

■ Certificate Status



■ Certificates List (ISO / KS / CE / UL)

No	Certificate	Certificate No.	Certified Date	Application	Applied Details
1	ISO9001	RQM5034	28 Nov 2011	Quality management system	Design, development and production of motor and controllers
2	ISO/TS16949	RTS0545	28 Nov 2011	Quality management system	Design, development and production of motor and controllers
3	KS	5795	06 May 2009	3 Phase Low Voltage Induction Motor	0.4 - 132 kW
4	CE	N8 08 02 66069 013	20 Feb 2008	AC Servo Systems	FDA7001 / FDA7002
5	CE	N8 08 02 66069 015	20 Feb 2008	AC Servo Systems	FDA7004 / FDA7005 / etc.
6	CE	N8 08 02 66069 017	20 Feb 2008	AC Servo Systems	FDA7045 / FDA7030 / etc.
7	CE	AN 50126796 0001	24 Mar 2008	Motor	ODP-200 / TEFC-2200
8	UL	PRGY2.E191462	10 Mar 2008	Induction Motor	EL07HU1 / EL10HU1 / etc.
9	UL	OBJY2.E191464	18 Feb 2008	Insulation System	Maximum 600 V
10	UL	PRGY8.E191462	10 Mar 2008	Induction Motor	KMQ-40HB1N / KMQ-40HC1N / etc.
11	UL	OBJY8.E191464	18 Feb 2008	Insulation System	Maximum 600 V
12	UL	PRGY8.E191462	30 Apr 2015	Induction Motor	I02HX1HDXX, I03HX6HDX, I05HX1HDX, I08HX1HDX

■ Certificate List (Explosion Proof - IECEx)

No	Fr Size	Type Protection	Sub group	Type Identification	IP	Temperature classification	Electical Data	RPM	Certificates	Cert. No.	Certified Date
1	71M	tb	IIIB	TB3B 71M	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 0.2-0.55KW	1500-3600	COM	IECEX CQM 16.0037X	18 Jan 2017
			IIIC	TB3C 71M							
2	80M	tb	IIIB	TB3B 80M	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 0.37-1.1KW	1000-3600	COM		
			IIIC	TB3C 80M							
3	90L	tb	IIIB	TB3B 90L	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 0.4-2.2KW	750-3600	COM		
			IIIC	TB3C 90L							
4	100L	tb	IIIB	TB3B 100L	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 0.75-3KW	750-3600	COM		
			IIIC	TB3C 100L							
5	112M	tb	IIIB	TB3B 112M	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 1.5-4KW	750-3600	COM		
			IIIC	TB3C 112M							
6	132SM	tb	IIIB	TB3B 132SM	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 1.8-11KW	750-3600	COM		
			IIIC	TB3C 132SM							
8	160ML	tb	IIIB	TB3B 160ML	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 5.5-18.5KW	750-3600	COM		
			IIIC	TB3C 160ML							
10	180ML	tb	IIIB	TB3B 180ML	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 9-30KW	750-3600	COM		
			IIIC	TB3C 180ML							
12	200L	tb	IIIB	TB3B 200L	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 18.5-45KW	750-3600	COM	IECEX CQM 16.0038X	18 Jan 2017
			IIIC	TB3C 200L							
13	225SM	tb	IIIB	TB3B 225SM	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 22-55KW	750-3600	COM		
			IIIC	TB3C 225SM							
14	250SM	tb	IIIB	TB3B 250SM	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 30-90KW	750-3600	COM		
			IIIC	TB3C 250SM							
16	280SM	tb	IIIB	TB3B 280SM	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 45-132KW	1800-3600	COM		
			IIIC	TB3C 280SM							
17	315SM	tb	IIIB	TB3B 315SM	65/66	125 °C/135 °C	Max 690V 50-60Hz(Inverter6-60Hz) 75-200KW	1800-3600	COM	IECEX CQM 16.0039X	18 Jan 2017
			IIIC	TB3C 315SM							
18	315M	tb	IIIB	TB3B 315M	65/66	125 °C	3000-11000V 50-60Hz 140-390KW	750-1800	KGS	IECEX KGS 16.0009	05 Oct 2016
			IIIC	TB3C 315M							
19	560M	tb	IIIB	TB3B 560M	65/66	125 °C	3000-6600V 50-60Hz 800-1500KW	600-1800	KGS	IECEX KGS 16.0008	05 Oct 2016
			IIIC	TB3C 560M							
20	280	d	IIB	EX150HE1KC EX150HQ1KC	55	T4	380/415V 50Hz 110KW	1500	KGS	IECEX KGS 08.0005	28 Aug 2008

■ Certificate List (Explosion Proof - ATEX / KR / KTL)

No	Fr Size	Type Protection	Gr.	Type Identification	IP	Operation mode & T classification	Electical Data	RPM	Certificates			KTL Cert. No.	Certified Date
									ATEX	KR	KTL		
1	71M	d	II B	DB3D 71M	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 0.2-0.6KW	750-3600	T5, T6		T5	13-KB2BO-0128	02 Apr 2013
			II C	DC3D 71M	66						T5, T6	13-KB2BO-0457	26 Aug 2013
2	80M	d	II B	DB3D 80M	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 0.3-1.1KW	750-3600	T5, T6		T5	12-KB2BO-0352	26 Oct 2012
			II C	DC3D 80M	66						T5,T6	13-KB2BO-0194	06 May 2013
3	90L	d	II B	DB3D 90L	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 0.4-3.2KW	750-3600	T5, T6		T5,T6	12-KB2BO-0419	30 Nov 2012
			II C	DC3D 90L	66						T5,T6	13-KB2BO-0193	06 May 2013
4	100L	d	II B	DB3D 100L	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 0.6-3.6KW	750-3600	T5, T6		T5	13-KB2BO-0127	02 Apr 2013
			II C	DC3D 100L	66						T5,T6	16-KA2BO-0337X	13 Jun 2016
5	112M	d	II B	DB3D 112M	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 1.2-5.4KW	750-3600	T5, T6		T5	13-KB2BO-0129	02 Apr 2013
			II C	DC3D 112M	66						T5,T6	16-KA2BO-0336X	13 Jun 2016
6	132S	d	II B	DB3D 132S	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 1.8-11.0KW	750-3600	T5, T6		T5	13-KB2BO-0130	02 Apr 2013
			II C	DC3D 132S	66						T5,T6	16-KA2BO-0333X	13 Jun 2016
7	132M	d	II B	DB3D 132M	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 1.8-11.0KW	750-3600	T5, T6		T5	13-KB2BO-0131	02 Apr 2013
			II C	DC3D 132M	66						T5,T6	16-KA2BO-0334X	13 Jun 2016
8	160M	d	II B	DB3D 160M	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 4.5-22.2KW	750-3600	T5, T6	T5, T6	T5,T6	13-KB2BO-0499	17 Sep 2013
			II C	DC3D 160M	66						T5,T6	15-KA2BO-0177X	21 May 2015
9	160L	d	II B	DB3D 160L	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 6.0-26.7KW	750-3600	T5, T6	T5, T6	T5,T6	13-KB2BO-0504	17 Sep 2013
			II C	DC3D 160L	66						T5,T6	15-KA2BO-0176X	21 May 2015
10	180M	d	II B	DB3D 180M	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 10.6-31.7KW	750-3600	T5, T6	T5, T6	T5,T6	13-KB2BO-0498	17 Sep 2013
			II C	DC3D 180M	66						T5,T6	14-KB2BO-0160X	25 Apr 2014
11	180L	d	II B	DB3D 180L	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 13.6-40.0KW	750-3600	T5, T6	T5, T6	T5,T6	13-KB2BO-0505	17 Sep 2013
			II C	DC3D 180L	66						T5,T6	14-KB2BO-0159X	25 Apr 2014
12	200L	d	II B	DB3D 200L	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 18.0-45.0KW	750-3600	T5, T6	T5, T6	T5,T6	13-KB2BO-0500	17 Sep 2013
			II C	DC3D 200L	66						T5,T6	16-KA2BO-0335X	13 Jun 2016
13	225S	d	II B	DB3D 225S	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 24.0-65.0KW	750-3600	T5, T6	T5, T6	T5,T6	13-KB2BO-0501	17 Sep 2013
			II C	DC3D 225S	66						T5,T6	14-KB2BO-0325X	25 Jun 2014
14	250S	d	II B	DB3D 250S	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 30.0-90.0KW	750-3600	T5, T6		T5,T6	13-KB2BO-0502	17 Sep 2013
			II C	DC3D 250S	66						T5,T6	15-KB2BO-0037X	19 Jan 2015
15	250M	d	II B	DB3D 250M	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 36.0-110.0KW	750-3600	T5, T6		T5	12-KB2BO-0377	06 Nov 2012
			II C	DC3D 250M	66						T5,T6	15-KB2BO-0036X	19 Jan 2015
16	280M	d	II B	DB3D 280M	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 44.0-160.0KW	750-3600	T5, T6		T5,T6	13-KB2BO-0503	17 Sep 2013

