



TOGETHER
for a sustainable future

OCCASION

This publication has been made available to the public on the occasion of the 50th anniversary of the United Nations Industrial Development Organisation.



TOGETHER
for a sustainable future

DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

CONTACT

Please contact publications@unido.org for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at www.unido.org

22264

Re Contract 97/075. Project MP/CPR/96/032

FINAL REPORT

We enclose copy of the previous reports.

We enclose copy of the tests made on compressors chosen randomly from the production made in JIAXIPERA. (note that the production is flowing at full speed).

The data obtained for the production samples repeat the results obtained on the masters-samples.

In the month of August 1999 the production procedures have been checked in CHINA by our engineers and found correct.

In the month of OCTOBER a delegation from JIAXIPERA has visited Italy (3 engineers). The purpose was the acceptance test of the rotary table production centre for the crankcase and to receive a training and explication on the drawings and specifications.

We enclose the **Pre-acceptance report**.

The machine will be shipped in the next days.

In the month of OCTOBER a delegation from JIAXIPERA has visited Italy (4 engineers) for a Study Tour organised by UNIDO. In the study tour the delegation, besides visiting several compressors manufacturers, have received a complete review of the new directions of the market, with special emphasis on the improvements from point of view of efficiency.

We enclose the **Study Tour Report**

CONCLUSION: our duty in relation to the above contract has been completed with full satisfaction of the enduser.

5th November 1999

SUPPLIER:	CINA	APPLICATION	L.B.P.	DATE	22-set-99
REFRIGERANT	R600a	TEST STANDARD: CECOMAF		ELECTRICAL COMPONENTS	
		TEST CONDITION:			
BILL MATERIAL	CINA	EVAPORATION	-25 °C	RELAY	PTC
MODEL	HB1085CY	CONDENSATION	55 °C	OVERLOAD	
VOLT AVAILABL	220/240 V	SUCTION PRESS.	0,579 Bar	RUN CAPACITOR	NO
FREQUENCY	50 Hz	DISCHARGE PRESS.	7,72 Bar A	START CAPACITOR	NO
BORE	24,3	LIQUID	55 ° C		
STROKE	17,5	OUT CALORIMETER	32 ° C		
DISPLACEMENT	8,1	AMBIENT	32 ° C		

SERIAL NUMBER	N°	1	.....	.....	.....
VOLTAGE TEST	v	220/50	.....	.....	.....
FAN	w	NO	.....	.....	.....
COOLING CAPACITY	w	92,5	.....	.....	.....
REFRIG. PUMPED	Kg	1,20	.....	.....	.....
WATT INPUT	w	98,1	.....	.....	.....
AMPERE INPUT	A	0,71	.....	.....	.....
C.O.P.	w/w	0,94	.....	.....	.....
MOTOR SPEED	R.P.M.	2929,0	.....	.....	.....
SUCTION (temp.)	° C	32,3	.....	.....	.....
DISCHARGE (temp.)	° C	81,7	.....	.....	.....
OIL SHELL (temp.)	° C	70,5	.....	.....	.....
MAIN WINDING (temp.)	° C		.....	.....	.....
START WINDING (temp.)	° C		.....	.....	.....
START ABILITY:	v	170	.....	.....	.....
at SUCTION/DICHARGE PRES	Bar A	3,2	.....	.....	.....
NOISE	dB(A)		.....	.....	.....

NOTES :

MOD.	Modifiche	Esp.	DATA	V.to	DESCRIZIONE
AQP012		F	ott-98	Calvarese	Inseriti diversi "serial number"

SUPPLIER:	CINA	APPLICATION	L.B.P.	DATE	22-set-99
REFRIGERANT	R600a	TEST STANDARD: CECOMAF		ELECTRICAL COMPONENTS	
		TEST CONDITION:			
BILL MATERIAL	CINA	EVAPORATION	-25 °C	RELAY	PTC
MODEL	HB1112CY	CONDENSATION	55 °C	OVERLOAD	
VOLT AVAILABL	220/240 V	SUCTION PRESS.	0,579 Bar	RUN CAPACITOR	NO
FREQUENCY	50 Hz	DISCHARGE PRESS.	7,72 Bar A	START CAPACITOR	NO
BORE	26,5	LIQUID	55 ° C		
STROKE	20	OUT CALORIMETER	32 ° C		
DISPLACEMENT	11,02	AMBIENT	32 ° C		

