Barriers and Ways to Develop R290 RAC

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Litx@hotmail.com 3 Jun, 2013









Midea Air-conditioning & Refrigeration

Midea has the most complete and largest Air Conditioner production chain in China. The main products include RAC, commercial air conditioner, refrigerator, washing machine and compressor



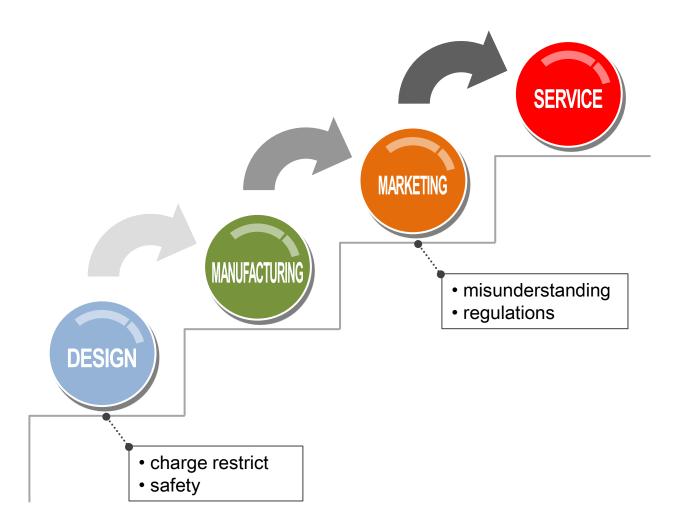




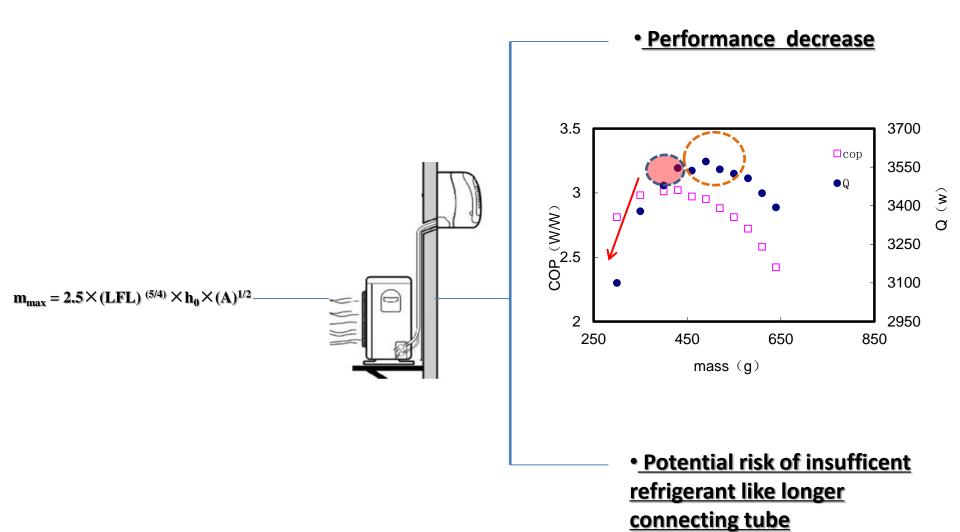






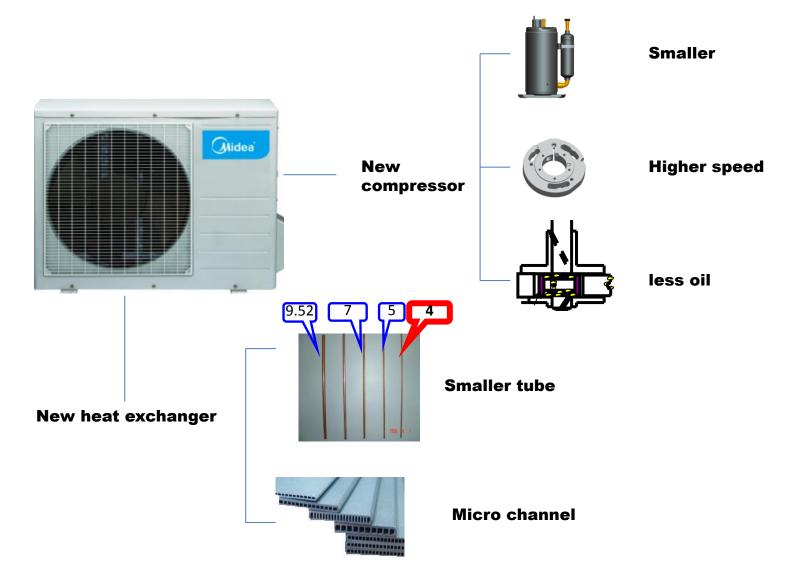










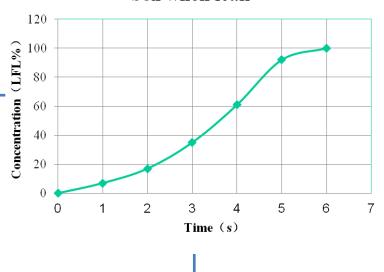




• Leak simulation tests The leak rate shall be maintained at 25 % \pm 5 % of the total appliance charge in 1 min.



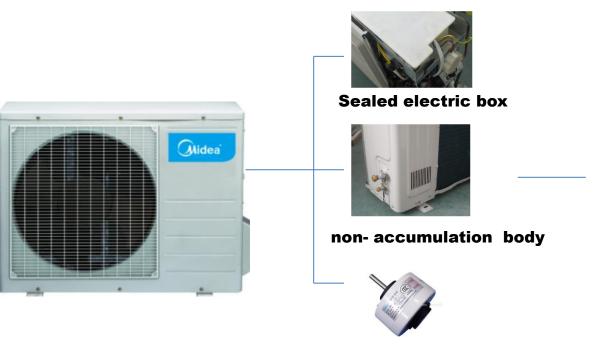
R290 Concentration in the electronic box when leak

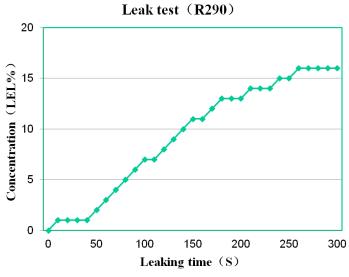


Easy to get to the LFL with ordinary R22 RAC structure







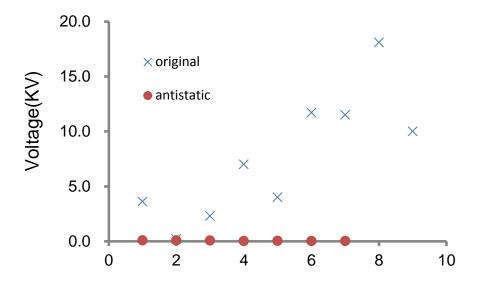


Qualified ex-proof components











CERTIFICATE



of Conformity Low Voltage Directive 2006/95/EC

Registration No.:

AN 50247298 0001

Report No.:

16050481 001

Holder:

GD Midea Air-Conditioning

Equipment Co., Ltd. Midea Industrial City, Beijiao, Shunde Foshan, Guangdong

P.R. China

Product:

Air Conditioner

(Split Type Air Conditioner)

Identification:

MS11M-09HRFN7-QRC4

(indoor: MS11M~09HRFN7-QRC4, outdoor: MOB-09HFN7-QRC4)

Serial No. : n.a.

Remark : Refer to test report 16050481 001 for details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Certification Body

Date 30.01.2013

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

The CE marking may be used if all relevant and effective EC Directives are complied with.







