



**88BA-1/2**  
SERVICE MAIN & STAND-BY FAN MOTORS  
POWER SUPPLY 400 V / 50 Hz/3 ph  
NAMEPLATE POWER 90 kW

**23HA-1A**  
SERVICE TURBINE ENCLOSURE HEATER  
DESIGN DUTY 4 kW  
ELECTRIC SUPPLY 400 V / 50 Hz/3 ph

**A1**  
SERVICE SYNTHETIC OIL AIR COOLER  
DUTY 120 kW  
DESIGN PRES./TEMP 15 bar G / 175 °C  
MATERIALS OF CONSTR AISI 316L

**A2**  
SERVICE SYNTHETIC OIL MIST AIR COOLER  
DUTY 125 kW  
DESIGN PRES./TEMP 0.5 bar G / 200 °C  
MATERIALS OF CONSTR AISI 316L

**ELECTRICAL MOTORS (AC) SIGNALS**

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**EQUIPMENT TAG NUMBERS**

NP TAG n°	DESCRIPTION	CUSTOMER TAG n°
FNVF-1	GT ENCLOSURE VENTILATION FAN	X-7001A
FNVF-2	GT ENCLOSURE VENTILATION FAN	X-7001B
88BA-1	GT ENCLOSURE VENTILATION FAN MOTOR	B-7081A-01
88BA-2	GT ENCLOSURE VENTILATION FAN MOTOR	B-7081B-01
A1	SYNTHETIC OIL AIR COOLER MAIN	E-7066A
A2	SYNTHETIC OIL AIR COOLER STAND-BY	E-7066B
23HA-1A	GT ENCLOSURE AMBIENT HEATER	H-7003A

**FIRE & GAS TAG NUMBERS RULE**

e.g. GD-63XX06-01

Fire Zone 56 for X-7001A  
60 for X-7001B

**DOORS DETAIL #1**

- N°2 DOORS FOR ACCESS TO GT COMPARTMENT  
- N°2 DOORS FOR ACCESS TO COUPLING COMPARTMENT  
- N°1 DOOR FOR ACCESS TO HYDRAULIC STARTING COMPARTMENT

NOTE: OPENING ABOVE ACCESS DOORS WHILE TURBOUNIT IS IN OPERATION IS NOT ALLOWED SINCE IT CAUSE ENCLOSURE PRESSURE LOW INSIDE ACOUSTIC ENCLOSURE

**DOORS DETAIL #2**

- N°2 DOORS FOR ACCESS TO SYNTHETIC OIL CONSOLE AND GAUGE BOARD #1  
- N°1 DOOR FOR ACCESS TO GAUGE BOARD #4

NOTE: OPENING ABOVE ACCESS DOORS WHILE TURBOUNIT IS IN OPERATION IS ALLOWED SINCE IT DOES NOT CAUSE ENCLOSURE PRESSURE LOW INSIDE ACOUSTIC ENCLOSURE

**NOTES**

- TO BE LOCATED AS FAR AS POSSIBLE FROM SPS VENT PIPES AND ANY OTHER LOCAL HEAT REJECTION SOURCES
- SPRING CLOSED ACTUATED DAMPERS AIR PRESSURE TO SINGLE EFFECT PISTON OPEN THE DAMPER
- ES OCCURS IF ALARM IS ALREADY SWITCHED FOR MORE THAN 30 SEC ES IS BYPASSED FOR A LIMITED TIME (8 HOURS) IN CASE OF "ENCLOSURE ADMISSION PROCEDURE" ACTIVATED ES IS ALSO BYPASSED FOR 30 SEC IN CASE OF ACCESS DOOR OPEN AND IN CASE OF LOSS OF AC POWER SUPPLY
- DRILLED SAMPLE PIPE
- EXHAUST STACK PROVIDED BY WHRU SUPPLIER
- THE GB2 PANEL IS INSTALLED ON TURBINE ENCLOSURE SIDE (ACCESSIBLE DURING MACHINE RUNNING)
- THE GB1 PANEL IS LOCATED ON SYNTHETIC OIL CONSOLE
- NO THROTTLING OR ON/OFF DAMPERS (OTHER THAN EXISTING FIRE DAMPERS) ALLOWED ON VENTILATION INLET AND EXHAUST DUCTS
- IMPULSE LINE IS EQUIPPED WITH "LOCKED MANIFOLD" HAVING LOCKED OPEN VALVE ON MAIN PORT AND LOCKED CLOSED VALVE BLEED PORT
- SWITCH OVER DISABLED IF ACCESS DOOR IS OPEN AND IN CASE OF LOSS OF AC POWER SUPPLY
- NA
- SEE DETAIL ELECTRIC MOTOR (AC) SIGNALS
- EMERGENCY PUSH BUTTON SUPPLIED LOOSE
- PERSONNEL PROTECTION IS NOT NEEDED SINCE LINE IS NOT ACCESSIBLE TO THE OPERATOR DURING NORMAL RUNNING

**CONTROL LOOPS**

- TYPICAL FOR ENCLOSURE TEMPERATURE
- TYPICAL FOR LIMIT SWITCHES OF VENTILATION INLET FIRE DAMPERS - OPEN
- TYPICAL FOR LIMIT SWITCHES OF VENTILATION INLET FIRE DAMPERS - CLOSED
- TYPICAL FOR LIMIT SWITCHES OF VENTILATION OUTLET FIRE DAMPERS - CLOSED
- SYNTHETIC OIL TANK VENT TEMPERATURE
- TYPICAL FOR I/R GAS DETECTORS ON DUCT
- TYPICAL FOR I/R GAS DETECTORS ON ENCLOSURE

**Nexen Petroleum (U.K.) Limited**  
VENDOR : GE Nuova Pignone (AMEC FW)

EQUIPMENT TITLE : PIPING & INSTRUMENT DIAGRAMS

EQUIPMENT TAG NO(S) : X-7001A/B, X-5701A/B

Vendor Document Number

Purchase Order No	Doc Type	Seq. Sheet No	Rev.	DATE
168397 - 200 - PO - 3270 - MC2 - 001 - 16	Z1	26/10/16		

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Z1 26/10/16 AD-HOC AS-BUILT

REV	DATE	DESCRIPTION	DRN	CHK	APP	CLT

**GE Oil & Gas**

TITLE: VENTILATION P&ID DIAGRAM

REVISION DESCRIPTION: NO REVISION IS INTRODUCED IN THIS SHEET

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DOCUMENT CODE: SOM5081932

PAGE MARKER: N/A

ORIGINAL JOB: 1703636-37

SIZE: 1

SHEET: 16 of 21

REVISION: 11

SECURITY CODE: N

LANGUAGE: A

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