DATA SHEET

MODEL : GXL200A

ER 10533.1

2015 生产文件 第二版
2015 PRODUCTION
DOCUMENT SECOND EDITION

2015 年 4 月 14 日

Edited	Checked	Approved	Edition
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2015-4-10

1. BASIC DATA

1.1 OPERATION:

Application:	LBP
Refrigerant:	R134a
Expansion device:	Capillary tube
Cooling:	Static
Evaporating Temperature Range:	-35 to -10°C
Max Ambient Temperature:	43°C (110°F)
Max Operating Discharge Temperature(1):	120°C (248°F)
Max Peak Discharge Temperature (1, 2):	135°C (275°F)
Max Operating Condensing Temperature:	60°C (140°F)
Max Peak Condensing Temperature(2):	70°C (158°F)
Max Winding Temperature:	130°C (266°F)
Max Impurities:	30 mg
Max Water Content:	100 mg

1.2 COMPRESSOR

Displacement:	7.0 cc
Cylinder Bore:	22.8 mm
Stroke:	17.2 mm
Net Weight(3):	7.8 Kg
Shell size:	164 mm
Oil charge:	120 cc
Oil Type:	RL9EB
Oil viscosity(4):	9 cSt
Suction system:	Direct

1.3 MOTOR

Power supply:	220~240 V
Voltage limits:	187~264 V
Frequency:	50 Hz
Phase:	1
Motor Type:	RSCR
Motor Code:	C077
Electrical Insulation Class:	B
Locked Rotor Current at 220V-Max value with RC:	8.7A
Locked Rotor Current at 220V-After 4s with RC:	4.47A
Main Winding Resistance at 20°C (68°F):	18.05Ω
Start Winding Resistance at 20°C (68°F):	21.4Ω

(1) Measured at 5 cm from the shell with insulated termocouples

(2) For transient conditions during "Pull Down"

(3) With oil and without external electricals

(4) Measured at 40°C (104°F)

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1.4 ELECTRICALS

Motor-protector

Manufacturer:	TianYin	SENBAO
Type:	ZHB75-125P15	BT67-120
Open temperature ℃:	120~130	115~125
Close temperature ℃:	48~66	52~70
U.T.C. A:	1.83(70℃)	1.62(70℃)
Time check current at 25℃ A:	7.5	6.7
Max current A:	20	15

PTC pill

Manufacture:	EPCOS	EPCOS
Type:	A556A135A120V4	A590-A100-A20
Resistance at 25℃,100V:	12-18 Ohm	15.75-26.25 Ohm
V max:	350 V	350 V
I max:	8 A	8 A
Curie temp.	130°C	100°C
Dimensions:	15.5 mm (diameter), 2.6 mm (thickness)	16 mm (diameter), 3.2 mm (thickness)

PTC starting device

Manufacturer:	TianYin	TianYin
Type:	ZHB75-125P15	BQP2-22

Connecting-board

Type:	GD，GDI
Fast-on size:	4.8 or 6.3 mm

Run capacitor

Type	plastic or metallic case
Capacitor	5uF
Vmax	400V
Working hours	Depend on customer needs

2. CALORIMETER DATA

2.1 Calorimeter test with capacitor		Evaporating Temperature/Condensing Temperature (°C)			
		-30/55°C	-23.3/55°C	-10/55°C	-23.3/40.5°C
Cooling Capacity	(W)	143.9	210	405.2	231
Input Power	(W)	98.6	123.5	180.4	114.2
COP	(W/W)	1.46	1.70	2.25	2.02
Current	(A)	0.44	0.54	0.82	0.50

Test conditions according to ASHRAE:

Subcooling temperature:	+32°C	Cooling:	Static cooling
Superheating temperature:	+32°C	Supply Voltage:	220 V
Suction temperature:	+32°C	Supply Frequency:	50 Hz
Room temperature:	+32°C	Run capacitor	5uF

3. OTHER PERFORMANCES

3.1 Starting test	Motor Temp. / Equalized Press.	
with capacitor	90°C / 5 Bar A	43°C / 6.5 Bar A
Min. Starting Voltage (V)	162	164

