

PRODUCT NOTE

MODEL : **AFJN**

STANDARD 3-PHASE IE3 EFFICIENCY INDUCTION MOTORS
LOW VOLTAGE SQUIRREL CAGE
FRAME NO. (EG) 315CA ~ 400DB



DWG NO.

3A057M349E

REV. 02

		SPECIFICATION TABLE		MODEL
		3-PHASE IE3 EFFICIENCY INDUCTION MOTORS		AFJN
		LOW VOLTAGE SQUIRREL CAGE		
ITEM		STANDARD SPECIFICATION		
RATING	KIND OF MOTOR	SQUIRREL-CAGE INDUCTION MOTOR (SCIM), PREMIUM EFFICIENCY - IE3		
	DESIGN STANDARD	IEC		
	VOLTAGE	400V, 440V		
	FREQUENCY	50HZ (400V) 、 60HZ (440V)		
	OUTPUT RANGE	160 ~ 800 kW (215 ~ 1070 HP)		
	R.P.M. (SYN.)	3000 ~ 750R.P.M. (2 ~ 8 POLE) 50HZ; 3600 ~ 900R.P.M. (2 ~ 8 POLE) 60HZ		
	TIME DUTY	CONTINUOUS S.F. 1.0 (S1, MCR)		
	FRAME NO. (EG)	315CA ~ 400DB		
	PROTECTION ENCLOSURE	TOTALLY ENCLOSED (IP54)		
	COOLING METHOD	SELF EXTERNAL FAN, SURFACE COOLING (IC 411)		
	MOUNTING	HORIZONTAL FOOT MOUNTING (IM 1001, B3)		
APPLICATION	POWER CONDITIONS	VOLTAGE : ± 10%, FREQUENCY : ± 5%, AND 10% MAX. OF COMBINED VOLTAGE AND FREQUENCY. BUT FREQUENCY VARIATION DOES NOT EXCEED ± 5%		
	ENVIRONMENT CONDITIONS	PLACE : SHADOW, NON-HAZARDOUS AMBIENT TEMPERATURE : -20 ~ 40℃ RELATIVE HUMIDITY : LESS THAN 95% RH (NON-CONDENSATION) 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		
	METHOD OF STARTING	FULL VOLTAGE DIRECT-ON-LINE OR Y - Δ STARTING		
PERFORMANCE	TEST PROCEDURE	IEC 60034-2-1		
	TYPICAL PERFORMANCE	AS DWG NO. 3A057M354E 、 3A057M356E		
	TEMPERATURE RISE	NOT TO EXCEED 80℃ BY RESISTANCE METHOD		
	OVER SPEED	120% SYN. R.P.M. FOR TWO MIN.		
	OVER TORQUE	160% RATED TORQUE FOR 15 SEC		

		PERFORMANCE DATA															MODEL			
		3-PHASE IE3 EFFICIENCY INDUCTION MOTORS LOW VOLTAGE SQUIRREL CAGE															AFJN			
		400V 50Hz																		
TEFC, 2P 400V 50HZ																				
OUTPUT		FULL LOAD RPM	FRAME NO. (EG)	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall Time(s)		ROTOR GD ² KG-M ²	Max. Load GD ² KG-M ²	APPROX. WEIGHT KGS	
kW	HP			FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	Rated A	Starting %	Starting A	Starting %	Max. %	HOT SEC	COLD SEC				
250	335	2977	315CA	95.9	95.9	95.4	87.7	86.8	81.6	429	710	3046	100	200	20	27	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	18	24	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	19	25	9.5	79	1580	
300	400	2978	315CA	96.0	96.0	95.5	88.1	86.7	80.8	512	710	3637	100	200	15	20	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	15	20	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	15	20	11.4	93	1840	
355	475	2979	315DA	96.2	96.2	95.7	89.0	87.7	82.2	599	721	4319	120	220	16	21	12.4	97	1890	
375	500	2979	315DA	96.2	96.2	95.7	89.2	88.0	82.7	631	721	4547	120	220	16	22	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	14	19	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	25	33	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	24	32	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	31	35	24.0	124	2430	
500	670	2979	355CA	96.4	96.4	95.9	90.6	90.0	85.9	827	737	6092	100	200	30	35	25.2	130	2520	
530	710	2978	355CA	96.4	96.4	95.9	90.3	89.9	86.0	878	735	6456	110	200	29	35	25.2	137	2530	
560	750	2983	400DA	96.5	96.5	96.0	88.0	86.8	80.8	952	716	6820	140	220	32	40	33.5	143	3190	
600	800	2984	400DA	96.6	96.6	96.1	88.0	86.7	80.4	1019	714	7275	140	220	30	38	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	27	35	40.2	157	3390	
650	870	2986	400DA	96.6	96.6	96.1	88.5	86.7	80.0	1097	721	7911	140	230	31	39	42.5	161	3460	
670	900	2985	400DA	96.7	96.7	96.2	88.6	87.0	81.0	1129	725	8184	150	230	28	35	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	27	35	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.																				

