

CERTIFICATES INDEX

CSA
UL
KGS
 안전증방폭형 / 내압방폭형

KS
 Certification
 Korean Industrial Standards

TRACERTIFICATION
ANAB
IAF
 INTERNATIONAL
 ACCREDITATION
 ASSOCIATION

ISO9001

CE **TÜV**
 CE

IEC **IECEX**
IECEX
 (내압방폭형)

Team ATEX
ATEX
 (내압방폭형)

에너지절약
 에너지소비효율
 등급신고 확인서

고효율기자재
 고효율에너지
 기자재 인증서

HIGEN MOTORS

■ Explosion-proof motors certificates (KGS)

No	Out put (kW)	Pole	Structure and specification	Validity	Remark	Type	
1	0.12	2	Ex e II T3 0.12KW, 2P, 440V, 60Hz, F class	2007.5.11-2012.5.10		Increased safety e type	
2	0.75	2	Ex e II T3 0.75KW, 2P, 220/380V, 60Hz, F class	2006.10.17-2011.10.16			
3	1.5	2	Ex e II T3 1.5KW, 2P, 220/380V, 60Hz, F class	2006.10.17-2011.10.16			
4	2.2	2	Ex e II T3 2.2KW, 2P, 440V, 60Hz, F class	2010.3.11- No limit			
5	3.7	2	Ex e II T3 3.7KW, 2P, 440V, 60Hz, F class	2010.3.11- No limit			
6	5.5	2	Ex e II T3 5.5KW, 2P, 220/380V, 60Hz, F class	2006.10.17-2011.10.16			
7	7.5	2	Ex e II T3 7.5KW, 2P, 440V, 60Hz, F class	2010.3.11- No limit			
8	11	2	Ex e II T3 11KW, 2P, 440V, 60Hz, F class	2010.3.11- No limit			
9	15	2	Ex e II T3 15KW, 2P, 220/380V, 60Hz, F class	2010.9.01- No limit			
11	240	2	Ex e II T3 240KW, 2P, 3300V, 60Hz, F class	2007.11.16-2012.11.15			
12	0.4	4	Ex e II T3 0.4KW, 4P, 440V, 60Hz, F class	2010.1.28- No limit			
13	0.55	4	Ex e II T3 0.55KW, 4P, 440V, 60Hz, F class	2007.5.11-2012.5.10			
14	0.75	4	Ex e II T3 0.75KW, 4P, 440V, 60Hz, F class	2010.1.26- No limit			
15	1.5	4	Ex e II T3 1.5KW, 4P, 220/380V, 60Hz, F class	2010.3.11- No limit			
16	2.2	4	Ex e II T3 2.2KW, 4P, 380V, 60Hz, F class	2010.1.28- No limit			
17	3.7	4	Ex e II T3 3.7KW, 4P, 220/380V, 60Hz, F class	2010.1.26- No limit			
18	5.5	4	Ex e II T3 5.5KW, 4P, 220/380V, 60Hz, F class	2006.10.17-2011.10.16			
19	7.5	4	Ex e II T3 7.5KW, 4P, 220/380V, 60Hz, F class	2010.1.28- No limit			
20	11	4	Ex e II T3 11KW, 4P, 380V, 60Hz, F class	2010.1.28- No limit			
21	15	4	Ex e II T3 15KW, 4P, 440V, 60Hz, F class	2010.1.28- No limit			
22	18.5	4	Ex e II T3 18.5KW, 4P, 440V, 60Hz, F class	2010.1.28- No limit			
23	22	4	Ex e II T3 22KW, 4P, 380V, 60Hz, F class	2010.1.28- No limit			
24	30	4	Ex e II T3 30KW, 4P, 380V, 60Hz, F class	2010.3.11- No limit			
25	37	4	Ex e II T3 37KW, 4P, 440V, 60Hz, F class	2010.9.01- No limit			
26	45	4	Ex e II T3 45KW, 4P, 440V, 60Hz, F class	2010.3.11- No limit			
27	55	4	Ex e II T3 55KW, 4P, 440V, 60Hz, F class	2010.9.01- No limit			
28	75	4	Ex e II T3 75KW, 4P, 440V, 60Hz, F class	2006.10.17-2011.10.16			
