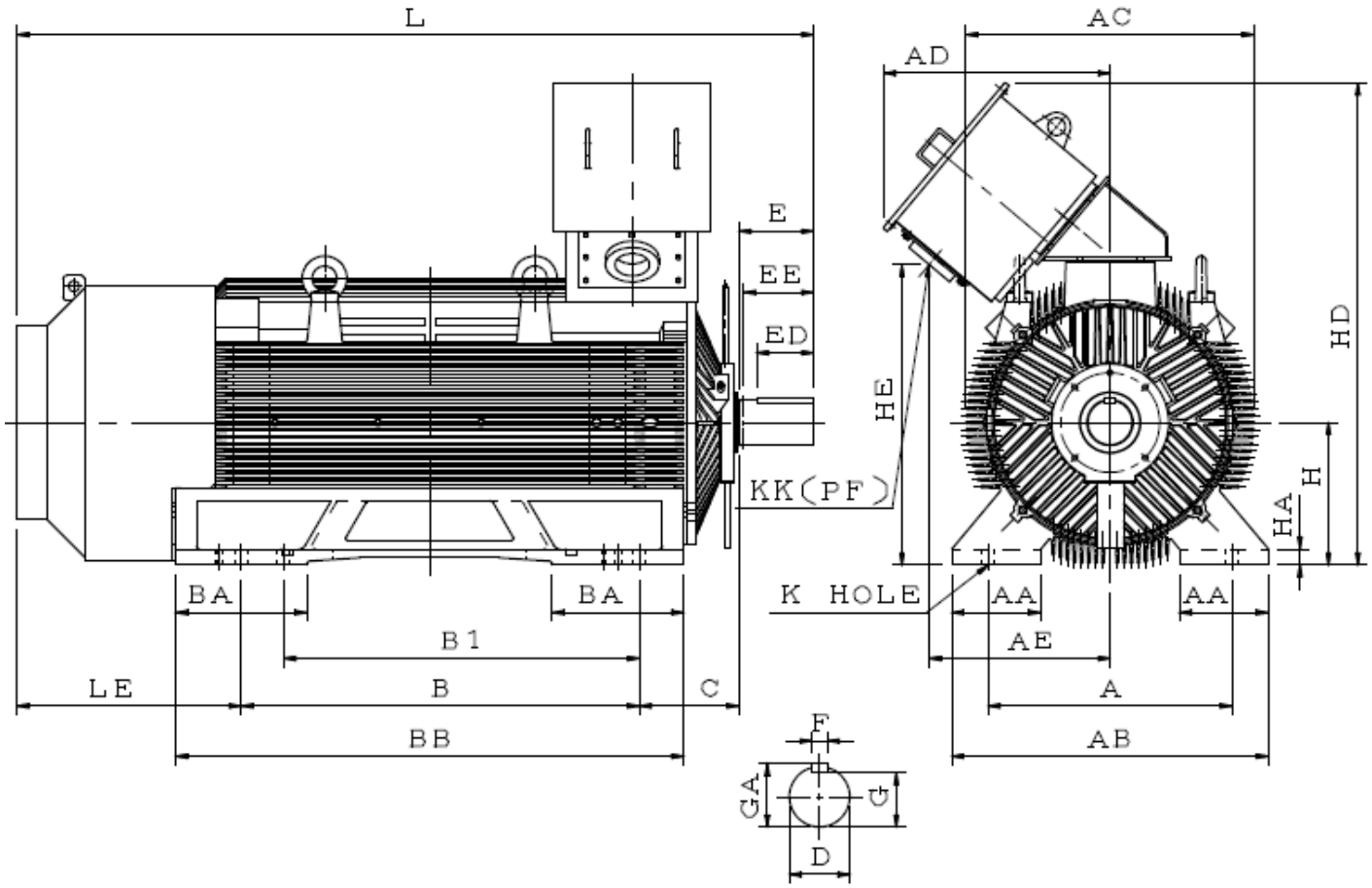


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315DA - 70R	2	508	150	650	701	637	509	910	710	315	1080	216	70	140	110	134

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315DA - 70R	20	62.5	74.5	315	45	1188	678	28	3"	1806	540	6315C3	6315C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE



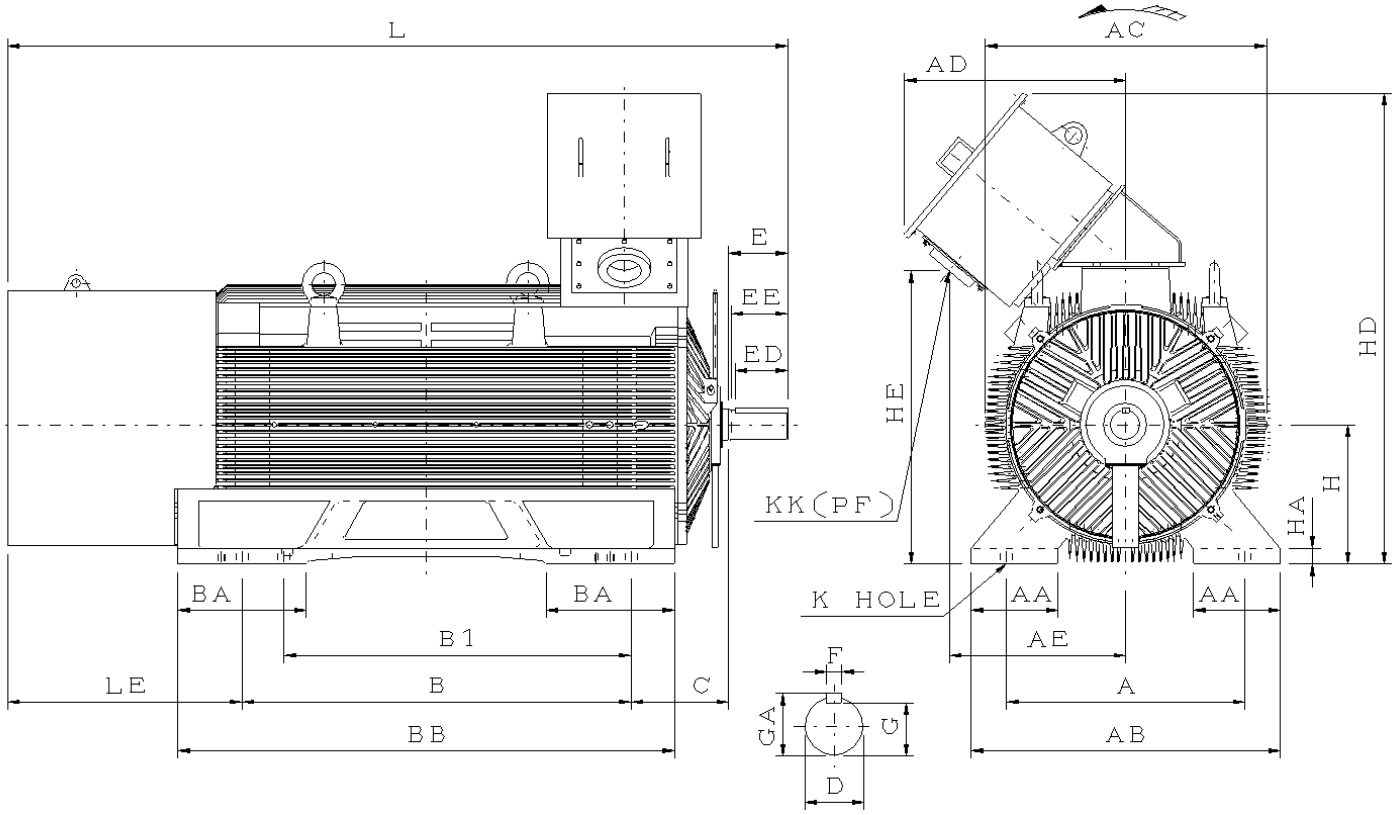
(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315DB - 95R	4 6 8	508	150	650	701	637	509	910	710	315	1080	216	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315DB - 95R	25	86	100	315	45	1188	678	28	3"	1821	525	6220	6220

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

AFJP - Frame 355CA - 70R

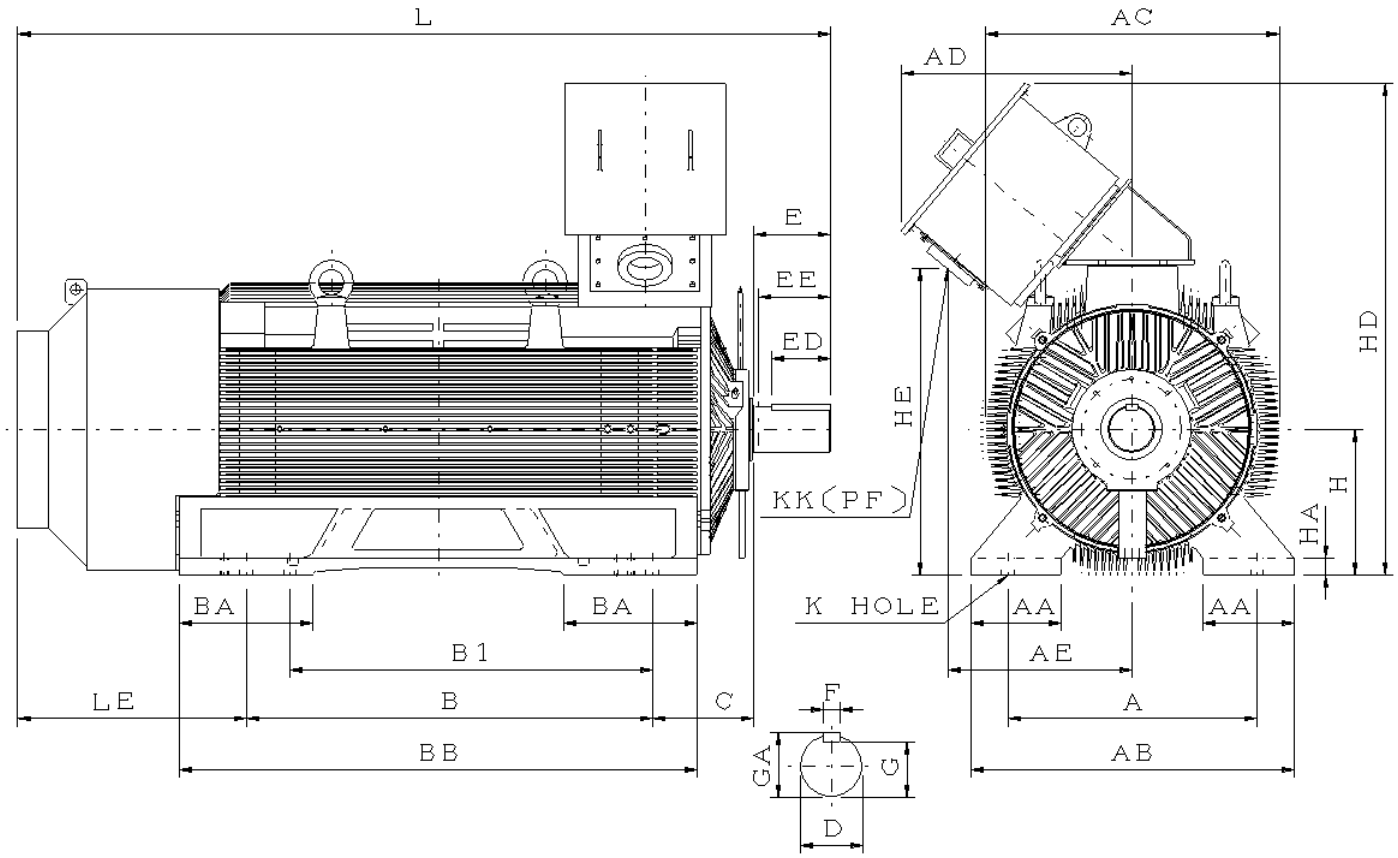


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
355CA - 70R	2	610	160	750	761	640	510	900	–	270	1180	254	70	140	110	134

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
355CA - 70R	20	62.5	74.5	355	45	1281	768.5	28	3"	1889	595	6315C3	6315C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

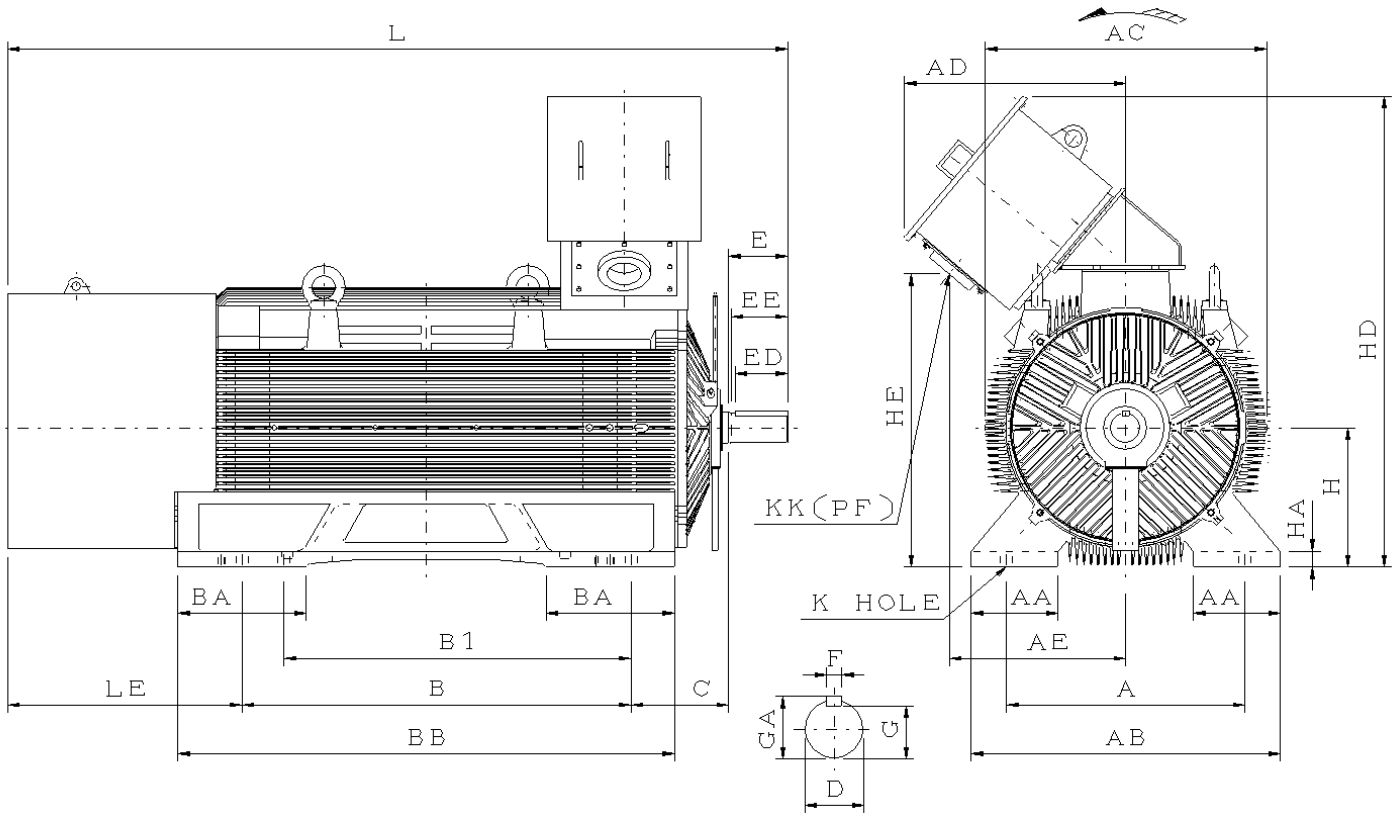


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
355CB - 95R	4 6 8	610	160	750	761	640	510	900	–	270	1180	254	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
355CB - 95R	25	86	100	355	45	1281	768.5	28	3"	1894	570	6222	6220