TEFC, 4P 400V 50HZ

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
kW	HP	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
				LOAD	LOAD	LOAD	LOAD	LOAD	LOAD						HOT	COLD			
		RPM	(EG)	%	%	%	%	%	%	A	%	A	%	%	SEC	SEC	KG-M ²	KG-M ²	KGS
250	335	1486	315CB	96.0	95.8	95.6	86.2	83.6	76.0	436	699	3046	120	230	22	27	22.6	524	1580
260	350	1487	315CB	96.0	95.8	95.6	86.0	83.1	75.0	455	700	3183	130	240	22	28	25.5	545	1650
280	375	1486	315CB	96.0	95.8	95.6	87.1	84.9	78.2	484	705	3410	120	230	19	23	26.0	579	1650
300	400	1487	315CB	96.0	95.8	95.6	86.7	84.2	76.8	520	699	3637	120	230	18	23	27.2	614	1690
315	425	1487	315CB	96.0	95.8	95.6	86.6	83.9	76.3	547	707	3865	130	240	17	21	28.9	648	1740
340	450	1487	315CB	96.0	95.8	95.6	86.9	84.3	77.1	588	696	4092	120	230	19	24	30.1	681	1760
355	475	1486	315DB	96.0	95.8	95.6	87.0	84.6	77.5	613	704	4319	130	240	17	21	31.3	715	1940
375	500	1487	315DB	96.0	95.8	95.6	87.3	84.9	77.8	646	704	4547	130	240	17	21	34.1	748	1990
400	535	1487	315DB	96.0	95.8	95.6	87.3	84.6	77.4	689	706	4865	130	240	16	20	37.0	794	2060
425	570	1487	315DB	96.0	95.8	95.6	87.4	84.9	77.8	731	709	5183	130	240	26	31	38.8	839	2110
450	600	1487	315DB	96.0	95.8	95.6	87.4	84.9	77.7	774	705	5456	130	240	27	32	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	24	29	45.0	922	2410
500	670	1487	355CB	96.1	95.9	95.7	85.3	82.0	73.7	880	692	6092	110	210	21	27	47.4	966	2470
530	710	1487	355CB	96.3	96.1	95.9	85.3	82.0	73.6	931	693	6456	120	220	23	29	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	23	27	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	27	32	55.3	1126	2640
630	845	1488	400DB	96.4	96.2	96.0	86.2	83.5	75.7	1094	702	7684	140	220	26	31	70.2	1168	3380
650	870	1489	400DB	96.4	96.2	96.0	85.9	82.9	73.8	1133	698	7911	140	230	26	31	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	26	31	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	25	30	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	24	29	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.

TEFC, 6P 400V 50HZ

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
kW	HP	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
				LOAD	LOAD	LOAD	LOAD	LOAD	LOAD						HOT	COLD			
		RPM	(EG)	%	%	%	%	%	%	A	%	A	%	%	SEC	SEC	KG-M ²	KG-M ²	KGS
200	268	989	315CB	95.8	95.6	95.4	82.5	78.9	69.1	365	667	2437	130	230	20	25	36.1	875	1650
220	300	989	315CB	95.8	95.6	95.4	82.3	79.0	69.2	403	677	2728	130	230	21	26	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	22	28	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	23	29	44.1	1217	1790
280	375	988	315DB	95.8	95.6	95.4	83.4	80.6	72.0	506	674	3410	130	230	21	26	46.6	1199	1970
300	400	987	315DB	95.8	95.6	95.4	83.2	80.0	70.8	543	670	3637	130	230	21	26	49.0	1253	2010
315	425	988	315DB	95.8	95.6	95.4	83.6	81.1	72.7	567	681	3865	130	230	19	23	51.4	1339	2050
340	450	988	315DB	95.8	95.6	95.4	83.7	81.0	72.4	612	669	4092	130	230	25	30	55.4	1382	2120
355	475	988	315DB	95.8	95.6	95.4	83.8	81.3	73.0	638	677	4319	130	230	23	28	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	24	30	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	24	29	58.3	1631	2410
425	570	990	355CB	95.8	95.6	95.4	81.9	78.0	67.8	782	663	5183	110	220	23	28	65.4	1771	2520
450	600	990	355CB	95.8	95.6	95.4	82.0	78.1	68.1	827	660	5456	110	220	24	28	68.5	1940	2580
475	635	990	355CB	95.9	95.7	95.5	82.0	78.1	68.0	872	662	5774	110	220	24	29	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	23	28	75.7	2430	2710
530	710	990	400DB	96.0	95.8	95.6	83.8	81.1	72.2	951	679	6459	140	220	25	29	90.9	2664	3470
560	750	990	400DB	96.0	95.8	95.6	83.5	80.6	71.4	1008	687	6926	140	210	25	29	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	24	29	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	23	28	101.9	3105	3640
650	870	990	400DB	96.2	96.0	95.8	83.7	81.1	72.2	1165	679	7911	150	220	23	28	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.
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.