According to ACC-CQ-PRO-99016.D

3.2 Acoustic test	-25/+55°C	-20/+50°C	-23.3/+40°C
	ISO3745	GB9098	USA STD
A-weighted SPL (dBA)		42.0	-
Vibration (m/s^2)		0.24	-
Gas pulse level TPI (mBar)	-	-	-

3.3 Life test	Wear	High Temp.	On Off
	1000 h	2000 h	500 KCycles
Test Results	PASS	PASS	PASS
(Test Report)	RD2014-01-038	RD2014-02-038	RD2014-03-031

Wear Test according to CECOMAF GT4003

High Temperature Test according to CECOMAF GT4002

On Off Test according to CECOMAF GT4004

3.4 Transport test	2 h - 0.75m/s²		
	x - 3.25 grms	y - 7.5 grms	z - 11.5 grms
Test Results	PASS	PASS	PASS
	R&D/L_015_11		

According to GB/T 4857.10-92

3.5 oil transport test	Oil flow
	(g/h)
Test Results	N/A <4g

According to ACC-CQ-ES-99002.D

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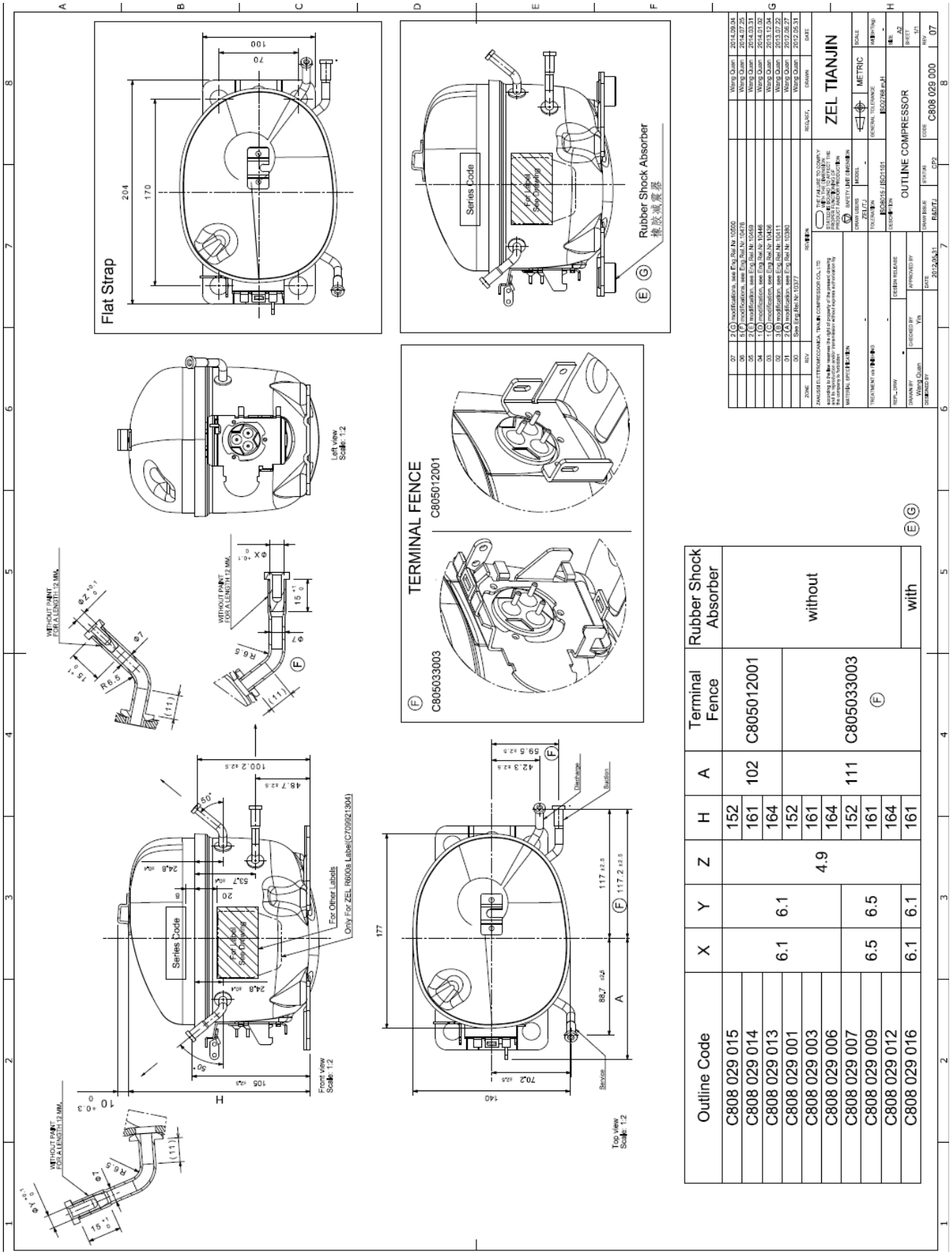
4. COMPRESSOR OUTLINE