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

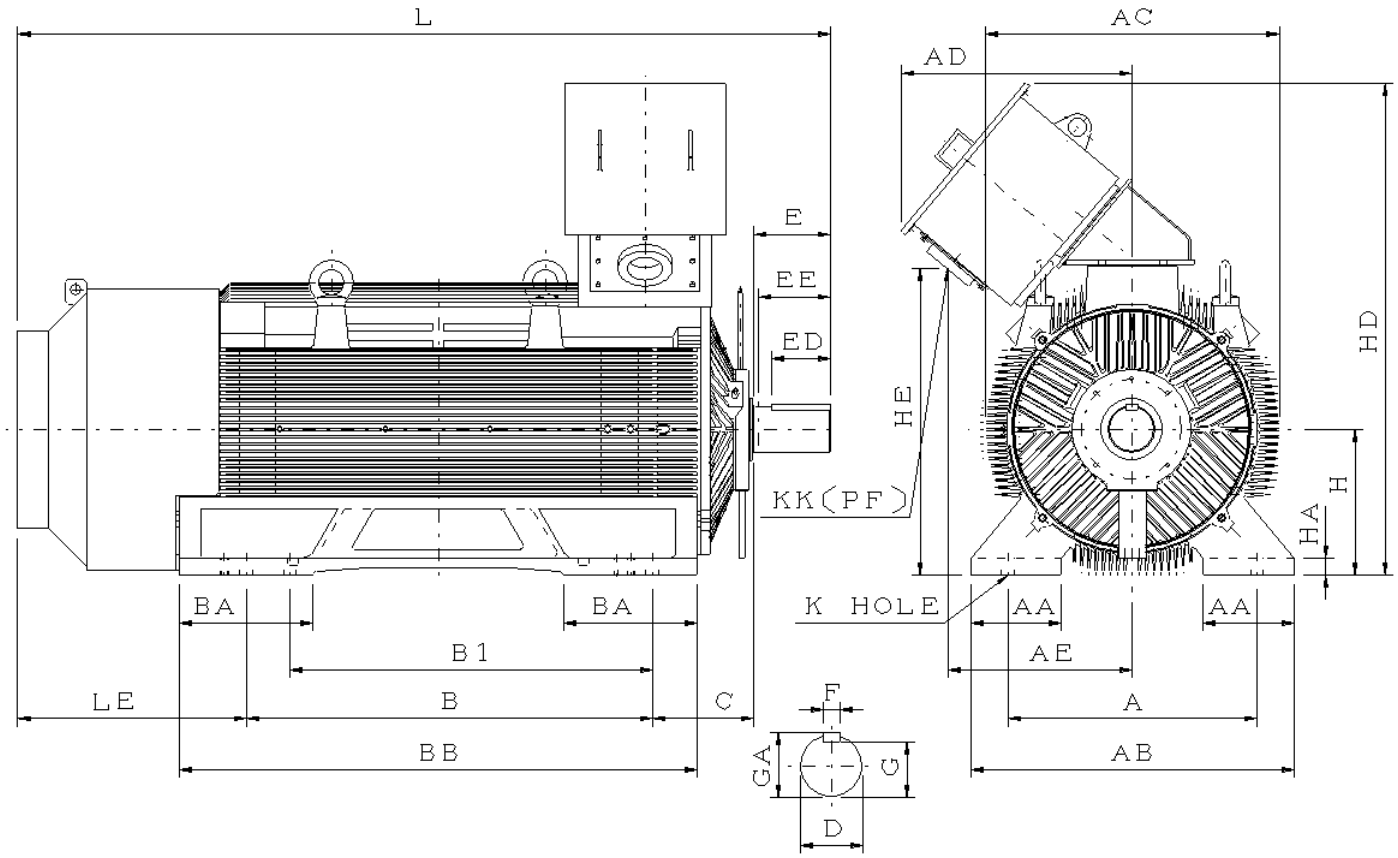


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
400DA - 85R	2	686	250	890	810	640	510	1120	1000	370	1430	280	85	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
400DA - 85R	22	76	90	400	45	1356	843.5	35	3.5"	2245	675	6218C3	6218C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE



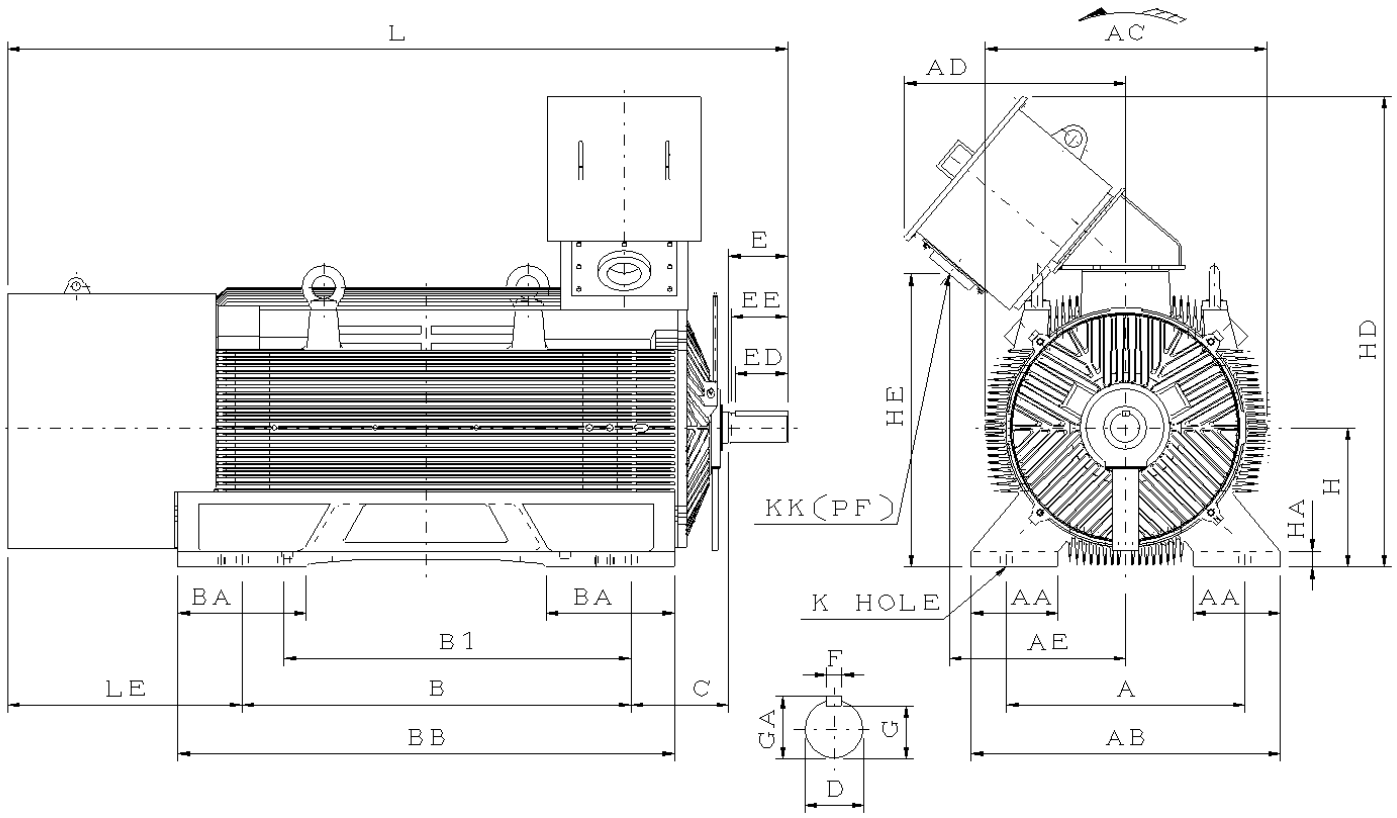
(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
400DB - 125R	4 6 8	686	250	890	810	640	510	1120	1000	370	1430	280	125	210	160	197

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
400DB - 125R	32	114	132	400	45	1356	843.5	35	3.5"	2240	630	6226	6222

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

AFJP - Frame 450DA - 95R

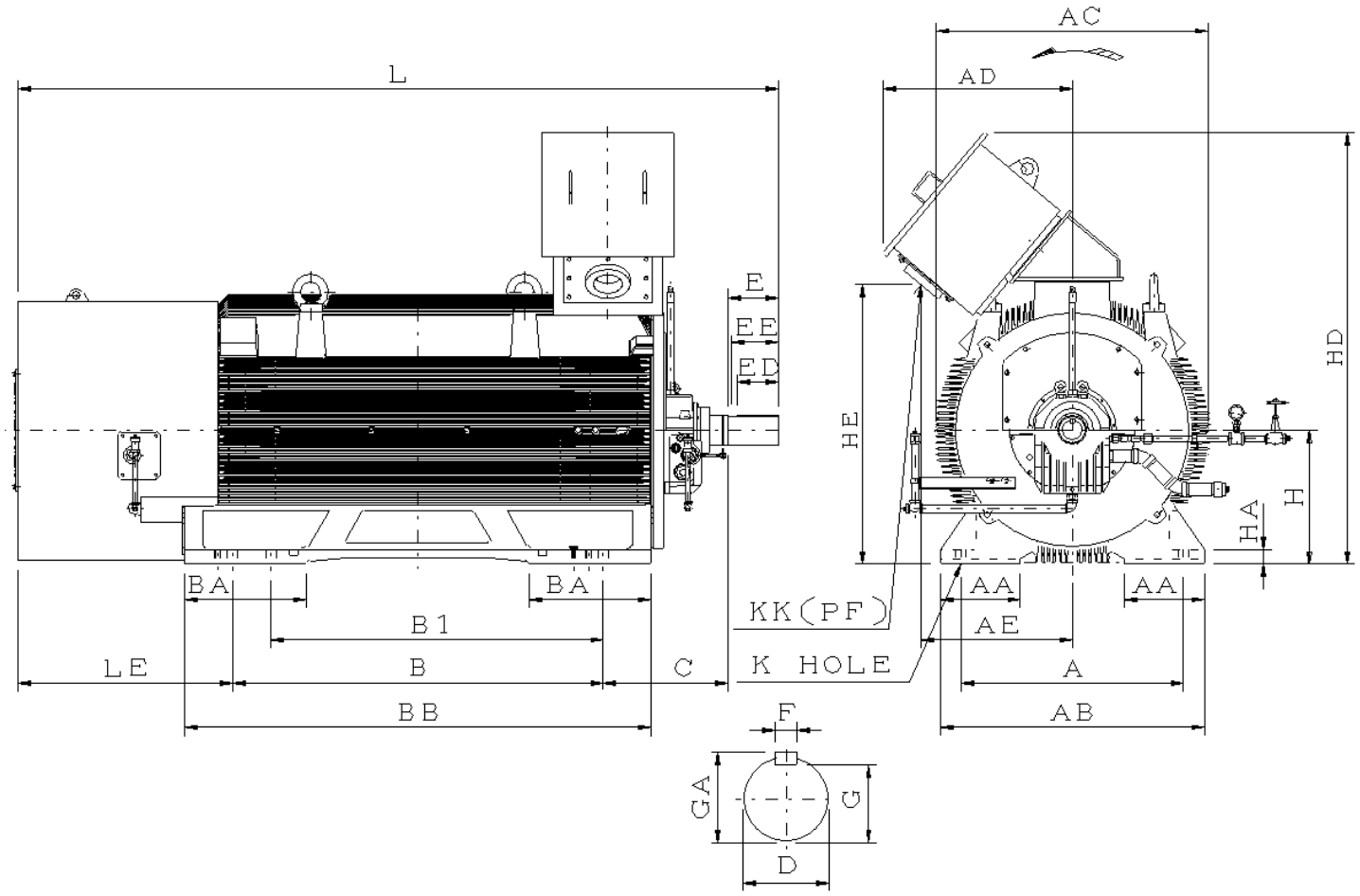


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
450DA - 95R	2 (50Hz)	750	270	890	920	640	510	1250	1120	410	1570	315	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
450DA - 95R	25	86	100	450	50	1456	943	35	3.5"	2385	650	6220C3	6220C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE



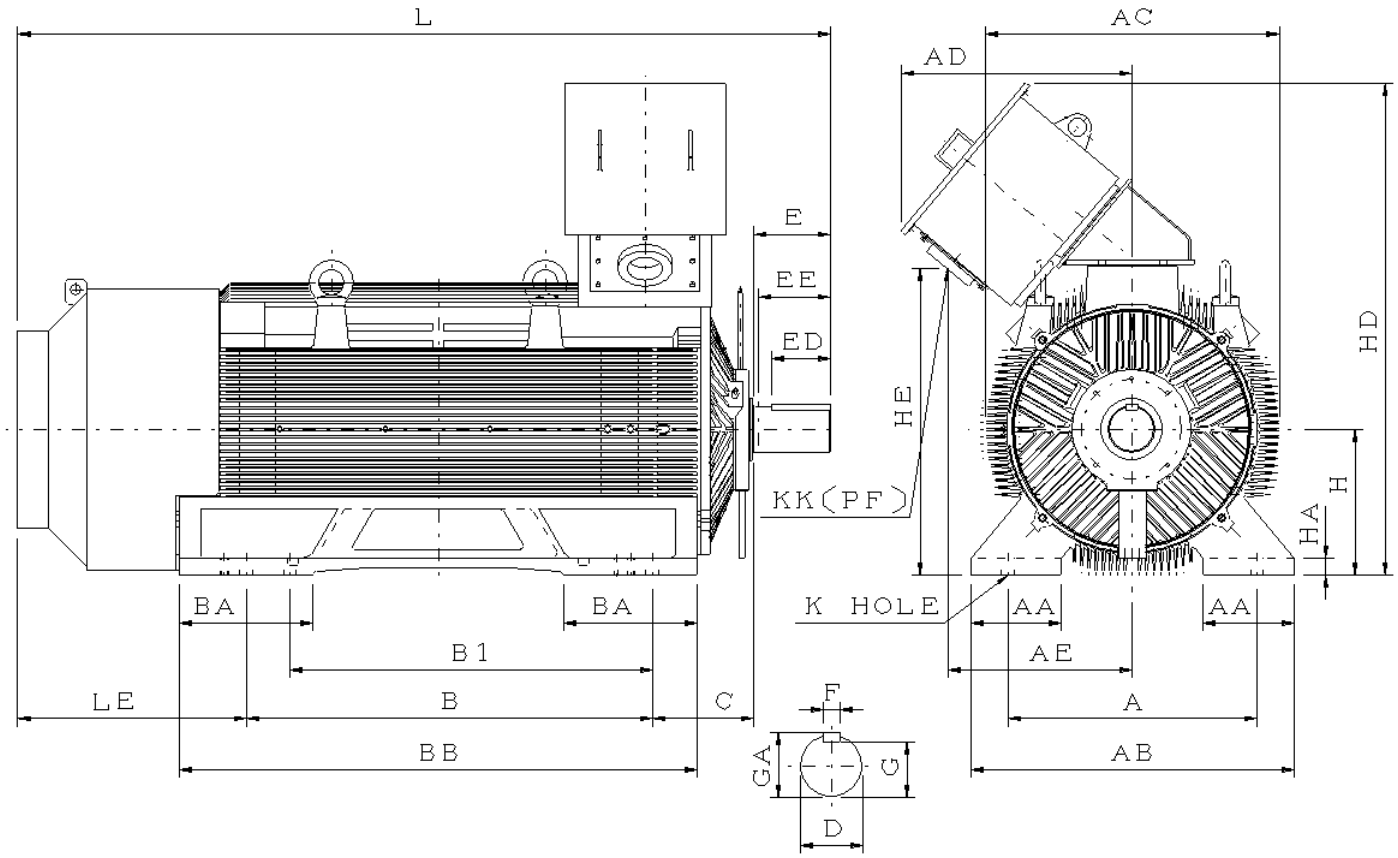
(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
450DA - 95V	2 (60Hz)	750	270	890	920	640	510	1250	1120	410	1570	420	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
450DA - 95V	25	86	100	450	50	1456	943	35	3.5"	2610	770	EMZLB 9S-80	EMZLQ 9S-80

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

AFJP - Frame 450DB - 140R



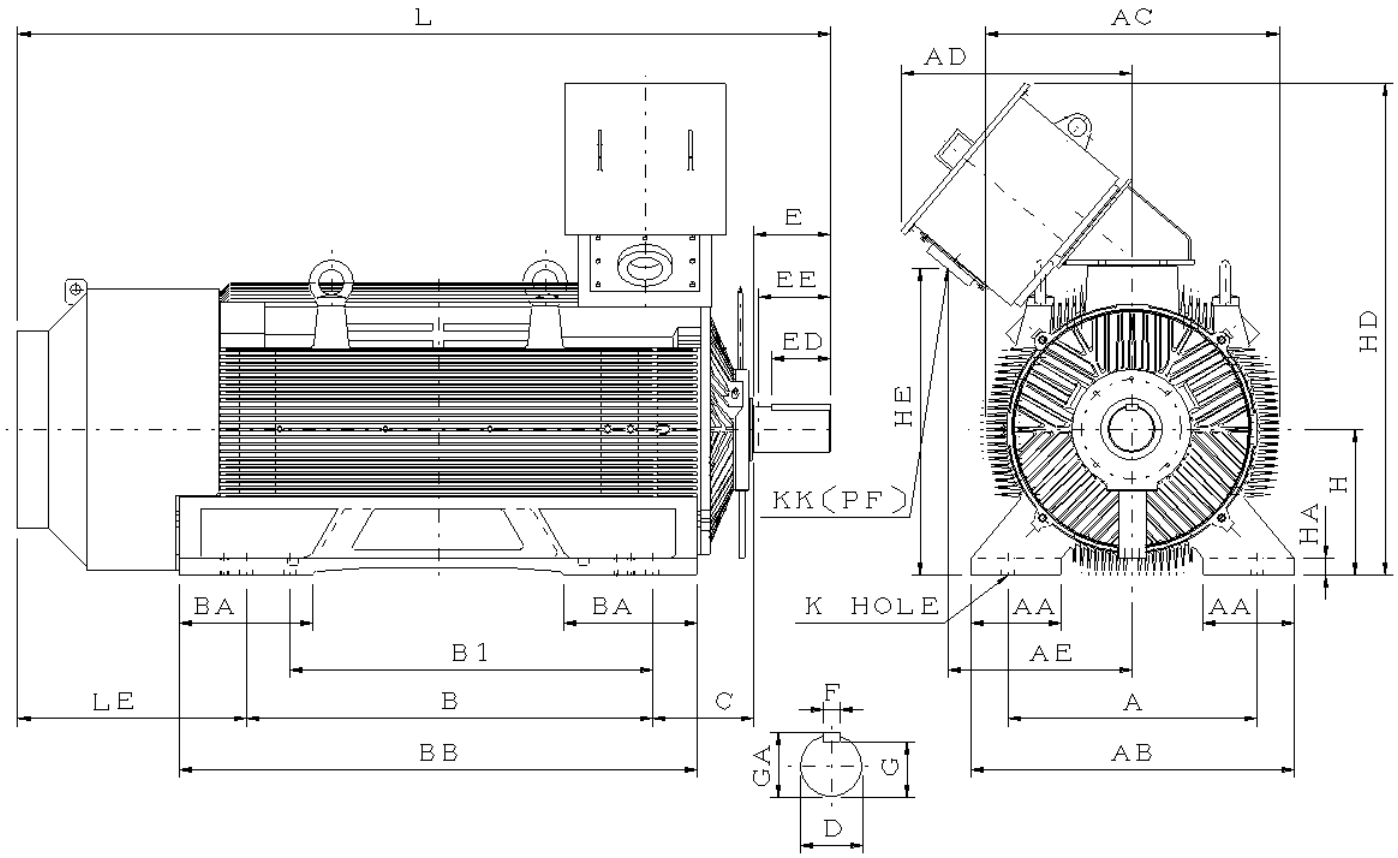
(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
450DB - 140R	4 6 8	750	270	890	920	640	510	1250	1120	410	1570	315	140	250	200	237

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
450DB - 140R	36	128	148	450	50	1456	943	35	3.5"	2435	620	6230	6226

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

AFJP - Frame 500DB - 140R



(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
500DB - 140R	4 6 8	850	345	1250	1004	640	510	1400	1250	460	1750	335	140	250	200	237

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
500DB - 140R	36	128	148	500	50	1616	1104	35	3.5"	2620	635	6330	6326

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

2 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
150	200	2979	315C	94.3	94.2	93.8	88	86	80	17	696	121	90	220	7.4	40	1360
160	215	2980	315C	94.6	94.5	94.1	88	86	80	18	703	130	80	210	8.1	43	1410
185	250	2980	315C	94.9	94.8	94.4	88	86	80	21	713	152	90	210	8.8	49	1450
220	300	2981	315D	95.3	95.2	94.8	89	87	81	25	729	182	90	220	11.3	58	1770
250	335	2981	315D	95.5	95.4	95	90	88	82	28	725	203	90	220	12.7	63	1860
280	375	2981	315D	95.6	95.5	95.1	90	88	82	31	725	227	90	220	13.5	70	1900
315	425	2979	355C	95.7	95.6	95.2	90	89	85	35	590	208	70	200	19.3	79	2210
355	475	2978	355C	95.8	95.7	95.3	90	89	85	40	600	238	70	200	19.3	86	2200
375	500	2979	355C	95.9	95.8	95.4	90	89	85	42	610	255	70	200	20.5	90	2260
425	570	2980	355C	96	95.9	95.5	90	88	83	47	630	298	80	210	21.6	101	2310
450	600	2980	355C	96.1	96	95.6	90	88	83	50	640	320	80	210	22.7	108	2360
500	670	2980	355C*	96.1	96	95.6	90	88	83	56	600	334	80	200	22.7	115	2450
530	710	2982	400D	96.1	96	95.6	87	85	77	61	705	430	90	200	34.3	119	3230
560	750	2983	400D	96.2	96.1	95.7	87	85	77	64	707	455	90	210	37.6	125	3330
630	845	2984	400D	96.4	96.3	95.9	87	84	76	72	708	512	100	220	43.7	137	3550
650	870	2986	400D*	96.6	96.5	96.1	88	85	78	74	716	527	70	200	43.7	140	3710
670	900	2988	450D*	96.5	96.4	96.0	88	87	81	76	682	518	80	210	58.1	150	4360
750	1000	2988	450D*	96.7	96.6	96.2	89	87	81	84	630	528	80	210	61.8	162	4530
800	1070	2987	450D*	96.7	96.6	96.2	89	88	83	89	600	537	70	200	66.4	173	4680
900	1200	2987	450D*	96.7	96.6	96.2	89	88	83	101	610	614	70	200	69.1	187	4780
930	1250	2988	450D*	96.7	96.6	96.2	89	88	83	104	620	645	80	210	71.9	194	4870
1000	1340	2977	450D*	96.8	96.7	96.3	89	87	81	112	650	726	80	210	75.6	205	4960

NOTE:
1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

4 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
150	200	1486	315C	94.2	94.1	93.7	86	83	75	18	679	121	90	210	21.5	336	1500
160	215	1487	315C	94.5	94.4	94	86	83	75	19	686	130	100	220	22.6	358	1530
185	250	1488	315C	94.5	94.4	94	86	83	75	22	694	152	120	210	26.1	410	1600
200	268	1487	315D	94.8	94.7	94.3	87	84	76	23	694	162	120	210	28.4	437	1820
220	300	1487	315D	94.9	94.8	94.4	87	84	76	26	710	182	120	200	31.9	484	1900
250	335	1487	315D	95.2	95.1	94.7	87	84	76	29	699	203	120	210	36	535	2010
260	350	1487	315D	95.3	95.2	94.8	88	85	77	30	711	212	120	200	36	556	2010
315	425	1486	355C	95.5	95.4	95	83	80	70	38	600	229	100	210	34.5	583	2200
335	450	1486	355C	95.6	95.5	95.1	85	82	73	40	619	246	100	210	36.5	612	2260
375	500	1485	355C	95.7	95.6	95.2	85	82	72	44	610	271	100	210	38.6	673	2300
400	535	1486	355C	95.8	95.7	95.3	84	80	70	48	600	287	100	210	40.6	713	2350
425	570	1486	355C	95.9	95.8	95.4	84	81	71	51	600	305	110	220	42.6	756	2400
450	600	1486	355C	96.1	96	95.6	85	81	72	53	620	329	110	220	44.7	788	2460
500	670	1488	355C*	96.2	96.1	95.7	84	81	72	60	600	357	80	200	44.7	868	2530
530	710	1487	400D	96.4	96.3	95.9	85	82	74	62	691	430	120	200	60	914	3470
560	750	1487	400D	96.5	96.4	96	85	82	74	66	693	455	130	200	63.2	958	3530
600	800	1487	400D	96.5	96.4	96	85	82	74	70	689	485	130	200	67.9	1012	3650
630	845	1488	400D	96.6	96.5	96.1	84	81	73	75	685	512	140	210	71.1	1087	3710
650	870	1490	400D*	96.8	96.7	96.3	87	84	76	74	710	527	70	200	71.1	1120	3880
710	950	1490	450D	96.2	96.1	95.7	84	80	69	85	635	537	100	220	124	1220	4400
800	1070	1490	450D	96.4	96.3	95.9	84	80	69	95	610	580	100	220	140	1296	4710
850	1140	1490	450D	96.4	96.3	95.9	85	81	72	100	600	599	100	220	148.8	1364	4830
900	1200	1490	450D	96.5	96.4	96	85	81	72	106	600	633	100	220	155.9	1426	4960
930	1250	1490	450D	96.5	96.4	96	85	81	71	109	610	666	100	220	163	1472	5070
1000	1340	1490	450D	96.5	96.4	96	85	81	71	117	640	751	100	220	168.3	1562	5160
1120	1500	1490	450D*	96.5	96.4	96	85	82	74	131	620	815	100	210	168.3	1710	5350
1250	1675	1492	500D*	96.6	96.5	96.1	86	84	77	145	600	869	70	210	217.5	2106	7300
1350	1810	1492	500D*	96.7	96.6	96.2	86	84	77	156	600	937	70	210	236.9	2239	7580
1400	1880	1492	500D*	96.7	96.6	96.2	87	85	78	160	600	961	70	210	243.3	2307	7770

