

TIMESHEET REPORT

+44 (0) 3300884720 Tele: +44 (0) 3300884721 Fax: info@orlandoaircon.co.uk

CUSTOMER NAME		SITE CONTACT (OPERAT	SHEET NUMBER		
SHANKLAND HVAC L	_TD	SITE ENGINE	ER -	HEMLOW	08496
SITE NAME & ADDRESS	5 (PLANT OWNER F-GAS)	ENGINEER	STEVE ORLANDO		CLIENT ASSET NUMBER
60 GRESHAM STREE	T, LONDON. EC2V 7BB	MATE	CHARLIE ORLANDO	01011	
REASON FOR VISIT	QUOTED REPAIRS	MANUFACTURER	YORK	MODEL	YCIV0920PA50VABB
JOB NUMBER	J/N:2502. O/N:PO00036	SERIAL No.	RBTM022090	YEAR INSTALLED	04/03/2008
PLANT LOCATION	5TH FLOOR HVAC PLANTROOM	REFIGERANT TYPE	R134A	TOTAL REF. CHARGE	194.0 KG
PLANT REFERENCE	YORK CHILLER (01011)	REFRIGERANT GWP	1430	IND. REF SYS. CHARGE	105 + 89 KG
LOADS SERVED	BASE BUILD COMFORT COOLING LOADS	EQUIV. TONNES CO2E	277.42	FGAS LEAK CHECK FREQ.	HALF YEARLY
		·			·

WORK CARRIED OUT:

ATTENDED SITE TO REPLACE YORK SCREW COMPRESSOR 2 MOTOR TERMINAL BOLTS. STRIPPED OUT SOUND ATTENUATION AND BRACKETING TO ALLOW FOR THE COMPRESSOR TO BE

MECHANICALLY HANDLED OUTSIDE THE CHILLER HOUSING. DISCONNECTED COMPRESSOR SERVICES. MOVED COMPRESSOR OUT TO GAIN ACCESS TO REAR MOTOR HOUSING COVER PLATE.

STRIPPED DOWN REAR HOUSING AND REMOVED 3 OFF MOTOR TERMINAL BOLTS, 2 HAD FAILED DUE TO OVER-HEATING. PARTIALLY REMOVED WINDING TO ACCESS TAILS. CUT BACK AND

CRIMPED NEW MOTOR TERMINAL BOLTS. CLEANED SEALING FACES AND RE-INSTALLED MOTOR TERMINAL BOLTS WITH NEW SEALS. RE-ASSEMBLED REAR COMPRESSOR HOUSING. PUT

COMPRESSOR BACK INTO CHILLER ENCLOSURE AND RECONNECTED SERVICES. CUT BACK BURNT WIRING IN TERMINAL BOX. DUE TO SUCH A LOT OF BURNT WIRING TO CUT AWAY I HAD TO

SWAP T1 & T3 WIRING BOTH AT THE MOTOR AND THE INVERTER END TO ALLOW RECONNECTION. REPLACED LIQUID LINE DRIERS.

PRESSURE TESTED OVER 2 DAYS ALL OK. STRIPPED OUT OIL LOG SOUND ATTENUATION FOAM AND BAGGED UP FOR DISPOSAL. CARRIED OUT FULL DEGREASING OF UNIT TO REMOVE

OIL RESIDUE THAT WAS EVERYWHERE. PUT SYSTEM ON EVACUATION OVER 2 DAYS. RETURNED TO FIND VACUUM AT 0.6 MBAR. CARRIED OUT VACUUM RISE TEST OVER 2 HOURS ALL OK.

CHARGED SYSTEM WITH VIRGIN REFRIGERANT FROM SITE STOCK.

TEST RUN CHILLER AT FULL LOAD, LOGGED. TRANSISTOR PACK TRIPPED ON SYS2 GATE DRIVER FAULT INTERMITTENTLY. INSPECTED AND TESTED OK. SUSPECT DRY JOINT ON PCB.

RECOMMEND SWAPPING INVERTER PACKS BETWEEN BOTH SYSTEMS AND SEE IF THE FAULT MOVES. IF IT DOES NEW INVERTER PACK REQUIRED.

LEFT SYSTEM 1 RUNNING & AVAILABLE.

