

## Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the LR Type Approval System.*

This certificate is issued to:

PRODUCER	CMG Pty. Ltd. 19 Corporate Avenue, Rowville VIC 3178 Australia
PLACE OF PRODUCTION	For PPA & PPC and PPD Nanyang Explosion Protection Group Co., Ltd. 22, North Zhongjing Road, Nanyang City, Henan Province, 318058 P.R. China  For SGA and SLA Zhejiang jinlong Electrical Machinery Stock Co., Ltd. No. 132, Industrial Road, Jingqing Town, Luqiao District, Taizhou City, Zhejiang Province 318058, P.R. China
DESCRIPTION	AC Three Phase Induction Motors
TYPE	PPA & PPC Series PPD Series SGA Series SLA Series
APPLICATION	Marine, offshore and industrial applications
DESING CODE STANDARD	IEC60034-1,IEC60092-301

Certificate No.	08/10039
Issue Date	18 July 2008
Expiry Date	17 July 2013
Sheet	1 of 2

H. Murase  
Yokohama Design Support Office  
Lloyd's Register

*Lloyd's Register, registered office:*  
71 Fenchurch Street, London EC3M 4BS

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## RATINGS

Type	Rated Output (kW)	Rated Voltage (V)	Rated Freq. (Hz)	No. of Poles	Insulation Class	Encl.	Frame Size	Ambient Temp. (°C)	Remarks
PPA & PPC	0.37 to 1000	380 to 1100	50,60	2,4,6,8	H	IP66	80 to 450	45	cast iron, continuous duty, temp.rise to B
PPD	0.55 to 90	100 to 1100	40,50,60	2,4,6,8	F	IP66	80 to 280	45	cast iron, continuous duty, temp.rise to B, Exd I/IIB T4
SGA	0.37 to 315	100 to 1000	50,60	2,4,6,8 2 speed	F	IP55	71 to 355	45	cast iron, continuous duty, temp.rise to B
SLA	0.09 to 18.5	380 to 420	50,60	2,4,6,8	F	IP55	56 to 160	45	aluminium, continuous duty, temp.rise to B

Note: This certificate does not verify a safe type for use in explosive gas atmosphere or in the presence of combustible dusts.

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Asia of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. 08/10039 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

Certificate No. 08/10039  
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