SERIAL NUMBER	N°	6	.....	.....
VOLTAGE TEST	v	220/50	.....	.....
FAN	w	NO	.....	.....
COOLING CAPACITY	w	126,6	.....	.....
REFRIG. PUMPED	Kg	1,65	.....	.....
WATT INPUT	w	123,6	.....	.....
AMPERE INPUT	A	0,92	.....	.....
C.O.P.	w/w	1,02	.....	.....
MOTOR SPEED	R.P.M.	2923,0	.....	.....
SUCTION (temp.)	° C	32,2	.....	.....
DISCHARGE (temp.)	° C	89,3	.....	.....
OIL SHELL (temp.)	° C	69,6	.....	.....
MAIN WINDING (temp.)	° C		.....	.....
START WINDING (temp.)	° C		.....	.....
START ABILITY:	v	170	.....	.....
at SUCTION/DICHARGE PRES	Bar A	3,2	.....	.....
NOISE	dB(A)		.....	.....

NOTES :

MOD.	Modifiche	Esp.	DATA	V.to	DESCRIZIONE
AQP012		F	ott-98	Calvarese	Inseriti diversi "serial number"

SUPPLIER:	CINA	APPLICATION	L.B.P.	DATE	22-set-99
REFRIGERANT	R600a	TEST STANDARD: CECOMAF		ELECTRICAL COMPONENTS	
		TEST CONDITION:			
BILL MATERIAL	CINA	EVAPORATION	-25 °C	RELAY	PTC
MODEL	HB1116CY	CONDENSATION	55 °C	OVERLOAD	
VOLT AVAILABL	220/240 V	SUCTION PRESS.	0,579 Bar	RUN CAPACITOR	NO
FREQUENCY	50 Hz	DISCHARGE PRESS.	7,72 Bar A	START CAPACITOR	NO
BORE		LIQUID	55 ° C		
STROKE		OUT CALORIMETER	32 ° C		
DISPLACEMENT	13	AMBIENT	32 ° C		

SERIAL NUMBER	N°	4	.....	.....
VOLTAGE TEST	v	220/50	.....	.....
FAN	w	NO	.....	.....
COOLING CAPACITY	w	151,5	.....	.....
REFRIG. PUMPED	Kg	1,97	.....	.....
WATT INPUT	w	152,8	.....	.....
AMPERE INPUT	A	1,13	.....	.....
C.O.P	w/w	0,99	.....	.....
MOTOR SPEED	R.P.M.	2928,0	.....	.....
SUCTION (temp.)	° C	32,1	.....	.....
DISCHARGE (temp.)	° C	97,9	.....	.....
OIL SHELL (temp.)	° C	72,1	.....	.....
MAIN WINDING (temp.)	° C		.....	.....
START WINDING (temp.)	° C		.....	.....
START ABILITY:	v	180	.....	.....
at SUCTION/DICHARGE PRES	Bar A	3,2	.....	.....
NOISE	dB(A)		.....	.....

NOTES :

MOD.	Modifiche	Esp.	DATA	V.to	DESCRIZIONE
AQP012		F	ott-98	Calvaresa	Inseriti diversi "serial number"

Att.ne : Ing. Boggio

modello : HB1085C

Prestazioni calorimetriche (condizioni CECOMAF)

ASHRAE

Matr.	W resi	W ass.	A ass.	Volt	c.o.p.	dB(A) *
1	92,7	99,2	0,72	170	0,93	38,5
17	94,9	100,0	0,73	170	0,95	36,0

1,7
119

modello : HB1112C

Prestazioni calorimetriche (condizioni CECOMAF)

Matr.	W resi	W ass.	A ass.	Volt	c.o.p.	dB(A) *
6	127,1	124,4	0,93	170	1,02	41,0
7	125,0	122,4	0,93	170	1,02	40,0

1.29
1.29

modello : HB1116C

Prestazioni calorimetriche (condizioni CECOMAF)

Matr.	W resi	W ass.	A ass.	Volt	c.o.p.	dB(A) *
3	156,7	151,5	1,15	180	1,03	41,5
4	151,0	147,3	1,13	180	1,03	42,0

1.30
1.30

* Valori puramente indicativi da verificare