6 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
150	200	988	315C	93.7	93.6	93.2	78	73	61	20	613	121	100	220	25.3	1091	1570
160	215	988	315C	93.8	93.7	93.3	79	74	62	21	626	130	90	210	27	1166	1620
185	250	989	315C	93.9	93.8	93.4	77	72	60	25	617	152	110	210	29.4	1336	1670
200	268	988	315D	93.9	93.8	93.4	80	75	63	26	632	162	90	200	35.3	1427	1950
220	300	988	315D	94.1	94	93.6	80	75	63	28	647	182	100	210	39.4	1582	2050
280	375	990	355C	95	94.9	94.5	81	78	69	35	580	203	90	200	62.4	1879	2340
300	400	991	355C	95.2	95.1	94.7	81	77	68	37	600	225	100	210	65.4	1991	2380
335	450	991	355C	95.2	95.1	94.7	80	76	67	42	609	258	100	210	68.5	2218	2440
375	500	991	355C*	95.5	95.4	95	78	73	62	48	560	271	70	190	68.5	2437	2560
400	535	991	400D	95.6	95.5	95.1	79	74	62	51	636	324	90	210	85.8	2588	3330
450	600	992	400D	95.8	95.7	95.3	79	74	63	57	636	364	90	220	96.9	2869	3510
475	635	992	400D	95.8	95.7	95.3	79	74	63	60	637	385	90	200	101.8	3017	3590
500	670	992	400D	95.8	95.7	95.3	79	74	63	64	639	406	90	200	106.7	3230	3670
530	710	992	400D*	95.8	95.7	95.3	82	77	66	65	662	430	90	210	106.7	3330	3820
600	800	992	450D	95.9	95.8	95.4	82	78	68	73	625	459	100	220	144.3	3661	4630
650	870	992	450D	96	95.9	95.5	82	78	68	79	620	493	90	220	155.2	3982	4840
710	950	992	450D	96.1	96	95.6	83	79	69	86	620	531	90	220	160.6	4302	4920
750	1000	992	450D	96.1	96	95.6	82	77	66	92	620	568	90	220	169.6	4496	5060
800	1070	992	450D	96.2	96.1	95.7	82	77	66	98	620	605	100	230	175	4770	5140
850	1140	993	450D*	96.2	96.1	95.7	84	81	72	101	620	628	80	200	175	5040	5350
900	1200	993	500D*	96.6	96.5	96.1	85	83	74	105	600	633	70	200	232.7	5353	6400
930	1250	994	500D*	96.6	96.5	96.1	84	80	71	110	646	712	80	200	241.9	5475	6340
1000	1340	994	500D*	96.6	96.5	96.1	85	81	71	117	620	727	70	200	266.4	5869	6750
1120	1500	994	500D*	96.7	96.6	96.2	85	81	72	131	620	813	70	200	294	6459	7090
1250	1675	994	500D*	96.8	96.7	96.3	85	82	73	146	620	906	70	200	336.8	7088	7600
1350	1810	994	500D*	96.9	96.8	96.4	86	83	74	156	620	966	70	200	370.5	7562	7990

NOTE:

1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

8 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
150	200	741	315D	92.6	92.5	92.1	78	73	61	20	605	121	90	200	49.2	2440	1940
160	215	741	315D	92.7	92.6	92.2	78	73	61	21	611	130	99	200	54	2609	2020
185	250	741	315D	93.3	93.2	92.8	77	72	60	25	613	152	100	210	56.4	2998	2060
220	300	742	355C	93.9	93.8	93.4	78	73	61	29	630	182	90	200	82.6	3534	2520
250	335	743	355C	93.9	93.8	93.4	78	73	61	33	618	203	90	200	86.3	3897	2580
260	350	743	355C	93.9	93.8	93.4	78	73	61	34	621	212	90	200	90	4057	2620
280	375	743	355C*	94.5	94.4	94	80	75	63	36	637	227	90	200	90	4321	2750
315	425	741	400D	94.8	94.7	94.3	75	70	58	43	554	236	100	210	94	4560	3340
355	475	741	400D	94.8	94.7	94.3	74	68	55	49	589	287	100	210	102.1	4709	3450
375	500	741	400D	94.8	94.7	94.3	74	68	55	51	589	303	100	210	107.5	4932	3530
400	535	741	400D	95.1	95	94.6	75	69	57	54	600	324	100	210	114.2	5555	3630
425	570	741	400D	95.2	95.1	94.7	73	67	54	59	586	345	100	210	118.2	5818	3690
475	635	743	450D	95.9	95.8	95.4	74	67	54	64	550	354	90	220	153.4	6120	4770
500	670	742	450D	96	95.9	95.5	75	69	57	67	550	368	80	210	162.4	6422	4900
560	750	742	450D	96	95.9	95.5	75	69	56	75	550	412	80	210	180.4	7106	5190
600	800	742	450D	96	95.9	95.5	75	70	57	80	550	441	80	210	187.6	7528	5290
650	870	743	450D	96.1	96	95.6	73	66	53	89	570	508	90	220	193.1	8114	5380
670	900	744	450D*	96.2	96.1	95.7	72	66	52	93	550	512	70	200	198.5	8363	5680
710	950	744	500D	96.2	96.1	95.7	77	72	59	92	600	553	70	200	239.5	9954	6420
750	1000	744	500D*	96.2	96.1	95.7	78	73	60	96	582	560	70	200	258	10506	6470
800	1070	744	500D*	96.2	96.1	95.7	78	72	60	103	600	616	70	200	285.6	11058	6910
850	1140	744	500D*	96.3	96.2	95.8	77	72	59	110	617	681	70	200	313.3	11233	7020
900	1200	744	500D*	96.3	96.2	95.8	78	73	60	115	600	692	70	200	340.9	12190	7480
930	1250	744	500D*	96.4	96.3	95.9	78	73	61	119	623	741	70	200	350.1	12807	7500
1000	1340	744	500D*	96.4	96.3	95.9	78	73	61	128	600	768	70	200	377.7	13424	7920

NOTE:

1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

2 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
150	200	3579	315C	94.2	94.1	93.7	87	85	77	16	687	110	90	210	6.4	29	1310
160	215	3579	315C	94.2	94.1	93.7	86	84	76	17	683	118	90	210	6.4	31	1310
185	250	3580	315C	94.7	94.6	94.2	87	85	77	20	703	138	90	200	7.4	35	1370
200	268	3580	315C	94.9	94.8	94.4	88	86	78	21	706	148	90	220	8.1	38	1410
220	300	3579	315C	95.1	95	94.6	89	87	79	23	726	165	90	210	8.8	42	1460
250	335	3581	315D	95.3	95.2	94.8	89	87	79	26	717	185	90	210	9.8	46	1680
260	350	3581	315D	95.4	95.3	94.9	89	87	79	27	720	193	90	210	11.3	48	1760
280	375	3581	315D	95.6	95.5	95.1	90	88	80	28	727	207	90	210	12.7	51	1850
315	425	3580	315D	95.8	95.7	95.3	90	88	80	32	732	234	90	210	13.5	56	1900
335	450	3580	315D	95.9	95.8	95.4	90	88	80	34	730	248	90	200	14.5	59	1960
375	500	3579	355C	95.8	95.7	95.3	90	89	85	38	657	250	70	200	19.3	62	2350
425	570	3577	355C	95.9	95.8	95.4	90	89	85	43	600	258	70	200	19.3	65	2350
450	600	3577	355C	95.9	95.8	95.4	90	89	85	46	600	274	70	200	20.5	68	2400
500	670	3578	355C	96.1	96	95.6	90	89	84	51	600	303	70	200	21.6	72	2460
530	710	3579	355C	96.3	96.2	95.8	90	89	85	53	600	321	70	200	22.7	76	2510
560	750	3581	355C*	96.5	96.4	96	90	89	84	56	610	344	70	200	22.7	79	2600
630	845	3581	400D	96.5	96.4	96	88	86	80	65	620	402	100	200	37.6	90	3350
650	870	3582	400D	96.5	96.4	96	89	87	81	66	620	410	100	200	41.4	90	3460
710	950	3582	400D	96.6	96.5	96.1	89	87	81	72	620	448	100	200	43.7	97	3550
750	1000	3584	400D	96.7	96.6	96.2	88	86	79	77	650	501	100	200	43.7	108	3550
850	1140	3588	450D*	96.5	96.4	96	89	87	82	87	650	563	70	200	62.7	112	4550
900	1200	3587	450D*	96.6	96.5	96.1	89	88	84	92	620	568	70	200	66.4	115	4670
1000	1340	3588	450D*	96.7	96.6	96.2	89	88	82	102	650	661	70	200	69.1	126	4760
1120	1500	3587	450D*	96.7	96.6	96.2	89	88	83	114	630	717	70	200	71.9	137	4850
1250	1675	3588	450D*	96.8	96.7	96.3	88	87	81	128	650	834	80	200	75.6	148	4980

NOTE:
1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

4 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
150	200	1788	315C	93.9	93.8	93.4	83	79	69	17	653	110	100	210	18	213	1420
160	215	1786	315C	94	93.9	93.5	86	82	72	17	682	118	90	210	21.5	228	1500
185	250	1787	315C	94.2	94.1	93.7	86	82	72	20	691	138	100	200	22.6	261	1520
200	268	1786	315C	94.3	94.2	93.8	86	82	72	22	686	148	90	210	22.6	279	1520
220	300	1787	315C	94.5	94.4	94	86	82	72	24	697	165	110	200	25.5	308	1590
250	335	1786	315D	94.9	94.8	94.4	87	83	73	26	698	185	100	220	28.4	340	1840
260	350	1787	315D	95	94.9	94.5	87	83	73	28	701	193	100	220	30.2	353	1880
280	375	1787	315D	95.1	95	94.6	87	83	73	30	699	207	110	220	31.9	376	1920
300	400	1786	315D	95.1	95	94.6	87	83	73	32	694	220	110	220	36	398	2010
335	450	1787	315D	95.2	95.1	94.7	87	83	73	35	701	248	120	200	36	412	2010
355	475	1786	355C	95.4	95.3	94.9	84	81	72	39	594	230	100	210	34.5	429	2280
375	500	1785	355C	95.5	95.4	95	85	83	74	40	600	242	90	210	36.5	445	2240
425	570	1785	355C	95.5	95.4	95	85	83	75	46	600	275	90	210	38.6	479	2300
450	600	1785	355C	95.7	95.6	95.2	85	82	73	48	600	290	100	220	38.6	500	2300
475	635	1785	355C	95.9	95.8	95.4	85	82	74	51	600	306	100	220	40.6	526	2350
500	670	1785	355C	96	95.9	95.5	85	83	74	54	600	322	100	220	42.6	551	2410
530	710	1786	355C	96.1	96	95.6	84	80	70	57	610	350	110	230	44.7	580	2460
560	750	1788	355C*	96.3	96.2	95.8	85	82	74	60	600	359	80	200	44.7	605	2560
600	800	1787	400D	96.5	96.4	96	85	83	76	64	689	441	130	190	63.2	641	3560
630	845	1787	400D	96.6	96.5	96.1	86	84	77	66	702	466	130	190	67.9	670	3660
670	900	1788	400D	96.6	96.5	96.1	86	84	77	71	703	496	140	200	71.1	706	3740
750	1000	1790	400D*	96.8	96.7	96.3	88	86	79	77	715	551	70	200	71.1	770	3900
800	1070	1790	450D	96.2	96.1	95.7	86	83	79	85	637	539	90	210	134.7	833	4580
900	1200	1790	450D	96.3	96.2	95.8	86	83	75	95	620	589	90	210	148.8	896	4850
930	1250	1790	450D	96.3	96.2	95.8	86	83	75	98	620	609	90	210	155.9	925	4960
1000	1340	1790	450D	96.4	96.3	95.9	86	84	75	106	620	654	90	210	163	979	5070
1120	1500	1789	450D	96.5	96.4	96	86	84	76	118	620	732	90	210	168.3	1073	5160
1250	1675	1790	450D*	96.5	96.4	96	85	83	75	133	630	840	100	210	168.3	1170	5350
1350	1810	1792	500D*	96.6	96.5	96.1	87	85	78	141	620	871	70	210	221.8	1394	7350
1400	1880	1792	500D*	96.6	96.5	96.1	87	85	79	146	620	903	70	210	230.4	1435	7480
1500	2000	1792	500D*	96.7	96.6	96.2	87	85	79	156	620	967	70	210	243.3	1504	7690