ENGINEERS TIME ON SITE & TRAVEL									MATERIALS USED			
DAY	DATE	START	FINISH	TRAVEL	TOTAL	COMPLETE Y/N	MILEAGE	No. ENG	QUANTITY	DESCRIPTION		
MON	30/09/2019			3	12	N	90	1	1	YORK MOTOR KIT		
TUES	01/10/2019			3	12	N	90	1	4	OFN NITROGEN		
WED	02/10/2019			3	12	N	90	1	1	DEGREASING AGENT		
THUR									1	RAG CONSUMABLES		
FRI	04/10/2019			3	12	Y	90	1	1	ELECTRICAL CONSUMABLES		
SAT												
SUN												

CUSTOMER TO SIGN FOR ENGINEERS TIME ON SITE

CUSTOMERS SIGNATURE:

F-GAS QUALIFICATION:

ENGINEER SIGNATURE:

CUSTOMER NAME:

SITE ENGINEER

SIGNATURE DATE:	04/10/2019	CUSTOMERS JOB TITLE:	HEMLOW
ADDITIONAL WORKS RECOMMENDED / REQUIRED:			
* SYSTEM 2 - INVERTER PACK GATE DRIVER IS	SSUE.		
ISO9001:2008. CUSTOMER SATISFACTION:	1 = UNSA	TISFIED $2 =$ BELOW AVERAGE $3 =$ MET EXPECTATION $4 =$	= ABOVE AVERAGE 5 = EXCELLENT
CUSTOMER COMMENTS ABOUT PERFORMANCE ON THIS J	OB / CONTRACT:		



SYSTEM TEST CERTIFICATES

Address: 83 High Street, Hemel Hempstead, Hertfordshire, HP1 3AH. Tele: +44 (0) 3300884720 Fax: +44 (0) 3300884721 info@orlandoaircon.co.uk

	SITE CONTACT (OPERATOR RI	SHEET NUMBER			
LTD	SITE ENGINE	ER - HI	EMLOW	08496	
	ENGINEER	STEVE ORLANDO	CLIENT ASSET NUMBER		
ET, LONDON. EC2V 7BB	F-GAS QUALIFICATION	C&G 2079 PART 1	01011		
QUOTED REPAIRS	MANUFACTURER	YORK	MODEL	YCIV0920PA50VABB	
J/N:2502. O/N:PO00036	SERIAL No.	RBTM022090 YEAR INSTALLED		04/03/2008	
PLANT LOCATION 5TH FLOOR HVAC PLANTROOM		R134A	194.0 KG		
YORK CHILLER (01011)	CLG LOAD SERVED	BASE BUILD COMFORT COOLING LOADS			
	5TH FLOOR HVAC PLANTROOM	LTD SITE ENGINE SITE ENGINE ENGINEER F-GAS QUALIFICATION QUOTED REPAIRS MANUFACTURER JN:2502. O/N:PO00036 STH FLOOR HVAC PLANTROOM A	ENGINEER STEVE ORLANDO ET, LONDON. EC2V 7BB F-GAS QUALIFICATION C&G 2079 PART 1 QUOTED REPAIRS MANUFACTURER YORK J/N:2502. O/N:PO00036 SERIAL No. RBTM022090 5TH FLOOR HVAC PLANTROOM REFRIGERANT TYPE R134A	LTD SITE ENGINER - HEMLOW ENGINER STEVE ORLANDO ENGINER STEVE ORLANDO LONDON. EC2V 7BB F-GAS QUALIFICATION C&G 2079 PART 1 - QUOTED REPAIRS MANUFACTURER YORK MODEL J/N:2502. O/N: PO00036 SERIAL No. RBTM022090 YEAR INSTALLED TH FLOOR HVAC PLANTROOM REFRIGERANT TYPE R134A QUANTITY (KG)	

STRENGTH TEST CERTIFICATE

START OF STRENGTH TEST

DATE	TIME		MOP	
DAIL		TRESSORE		

THE ABOVE SYSTEM / COMPONENT HAD A WITNESSED OFN NITROGEN STRENGTH TEST APPLIED AT 1.5 TIMES MOP (MAXIMUM OPERATING PRESSURE), MAINTAINED FOR 30 SECONDS.

INSTRUMENT USED: ITE HIGH SIDE GAUGE. CALIBRATED: 16/01/2019.

INSTRUMENT SERIAL: ORAC-147. CERTIFICATE No. CM254079. NEXT DUE 16/01/2020.