■ Certificate List (Explosion Proof - ATEX / KR / KTL)

No	Fr Size	Type Protection	Gr.	Type Identification	IP	Operation mode & T classification	Electical Data	RPM	Certificates			KTL Cert. No.	Certified Date
									ATEX	KR	KTL		
17	315M	d	II B	DB3D 315M	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 60.0-190.0KW	750-3600	T5, T6		T5,T6	14-KB2BO-0039X	10 Feb 2014
18	355L	d	II B	DB3D 355L	56	(S1-S9) T5 or (S1-S2) T6	200-690V 50-60HZ 150.0-315.0KW	1000-1800	T5, T6		T5,T6	13-KB2BO-0497	17 Sep 2013

■ Certificate List (Explosion Proof - KGS)

No	Certificate	Output (kW)	Pole	Certificate No.	Type	Specification	Validation	Remark
1	KGS	0.75	2	12-GA2BO-0229	E080P2-01	Ex e II T3 0.75KW, 2P, 220/380V,440V 60Hz, F	25 Apr 2012 - permanent	Ex e
2	KGS	0.75	2	15-GA2BO-0434	E080P2-02	Ex e II T3 0.75KW, 2P, 220/380V,440V 60Hz, F	11 Jun 2015 - permanent	Ex e
3	KGS	1.5	2	12-GA2BO-0228	E090P2-01	Ex e II T3 1.5KW, 2P, 220/380V, 60Hz, F	25 Apr 2012 - permanent	Ex e
4	KGS	2.2	2	09-GA2BO-0083	E112P2-10(08~14)	Ex e II T3 2.2KW, 2P, 440V, 60Hz, F	11 Mar 2010 - permanent	Ex e
5	KGS	3.7	2	09-GA2BO-0082	E112P2-03(01~07)	Ex e II T3 3.7KW, 2P, 440V, 60Hz, F	11 Mar 2010 - permanent	Ex e
6	KGS	5.5	2	12-GA2BO-0226	E132P2-10	Ex e II T3 5.5KW, 2P, 440V, 60Hz, F	25 Apr 2012 - permanent	Ex e
7	KGS	7.5	2	09-GA2BO-0090	E132P2-03(01~07)	Ex e II T3 7.5KW, 2P, 440V, 60Hz, F	11 Mar 2010 - permanent	Ex e
8	KGS	9	2	12-GA2BO-0716	E132P2-11	Ex e II T3 9KW, 2P, 220/380V, 60Hz, F	29 Nov 2012 - permanent	Ex e
9	KGS	9	2	13-GA2BO-0690	E132P2-12	Ex e II T3 9KW, 2P, 220/440V, 60Hz, F	28 Aug 2013 - permanent	Ex e
10	KGS	11	2	09-GA2BO-0088	E160P2-10(08~14)	Ex e II T3 11KW, 2P, 440V, 60Hz, F	11 Mar 2010 - permanent	Ex e
11	KGS	15	2	10-GA2BO-220	E160P2-01	Ex e II T3 15KW, 2P, 220/380V, 60Hz, F	06 Oct 2010 - permanent	Ex e
12	KGS	0.4	4	09-GA2BO-0063	E080P4-10(08~14)	Ex e II T3 0.4KW, 4P, 440V, 60Hz, F	28 Jan 2010 - permanent	Ex e
13	KGS	0.75	4	09-GA2BO-0064	E080P4-03(01~07)	Ex e II T3 0.75KW, 4P, 440V, 60Hz, F	26 Jan 2010 - permanent	Ex e
14	KGS	1.5	4	09-GA2BO-0081	E090P4-01(01~07)	Ex e II T3 1.5KW, 4P, 220/380V, 60Hz, F	11 Mar 2010 - permanent	Ex e
15	KGS	2.2	4	09-GA2BO-0065	E112P4-09(08~14)	Ex e II T3 2.2KW, 4P, 380V, 60Hz, F	28 Jan 2010 - permanent	Ex e
16	KGS	3.7	4	09-GA2BO-0066	E112P4-01(01~07)	Ex e II T3 3.7KW, 4P, 220/380V, 60Hz, F	26 Jan 2010 - permanent	Ex e
17	KGS	5.5	4	12-GA2BO-0227	E132P4-08	Ex e II T3 5.5KW, 4P, 220/380V, 60Hz, F	25 Apr 2012 - permanent	Ex e
18	KGS	7.5	4	09-GA2BO-0067	E132P4-01(01~07)	Ex e II T3 7.5KW, 4P, 220/380V, 60Hz, F	28 Jan 2010 - permanent	Ex e
19	KGS	11	4	09-GA2BO-0068	E160P4-09(08~14)	Ex e II T3 11KW, 4P, 380V, 60Hz, F	28 Jan 2010 - permanent	Ex e
20	KGS	15	4	09-GA2BO-0070	E160P4-03(01~07)	Ex e II T3 15KW, 4P, 440V, 60Hz, F	28 Jan 2010 - permanent	Ex e
21	KGS	18.5	4	09-GA2BO-0071	E180P4-10(08~14)	Ex e II T3 18.5KW, 4P, 440V, 60Hz, F	28 Jan 2010 - permanent	Ex e
22	KGS	22	4	09-GA2BO-0072	E180P4-02(01~07)	Ex e II T3 22KW, 4P, 380V, 60Hz, F	28 Jan 2010 - permanent	Ex e
23	KGS	30	4	09-GA2BO-0080	E200P4-09(08~14)	Ex e II T3 30KW, 4P, 380V, 60Hz, F	11 Mar 2010 - permanent	Ex e
24	KGS	37	4	11-GA2BO-0022	E225P4-03	Ex e II T3 37KW, 4P, 440V, 60Hz, F	01 Apr 2011 - permanent	Ex e
25	KGS	45	4	09-GA2BO-0079	E225P4-10(08~14)	Ex e II T3 45KW, 4P, 440V, 60Hz, F	11 Mar 2010 - permanent	Ex e
26	KGS	55	4	12-GA2BO-0225	E225P4-02	Ex e II T3 55KW, 4P, 380V, 60Hz, F	25 Apr 2012 - permanent	Ex e
27	KGS	75	4	12-GA2BO-0224	E250P4-02	Ex e II T3 75KW, 4P, 380V, 60Hz, F	25 Apr 2012 - permanent	Ex e
28	KGS	90	4	10-GA2BO-219	E250P4-10	Ex e II T3 90KW, 4P, 440V, 60Hz, F	06 Oct 2010 - permanent	Ex e