TEFC, 8P 400V 50HZ

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
kW	HP	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
		RPM	(EG)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	%	%	HOT	COLD	KG-M ²	KG-M ²	KGS
160	215	738	315CB	94.3	94.1	93.9	75.9	70.9	58.9	323	606	1955	110	210	23	29	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	20	24	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	21	26	41.1	2066	1720
220	300	739	315CB	94.6	94.4	94.2	76.1	71.0	57.7	441	619	2728	110	210	20	25	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	22	27	54.0	2765	2070
260	350	740	315DB	94.9	94.7	94.5	75.6	69.0	56.1	523	609	3183	120	230	21	26	57.2	2804	2120
280	375	740	315DB	95.0	94.8	94.6	75.3	68.5	55.4	565	604	3410	120	230	20	25	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	19	24	67.8	2894	2360
315	425	740	355CB	95.2	95.0	94.8	76.4	71.7	59.9	625	618	3865	150	220	21	26	74.0	3164	2450
340	450	740	355CB	95.2	95.0	94.8	76.6	71.1	59.0	673	608	4092	150	220	23	28	78.9	3233	2520
355	475	740	355CB	95.2	95.0	94.8	75.6	69.4	56.7	712	613	4362	140	230	31	37	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	31	37	83.8	3510	2590
400	535	740	355CB	95.4	95.2	95.0	75.5	70.2	56.7	802	607	4865	150	220	30	36	90.0	4126	2680
425	570	741	400DB	95.5	95.3	95.1	76.2	71.3	58.2	843	615	5183	150	230	30	35	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	30	36	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	30	36	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	30	35	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	29	35	109.5	5272	3760

NOTE :

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		PERFORMANCE DATA															MODEL			
		3-PHASE IE3 EFFICIENCY INDUCTION MOTORS															AFJN			
		LOW VOLTAGE SQUIRREL CAGE															440V 60Hz			
TEFC, 2P 440V 60HZ																				
OUTPUT		FULL LOAD	FRAME NO.	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR GD ²	Max. Load GD ²	APPROX. WEIGHT	
kW	HP			FULL LOAD	3/4 LOAD	1/2 LOAD	FULL LOAD	3/4 LOAD	1/2 LOAD	Rated A	Starting %	Starting A	Starting %	Max. %	Time(s)					KG-M ²
		HOT SEC	COLD SEC																	
260	350	3578	315CA	95.8	95.8	95.3	86.8	85.1	78.7	410	705	2893	100	200	20	27	8.0	47	1500	
280	375	3579	315CA	95.9	95.9	95.4	87.3	85.8	79.7	439	707	3100	100	200	18	24	8.8	50	1540	
300	400	3577	315CA	96.0	96.0	95.5	87.5	86.5	80.7	469	706	3307	100	200	19	25	8.8	53	1550	
315	425	3578	315CA	96.0	96.0	95.5	87.8	86.7	80.9	491	716	3513	100	200	18	23	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	18	24	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	15	22	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	17	22	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	15	22	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	17	22	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	16	22	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	21	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	13	20	15.3	82	2070	
530	710	3578	355CA	96.2	96.2	95.7	91.0	90.7	87.2	794	739	5869	110	210	14	19	24.0	86	2470	
560	750	3579	355CA	96.3	96.3	95.8	91.2	90.8	87.3	837	748	6264	100	200	25	33	25.2	90	2520	
600	800	3577	355CA	96.3	96.3	95.8	91.0	90.9	87.6	899	736	6613	100	200	24	32	25.2	95	2520	
630	845	3583	400DA	96.4	96.4	95.9	89.0	88.4	83.7	964	725	6985	140	210	36	47	36.3	99	3270	
650	870	3584	400DA	96.4	96.4	95.9	89.0	87.9	82.4	994	723	7192	140	210	31	43	38.0	101	3310	
670	900	3584	400DA	96.4	96.4	95.9	89.0	88.0	82.6	1025	726	7440	140	210	31	43	38.0	104	3300	
710	950	3585	400DA	96.5	96.5	96.0	88.9	87.6	81.7	1086	723	7853	150	220	29	39	40.2	108	3440	
750	1000	3586	400DA	96.5	96.5	96.0	89.4	88.7	84.1	1141	725	8267	150	220	29	39	42.5	113	3530	
800	1070	3585	400DA	96.5	96.5	96.0	89.1	87.8	82.1	1221	724	8845	140	200	32	43	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.																				