防爆电气设备

防爆合格证(附页)

编号: CNEx13.1152X

本产品配用的防爆电气产品如下:

序号	产品名称	型号、规格	防爆标志	数量
1	防爆室内电控盒组 件	AU-KFR35G/BP3N8Y-11M(D0).D.11.DK 1(Ex-nC-IIB-T6).1 220V~240V 100W	Ex nC HB T6 Ge	1
2	无刷直流电机	WZDK20-38G 310VDC 20W	Ex nA II T4 Ge	1
3	步进电机	MP24GA6 12VDC	Ex nA II T6 Ge	1
4	防爆电抗器	R1005L(Ex-nA-H-T4) 220V~240V 10A	Ex nA II T4 Gc	1
5	防爆四通电磁阀	DSF-4 220V~240V 6W	Ex nA II T6 Gc	1
6	防爆室外电控盒组 件	AU-KFR35W/BP3N8-120(D0).D.13.DK1(Ex-nC-HB-T6).1 220V~240V 100W	Ex nC HB T6 Ge	1
7	无刷直流电机	WZDK35-38G 310VDC 35W	Ex nA II T4 Ge	1

颁发日期

2013年4月8日

中心主任

强



国家防爆电气产品质量监督检验 地址:中国河南省南阳市仲景北路20号 縣政編码: 473008

电话: 0377-63258564 传真: 0377-63208175 Http://www.china-ex.com

CNEX

防爆电气设备

防爆合格证

编号: CNEx13.1152X

制造单位

广东美的制冷设备有限公司 地址:佛山市顺德区北滘镇林港路

产品名称

防爆分体挂壁式空调器

/ HH 14 1

DAMEN LETTERATE ACTUALITY

型号规格

MS11M-12HRFN8-QD0G 220V~240V 制冷量 3500W

防爆标志

Ex mb nA nC HB T4 Ge

产品标准

QMK-J21.017-2012

总装图号

MS11M-12HRFN8-QD0G

经对上述产品图样及技术文件的审查和样品检验,确认符合下列标准:

GB3836.1-2010《爆炸性环境 第1部分:设备 通用要求》

GB3836.8-2003《爆炸性气体环境用电气设备 第8部分: "n"型电气设备》 GB3836.9-2006《爆炸性气体环境用电气设备 第9部分: 浇封型 "m"》

记 事

潜在静电电荷危险, 详见使用说明书。

本证有效期

2013年4月8日至2018年4月7日

颁发日期

2013年4月8日

中心主任

强



国家防爆电气产品质量监督检验中心

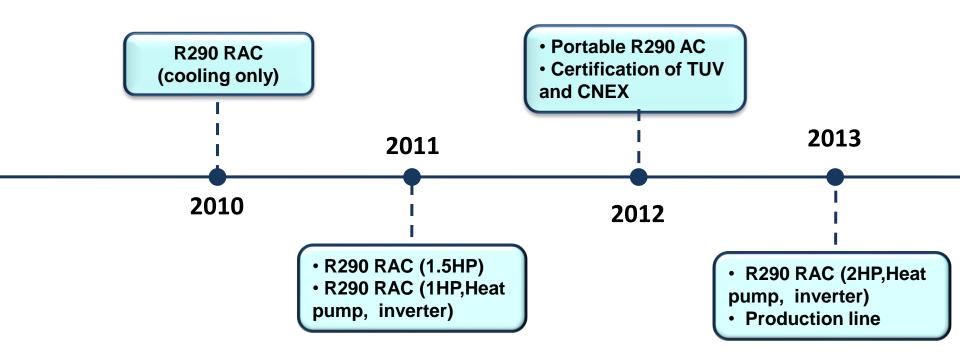
地址:中国河南省南阳市仲景北路20号 邮政编码: 473008

电话: 0377-63258564 传真: 0377-63208175 Http://www.china-ex.com

注: 本证书仅对与认可文件和样品一致的产品有效。 登陆网站 输入数码 查询真伪

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R290 production line supported by MLF



Midea















Acknowledgement

Thank MLF for supporting the R290 production line in Midea

Particularly grateful to UNIDO, FECO and CHEAA













3 - 4 June 2013 in Vienna

Thank you very much for your attention