■ Certificate List (Explosion Proof - KGS)

No	Certificate	Output (kW)	Pole	Certificate No.	Type	Specification	Validation	Remark
29	KGS	110	4	11-GA2BO-0021	E280P4-02(01-05)	Ex e II T3 110KW, 4P, 380V, 60Hz, F	01 Apr 2011 - permanent	Ex e
30	KGS	132	4	11-GA2BO-0387	E280P4-03	Ex e II T3 132KW, 4P, 440V, 60Hz, F	22 Dec 2011 - permanent	Ex e
31	KGS	132	4	11-GA2130-0132	E280P4-08	Ex e II T3 132KW, 4P, 380V, 60Hz, H	22 Jul 2011 - permanent	Ex e
32	KGS	250	4	14-GA2BO-0439	E315MP4-01	Ex e II T3 250KW, 4P, 3300V, 60Hz, F	26 Oct 2014 - permanent	Ex e
33	KGS	450	4	15-GA2BO-0037	E400MP4-01	Ex e II T3 400KW, 4P, 6600V, 60Hz, F	19 Jan 2015 - permanent	Ex e
34	KGS	600	4	10-GA2BO-287	E400MP4-01	Ex e II T2 600KW, 4P, 3300V, 60Hz, F	06 Dec 2010 - permanent	Ex e
35	KGS	0.75	6	09-GA2BO-0087	E090P6-06(01~07)	Ex e II T3 0.75KW, 6P, 460V, 60Hz, F	11 Mar 2010 - permanent	Ex e
36	KGS	1.5	6	09-GA2BO-0085	E112P6-08(08~14)	Ex e II T3 1.5KW, 6P, 220/380V, 60Hz, F	11 Mar 2010 - permanent	Ex e
37	KGS	2.2	6	09-GA2BO-0084	E112P6-01(01~07)	Ex e II T3 2.2KW, 6P, 220/380V, 60Hz, F	11 Mar 2010 - permanent	Ex e
38	KGS	3.7	6	16-GA2BO-0551	E132P6-08	Ex e II T3 3.7KW, 6P, 220/380V, 60Hz, F종	19 Jul 2016 - permanent	Ex e
39	KGS	5.5	6	09-GA2BO-0089	E132P6-03(01~07)	Ex e II T3 5.5KW, 6P, 440V, 60Hz, F	11 Mar 2010 - permanent	Ex e
40	KGS	7.5	6	09-GA2BO-0093	E160P6-08(08~14)	Ex e II T3 7.5KW, 6P, 220/380V, 60Hz, F	11 Mar 2010 - permanent	Ex e
41	KGS	11	6	09-GA2BO-0092	E160P6-03(01~07)	Ex e II T3 11KW, 6P, 440V, 60Hz, F	11 Mar 2010 - permanent	Ex e
42	KGS	15	6	09-GA2BO-0091	E180P6-03(01~07)	Ex e II T3 15KW, 6P, 440V, 60Hz, F	11 Mar 2010 - permanent	Ex e
43	KGS	22	6	09-GA2BO-0086	E200P6-03(01~07)	Ex e II T3 22KW, 6P, 440V, 60Hz, F	11 Mar 2010 - permanent	Ex e
44	KGS	30	6	13-GA2BO-0691	E225P6-01	Ex e II T3 30KW, 6P, 380V, 60Hz, F	28 Aug 2013 - permanent	Ex e
45	KGS	30	6	13-GA2BO-0692	E225P6-02	Ex e II T3 30KW, 6P, 220/440V, 60Hz, F	28 Aug 2013 - permanent	Ex e
46	KGS	37	6	14-GA2BO-0075X	E225P6-01	Ex e II T3 37KW, 6P, 220/440V, 60Hz, F	05 Feb 2014 - permanent	Ex e
47	KGS	37	6	15-GA2BO-0552	E225P6-02	Ex e II T3 37KW, 6P, 380V, 60Hz, F종	11 Aug 2015 - permanent	Ex e
48	KGS	45	6	09-GA2BO-0073	E250P6-03(01~07)	Ex e II T3 45KW, 6P, 440V, 60Hz, F	28 Jan 2010 - permanent	Ex e
49	KGS	132	6	09-GA2BO-0011	E315P6-03(01~07)	Ex e II T3 132KW, 6P, 440V, 60Hz, F	14 Sep 2009 - permanent	Ex e
50	KGS	37	8	09-GA2BO-0062	E250P8-03(01~06)	Ex e II T3 37KW, 8P, 440V, 60Hz, F	28 Jan 2010 - permanent	Ex e
51	KGS	45	8	09-GA2BO-0069	E250P8-09(07~12)	Ex e II T3 45KW, 8P, 440V, 60Hz, F	28 Jan 2010 - permanent	Ex e
52	KGS	75	4	09-GA2BO-0095	D280P4-19(10~27)	Ex d II T4 75KW, 4P, 440V, 60Hz, F	12 Mar 2010 - permanent	Ex d
53	KGS	261	4	09-GA2BO-0014	D355P4-01(01~09)	Ex d II T4 261KW, 4P, 380V, 50Hz, F	08 Apr 2010 - permanent	Ex d / 185KW*6P, D355P4-01(01~09)
54	KGS	132	4	13-GA2BO-0205	TEFC D280P4C-01	Ex d II T4 132KW, 4P, 460V, 60Hz, F	14 Mar 2013 - permanent	Ex d
55	KGS	310	4	16-GA2BO-0128X	TEFC D355LLP4B-03	Ex d II B T4 310KW, 4P, 440V, 60Hz, F종	22 Feb 2016 - permanent	Ex d

■ Certificate List (Explosion Proof - KGS)