TEFC, 4P 440V 60HZ

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
kW	HP	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
		RPM	(EG)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	%	%	HOT	COLD	KG-M ²	KG-M ²	KGS
280	375	1787	315CB	96.2	96.0	95.8	85.8	83.0	74.1	445	697	3100	120	230	19	24	22.6	371	1570
300	400	1787	315CB	96.2	96.0	95.8	86.6	84.1	75.8	473	700	3307	130	240	18	23	25.5	393	1640
315	425	1787	315CB	96.2	96.0	95.8	85.8	82.8	73.6	501	701	3513	120	230	18	23	25.5	411	1640
340	450	1788	315CB	96.2	96.0	95.8	85.7	82.5	72.9	541	687	3720	120	230	16	20	27.2	440	1680
355	475	1788	315CB	96.2	96.0	95.8	84.3	80.1	69.4	574	684	3927	130	240	16	20	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	16	20	28.9	479	1720
400	535	1786	315CB	96.3	96.1	95.9	87.1	85.0	77.5	626	707	4423	130	240	18	23	30.1	506	1750
425	570	1788	315DB	96.3	96.1	95.9	86.0	82.8	73.5	674	699	4712	130	240	14	18	33.0	533	1950
450	600	1788	315DB	96.3	96.1	95.9	86.3	83.3	74.2	711	698	4960	130	240	17	21	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	15	18	37.0	587	2040
500	670	1787	315DB	96.3	96.1	95.9	86.6	83.8	75.1	787	704	5539	130	240	16	20	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	14	18	40.5	645	2130
560	750	1788	355CB	96.4	96.2	96.0	85.8	82.8	73.7	888	698	6200	110	210	23	27	49.8	675	2490
600	800	1788	355CB	96.4	96.2	96.0	86.0	83.2	74.3	949	697	6613	120	220	22	26	52.9	716	2580
630	845	1788	355CB	96.4	96.2	96.0	86.3	83.8	75.5	993	703	6985	120	220	21	25	52.9	746	2580
650	870	1788	355CB	96.4	96.2	96.0	85.6	82.5	73.2	1034	699	7221	120	220	22	26	55.3	767	2610
670	900	1788	355CB	96.4	96.2	96.0	85.8	82.9	74.0	1063	700	7440	120	220	21	25	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	26	31	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	25	30	80.3	863	3580
800	1070	1788	400DB	96.5	96.3	96.1	87.8	86.0	79.2	1239	714	8845	130	210	28	33	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
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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.