29	95	4	Ex e II T3 95KW, 4P, 440V, 60Hz, F class	2010.9.01- No limit			
31	190	4	Ex e II T3 190KW, 4P, 6600V, 60Hz, F class	2005.9.22-2010.9.21			
32	250	4	Ex e II T3 250KW, 4P, 3300V, 60Hz, F class	2007.11.16-2012.11.15			
34	0.75	6	Ex e II T3 0.75KW, 6P, 460V, 60Hz, F class	2010.3.11- No limit			
35	1.5	6	Ex e II T3 1.5KW, 6P, 220/380V, 60Hz, F class	2010.3.11- No limit			
36	2.2	6	Ex e II T3 2.2KW, 6P, 220/380V, 60Hz, F class	2010.3.11- No limit			
37	5.5	6	Ex e II T3 5.5KW, 6P, 440V, 60Hz, F class	2010.3.11- No limit			
38	7.5	6	Ex e II T3 7.5KW, 6P, 220/380V, 60Hz, F class	2010.3.11- No limit			
39	11	6	Ex e II T3 11KW, 6P, 440V, 60Hz, F class	2010.3.11- No limit			
40	15	6	Ex e II T3 15KW, 6P, 440V, 60Hz, F class	2010.3.11- No limit			
41	22	6	Ex e II T3 22KW, 6P, 440V, 60Hz, F class	2010.3.11- No limit			
42	37	6	Ex e II T3 37KW, 6P, 220/380V, 60Hz, F class	2007.8.1-2012.7.31			
42-1	45	6	Ex e II T3 45KW, 6P, 440V, 60Hz, F class	2010.1.28- No limit			
43-1	132	6	Ex e II T3 132KW, 6P, 440V, 60Hz, F class	2009.9.14- No limit			
46	37	8	Ex e II T3 37KW, 8P, 440V, 60Hz, F class	2010.1.28- No limit			
47	45	8	Ex e II T3 45KW, 8P, 440V, 60Hz, F class	2010.1.28- No limit			
30	110	4	Ex d IIB T4 110KW, 4P, 415V, 50Hz	2008.2.21-2013.2.20			Flameproof d type
33	261	4	Ex d IIB T4 261KW, 4P, 380V, 50Hz, F class	2010.4.08- No limit	185KW*6P, D355P4-01(01-09)		
48	1.5	4	Ex d IIB T4 1.5KW, 4P, 380V, 50Hz, F class	2009.2.20-2014.2.19	0.75KW*6P, 1.5KW*2/4P, 2.2KW*2P		
49	11	4	Ex d IIB T4 11KW, 4P, 380V, 50Hz, F class	2009.2.20-2014.2.19	7.5KW*6P, 11KW*2/4P, 15KW*2P		
50	5.5	4	Ex d IIB T4 5.5KW, 4P, 380V, 50Hz, F class	2009.2.20-2014.2.19	3.7KW*6P, 5.5KW*2/4P, 7.5KW*2P		
101	37	2	Ex d IIB T4 37KW, 2P, 380V, 50Hz, F class	2009.3.03-2014.3.02	30KW*6P, 37KW*2/4P		
102	0.75	4	Ex d IIB T4 0.75KW, 4P, 380V, 50Hz, F class	2009.3.12-2014.3.11	0.75KW*2/4P		
103	2.2	4	Ex d IIB T4 2.2KW, 4P, 380V, 50Hz, F class	2009.3.12-2014.3.11	1.5KW*6P, 2.2KW*4P		
104	3.7	4	Ex d IIB T4 3.7KW, 4P, 380V, 50Hz, F class	2009.3.12-2014.3.11	2.2KW*6P, 3.7KW*2/4P		
105	7.5	4	Ex d IIB T4 7.5KW, 4P, 380V, 50Hz, F class	2009.3.03-2014.3.02	5.5KW*6P, 7.5KW*4P		
106	15	4	Ex d IIB T4 15KW, 4P, 380V, 50Hz, F class	2009.3.03-2014.3.02	11KW*6P, 15KW*4P, 18.5KW*2P		
107	18.5	4	Ex d IIB T4 18.5KW, 4P, 380V, 50Hz, F class	2009.3.03-2014.3.02	15KW*6P, 18.5KW*4P, 22KW*2/4P		
108	75	4	Ex d IIB T4 75KW, 4P, 440V, 60Hz, F class	2010.3.12- No limit			