No	Certificate	Output (kW)	Pole	Certificate No.	Type	Specification	Validation	Remark
56	KGS	220	6	14-GA2BO-0061X	TEFC D355LLP6B-02	Ex d II T4 220KW, 6P, 380V, 50Hz, F	03 Feb 2014 - permanent	Ex d
57	KGS	262.5	6	13-GA2BO-0206	TEFC D355LLP6B-01	Ex d II T4 262.5KW, 6P, 380V, 50Hz, F	14 Mar 2013 - permanent	Ex d
58	KGS	300	6	13-GA2BO-0349	TEFC D355LLP6B-37	Ex d II T4 300KW, 6P, 380V, 50Hz, F	09 May 2013 - permanent	Ex d
59	KGS	0.75	2	14-GA2BO-0520X	DT3D 80M-01	Ex tD A21 IP65 T125℃, 0.75KW,4P,460V,60Hz, F	18 Dec 2014 - permanent	Ex tD
60	KGS	0.75	4	14-GA2BO-0347X	DT3D 80M-02	Ex tD A21 IP65 T125℃, 0.75KW,4P,460V,60Hz, F	27 Aug 2014 - permanent	Ex tD
61	KGS	1.5	4	15-GA2BO-0043X	DT3D 90L-01	Ex tD A21 IP65 T125℃, 1.5KW,4P,460V,60Hz, F	19 Jan 2015 - permanent	Ex tD
62	KGS	2.2	4	14-GA2BO-0344X	DT3D 100L-01	Ex tD A21 IP65 T125℃, 2.2KW,4P,460V,60Hz, F	27 Aug 2014 - permanent	Ex tD
63	KGS	3.7	4	14-GA2BO-0345X	DT3D 112L-01	Ex tD A21 IP65 T125℃, 3.7KW,4P,460V,60Hz, F	27 Aug 2014 - permanent	Ex tD
64	KGS	5.5	4	15-GA2BO-0345X	DT3D 132S-01	Ex tD A21 IP65 T125℃, 5.5KW,4P,460V,60Hz, F	07 May 2015 - permanent	Ex tD
65	KGS	7.5	2	15-GA2BO-0348X	DT3D 132S-02	Ex tD A21 IP65 T125℃, 7.5KW,2P,460V,60Hz, F	08 May 2015 - permanent	Ex tD
66	KGS	7.5	4	15-GA2BO-0044X	DT3D 132M-01	Ex tD A21 IP65 T125℃, 7.5KW,4P,460V,60Hz, F	19 Jan 2015 - permanent	Ex tD
67	KGS	11	4	15-GA2BO-0349X	DT3D 160M-01	Ex tD A21 IP65 T125℃, 11KW,4P,460V,60Hz, F	11 May 2015 - permanent	Ex tD
68	KGS	15	4	15-GA2BO-0045X	DT3D 160L-01	Ex tD A21 IP65 T125℃, 15KW,4P,460V,60Hz, F	19 Jan 2015 - permanent	Ex tD
69	KGS	12.6	6	16-GA2BO-0829X	DT3D 160L-02	Ex tD A21 IP65 T125℃, 12.6KW,6P,460V,60Hz, F	14 Dec 2016 - permanent	Ex tD
70	KGS	18.5	4	15-GA2BO-0347X	DT3D 180M-01	Ex tD A21 IP65 T125℃, 18.5KW,4P,460V,60Hz, F	08 May 2015 - permanent	Ex tD
71	KGS	22	4	15-GA2BO-0053X	DT3D 180M-02	Ex tD A21 IP65 T125℃, 22KW,4P,460V,60Hz, F	20 Jan 2015 - permanent	Ex tD
72	KGS	30	4	15-GA2BO-0046X	DT3D 180L-01	Ex tD A21 IP65 T125℃, 30KW,4P,460V,60Hz, F	19 Jan 2015 - permanent	Ex tD
73	KGS	37	4	15-GA2BO-0003X	DT3D 200L-01	Ex tD A21 IP65 T125℃, 37KW,4P,460V,60Hz, F	02 Jan 2015 - permanent	Ex tD
74	KGS	45	4	14-GA2BO-0299X	DT3D 200L-02	Ex tD A21 IP65 T125℃, 45KW,4P,460V,60Hz, F	09 Jul 2014 - permanent	Ex tD
75	KGS	37	4	16-GA2BO-0199X	DT3D 200L-03	Ex tD A21 IP65 T125℃, 37KW,4P,400V,50Hz, F	29 Mar 2016 - permanent	Ex tD
76	KGS	55	4	14-GA2BO-0300X	DT3D 225S-01	Ex tD A21 IP65 T125℃, 55KW,4P,460V,60Hz, F	09 Jul 2014 - permanent	Ex tD
77	KGS	26.4	6	16-GA2BO-0037X	DT3D 225S-02	Ex tD A21 IP65 T125℃, 26.4KW,6P,460V,60Hz, F	14 Jan 2016 - permanent	Ex tD
78	KGS	25	6	16-GA2BO-0047X	DT3D 225S-03	Ex tD A21 IP65 T125℃, 25KW,6P,460V,60Hz, F	19 Jan 2016 - permanent	Ex tD
79	KGS	45	4	16-GA2BO-0824X	DT3D 225S-03	Ex tD A21 IP65 T125℃, 45KW,4P,460V,60Hz, F	19 Jan 2016 - permanent	Ex tD
80	KGS	75	4	14-GA2BO-0346X	DT3D 250S-01	Ex tD A21 IP65 T125℃, 75KW,4P,460V,60Hz, F	27 Aug 2014 - permanent	Ex tD
81	KGS	75	4	14-GA2BO-0519X	DT3D 250S-02	Ex tD A21 IP65 T125℃, 75KW,4P,460V,60Hz, F	18 Dec 2014 - permanent	Ex tD
82	KGS	90	4	15-GA2BO-0207X	DT3D 250M-01	Ex tD A21 IP65 T125℃, 90KW,4P,460V,60Hz, F	30 Mar 2015 - permanent	Ex tD
83	KGS	90	4	15-GA2BO-0209X	DT3D 250M-02	Ex tD A21 IP65 T125℃, 90KW,4P,460V,60Hz, F	30 Mar 2015 - permanent	Ex tD

■ Certificate List (Explosion Proof - KGS)