6 Pole

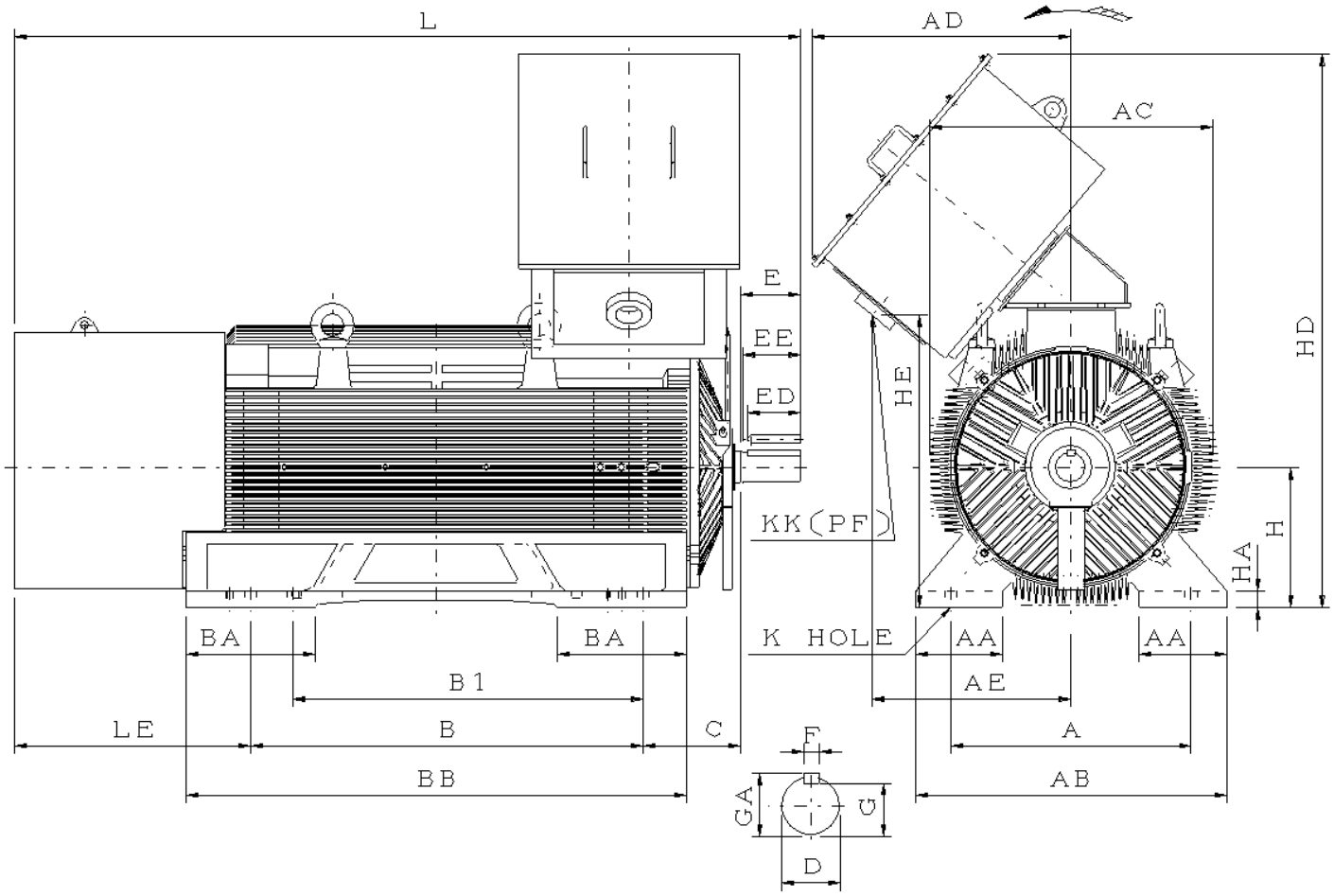
Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
150	200	1188	315C	93.9	93.8	93.4	79	74	64	18	622	110	90	210	23.5	696	1530
160	215	1188	315C	94	93.9	93.5	80	75	65	19	634	118	90	200	25.3	744	1580
185	250	1189	315C	94.2	94.1	93.7	78	73	63	22	627	138	100	200	27	852	1630
200	268	1188	315C	94.3	94.2	93.8	80	75	65	23	638	148	90	220	29.4	910	1670
220	300	1188	315D	94.4	94.3	93.9	80	75	65	25	647	165	90	210	35.3	1008	1960
250	335	1189	315D	94.5	94.4	94	79	74	64	29	632	185	110	210	37.6	1111	2010
260	350	1188	315D	94.6	94.5	94.1	81	76	66	30	650	193	90	210	39.4	1159	2060
300	400	1190	355C	95	94.9	94.5	81	78	70	34	578	197	90	200	56.2	1287	2370
335	450	1190	355C	95.1	95	94.6	81	79	70	38	589	224	90	200	62.4	1415	2380
375	500	1190	355C	95.2	95.1	94.7	81	79	70	43	580	247	90	200	65.4	1555	2390
425	570	1190	355C	95.4	95.3	94.9	81	78	68	48	580	279	90	200	68.5	1746	2450
450	600	1191	355C*	95.8	95.7	95.3	78	73	62	53	580	306	80	190	68.5	1829	2560
475	635	1192	400D	95.9	95.8	95.4	81	77	67	53	654	350	80	220	85.8	1922	3330
530	710	1192	400D	96.1	96	95.6	81	77	66	60	656	391	90	220	101.8	2120	3590
560	750	1191	400D	96.2	96.1	95.7	81	77	66	63	657	413	90	200	106.7	2269	3670
600	800	1192	400D	96.2	96.1	95.7	81	77	66	67	655	441	90	220	106.7	2354	3670
630	845	1192	400D*	96.2	96.1	95.7	80	76	65	72	651	466	90	200	106.7	2470	3820
670	900	1191	450D	96	95.9	95.5	85	82	74	72	578	415	110	200	144.3	2662	4640
750	1000	1191	450D	96.1	96	95.6	84	82	74	81	610	496	80	200	160.6	2855	4930
800	1070	1191	450D	96.1	96	95.6	85	83	75	86	580	497	80	200	169.6	3024	5070
850	1140	1192	450D	96.2	96.1	95.7	85	82	73	91	630	573	80	200	175	3193	5150
900	1200	1193	450D*	96.2	96.1	95.7	85	82	73	96	630	607	80	200	175	3334	5330
930	1250	1194	500D*	96.7	96.6	96.2	84	80	70	100	630	631	70	210	208.2	3501	6100
1000	1340	1194	500D*	96.7	96.6	96.2	84	80	69	108	650	700	70	210	226.6	3704	6330
1120	1500	1194	500D*	96.8	96.7	96.3	84	80	70	120	650	783	70	210	245	4079	6570
1250	1675	1194	500D*	96.9	96.8	96.4	85	81	72	133	650	863	70	210	281.7	4459	6960
1350	1810	1194	500D*	96.9	96.8	96.4	85	82	73	143	659	945	70	210	309.3	4679	7120
1400	1880	1194	500D*	96.9	96.8	96.4	85	82	73	149	650	966	70	210	321.5	4900	7430

8 Pole

Output		Full Load	Frame NO.	% of full load						Current			Torque		Rotor GD²	Max Load GD²	APPROX. WEIGHT
				Efficiency			Power Factor										
kW	HP	(rpm)	(EG)	100	75	50	100	75	50	Rated (A)	Starting (%)	Starting (A)	Starting (%)	Max. (%)	(kg-m²)	(kg-m²)	KGS
150	200	891	315D	92.8	92.7	92.3	78	73	63	18	607	110	90	200	43.5	1559	1850
160	215	891	315D	93	92.9	92.5	79	74	64	19	619	118	80	200	49.2	1666	1950
185	250	891	315D	93.2	93.1	92.7	78	73	63	22	620	138	90	200	54	1914	2030
200	268	891	315D	93.7	93.6	93.2	78	73	63	24	618	148	90	200	56.4	2040	2070
220	300	891	315D*	94.1	94	93.6	81	76	66	25	653	165	80	200	80.1	2262	2140
250	335	892	355C	94.1	94	93.6	78	73	63	30	621	185	90	200	81.4	2495	2510
260	350	892	355C	94.2	94.1	93.7	79	74	64	31	631	193	90	200	85.1	2597	2570
280	375	892	355C	94.2	94.1	93.7	79	74	64	33	629	207	90	190	90	2765	2630
300	400	892	355C*	94.7	94.6	94.2	81	76	66	34	643	220	90	190	90	2932	2750
315	425	892	400D	94.8	94.7	94.3	73	66	52	40	588	234	90	200	80.6	3029	3140
355	475	892	400D	95	94.9	94.5	75	68	55	44	574	250	90	200	91.3	3223	3300
400	535	891	400D	95.1	95	94.6	75	70	58	49	599	294	90	200	102.1	3320	3450
425	570	891	400D	95.2	95.1	94.7	75	70	58	52	603	314	90	200	107.5	3400	3550
450	600	890	400D	95.2	95.1	94.7	76	70	58	54	607	330	90	200	114.2	3600	3640
475	635	890	400D	95.2	95.1	94.7	77	73	62	57	616	349	80	200	118.2	3660	3690
560	750	893	450D	95.9	95.8	95.4	74	68	55	69	560	387	80	210	153.4	4780	4780
600	800	893	450D	95.9	95.8	95.4	73	67	54	75	570	427	80	210	162.4	4920	4920
650	870	893	450D	96	95.9	95.5	75	69	56	79	570	450	80	210	180.4	5180	5180
670	900	892	450D	96	95.9	95.5	76	71	58	80	550	442	70	200	187.6	5290	5290
750	1000	892	450D	96.1	96	95.6	75	69	56	91	560	510	80	210	193.1	5400	5400
800	1070	895	450D*	96.1	96	95.6	71	65	51	103	570	585	70	200	198.5	5670	5670
850	1140	894	500D*	96.5	96.4	96	78	73	61	99	590	583	70	200	251.8	6560	6560
900	1200	894	500D*	96.5	96.4	96	79	74	63	103	583	602	70	200	285.6	6830	6740
930	1250	894	500D*	96.6	96.5	96.1	79	74	63	107	600	640	70	200	304	7100	7100
1000	1340	894	500D*	96.6	96.5	96.1	79	73	61	115	620	711	70	200	331.7	7390	7390
1120	1500	894	500D*	96.7	96.6	96.2	79	75	63	128	610	782	70	200	377.7	7930	7930
1250	1675	894	500D*	96.8	96.7	96.3	79	75	63	143	600	858	70	200	377.7	7940	7940

NOTE:

1. Test standard: IEC 60034-2-1 or IEEE112.
2. Tolerance: IEC 60034-1
3. Number of consec. starts: 2 Cold 1 Hot
4. Data presented in rating lists are typical values. Guaranteed values on request. Legally binding performance and specification data is given to the end user once each order is confirmed.
5. This performance data is only for sinepower, not suitable for PWM power source.
6. The voltage and frequency combinations not included in performance data are quoted case by case.
7. * : Copper rotor.
8. Without * : Aluminum rotor.

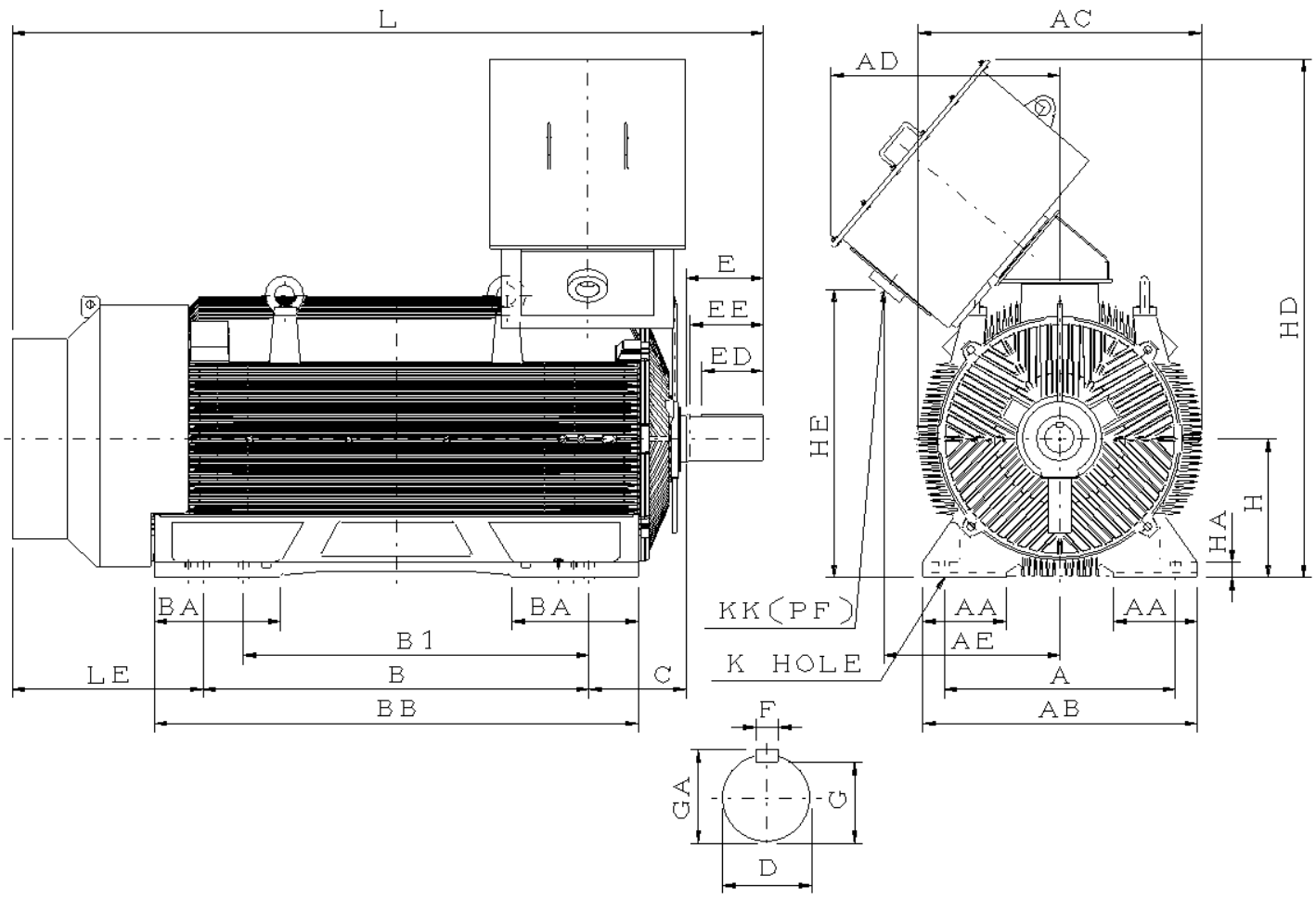


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315CA - 70R	2	508	150	650	701	740	570	710	560	260	880	216	70	140	110	134

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315CA - 70R	20	62.5	74.5	315	45	1413	668	28	3''	1606	540	6315C3	6315C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

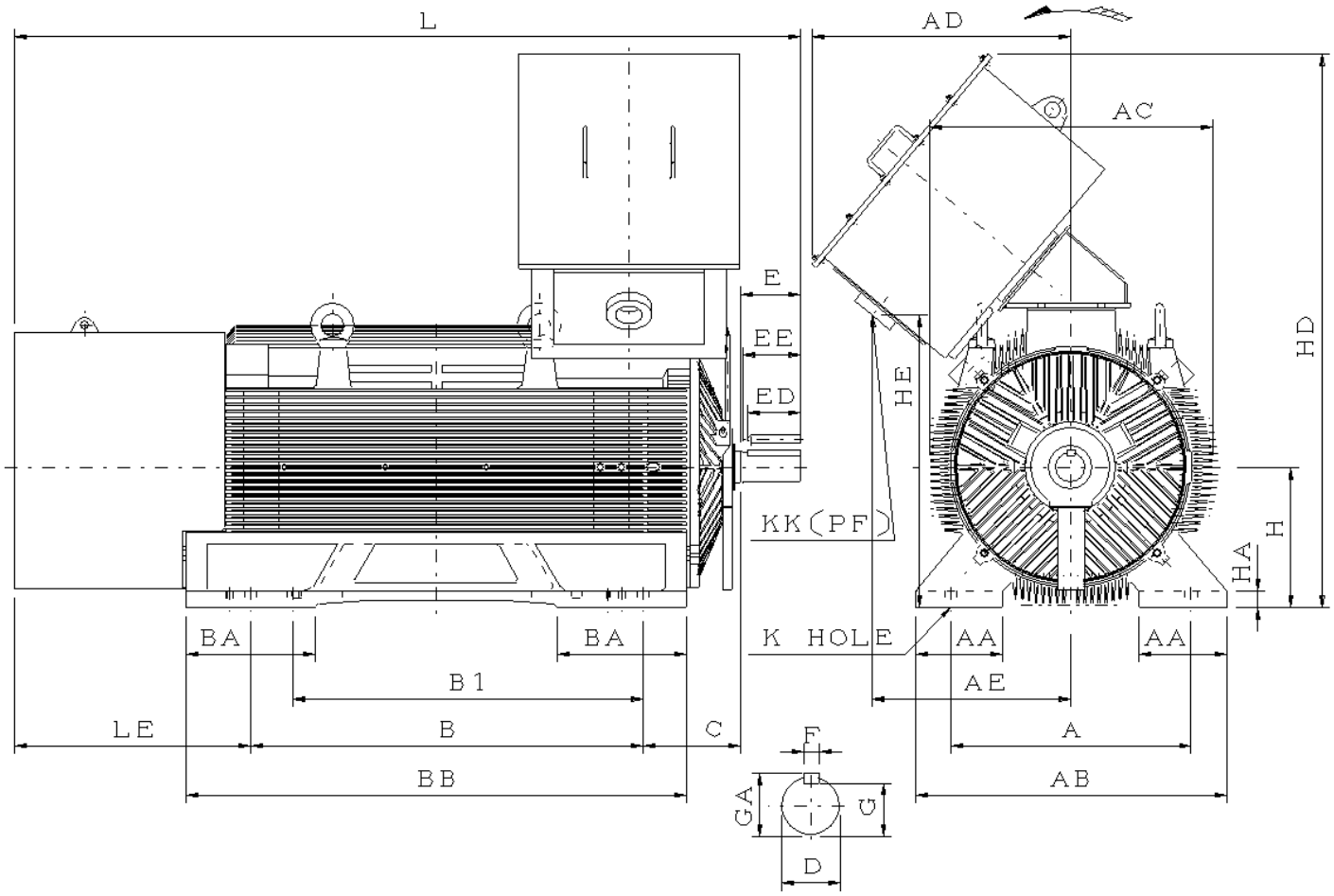


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315CB - 95R	4 6 8	508	150	650	701	740	570	710	560	260	880	216	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315CB - 95R	25	86	100	315	45	1413	668	28	3"	1621	525	6220	6220