Outline Code	X	Y	Z	H	A	Terminal Fence	Rubber Shock Absorber
C808 029 015	6.1	6.1	4.9	152	102	C805012001	without
C808 029 014				161			
C808 029 013				164			
C808 029 001				152	111	C805033003 Ⓕ	
C808 029 003				161			
C808 029 006				164			
C808 029 007	6.5	6.5		152			with
C808 029 009				161			
C808 029 012				164			
C808 029 016	6.1	6.1		161			

5. APPROVAL CERTIFICATE REFERENCE

中国国家强制性产品认证证书

证书编号：2015010704754532

委托人名称、地址

扎努西电气机械天津压缩机有限公司
天津港保税区（空港）保税路3号

生产者（制造商）名称、地址

扎努西电气机械天津压缩机有限公司
天津港保税区（空港）保税路3号

生产企业名称、地址

扎努西电气机械天津压缩机有限公司
天津港保税区（空港）保税路3号

产品名称和系列、规格、型号

电动机-压缩机

GXL200A 220-240V 50Hz R134a

产品标准和技术要求

GB4706.1-2005，GB4706.17-2010

上述产品符合强制性产品认证实施规则
CNCA-C07-01：2014的要求，特发此证。

发证日期：2015年03月18日　　有效期至：2020年03月18日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站www.cnca.gov.cn查询

主　任：

中国质量认证中心

中国·北京·南四环西路188号9区 100070

http://www.cqc.com.cn

Q 1103825

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No. : 2015010704754532

NAME AND ADDRESS OF THE APPLICANT

Zanussi Elettromeccanica Tianjin Compressor Co., Ltd.
NO.3 Baoshui Road, Tianjin Port Free Trade Zone(Air Port Industrial Park), PRC

NAME AND ADDRESS OF THE MANUFACTURER

Zanussi Elettromeccanica Tianjin Compressor Co., Ltd.
NO.3 Baoshui Road, Tianjin Port Free Trade Zone(Air Port Industrial Park), PRC

NAME AND ADDRESS OF THE FACTORY

Zanussi Elettromeccanica Tianjin Compressor Co., Ltd.
NO.3 Baoshui Road, Tianjin Port Free Trade Zone(Air Port Industrial Park), PRC

NAME, MODEL AND SPECIFICATION

MOTOR-COMPRESSOR

GXL200A 220-240V 50Hz R134a

THE STANDARDS AND TECHNICAL REQUIREMENTS FOR THE PRODUCTS

GB4706.1-2005, GB4706.17-2010

This is to certify that the above mentioned products have met the requirements of implementation rules for compulsory certification(REF NO. CNCA-C07-01:2014).

Date of issue: Mar.18, 2015 Date of expiry: Mar.18, 2020

Validity of this certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

This certificate can be verified through CNCA's website: www.cnca.gov.cn

President: Wang Kejiao

CHINA QUALITY CERTIFICATION CENTRE

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