No	Certificate	Output (kW)	Pole	Certificate No.	Type	Specification	Validation	Remark
84	KGS	55	6	16-GA2BO-0042X	DT3D 250M-03	Ex tD A21 IP65 T125℃, 55KW,6P,460V,60Hz,F종	14 Jan 2016 - permanent	Ex tD
85	KGS	110	4	14-GA2BO-0527X	DT3D 280S-03	Ex tD A21 IP65 T125℃, 110KW,4P,460V,60Hz, F	24 Dec 2014 - permanent	Ex tD
86	KGS	132	4	14-GA2BO-0302X	DT3D 280M-01	Ex tD A21 IP65 T125℃, 132KW,4P,460V,60Hz, F	09 Jul 2014 - permanent	Ex tD
87	KGS	132	4	14-GA2BO-0302X	DT3D 280M-03	Ex tD A21 IP65 T125℃, 132KW,4P,460V,60Hz, F	09 Jul 2014 - permanent	Ex tD
88	KGS	132	4	14-GA2BO-0518X	DT3D 280M-04	Ex tD A21 IP65 T125℃, 132KW,4P,460V,60Hz, F	18 Dec 2014 - permanent	Ex tD
89	KGS	110	4	16-GA2BO-0825X	DT3D 280M-05	Ex tD A21 IP65 T125℃, 110KW,4P,460V,60Hz,F	14 Dec 2016 - permanent	Ex tD
90	KGS	90	6	16-GA2BO-0828X	DT3D 280M-06	Ex tD A21 IP65 T125℃, 90KW,6P,460V,60Hz,F종	14 Dec 2016 - permanent	Ex tD
91	KGS	150	4	15-GA2BO-0047X	DT3D 315S-01	Ex tD A21 IP65 T125℃, 150KW,4P,460V,60Hz, F	19 Jan 2015 - permanent	Ex tD
92	KGS	150	4	15-GA2BO-0088X	DT3D 315S-04	Ex tD A21 IP65 T125℃, 150KW,4P,460V,60Hz, F	05 Feb 2015 - permanent	Ex tD
93	KGS	160	4	15-GA2BO-0089X	DT3D 315S-05	Ex tD A21 IP65 T125℃, 160KW,4P,460V,60Hz, F	05 Feb 2015 - permanent	Ex tD
94	KGS	132	6	15-GA2BO-0208X	DT3D 315S-06	Ex tD A21 IP65 T125℃, 132KW,6P,460V,60Hz,F	30 Mar 2015 - permanent	Ex tD
95	KGS	160	4	15-GA2BO-0262	DT3D 315S-07	Ex tD A21 IP65 T125℃, 160KW,4P,460V,60Hz, F	08 Apr 2015 - permanent	Ex tD
96	KGS	132	4	16-GA2BO-0200X	DT3D 315S-08	Ex tD A21 IP65 T125℃, 132KW,4P,400V,50Hz,F	29 Mar 2016 - permanent	Ex tD
97	KGS	110	4	16-GA2BO-0352	DT3D 315S-09	Ex tD A21 IP65 T125℃, 110KW,4P,400V,50Hz,F	22 Apr 2016 - permanent	Ex tD
98	KGS	150	4	16-GA2BO-0351	DT3D 315S-10	Ex tD A21 IP65 T125℃, 150KW,4P,400V,50Hz,F	22 Apr 2016 - permanent	Ex tD
99	KGS	160	6	15-GA2BO-0052X	DT3D 315M-01	Ex tD A21 IP65 T125℃, 160KW,6P,460V,60Hz, F	20 Jan 2015 - permanent	Ex tD
100	KGS	120	6	15-GA2BO-0890	DT3D 315L-01	Ex tD A21 IP65 T125℃, 120KW,6P,460V,60Hz,F	14 Dec 2015 - permanent	Ex tD
101	KGS	185	4	16-GA2BO-0827	DT3D 315L-02	Ex tD A21 IP65 T125℃, 185KW,4P,460V,60Hz,F	14 Dec 2016 - permanent	Ex tD
102	KGS	220	6	15-GA2BO-0055	DT3D 400-02	Ex tD A21 IP65 T125℃, 220KW,6P,11000V,60Hz	20 Jan 2015 - permanent	Ex tD
103	KGS	200	6	15-GA2BO-0336	DT3D 355-01	Ex tD A21 IP65 T125℃, 200KW,6P,6600V,60Hz,	28 Apr 2015 - permanent	Ex tD
104	KGS	250	6	15-GA2BO-0450	DT3D 355-02	Ex tD A21 IP65 T125℃, 250KW,6P,6600V,60Hz,F	18 Jun 2015 - permanent	Ex tD
105	KGS	305	4	16-GA2BO-0192	DT3D 355-03	Ex tD A21 IP65 T125℃, 305KW,4P,11000V,50Hz	28 Mar 2016 - permanent	Ex tD
106	KGS	350	4	16-GA2BO-0193	DT3D 355-04	Ex tD A21 IP65 T125℃, 350KW,4P,11000V,50Hz	28 Mar 2016 - permanent	Ex tD
107	KGS	210	4	16-GA2BO-0196	DT3D 355-05	Ex tD A21 IP65 T125℃, 210KW,4P,11000V,50Hz	29 Mar 2016 - permanent	Ex tD
108	KGS	315	4	17-GA2BO-0037	DT3D 355-06	Ex tD A21 IP65 T125℃, 315KW,4P,11000V,60Hz	18 Jan 2017 - permanent	Ex tD
109	KGS	200	4	17-GA2BO-0038	DT3D 355-07	Ex tD A21 IP65 T125℃, 200KW,4P,11000V,60Hz	18 Jan 2017 - permanent	Ex tD
110	KGS	355	6	15-GA2BO-0073	DT3D 400-01	Ex tD A21 IP65 T125℃, 355KW,6P,11000V,60Hz	27 Jan 2015 - permanent	Ex tD
111	KGS	220	6	15-GA2BO-0055	DT3D 400-02	Ex tD A21 IP65 T125℃, 220KW,6P,11000V,60Hz	20 Jan 2015 - permanent	Ex tD

■ Certificate List (Explosion Proof - KGS)

No	Certificate	Output (kW)	Pole	Certificate No.	Type	Specification	Validation	Remark
112	KGS	280	6	15-GA2BO-0041	DT3D 400-03	Ex tD A21 IP65 T125°C, 280KW,6P,11000V,60Hz	19 Jan 2015 - permanent	Ex tD
113	KGS	400	6	15-GA2BO-0263	DT3D 400-04	Ex tD A21 IP65 T125°C, 400KW,6P,6600V,60Hz,F	15 Apr 2015 - permanent	Ex tD
114	KGS	450	6	15-GA2BO-0210X	DT3D 400-05	Ex tD A21 IP65 T125°C, 450KW,6P,6600V,60Hz,F	30 Mar 2015 - permanent	Ex tD
115	KGS	300	6	15-GA2BO-0449	DT3D 400-06	Ex tD A21 IP65 T125°C, 300KW,6P,6600V,60Hz,F	18 Jun 2015 - permanent	Ex tD
116	KGS	355	6	15-GA2BO-0346	DT3D 400-07	Ex tD A21 IP65 T125°C, 355KW,6P,6600V,60Hz,F	7 May 2015 - permanent	Ex tD
117	KGS	290	8	16-GA2BO-0198	DT3D 400-08	Ex tD A21 IP65 T125°C, 290KW,8P,11000V,50Hz	29 Mar 2016 - permanent	Ex tD
118	KGS	510	4	16-GA2BO-0659	DT3D 400-09	Ex tD A21 IP65 T125°C, 510KW,4P,11000V,50Hz	7 Sep 2016 - permanent	Ex tD
119	KGS	450	6	14-GA2BO-0349X	DT3D 432-01	Ex tD A21 IP65 T125°C, 450KW,6P,6600V,60Hz,F	27 Aug 2014 - permanent	Ex tD
120	KGS	300	6	14-GA2BO-0348X	DT3D 432-02	Ex tD A21 IP65 T125°C, 300KW,6P,6600V,60Hz,F	27 Aug 2014 - permanent	Ex tD
121	KGS	600	6	15-GA2BO-0042	DT3D 450-01	Ex tD A21 IP65 T125°C, 600KW,6P,11000V,60Hz	19 Jan 2015 - permanent	Ex tD
122	KGS	450	6	15-GA2BO-0054	DT3D 450-02	Ex tD A21 IP65 T125°C, 450KW,6P,11000V,60Hz	20 Jan 2015 - permanent	Ex tD
123	KGS	435	6	15-GA2BO-0056	DT3D 450-03	Ex tD A21 IP65 T125°C, 435KW,6P,11000V,60Hz	20 Jan 2015 - permanent	Ex tD
124	KGS	260	10	15-GA2BO-0889	DT3D 450-04	Ex tD A21 IP65 T125°C, 260KW,10P,6600V,60Hz	14 Dec 2015 - permanent	Ex tD
125	KGS	585	4	16-GA2BO-0350	DT3D 450-05	Ex tD A21 IP65 T125°C, 585KW,4P,11000V,50Hz	22 Apr 2016 - permanent	Ex tD
126	KGS	520	6	16-GA2BO-0747	DT3D 450-06	Ex tD A21 IP65 T125°C, 520KW,6P,6600V,50Hz,F	19 Oct 2016 - permanent	Ex tD
127	KGS	550	10	15-GA2BO-0048	DT3D 500-01	Ex tD A21 IP65 T125°C, 550KW,6P,11000V,60Hz	19 Jan 2015 - permanent	Ex tD
128	KGS	522	10	15-GA2BO-0539	DT3D 500-02	Ex tD A21 IP65 T125°C, 522KW,10P,6000V,60Hz	29 Jul 2015 - permanent	Ex tD
129	KGS	690	4	16-GA2BO-0194	DT3D 500-03	Ex tD A21 IP65 T125°C, 690KW,4P,11000V,50Hz	28 Mar 2016 - permanent	Ex tD
130	KGS	740	4	16-GA2BO-0197	DT3D 500-04	Ex tD A21 IP65 T125°C, 740KW,4P,11000V,50Hz	29 Mar 2016 - permanent	Ex tD