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

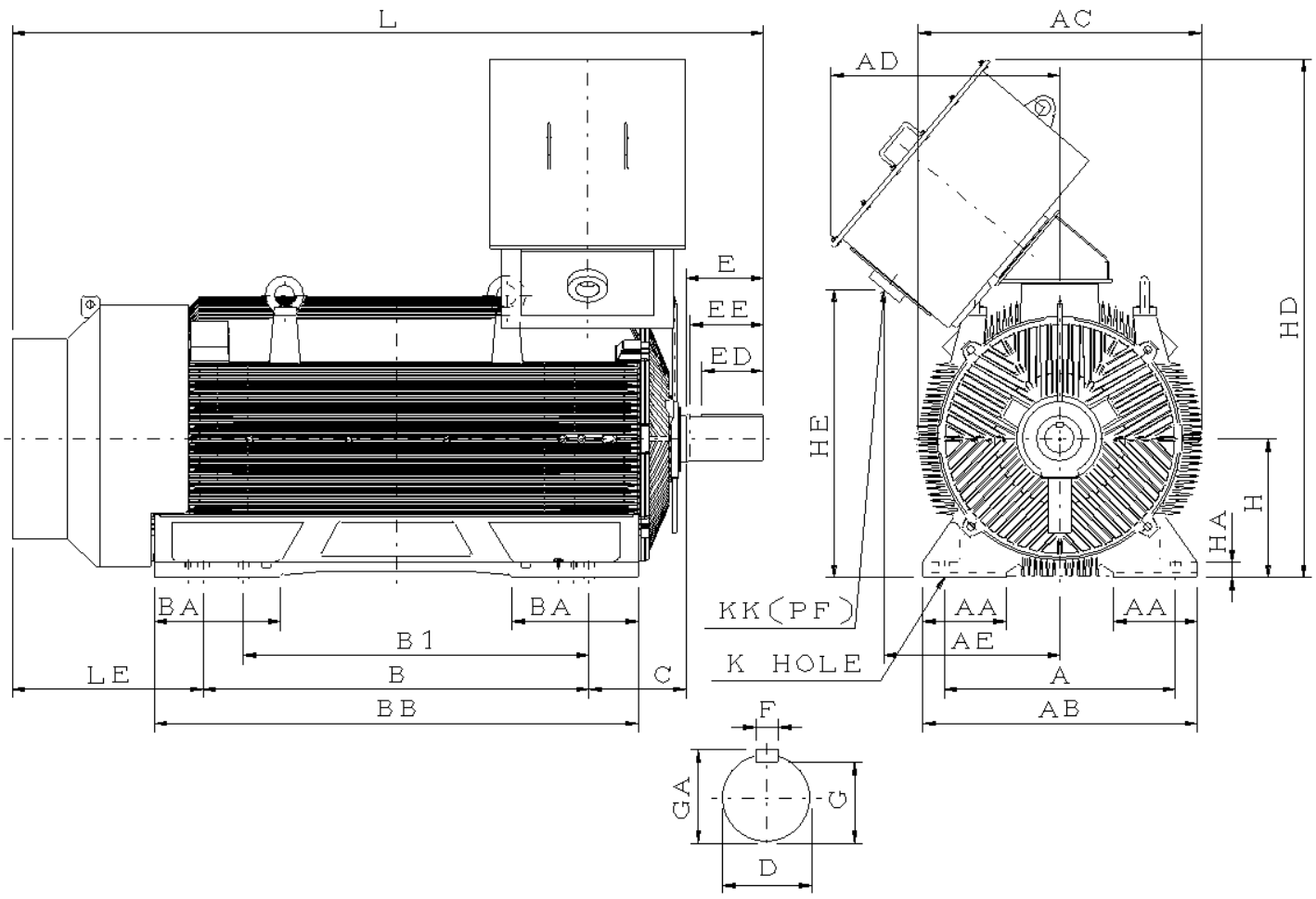


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315DA - 70R	2	508	150	650	701	740	570	910	710	315	1080	216	70	140	110	134

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315DA - 70R	20	62.5	74.5	315	45	1413	668	28	3"	1806	540	6315C3	6315C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

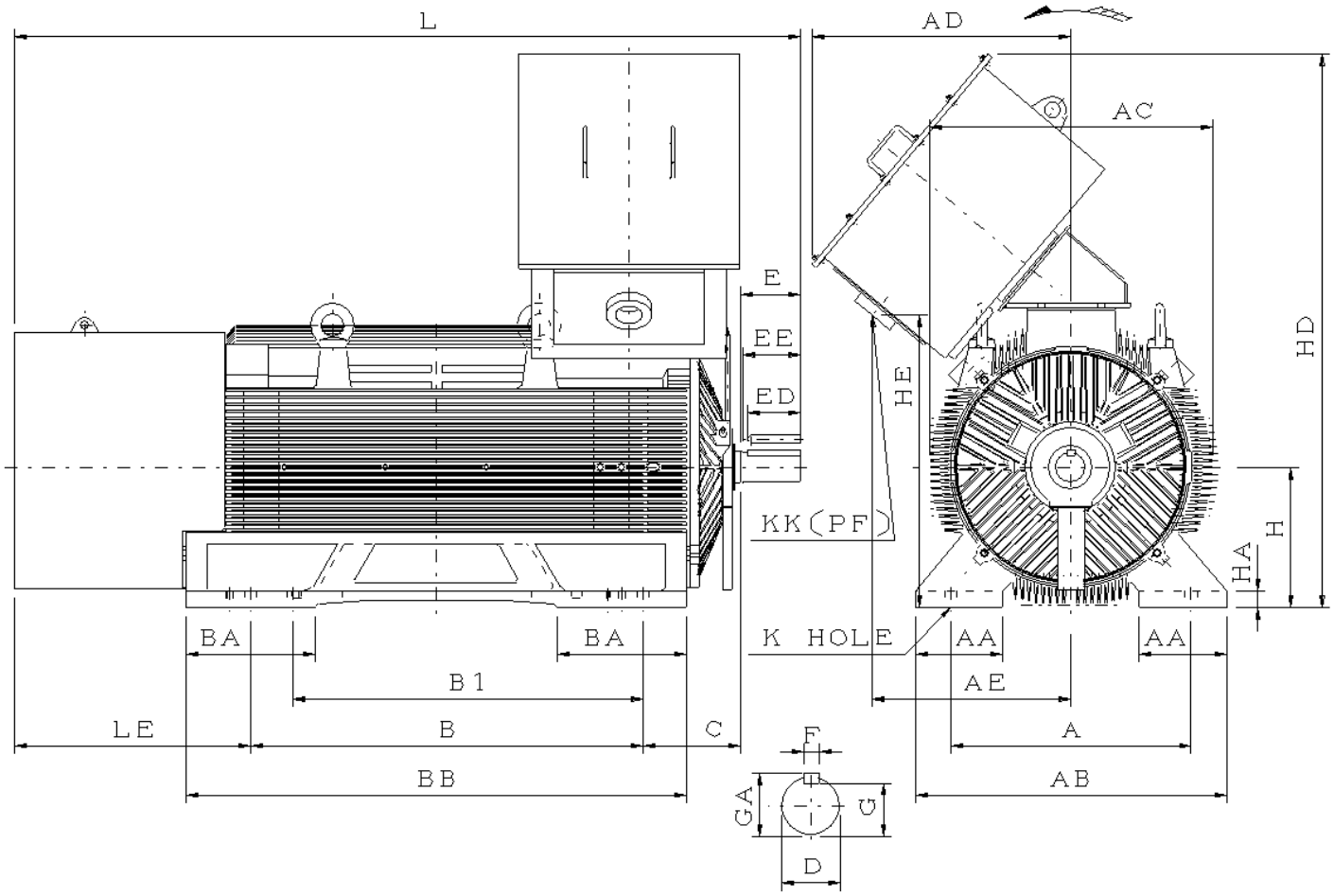


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
315DB - 95R	4 6 8	508	150	650	701	740	570	910	710	315	1080	216	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
315DB - 95R	25	86	100	315	45	1413	668	28	3"	1821	525	6220	6220

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

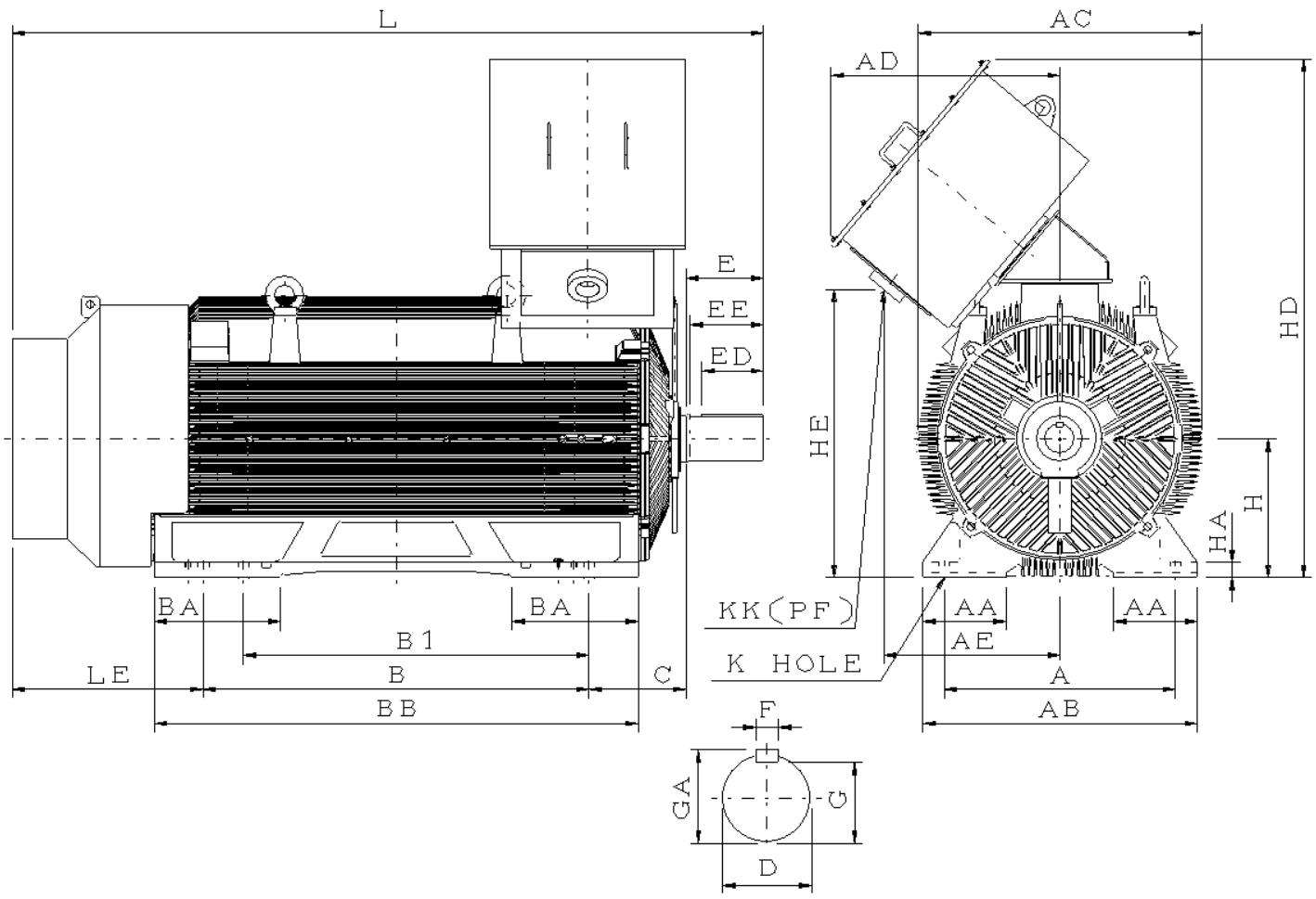


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
355CA - 70R	2	610	160	750	761	739	569	900	-	270	1180	254	70	140	110	134

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
355CA - 70R	20	62.5	74.5	355	45	1504	759	28	3''	1889	595	6315C3	6315C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