Mon

ENGINEERS SIGNATURE

CUSTOMERS SIGNATURE

F-GAS QUALIFICATION	C&G 2079 PART 1	PRINT NAME	SITE ENGINEER	
SIGNATURE DATE	04/10/2019	CUSTOMERS JOB TITLE	HEMLOW	

	<u>PRESSURE</u>	TEST	<u>CERTIF</u>	<u>ICATE</u>
--	-----------------	------	---------------	--------------

ST	ART OF PRESS	SURE TEST							
	DATE	30/09/2019	TIME	16:00	PRESSURE	10.2 BarG	AMBIENT	22.9 Deg C	
EN	D OF PRESSU	RE TEST							
	DATE	02/10/2019	TIME	15:00	PRESSURE	10.1 BarG	AMBIENT	20.5 Deg C	
TE	MPERATURE C	COMPENSATED NITR	OGEN PRESSURE	FIGURE					
CA	_CULATED CORRE	CTED END PRESSURE US	ING START PRESSURE	E AND START AMBIENT	TEMPERATURE RELATIVE	WITH FINISH AMBIEN	IT TEMP.	10.1 BarG	
THE A	BOVE SYST	EM HAD A WIT	NESSED OF	N NITROGEN F	PRESSURE TEST	APPLIED, W	HICH WAS MA	INTAINED FOR THE F	PERIOD STATED
			ABO	VE AND HAS	BEEN PROVED	FO REMAIN LI	EAK TIGHT		
			INST	RUMENT USED: CPS	PROSET HIGH SIDE G	AUGE. CALIBRATED	9: 17/01/2019.		
			INSTRUM	ENT SERIAL: ORAC-	045. CERTIFICATE No	. CM254088. NEXT	Γ DUE 17/01/2020.		
	ENGI	NEERS SIGNATURE		Sallon.	CUSTOMERS	S SIGNATURE			
	F-G	AS QUALIFICATION	C&G 20	79 PART 1		PRINT NAME		SITE ENGINEER	
		SIGNATURE DATE	04/1	0/2019	CUSTOME	RS JOB TITLE		HEMLOW	

VACUUM TEST CERTIFICATE

START OF VACUUM TEST

	DATE	04/10/2019	TIME	08:30		VACUUM	0.6 mBar	
END	OF VACUUM T	EST						
	DATE	04/10/2019	TIME	11:00		VACUUM	0.8 mBar	
THE AE	BOVE SYST	EM HAD A WITNE		ULLED DOWN TO FHAN A 1.0 mBai			OR A PERIOD OF 2	2 HOURS WITHOUT
			INSTRUME	ENT USED: TESTO. 29067	782 CALIBRATED: 08	3/01/2019.		
			INSTRUMENT SERIAL	: ORAC-169. CERTIFICA	TE No. 22733149. N	EXT DUE 08/01/2020.		
	ENGINE	ERS SIGNATURE	All Shall	CUSTO	OMERS SIGNATURE			
	F-GAS	QUALIFICATION	C&G 2079 PART 1		PRINT NAME		SITE ENGINEER	
	S	IGNATURE DATE	04/10/2019	CUS	TOMERS JOB TITLE		HEMLOW	



Address: 83 High Street, Hemel Hempstead, Hertfordshire, HP1 3AH.

Tele: +44 (0) 3300884720 Fax: +44 (0) 3300884721 info@orlandoaircon.co.uk

F-GAS & BOTTLE LOG

CUSTOMER NAME								SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE) SHEET NUMBER				
SHANKLAND HVAC LTD								SITE ENGINEER - HEMLOW 084				
SITE NAME & ADDRESS (PLANT OWNER F-GAS)								ENGINEER STEVE ORLANDO CLIENT ASSET NUMBER			CLIENT ASSET NUMBER	
60 GRESHAM STREET, LONDON. EC2V 7BB								QUALIFICATION C&G 2079 PART 1 0101				
MANUFACTURER	ACTURER MODEL SERIAL DATE INSTALLED			STALLED	PLANT REFERENCE							
YORK		YCIV0920F	PA50VABB	RBTM022090	ł	04/03/	2008	YORK CHILLER (01011)				
REFRIG TYPE	TOT. REFRIG	CHRG.	INDIVIDUAL SYS. REF.	CHARGE	REFRIG GW	VP	EQUIV. TONNES CO2e	F-GAS LEAK CHECK FREQ.	CLG LOAD SERVED			
R134A	194.0 KG		105 + 89 KG		1430		277.42	HALF YEARLY	BASE BUILD COMFORT	COOLING LOADS		