		2 POLE PREMIUM			Reg. No.	Reg. Date			4 POLE PREMIUM			Reg. No.	Reg. Date			6 POLE PREMIUM			Reg. No.	Reg. Date			8 POLE PREMIUM			Reg. No.	Reg. Date
Output (kW)	Output (Hp)	Efficiency (%)					Output (kW)	Output (Hp)	Efficiency (%)					Output (kW)	Output (Hp)	Efficiency (%)					Output (kW)	Output (Hp)	Efficiency (%)				
		Standard	result						Standard	result						Standard	result						Standard	result			
			average	min.				average	min.				average	min.				average	min.				average	min.			
0.75	1	75.5	74.59	72.82	122130372	10 May 13	0.75	1	82.5	81.78	80.39	122130398	07 Jun 13	0.75	1	80.0	79.21	77.67	122130373	10 May 13	0.75	1	74.0	73.05	71.22	122150099	03 Mar 15
0.75	1.5	-	-	-	122130474	01 Jul 13	1.10	1.5	-	-	-	122140159	29 Jun 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5	2	84.0	83.33	82.03	122130374	10 May 13	1.5	2	84.0	83.33	82.03	122130400	07 Jun 13	1.5	2	86.5	85.92	84.78	122130401	07 Jun 13	1.5	2	82.5	81.78	80.39	-	-
2.2	3	85.5	84.88	83.68	122130389	15 May 13	2.2	3	87.5	86.96	85.89	122130375	10 May 13	2.2	3	87.5	86.96	85.89	122130402	07 Jun 13	2.2	3	84.0	83.33	82.03	-	-
3	4	-	-	-	122140297	29 Sep 14	3	4	-	-	-	122140298	29 Sep 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.7	5	87.5	86.96	85.89	122130215	21 Mar 13	3.7	5	87.5	86.96	85.89	122130403	07 Jun 13	3.7	5	87.5	86.96	85.89	122130376	10 May 13	3.7	5	85.5	84.88	83.68	-	-
3.7	5.5	-	-	-	122130532	23 Jul 13	3.7	5.5	-	-	-	122130560	09 Aug 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.5	7.5	88.5	87.99	87.00	122130210	21 Mar 13	5.5	7.5	89.5	89.03	88.11	-	-	5.5	7.5	89.5	89.03	88.11	122130212	21 Mar 13	5.5	7.5	85.5	84.88	83.68	-	-
-	-	-	-	-	-	-	5.5	8	-	-	-	122130213	21 Mar 13	-	-	-	-	-	-	-	-	-	-	-	-	-	
7.5	10	89.5	89.03	88.11	122130214	21 May 13	7.5	10	89.5	89.03	88.11	122110736	29 Jul 11	7.5	10	89.5	89.03	88.11	122110737	29 Nov 11	7.5	10	88.5	87.99	87.00	-	-
7.5	12	-	-	-	122130533	23 Jul 13	11	12.8	-	-	-	122130561	09 Aug 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	15	90.2	89.76	88.89	122130405	07 Jun 13	11	15	91.0	90.59	89.79	122130209	21 Mar 13	11	15	90.2	89.76	88.89	122130406	07 Jun 13	11	15	88.5	87.99	87.00	122110738	29 Jul 11
15	20	90.2	89.76	88.89	122130407	07 Jun 13	15	20	91.0	90.59	89.79	122130211	21 Mar 13	15	20	90.2	89.76	88.89	122130408	07 Jun 13	15	20	89.5	89.03	88.11	-	-
18.5	25	91.0	90.59	89.79	122130410	07 Jun 13	18.5	25	92.4	92.05	91.36	122130377	10 May 13	18.5	25	91.7	91.32	90.57	122130378	10 May 13	18.5	25	89.5	89.03	88.11	-	-
22	30	91.0	90.59	89.79	122130411	07 Jun 13	22	30	92.4	92.05	91.36	122130412	07 Jun 13	22	30	91.7	91.32	90.57	122130379	10 May 13	22	30	91.0	90.59	89.79	-	-
-	-	-	-	-	-	-	30	36	-	-	-	122130562	09 Aug 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	40	91.7	91.32	90.57	301090057	07 Apr 10	30	40	93.0	92.68	92.03	122130380	10 May 13	30	40	93.0	92.68	92.03	122130381	10 May 13	30	40	91.0	90.59	89.79	-	-
37	50	92.4	92.05	91.36	122130413	07 Jun 13	37	50	93.0	92.68	92.03	122130414	07 Jun 13	37	50	93.0	92.68	92.03	122130415	07 Jun 13	37	50	91.7	91.32	90.57	122110584	26 May 11
45	60	93.0	92.68	92.03	122130416	07 Jun 13	45	60	93.6	93.30	92.71	122130417	07 Jun 13	45	60	93.6	93.30	92.71	122130418	07 Jun 13	45	60	91.7	91.32	90.57	122140053	17 Feb 14
55	75	93.0	92.68	92.03	122130382	10 May 13	55	75	94.1	93.82	93.27	122130419	07 Jun 13	55	75	93.6	93.30	92.71	122130420	07 Jun 13	55	75	93.0	92.68	92.03	122110767	09 Aug 11
65	87	-	-	-	122130534	23 Jul 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	75	94	-	-	-	122130563	09 Aug 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	100	93.6	93.30	92.71	122130421	07 Jun 13	75	100	94.5	94.24	93.73	122130383	10 May 13	75	100	94.1	93.82	93.27	122080123	01 Jul 08	75	100	93.0	92.68	92.03	122110768	09 Aug 11
90	120	94.5	94.24	93.73	122080082	01 Jul 08	90	120	94.5	94.24	93.73	122130384	10 May 13	90	120	94.1	93.82	93.27	122080130	01 Jul 08	90	120	93.6	93.30	92.71	122110561	19 May 11
90	124	-	-	-	122090046	29 Jul 09	90	124	-	-	-	122130564	09 Aug 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	90	125	-	-	-	122130565	09 Aug 13	90	125	-	-	-	122090045	28 Jul 09	90	125	-	-	-	122130629	29 Oct 13
-	-	-	-	-	-	-	90	130	-	-	-	122140153	28 May 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	110	134	-	-	-	122090047	31 Jul 09	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110	150	94.5	94.24	93.73	122081083	01 Jul 08	110	150	95.0	94.76	94.29	122130650	24 Nov 13	110	150	95.0	94.76	94.29	122080131	01 Jul 08	110	150	93.6	93.30	92.71	122130013	08 Jan 13
-	-	-	-	-	-	-	110	160	-	-	-	122130661	03 Dec 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132	175	94.5	94.24	93.73	122080084	01 Jul 08	132	175	95.0	94.76	94.29	122110818	09 Sep 11	132	175	95.0	94.76	94.29	122080132	01 Jul 08	132	175	94.1	93.82	93.27	-	-
160	200	-	-	-	122090049	01 Sep 09	160	200	-	-	-	122080186	17 Nov 08	-	200	-	-	-	122110697	11 Jul 11	160	214	-	-	-	122140276	29 Sep 14
160	215	95.0	94.76	94.29	122090028	11 May 09	160	215	95.0	94.76	94.29	122080078	01 Jul 08	160	215	95.0	94.76	94.29	122110663	01 Jul 11	160	215	94.1	93.82	93.27	122140077	08 Apr 14
160	228	-	-	-	122130611	17 Sep 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
187	240	-	-	-	122110781	13 Aug 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
187	250	-	-	-	122110769	09 Aug 11	200	250	-	-	-	122101406	02 Dec 10	185	250	-	-	-	122140325	25 Nov 14	-	-	-	-	-	-	-
200	270	95.0	94.76	94.29	-	-	200	270	95.0	94.76	94.29	122130651	24 Nov 13	200	270	95.0	94.76	94.29	-	-	-	-	-	-	-	-	-

