



# OPA Series (c/w Plug fans) Commissioning Sheet

Form NS231  
Issue 1, December 2015

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

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

REFRIGERATION	(If applicable)			
	System 1	System 2	System 3	System 4
Refrigerant type .....				
Refrigerant added on site per system, if required (kg) .....				
Refrigeration System Check: Cooling & Heating (NB system must be run at least 5 mins before reading taken)				
Suction pressure (SLP) (kPa) .....	/	/	/	/
Evaporating temperature (ET) (°C) .....	/	/	/	/
Suction temperature (SLT) (°C) .....	/	/	/	/
Suction Superheat (SSH) (°K) .....	/	/	/	/
Discharge pressure (OLP) (kPa) .....	/	/	/	/
Condensing temperature (CT) (°C) .....	/	/	/	/
Discharge temperature (DLT) (°C) .....	/	/	/	/
Discharge Superheat (DSH) (°K) .....	/	/	/	/
Refrigerant leak check ?.....	YES / NO	YES / NO	YES / NO	YES / NO

**Note:** Digital compressors must be run at 100% capacity (by disconnecting SSR2 to M/V)

## ELECTRICAL

Supply voltage .....				
Compressor drawn amps .....				
Overload setting .....				
Compare published compressor amps .....				
Outdoor fan motor amps drawn .....				
Indoor air fan motor amps drawn .....				
Boost heater element amps drawn .....				
Total Unit amps drawn .....				
Check and adjust if necessary the air pressure switch (APS), ie cuts out half air flow .....	YES	/	NO	
Check economiser damper function (if fitted) as per I&M instructions .....	YES	/	NO	
Thermostat setting (°C) .....	YES	/	NO	
Thermostat operating correctly ? .....	YES	/	NO	
Contactors & relays operating correctly ? .....	YES	/	NO	
All terminals checked for tightness and label signed ? .....	YES	/	NO	

## TEMPERATURES

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

## DUCTING

Total Return air flow (Total of all inlets) (l/s) .....	
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 as per Installation Instructions? .....	YES	/	NO
Drain is clearing water properly? .....	YES	/	NO
Check vibration of unit .....	OK	/	EXCESSIVE
Removed compressor shipping blocks?.....	YES	/	NO
Paint finish checked and repaired?.....	YES	/	NO

SIGNED : ..... Commissioning Engineer: Name..... Mobile no. ....

**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.**