VIRGIN REFRIGERANT BOTTLE LOG (KG)

DATE RECEIVED	DELIVERY NOTE NUMBER	BOTTLE NUMBER	SUPPLIER	REFRIGERANT	BOTTLE TYPE	GROSS WEIGHT	TARE WEIGHT	NET WEIGHT	NET USED	DATE RETURNED	RETURNS NOTE NUMBER
30/08/2019	HEMLOW STOCK	AM084644	WOLSELEY	R134A	DUMPY	22.1	9.1	13.0			
30/08/2019	HEMLOW STOCK	AG048523	WOLSELEY	R134A	DUMPY	22.0	9.0	13.0			
30/08/2019	HEMLOW STOCK	AM066144	WOLSELEY	R134A	DUMPY	22.1	9.1	13.0			
30/08/2019	HEMLOW STOCK	AG041052	WOLSELEY	R134A	DUMPY	22.0	9.0	13.0			
30/08/2019	HEMLOW STOCK	AM063777	WOLSELEY	R134A	DUMPY	22.0	9.0	13.0			
30/08/2019	HEMLOW STOCK	AM065985	WOLSELEY	R134A	DUMPY	22.1	9.1	13.0			
30/08/2019	HEMLOW STOCK	AM061834	WOLSELEY	R134A	DUMPY	22.0	9.0	13.0			

RECOVERY BOTTLE LOG (KG)

DATE RECEIVED	DELIVERY NOTE NUMBER	BOTTLE NUMBER	SUPPLIER	REFRIGERANT	RECOVERY TYPE	TARE WEIGHT	RECOVERED NET	RECOVERED USED	GROSS WEIGHT	DATE RETURNED	WASTE TRANSFER NOTE
	I		1								

F-GAS REFRIGERATION LOG RECORD

REFRIGERANT ADDITIONS

DATE	ENGINEER	AMOUNT ADDED (KG)	REASON FOR ADDITION
04/10/2019	STEVE ORLANDO	91.0 KG	SYS2 - CHARGE SYSTEM WITH VIRGIN STOCK AFTER MOTOR TERMINAL BOLT REPAIRS

REFRIGERANT REMOVALS

DATE	ENGINEER	AMOUNT REMOVED (KG)	REASON FOR REMOVAL

DATE	ENGINEER	TEST RESULT	FOLLOW UP ACTIONS REQUIRED
04/10/2019	STEVE ORLANDO	PASS	SYS2 - CARRIED OUT FULL PRESSURE AND VACUUM RISE TEST
04/10/2019	STEVE ORLANDO	PASS	SYS2 - CARRIED OUT ELECTRONIC REFRIGERANT LEAK TEST TO SYSTEM UPON COMPLETION

FOLLOW UP ACTIONS

DATE	ENGINEER	RELATED TO TEST ON	ACTIONS TAKEN

TESTING AUTOMATIC LEAK DETECTION SYSTEM (IF FITTED)

DATE	ENGINEER	TEST RESULT	COMMENTS



LOG - SITE DATA CAPTURE

Address: 83 High Street, Hemel Hempstead, Hertfordshire, HP1 3AH.