Output (kW)	Output (Hp)	2 POLE PREMIUM			Reg. No.	Reg. Date	Output (kW)	Output (Hp)	4 POLE PREMIUM			Reg. No.	Reg. Date	Output (kW)	Output (Hp)	6 POLE PREMIUM			Reg. No.	Reg. Date	Output (kW)	Output (Hp)	8 POLE PREMIUM			Reg. No.	Reg. Date
		Efficiency (%)							Efficiency (%)							Efficiency (%)							Efficiency (%)				
		Standard	result						Standard	average	min.					Standard	average	min.					Standard	average	min.		
0.75	1	75.5	74.59	72.82		0.75	1	82.5	81.78	80.39			0.75	1	80.0	79.21	77.67			0.75	1	74.0	73.05	71.22			
1.5	2	84.0	83.33	82.03		1.5	2	84.0	83.33	82.03			1.5	2	85.5	84.88	83.68			1.5	2	85.5	84.88	83.68			
2.2	3	84.0	83.33	82.03		2.2	3	86.5	85.92	84.78			2.2	3	86.5	85.92	84.78			2.2	3	86.5	85.92	84.78			
3.7	5	85.5	84.88	83.68		3.7	5	87.5	86.96	85.89			3.7	5	87.5	86.96	85.89			3.7	5	87.5	86.96	85.89			
5.5	7.5	87.5	86.96	85.89		5.5	7.5	88.5	87.99	87.00			5.5	7.5	88.5	87.99	87.00			5.5	7.5	88.5	87.99	87.00			
7.5	10	88.5	87.99	87.00		7.5	10	89.5	89.03	88.11			7.5	10	90.2	89.76	88.89			7.5	10	89.5	89.03	88.11			
11	15	89.5	89.03	88.11		11	15	91.0	90.59	89.79	122120228	13 Jun 12	11	15	90.2	89.76	88.89	122110824	09 Sep 11	11	15	89.5	89.03	88.11			
15	20	90.2	89.76	88.89		15	20	91.0	90.59	89.79	122110588	30 May 11	15	20	91.0	90.59	89.79	122110825	09 Sep 11	15	20	90.2	89.76	88.89			
18.5	25	91.0	90.59	89.79		18.5	25	91.7	91.32	90.57	122110589	30 May 11	18.5	25	91.7	91.32	90.57	122110590	30 May 11	18.5	25	90.2	89.76	88.89			
22	30	91.0	90.59	89.79		22	30	92.4	92.05	91.36	122110826	09 Sep 11	22	30	92.4	92.05	91.36	122110591	30 May 11	22	30	91.0	90.59	89.79			
30	40	91.7	91.32	90.57	122130445	09 Jun 13	30	40	93.0	92.68	92.03	122110739	29 Jul 11	30	40	93.0	92.68	92.03	-	-	30	40	91.0	90.59	89.79		
37	50	92.4	92.05	91.36	-	-	37	50	93.0	92.68	92.03	122110740	29 Jul 11	37	50	93.0	92.68	92.03	122110866	07 Oct 11	37	50	91.7	91.32	90.57		
45	60	93.0	92.68	92.03	-	-	45	60	93.6	93.30	92.71	122090025	11 May 09	45	60	93.6	93.30	92.71	122080124	01 Jul 08	45	60	92.4	92.05	91.36		
55	75	93.0	92.68	92.03	122130371	15 May 13	55	75	94.1	93.82	93.27	122080185	14 Nov 08	55	75	93.6	93.30	92.71	122080125	01 Jul 08	55	75	93.6	93.30	92.71		
75	87	-	-	-	122101407	02 Dec 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
75	100	93.0	92.68	92.03	122101403	02 Dec 10	75	100	94.1	93.82	93.27	122080129	01 Jul 08	75	100	94.1	93.82	93.27	122080126	01 Jul 08	75	100	93.6	93.30	92.71		
90	120	93.6	93.30	92.71	122110924	24 Nov 11	90	120	94.5	94.24	93.73	122120065	15 Feb 12	90	120	94.1	93.82	93.27	122130016	25 Jan 13	90	120	93.6	93.30	92.71		
90	125	-	-	-	122110932	25 Nov 11	90	125	-	-	-	122120068	02 Mar 12	-	-	-	-	-	-	-	-	-	-	-	-	-	
110	135	-	-	-	122120053	05 Feb 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
110	150	93.6	93.30	92.71	122120048	19 Jan 12	110	150	95.0	94.76	94.29	122090026	11 May 09	110	150	94.5	94.24	93.73	-	-	110	150	93.6	93.30	92.71		
132	161	-	-	-	122110116	11 Jan 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
132	174	-	-	-	122120047	19 Jan 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
132	175	93.6	93.30	92.71	122101419	15 Dec 10	132	175	95.0	94.76	94.29	-	-	132	175	94.5	94.24	93.73	-	-	132	175	-	-	-		
132	187	-	-	-	122101420	15 Dec 10	160	200	-	-	-	122130364	17 Apr 13	-	-	-	-	-	-	-	-	-	-	-	-	-	
160	215	94.5	94.24	93.73	122090027	11 May 09	160	215	95.0	94.76	94.29	122130293	05 Apr 13	160	215	94.5	94.24	93.73	-	-	160	215	-	-	-		
-	-	-	-	-	-	-	200	250	-	-	-	122130621	10 Oct 13	-	-	-	-	-	-	-	-	-	-	-	-	-	
200	240	-	-	-	122140062	26 Feb 14	200	255	-	-	-	122130473	01 Jul 13	-	-	-	-	-	-	-	-	-	-	-	-	-	
200	255	-	-	-	122140132	07 May 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
200	270	94.5	94.24	93.73	122140029	28 Jan 14	200	270	95.0	94.76	94.29	122130449	21 Jun 13	200	270	-	-	-	-	-	200	270	-	-	-		