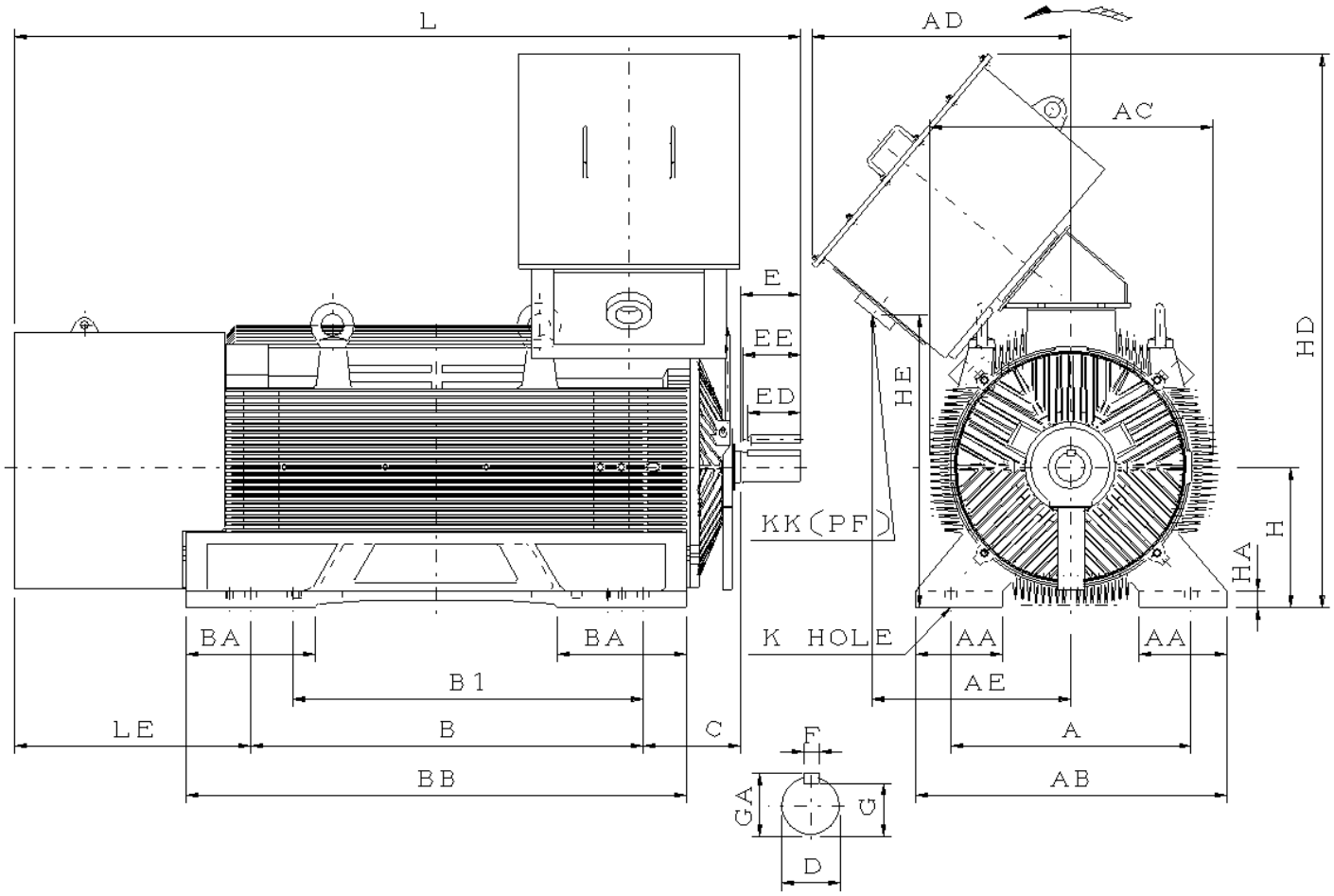


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
355CB - 95R	4 6 8	610	160	750	761	739	569	900	-	270	1180	254	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
355CB - 95R	25	86	100	355	45	1504	759	28	3''	1894	570	6222	6220

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

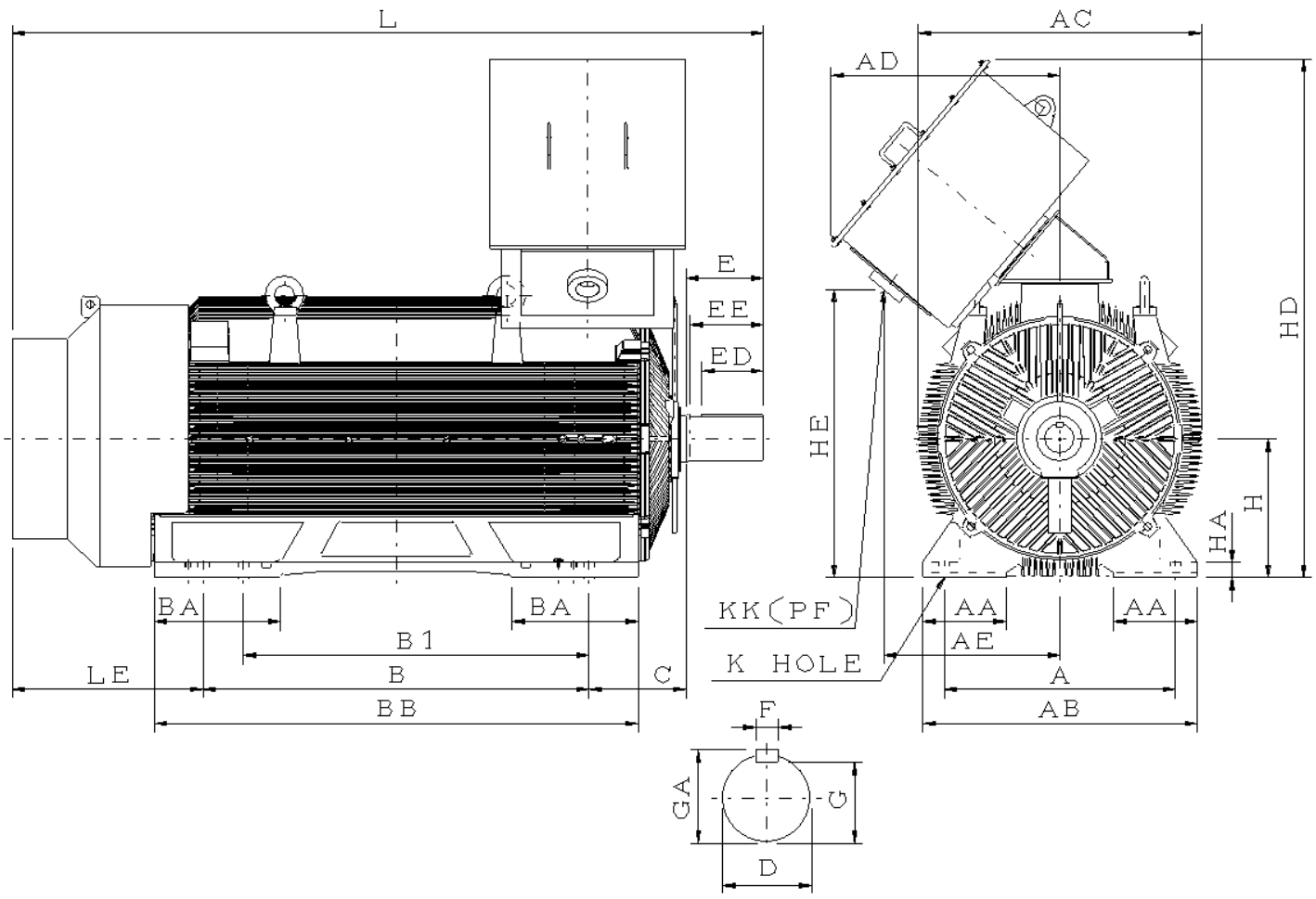


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
400DA - 85R	2	686	250	890	810	739	569	1120	1000	370	1430	280	85	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
400DA - 85R	22	76	90	400	45	1579	834	35	3.5''	2245	675	6218C3	6218C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

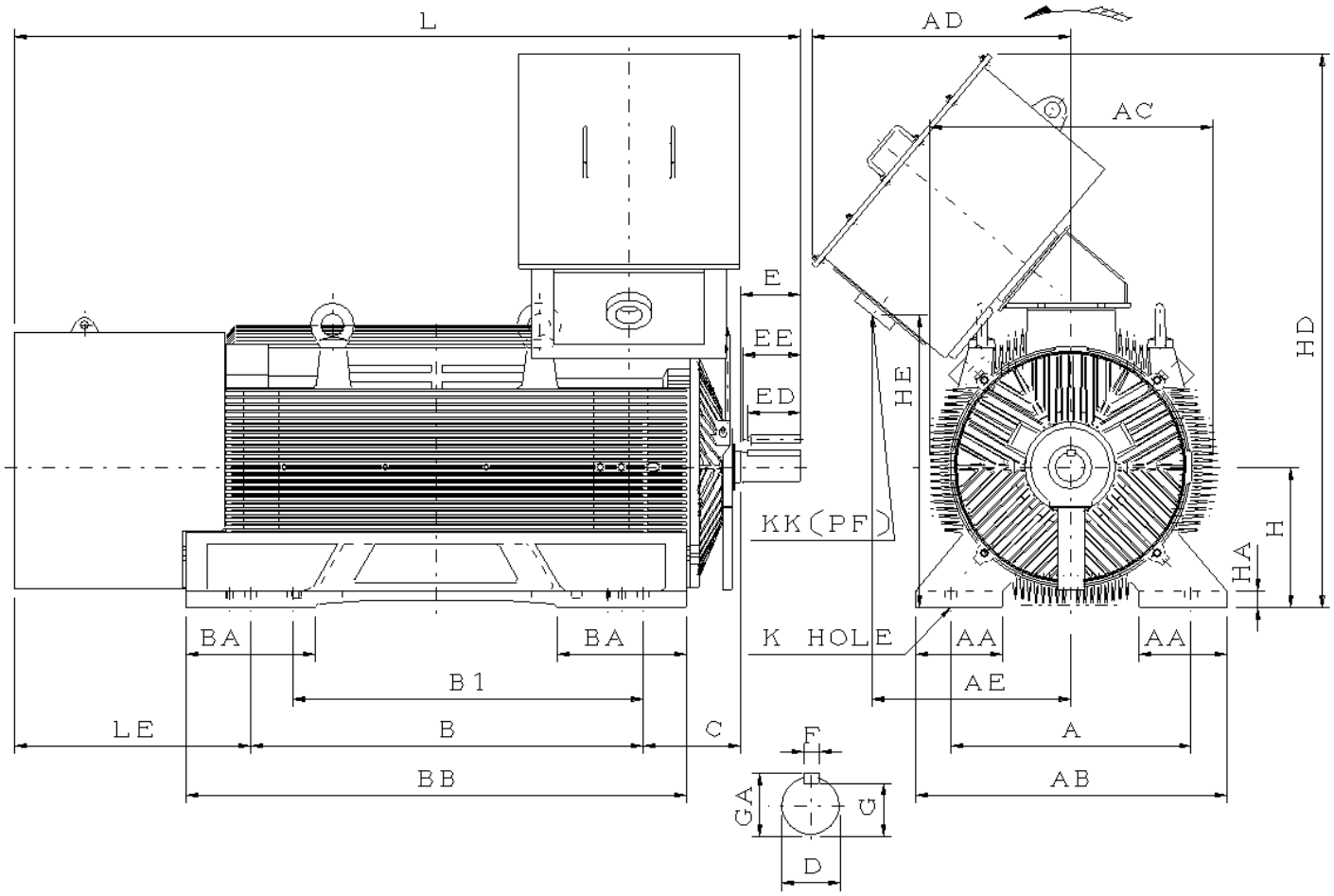


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
400DB - 125R	4 6 8	686	250	890	810	739	569	1120	1000	370	1430	280	125	210	160	197

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
400DB - 125R	32	114	132	400	45	1579	834	35	3.5''	2240	630	6226	6222

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

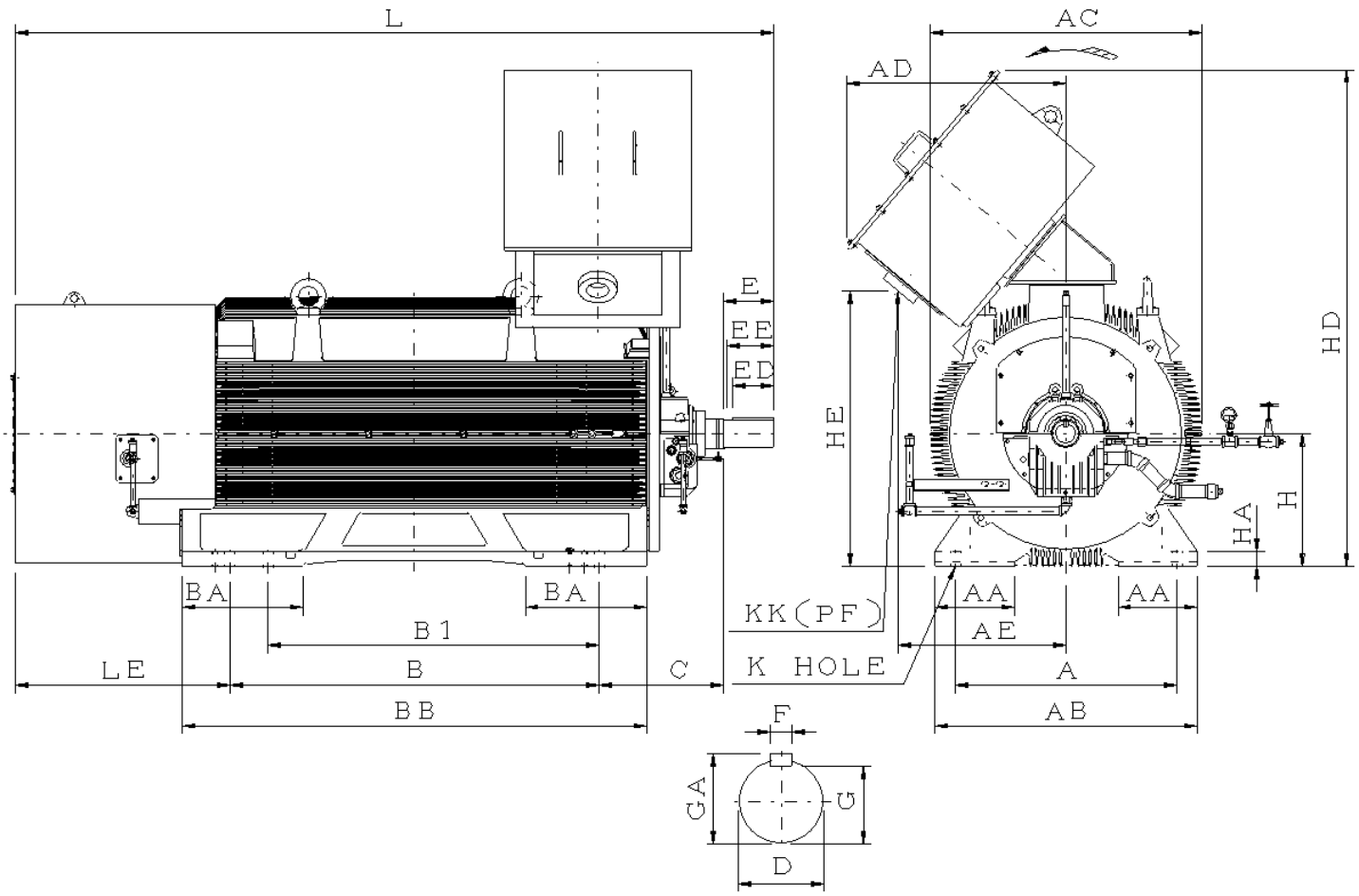


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
450DA - 95R	2 (50Hz)	750	270	890	920	742	570	1250	1120	410	1570	315	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
450DA - 95R	25	86	100	450	50	1681	934	35	3.5''	2385	650	6220C3	6220C3