TEFC, 6P 440V 60HZ

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
kW	HP	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
		RPM	(EG)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	%	%	HOT	COLD	KG-M ²	KG-M ²	KGS
220	300	1189	315CB	95.8	95.6	95.4	83.8	81.3	72.7	360	690	2480	120	220	21	26	36.1	699	1650
250	335	1188	315CB	95.8	95.6	95.4	83.4	80.9	73.0	410	675	2769	120	220	17	21	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	17	21	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	18	22	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	15	19	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	17	21	44.1	967	1790
340	450	1188	315DB	96.0	95.8	95.6	84.2	82.3	75.3	552	674	3720	120	220	16	19	49.0	1036	2010
355	475	1188	315DB	96.0	95.8	95.6	83.4	80.7	72.6	582	675	3927	120	220	17	21	49.0	1076	2010
375	500	1188	315DB	96.0	95.8	95.6	84.5	82.7	75.9	607	681	4133	120	220	17	21	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	18	22	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	17	21	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	19	24	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	19	24	62.4	1394	2470
500	670	1189	355CB	96.1	95.9	95.7	83.6	80.9	72.0	816	678	5539	100	220	21	26	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	19	23	71.6	1534	2630
560	750	1189	355CB	96.2	96.0	95.8	83.5	80.8	71.8	914	678	6200	110	220	21	26	71.6	1611	2640
600	800	1190	355CB	96.2	96.0	95.8	80.9	76.4	64.9	1012	705	7137	110	220	19	24	75.7	1710	2700
630	845	1190	400DB	96.2	96.0	95.8	84.4	81.9	73.4	1018	709	7221	160	210	25	30	94.6	1784	3510
650	870	1189	400DB	96.2	96.0	95.8	85.4	83.8	77.0	1039	692	7192	160	210	25	30	98.3	1833	3570
670	900	1190	400DB	96.2	96.0	95.8	84.9	82.8	75.0	1077	697	7507	160	210	24	29	101.9	1882	3630
710	950	1190	400DB	96.2	96.0	95.8	84.3	81.7	73.0	1148	720	8263	160	210	23	28	105.6	1979	3680

NOTE :

1. Efficiencies according to IEC 60034-2-1; stray load losses determined by statical evaluation of measurements.
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TEFC, 8P 440V 60HZ

OUTPUT		FULL	FRAME	EFFICIENCY			POWER FACTOR			CURRENT			TORQUE		Safe Stall		ROTOR	Max. Load	APPROX.
kW	HP	LOAD	NO.	FULL	3/4	1/2	FULL	3/4	1/2	Rated	Starting	Starting	Starting	Max.	Time(s)		GD ²	GD ²	WEIGHT
		RPM	(EG)	LOAD	LOAD	LOAD	LOAD	LOAD	LOAD	A	%	A	%	%	HOT	COLD	KG-M ²	KG-M ²	KGS
185	250	890	315CB	95.0	94.8	94.6	71.6	64.4	50.4	357	580	2067	110	210	24	29	32.2	1298	1560
200	268	889	315CB	95.0	94.8	94.6	75.3	69.2	56.9	367	604	2215	110	210	21	26	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	21	26	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	26	31	41.1	1704	1720
260	350	888	315CB	95.1	94.9	94.7	79.0	75.6	65.5	454	637	2893	100	200	27	33	45.9	1772	1800
280	375	890	315DB	95.2	95.0	94.8	76.9	71.5	59.0	502	618	3100	110	210	23	29	54.0	1896	2070
300	400	889	315DB	95.2	95.0	94.8	78.4	73.9	62.6	527	627	3307	100	200	26	31	57.2	2017	2130
315	425	889	315DB	95.2	95.0	94.8	78.1	73.3	61.5	556	632	3513	100	220	24	29	61.2	2110	2190
340	450	890	355CB	95.2	95.0	94.8	79.1	76.5	67.1	592	628	3720	120	190	18	23	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	22	27	74.0	2351	2450
375	500	890	355CB	95.3	95.1	94.9	77.6	73.4	62.1	665	621	4133	130	200	18	22	74.0	2470	2450
400	535	889	355CB	95.4	95.2	95.0	79.3	76.3	66.6	694	637	4423	120	190	19	24	83.8	2617	2590
425	570	890	355CB	95.4	95.2	95.0	79.0	75.5	65.3	740	637	4712	130	190	19	24	90.0	2764	2680
450	600	889	355CB	95.4	95.2	95.0	79.2	76.2	66.6	781	635	4960	120	190	22	27	90.0	2908	2680
475	635	890	400DB	95.4	95.2	95.0	78.1	74.7	64.0	837	627	5249	110	200	31	37	89.8	2180	3430
500	670	890	400DB	95.4	95.2	95.0	78.4	74.7	64.1	877	631	5539	110	200	30	36	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	30	36	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	28	33	104.6	3535	3660
600	800	891	400DB	95.5	95.3	95.1	76.4	71.3	60.0	1080	613	6613	130	210	27	32	109.5	3758	3750
630	845	890	400DB	95.6	95.4	95.2	77.2	73.0	61.6	1120	624	6985	130	200	27	32	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	28	34	114.4	4141	3830

NOTE :

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2. Tolerance : IEC 60034.
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