2 POLE PREMIUM					4 POLE PREMIUM					6 POLE PREMIUM					8 POLE PREMIUM				
Output (kW)	Output (Hp)	Standard (%)	Reg. No.	Reg. Date	Output (kW)	Output (Hp)	Standard (%)	Reg. No.	Reg. Date	Output (kW)	Output (Hp)	Standard (%)	Reg. No.	Reg. Date	Output (kW)	Output (Hp)	Standard (%)	Reg. No.	Reg. Date
0.75	1	77.0	122130541	06 Aug 13	0.75	1	85.5	122140251	21 Aug 14	0.75	1	82.5	122130542	06 Aug 13	0.75	1	75.5	122150099	03 Mar 15
1.5	2	85.5	122130558	16 Aug 13	1.5	2	86.5	122140145	27 May 14	1.5	2	88.5	122140133	12 May 14	1.5	2	84.0		
2.2	3	86.5	122130544	06 Aug 13	2.2	3	89.5	122140355	28 Nov 14	2.2	3	89.5	122140177	05 Jul 14	2.2	3	85.5		
3.7	5	88.5	122130559	16 Aug 13	3.7	5	89.5	122140146	27 May 14	3.7	5	89.5	122140178	05 Jul 14	3.7	5	86.5		
5.5	7.5	89.5	122140252	21 Aug 14	5.5	7.5	91.7	122140253	21 Aug 14	5.5	7.5	91.0	122140179	05 Jul 14	5.5	7.5	86.5		
7.5	10	90.2	122140147	27 May 14	7.5	10	91.7	122140148	27 May 14	7.5	10	91.0	122140180	05 Jul 14	7.5	10	89.5		
11	15	91.0	122140149	27 May 14	11	15	92.4	122140181	05 Jul 14	11	15	91.7	122140150	27 May 14	11	15	89.5		
15	20	91.0	122140182	05 Jul 14	15	20	93.0	122140183	05 Jul 14	15	20	91.7	122140151	27 May 14	15	20	90.2		
18.5	25	91.7	122140184	05 Jul 14	18.5	25	93.6	122140185	05 Jul 14	18.5	25	93.0	122140186	05 Jul 14	18.5	25	90.2		
22	30	91.7	122140152	27 May 14	22	30	93.6	122140187	05 Jul 14	22	30	93.0	122140142	21 May 14	22	30	91.7		
30	40	92.4	122140210	16 Jul 14	30	40	94.1	122140119	26 Apr 14	30	40	94.1	122140121	26 Apr 14	30	40	91.7		
37	50	93.0	122130623	29 Oct 13	37	50	94.5	122140120	26 Apr 14	37	50	94.1	122140122	26 Apr 14	37	50	92.4		
45	60	93.6	122130624	29 Oct 13	45	60	95.0	122140188	05 Jul 14	45	60	94.5	122140134	12 May 14	45	60	92.4		
55	75	93.6	122140211	16 Jul 14	55	75	95.4	122140189	05 Jul 14	55	75	94.5	122140135	12 May 14	55	75	93.6		
75	100	94.1	122140212	16 Jul 14	75	100	95.4	122140128	02 May 14	75	100	95.0	122140139	21 May 14	75	100	93.6		
90	120	95.0	122140213	16 Jul 14	90	120	95.4	122140141	21 May 14	90	120	95.0	122140129	02 May 14	90	120	94.1		
110	150	95.0	156161163	23 Dec 16	110	150	95.8	122140140	21 May 14	110	150	95.8	122150101	03 Mar 15	110	150	94.1		
132	175	95.4	122150261	20 Apr 15	132	175	95.8	122140220	08 Aug 14	132	175	95.8	156160578	16.06.22	132	175	94.5		
160	215	95.4			160	215	96.2	122150034	23 Jan 15	160	215	95.8	156160420	16.05.18	160	215	94.5	122140077	08 Apr 14
200	250	95.8			200	270	96.2	122150100	03 Mar 15	200	270	95.8			200	270	94.5		

■ Higen Efficiency Motor (IE3) - ODP



2 POLE PREMIUM					4 POLE PREMIUM					6 POLE PREMIUM				
Output (kW)	Output (Hp)	Standard (%)	Reg. No.	Reg. Date	Output (kW)	Output (Hp)	Standard (%)	Reg. No.	Reg. Date	Output (kW)	Output (Hp)	Standard (%)	Reg. No.	Reg. Date
0.75	1	77.0			0.75	1	85.5			0.75	1	82.5		
1.5	2	85.5			1.5	2	86.5			1.5	2	87.5		
2.2	3	85.5			2.2	3	89.5			2.2	3	88.5		
3.7	5	86.5			3.7	5	89.5			3.7	5	89.5		
5.5	7.5	88.5			5.5	7.5	91.0			5.5	7.5	90.2		
7.5	10	89.5			7.5	10	91.7			7.5	10	91.7		
11	15	90.2			11	15	93.0			11	15	91.7		
15	20	91.0			15	20	93.0			15	20	92.4		
18.5	25	91.7			18.5	25	93.6			18.5	25	93.0		
22	30	91.7			22	30	94.1			22	30	93.6		
30	40	92.4	122130545	06 Aug 13	30	40	94.1			30	40	94.1		
37	50	93.0			37	50	94.5	156161068	21 Nov 16	37	50	94.1		
45	60	93.6			45	60	95.0			45	60	94.5	122150251	16 Apr 15
55	75	93.6	122130546	06 Aug 13	55	75	95.0	122150460	20 Sep 15	55	75	94.5	122140214	16 Jul 14
75	100	93.6	122150104	03 Mar 15	75	100	95.4	122150252	16 Apr 15	75	100	95.0		
90	120	94.1	156161077	23 Nov 16	90	120	95.4	156150020	08 Oct 15	90	120	95.0		
110	150	94.1	156161143	21 Dec 16	110	150	95.8	156161162	23 Dec 16	110	150	95.4		
132	175	94.5	122150461	20 Sep 15	132	175	95.8	122150462	20 Sep 15	132	175	95.4		
160	215	95.0	122150461	10 Sep 15	160	215	95.8			160	215	95.4		
200	270	95.0			200	270	95.8			200	270	95.4		