



# OSA 55-280 RK Commissioning Sheet

Form NS 214  
Issue 4, Aug. 2008

Start Up Date ..... Installing Company .....

Contract Name ..... Model No./ Serial No. .... / .....

## REFRIGERATION

	System 1	System 2 (if applicable)
Pipe sizes: Suction / Liquid (mm) .....	/	/
Line lengths: Horizontal / Vertical / Total (m) .....	/ /	/ /
Has line length has been accurately measured and entered on outdoor unit label ? .....	YES / NO	YES / NO
Oil traps in any riser with condenser above ? .....	YES / NO	YES / NO
Evacuation done (minimum hold 500 microns for 15 minutes) ? .....	YES / NO	YES / NO
Refrigerant type .....		
Refrigerant added / Total Refrigerant per System (kg) .....	/	/
Amount of oil (ml) added to system if line length over 30 m (where units are allowed beyond this length) .....		
Superheat setting (°C) (Refer Installation Instructions) .....		
Suction pressure/Discharge pressure on Cooling (kPag) .....	/	/
Suction pressure/Discharge pressure on Heating (kPag) .....	/	/
Refrigerant leak check ? .....	YES / NO	YES / NO
Refrigerant leak check of access points/caps (at end of commissioning)? .....	YES / NO	YES / NO

## ELECTRICAL

Supply voltage .....		
Compressor drawn amps .....		
Compare published compressor amps .....		
Outdoor unit fan motor amps drawn .....		
Indoor fan motor amps drawn .....		
Boost heater element amps drawn .....		
Total Unit amps drawn .....		
Thermostat setting (°C) .....		
Thermostat operating correctly ? .....	YES / NO	YES / NO
Contactors & relays operating correctly ? .....	YES / NO	YES / NO
All terminals checked for tightness and label signed ? .....	YES / NO	YES / NO

## TEMPERATURES

Outside ambient temperature (°C) .....		
Indoor Unit air temperature On / Off on Heating (°C) .....	/	/
Indoor Unit air temperature On / Off on Cooling (°C) .....	/	/

## DUCTING

OPTIONAL : Total Return air flow (Total of all inlets) (l/s) .....		
OPTIONAL : Total System external resistance (Pa) * .....		
Estimate of Fresh Air Make-Up ( % or l/s ) .....		

\* Total of external resistances measured downstream of fan outlets plus upstream of coil(s)

## GENERAL

Air filters: overall size and number .....		
Drain pipe traps and vents fitted to Indoor Unit as per Installation Instructions? .....	YES / NO	YES / NO
Drain is clearing water properly? .....	YES / NO	YES / NO
Check vibration of Outdoor Unit .....	OK / EXCESSIVE	
Check vibration of Indoor Unit/s .....	OK / EXCESSIVE	OK / EXCESSIVE
Paint finish checked and repaired? .....	YES / NO	

**CHARGE ALTERATIONS :** Refer to instructions oveleaf

SIGNED : ..... Approved Installer

**NOTE: This sheet to be completed and returned to temperzone and a copy retained for your files.**

**Failure to record and complete the above information may affect unit warranty.**

Australia : temperzone australia Pty Ltd, PO Box 6448 DC, Blacktown, NSW 2148 (or fax 02-8822 5701)

New Zealand : temperzone Ltd, Private Bag 93303, Otahuhu, Auckland (or fax 09-2755637)

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## **IMPORTANT**

**temperzone** recommends accurate charging/adding of refrigerant using one of two methods :

1. Digital refrigeration scales (spring balance is not acceptable)
2. Pre-calibrated charging cylinder.

These units are pre-charged for up to 10 metres actual line length and the final charge is crucial to correct operation. If you fear some charge has been lost, recover all the existing charge and re-charge accurately.