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

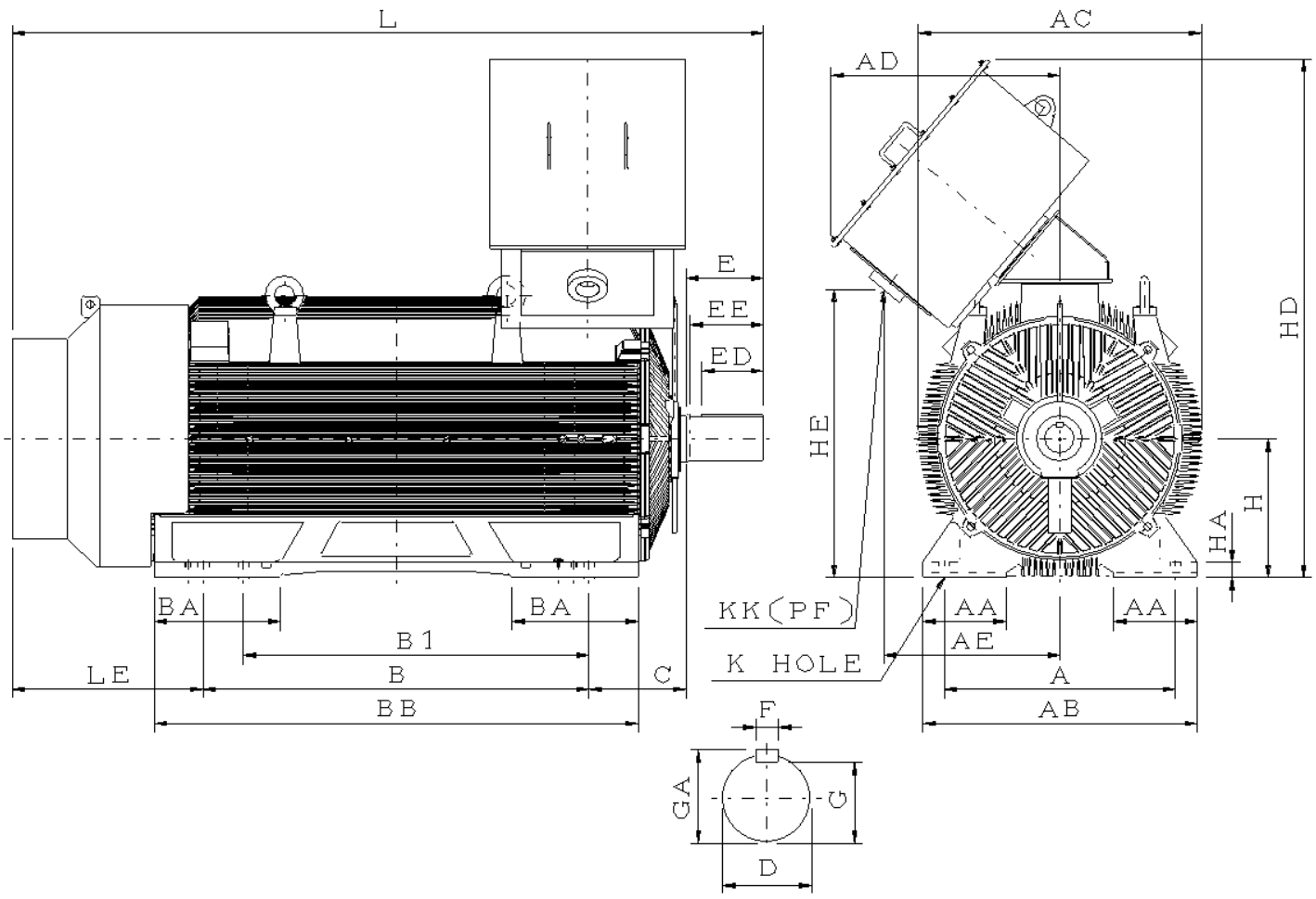


(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
450DA - 95V	2 (60Hz)	750	270	890	920	742	570	1250	1120	410	1570	420	95	170	140	157

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
450DA - 95V	25	86	1000	450	50	1681	934	35	3.5''	2610	770	EMZLB 9S-80	EMZLB 9S-80

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE



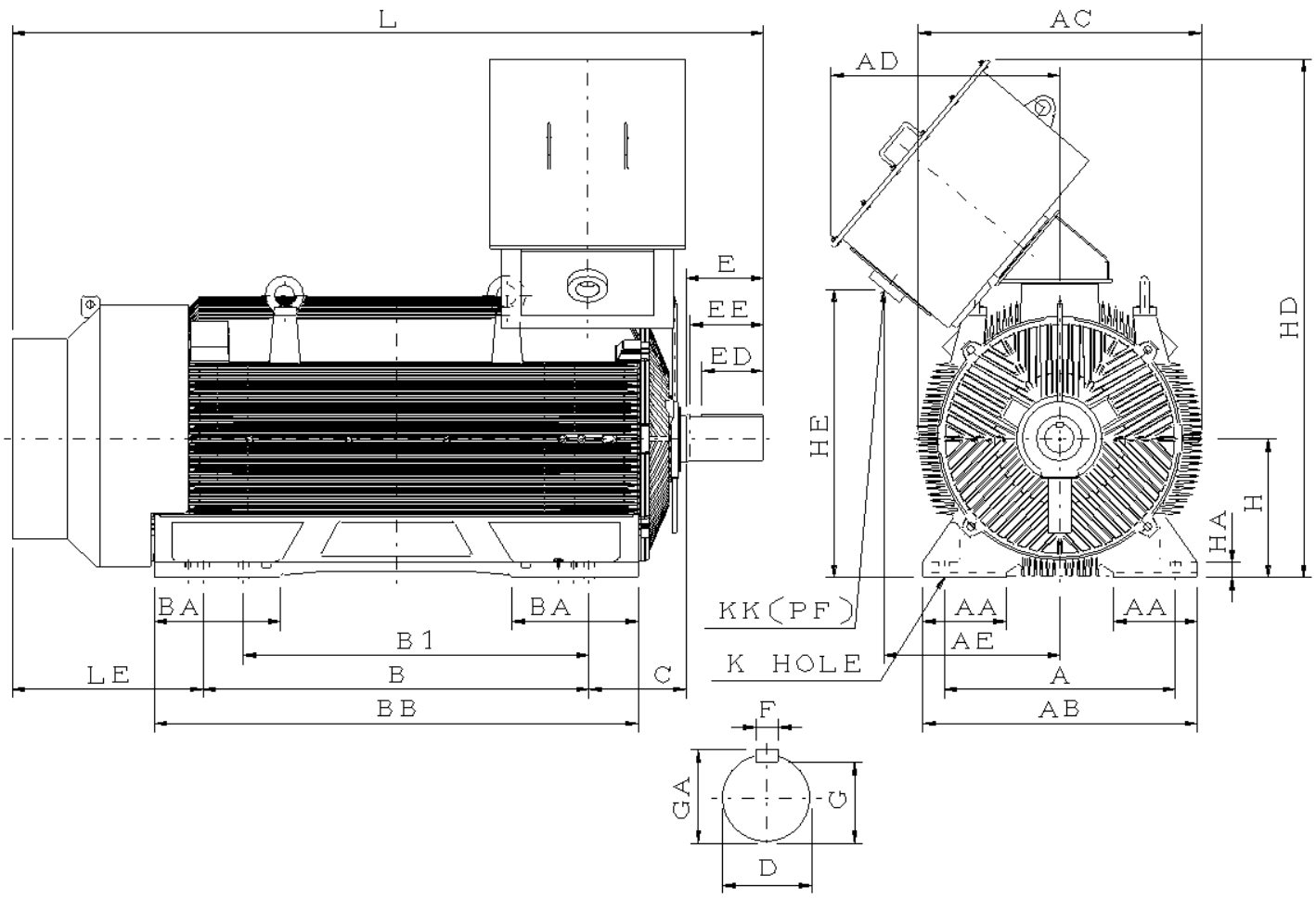
(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
450DB - 140R	4 6 8	750	270	890	920	742	570	1250	1120	410	1570	315	140	250	200	237

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
450DB - 140R	36	128	148	450	50	1681	934	35	3.5''	2435	620	6230	6226

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

AFJP - Frame 500DB - 140R



(Dimensions in mm)

FRAME NO.	POLE	A	AA	AB	AC	AD	AE	B	B1	BA	BB	C	D	E	ED	EE
500DB - 140R	4 6 8	850	345	1250	1004	742	570	1400	1250	460	1750	335	140	250	200	237

FRAME NO.	F	G	GA	H	HA	HD	HE	K	KK	L	LE	BEARING	
												DRIVE-END	OPP. DRIVE-END
500DB - 140R	36	128	148	500	50	1841	1094	35	3.5''	2620	635	6330	6326

NOTE: 1. TOLERANCE OF SHAFT END DIAMETER D: m6
2. TOLERANCE OF SHAFT CENTER HEIGHT H: +0, -1
3. FOR DIRECT FLEXIBLE COUPLING
4. USABLE SHAFT LENGTH: EE

Variable Frequency Drive

Compatible with Low Voltage Motors

TECO offers A510s / F510 series with vector control algorithms with or without pulse generators, which meet a fan, pump, and industry machinery application.

Robust Design

PCB coating for all series to against harsh environment, meet IEC 60721-3-3 Class3C2 standard.

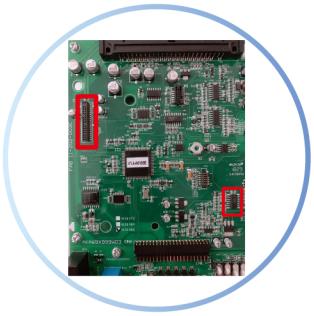
meet IEC 60721-3-3
Class 3C2

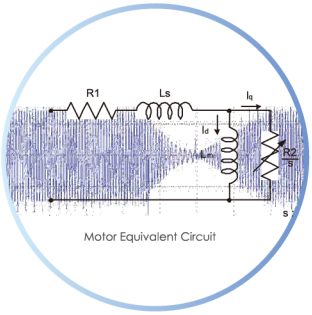
Advanced Motor

Multiple Auto-Tuning Modes	
Rotational mode	When the load can be uncoupled
Static mode	When the load can not be uncoupled
Static resistance measurement mode	When the motor cable is too long

Flexible Expansion Capacity

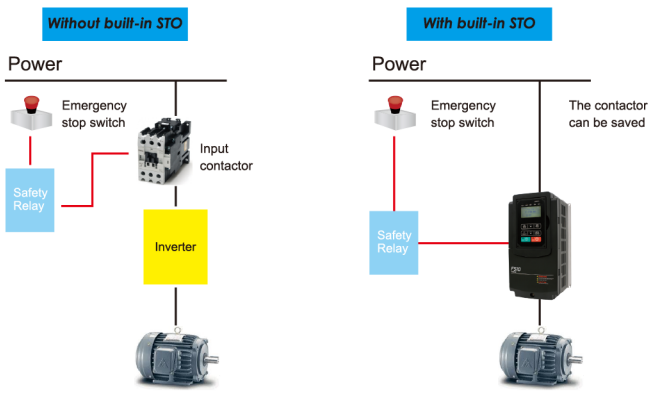
Support Communication Card/ IO Expansion Card/ DC24V Power Card





Built-in STO function

A510s/F510 built-in Safety Torque Off function, complies with EN ISO 13849-1 Cat/PLd, EN 61508 SIL2, EN 60204-1 Category 0, EN 62061 SIL CL2.



Conformity to Global Standards

Conformity to RoHS directive and international recognized certification.

RoHS

UL/cUL approval and CE/RCM certification.

Variable Frequency Drive

Compatible with **Medium/High Voltage Motors**

TECO MV510 series can provide perfect control solutions for users' high voltage AC (synchronous/induction) motors to realize soft start, speed regulation, energy saving and intelligent control.

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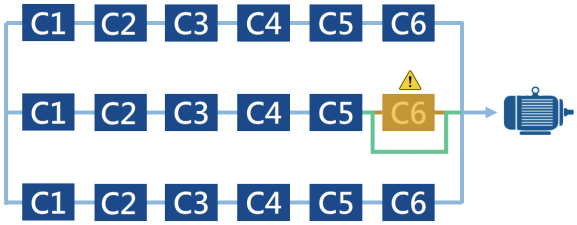
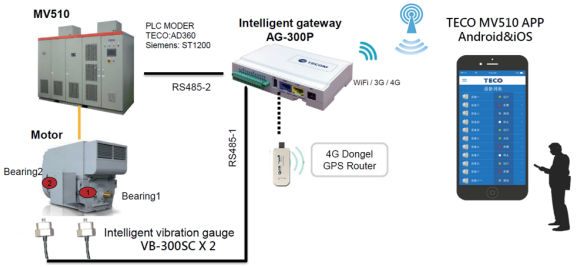


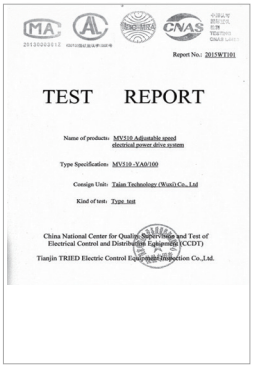
IIoT Solution
TECO smart MVD + TECO smart Motor

Always connec ted to the Indu strial In ternet of Things , the mobile phone can per form r emot e, monitoring , reporting, warning, diagnosis and other operations at any time.



TUV Certificate and Quality Assurance

TECO Medium Voltage Inverter is reliability and certificated.



Note

TECO

together, we empower the Future

For more information,
please visit TECO website.

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