

Intertek
1717 Arlingate Lane
Columbus, OH 43228



REFRIGERANT RECOVERY/RECYCLING EQUIPMENT CERTIFICATION PROGRAM

Program of the Air-Conditioning & Refrigeration Institute

TEST REPORT

REPORT SERIAL NUMBER: RRRE-083031Q-1
MANUFACTURER DECISION: QUALIFIER
TESTED FOR: ARI Certification Program for
Refrigerant Recovery/Recycling Equipment
2111 Wilson Blvd., Suite 500
Arlington, VA 22201

UNIT TESTED: **ZHEJIANG VALUE MECHANICAL & ELECTRICAL PRODUCTS CO. (VRR12A VALUE)**
UNIT SERIAL NUMBER: 09AK095
UNIT TYPE: RECOVERY
FEED METHOD: PUSH/PULL, LIQUID, VAPOR
COMPRESSOR TYPE: ZHEJIANG MANUFACTURED, RECIPROCATING, OIL-LESS, 3-PIECE BLOCK STYLE
COMPRESSOR SERIAL NO.: 8525
COMPRESSOR MOTOR: DIRECT DRIVE, ZHEJIANG, 1/2 HP, 1750 RPM
CONDENSER TYPE: FINNED TUBE, 3 ROWS, 4-1/2" x 8" x 2-1/2", 3/8" DIA. TUBING
CONDENSER FAN: BALL, MODEL XF1551ABHL, 0.32 AMPS, 5-1/2" DIA. DUCTED FAN
HEAT EXCHANGER TYPE: NONE
ACCUMULATOR TYPE: NONE
INLET OIL SEPARATOR TYPE: NONE
DISCHARGE SEPARATOR TYPE: NONE
PRESSURE REGULATOR TYPE: NONE, MANUALLY THROTTLED
DRIER TYPE: 032 INLINE FILTER DRIER WITH 4" LONG NARROW ID 1/4" HOSE
OTHER COMPONENTS: 1/4" MALE FLARE HOSE PORTS, HP SWITCH 558 PSI, SELF-EVAC MODE
CONDITION OF UNIT: The unit appears to be new with no observable defects.

DATES:	Sept. 18, 2008	Sept. 30, 2008	Oct. 8-15, 2008
	Selected	Received	Tested

TEST METHOD: ARI 740-98
ADJUSTMENTS TO METHOD: See Q102, Part 2
SELECTION PROCEDURE: Certification Program Operational Manual, OM-740 dated March 2000.

NOTICE: These results only apply to the item described in this report, which shall not be reproduced, except in full, without obtaining prior written approval from Intertek. No portion of this testing has been subcontracted to other laboratories. All quantified data is traceable to national standards of measurements. The estimated accuracy of these measurements appears in Q102.

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BRANDON BUTTON
ENGINEERING TECH TEAM LEADER

RAMZI AMAWI
OPERATIONS/ENGINEERING MANAGER

REFRIGERANT 22

CERTIFIED RATINGS	UNIT	INITIAL	RESULT	RATING	P/F
Push/Pull Liquid Refrigerant Recovery Rate	kg/min		5.57	5.57	Pass
Liquid Refrigerant Recovery Rate	kg/min		1.66	1.66	Pass
Vapor Refrigerant Recovery Rate	kg/min		0.12	0.12	Pass
Shut Off Vacuum Level (absolute pressure)	kPa		Lower than 45.00	45.00	Pass
High Temperature Vapor Recovery Rate	kg/min		0.12	0.12	Pass
Residual Trapped Refrigerant After Clearing	kg		<0.05	<0.05	Pass
Refrigerant Loss	% (weight)				
Recycle Flow Rate	kg/min				
Chlorides	pass/fail				
Particulates	pass/fail				
Moisture / Water Content	ppm (weight)				
Acidity	ppm (weight)				
High Boiling Residue	% (volume)				
Non-Condensables	% (volume)				
Quantity Recycled at Filter Change	kg				

**THIS EQUIPMENT HAS BEEN CERTIFIED BY AHRI TO
MEET EPA's MINIMUM REQUIREMENTS FOR
RECOVERY EQUIPMENT INTENDED FOR USE WITH
R-22 HIGH PRESSURE APPLIANCES.**