■ Explosion-proof motors certificate (ATEX)

NO	Out put (kW)	Pole	Certificate No.	Structure and specification	Certificate Authority	Remark
1	110	4	LCIE 09 ATEX 3009	Ex d IIB T4, IP55, 110KW, 4P, 380/415V, 50Hz	LCIE (Laboratoire Central des Industries Electriques)	ATEX

■ High Efficiency Certificate (MEPS) for TEFC type

Rated Out put		2 poles	Date of Issue	Rated Out put		4 poles	Date of Issue	Rated Out put		6 poles	Date of Issue
kW	HP	Efficiency Standard (%)		kW	HP	Efficiency Standard (%)		kW	HP	Efficiency Standard (%)	
0.75	1	75.5	17-May-10	0.75	1	82.5	17-May-10	0.75	1	80.0	17-May-10
1.5	2	84.0	17-May-10	1.5	2	84.0	6-May-10	1.5	2	86.5	17-May-10
2.2	3	85.5	17-May-10	2.2	3	87.5	17-May-10	2.2	3	87.5	17-May-10
3.7	5	87.5	17-May-10	3.7	5	87.5	6-May-10	3.7	5	87.5	17-May-10
5.5	7.5	88.5	17-May-10	5.5	7.5	89.5	-	5.5	7.5	89.5	17-May-10
-	-			5.5	8		17-May-10	-	-		
7.5	10	89.5	17-May-10	7.5	10	89.5	6-May-10	7.5	10	89.5	17-May-10
11	15	90.2	17-May-10	11	15	91.0	17-May-10	11	15	90.2	17-May-10
15	20	90.2	17-May-10	15	20	91.0	17-May-10	15	20	90.2	17-May-10
18.5	25	91.0	17-May-10	18.5	25	92.4	17-May-10	18.5	25	91.7	17-May-10
22	30	91.0	17-May-10	22	30	92.4	17-May-10	22	30	91.7	17-May-10
30	40	91.7	17-May-10	30	40	93.0	17-May-10	30	40	93.0	17-May-10
37	50	92.4	17-May-10	37	50	93.0	17-May-10	37	50	93.0	17-May-10
45	60	93.0	17-May-10	45	60	93.6	17-May-10	45	60	93.6	17-May-10
55	75	93.0	17-May-10	55	75	94.1	17-May-10	55	75	93.6	17-May-10
65	87		17-May-10	-	-			-	-		
75	100	93.6	17-May-10	75	100	94.5	17-May-10	75	100	94.1	17-May-10
90	120	94.5	17-May-10	90	120	94.5	17-May-10	90	120	94.1	17-May-10
90	124		17-May-10	90	124		17-May-10	-	-		
-	-			90	125		17-May-10	90	125		17-May-10
-	-			110	134		17-May-10	-	-		
110	150	94.5	17-May-10	110	150	95.0	17-May-10	110	150	95.0	17-May-10
132	175	94.5	17-May-10	132	175	95.0	17-May-10	132	175	95.0	17-May-10
160	200		17-May-10	160	200		17-May-10	-	-		
160	215	95.0	17-May-10	160	215	95.0	17-May-10	160	215	95.0	17-May-10
200	270	95.0	-	200	270	95.0	17-May-10	200	270	.-	-

■ UL certificates

Certificate	Certificate Authority	Item	Date of Issue	Model name
UL	Underwriter Laboratories Inc.	INSULATION SYSTEMS	1998-12-22	GS-130, GS-131, GS-155, OEK-155
UL	Underwriter Laboratories Inc.	MOTOR	1998-12-22	KMI-30HK1, KMI-50HK1, KMI-75HK1
UL	Underwriter Laboratories Inc.	MOTOR	1998-12-23	I400K1APU, I01HK1APU, I02HK1APU, I03HK1APU, I05HK1APU, I08HK1APU
UL	Underwriter Laboratories Inc.	MOTOR (Elevator motor)	1999-02-26	EL07HU1, EL10HU1, EL15HU1, EL20U1, EL30HU1, EL30HU1S, EL40HU1, EL40HU1S
UL	Underwriter Laboratories Inc.	MOTOR (Elevator motor)	1999-03-01	ES08HC8, ES08HZ8, ES08HG8, ES10HC8, ES10HZ8, ES08HG8, ES15HC9, ES15HZ9, ES15HG9
UL	Underwriter Laboratories Inc.	MOTOR (Hydraulic elevator)	1999-03-02	KMQ-20HB1, KMQ-20HC1, KMQ-25HB1, KMQ-25HC1, KMQ-30HC1, KMQ-40HB1, KMQ-40HC1, KMQ-50HB1, KMQ-60HB1, KMQ-60HC1, KMQ-75HB1, KMQ-75HC1
UL	Underwriter Laboratories Inc.	MOTOR	2000-04-12	I400K6FUL1, I01HK1FUL1, I02HK8FUL1
UL	Underwriter Laboratories Inc.	MOTOR	2001-08-31	T400L6GSUL (Single phase)
UL	Underwriter Laboratories Inc.	MOTOR (Hydraulic elevator)	2001-09-21	KMR-02KB3, KMR-03HB3 (Single phase)
UL	Underwriter Laboratories Inc.	MOTOR	2001-11-30	T01HM6COTA (Single phase)
UL	Underwriter Laboratories Inc.	MOTOR	2002-08-05	I10HC1, I10HY1, I10HB1, I10HS1, I13HC1, I13HY1, I13HB1, I13HS1
UL	Underwriter Laboratories Inc.	MOTOR (Hydraulic elevator)	2004-10-04	KMS-15HB4, KMS-15HC4, KMS-15HS4, KMS-20HB4, KMS-20HC4, KMS-20HS4, KMS-25HB4, KMS-25HC4, KMS-25HS4, KMS-30HB4, KMS-30HC4, KMS-30HS4, KMS-40HB4, KMS-40HC4, KMS-40HS4, KMS-50HB4, KMS-50HC4, KMS-50HS4
UL	Underwriter Laboratories Inc.	MOTOR (Hydraulic elevator)	2007-07-19	KMQ-40HB1N, KMQ-40HC1N, KMQ-50HB1N, KMQ-50HC1N, KMQ-60HB1N, KMQ-60HC1N, KMQ-75HB1N, KMQ-75HC1N