+44 (0) 3300884720 Tele: +44 (0) 3300884721 Fax: info@orlandoaircon.co.uk

CUSTOMER NAME		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)			
SHANKLAND HVAC LTD		SITE ENGINEER - HEMLOW			08496
SITE NAME & ADDRESS		NGINEER STEVE ORLANDO		CLIENT ASSET NUMBER	
60 GRESHAM STREET, LONDON. EC2V 7BB		F-GAS QUALIFICATION C&G 2079 PART 1			01011
QUOTED REPAIRS	MANUFACTURER	YORK	MODEL	YCIV0920PA50VABB	
J/N:2502. O/N:PO00036	SERIAL No.	RBTM022090	YEAR INSTALLED	04/03/2008	
PLANT LOCATION 5TH FLOOR HVAC PLANTROOM		TYPE R134A QUANTITY (KG)		194.0 KG	
NT REFERENCE YORK CHILLER (01011) CLG LOAD SERVED BASE BUILD COMFORT COOLING LOADS					
	C LTD ESS EET, LONDON. EC2V 7BB QUOTED REPAIRS J/N:2502. O/N:PO00036 5TH FLOOR HVAC PLANTROOM	C LTDSITE ENGINESSENGINEEREET, LONDON. EC2V 7BBF-GAS QUALIFICATIOQUOTED REPAIRSMANUFACTURERJ/N:2502. O/N:PO00036SERIAL No.5TH FLOOR HVAC PLANTROOMREFRIGERANT TYPE	C LTDSITE ENGINERHESSENGINERSTEVE ORLANDOEET, LONDON. EC2V 7BBF-GAS QUALIFICATIONC&G 2079 PART 1QUOTED REPAIRSMANUFACTURERYORKJ/N:2502. O/N:PO00036SERIAL No.RBTM0220905TH FLOOR HVAC PLANTROOMREFRIGERANT TYPER134A	CLTD SITE ENGINER HEMLOW ESS ENGINER STEVE ORLANDO ECT, LONDON. EC2V 7BB F-GAS QUALIFICATION C&G 2079 PART 1 QUOTED REPAIRS MANUFACTURER YORK MODEL J/N:2502. O/N:PO0036 SERIAL No. RBTM022090 YEAR INSTALLED STH FLOOR HVAC PLANTROOM REFRIGERANT TYPE R134A QUANTITY (KG)	CLTD STEE ENGINE HEMO SS ENGINER STEVE ORLANDO ECT, LONDON. EC2V 7BB FGAS QUALIFICATION CG 2079 PART 1 QUOTED REPAIRS MANUFACTURER VORK MODEL VI/10920PA50VABB JN:2502. O/N: PO0036 SERIA No. REFRIGENANTYPE VIATORIANTY VIATORIANTY STEF FOR HVAC PLANTROOM REFRIGENANTYPE R134A VIATORIANTY VIATORIANTY

CONTROLLER LOG CAPTURE

File Edit Format View Help YORK INTERNATIONAL CORPORATION LATITUDE SCREW CHILLER

> OPERATING DATA 02:13:19 PM 04 OCT 2019

SYS 1 COMPRESSOR RUNNING SYS 2 COMPRESSOR RUNNING

OPTIONS

SYSTEM 1 DATA	
COMPRESSOR STATUS	ON
RUN TIME 0-0-8-4	4 D-H-M-S
MOTOR CURRENT 242 AMPS	73 %FLA
SUCTION PRESSURE	2.69 BARG
DISCHARGE PRESSURE	11.5 BARG
OIL PRESSURE	10.7 BARG
SUCTION TEMPERATURE	14.1 DEGC
DISCHARGE TEMPERATURE	55.7 DEGC
OIL TEMPERATURE	40.1 DEGC
SAT SUCTION TEMP	6.7 DEGC
SUCTION SUPERHEAT	7.4 DEGC
SAT DISCHARGE TEMP	48.2 DEGC
DISCHARGE SUPERHEAT	7.5 DEGC
MOTOR TMP 61.3 62.3 4	42.9 DEGC
COMPRESSOR LOAD	68.1 %
ECONOMIZER	ON
FLASH TANK LEVEL	14.8 %
FEED VALVE % OPEN	47.0 %
DRAIN VALVE % OPEN	56.8 %
CONDENSER FANS ON	6
COMPRESSOR HEATER	OFF
RUN PERMISSIVE	ON
VSD RUN RELAY	ON
VSD SOFTWARE RUN SIGNAL	ON

CHILLED LIQUID	WATER
LOCAL/REMOTE MODE	REMOTE
LEAD/LAG CONTROL	AUTOMATIC
LOW AMBIENT CUTOUT	DISABLED

PROGRAM VALUES

SUCT PRESS CUTOUT	1.65 BARG
LOW AMBIENT CUTOUT	-17.8 DEGC
LEAVING LIQUID CUTOUT	2.2 DEGC
MOTOR CURRENT LIMIT	100 %FLA
PULLDOWN CURRENT LIMIT	50 %FLA
PULLDOWN LIMIT TIME	0 MIN
SUCTION SUPERHEAT SETP	5.5 DEGC
UNIT ID NUMBER	0

UNIT DATA

UNIT DATA		STSTER 2 BRIT	
		COMPRESSOR STATUS	ON
RETURN LIQUID TEMP	15.0 DEGC	RUN TIME 0-0-5-1	.6 D-H-M-S
COOLING RANGE 6.0 +/	- 1.4 DEGC	MOTOR CURRENT 222 AMPS	71 %FLA
REMOTE SETPOINT	XX.X DEGC	SUCTION PRESSURE	2.67 BARG
AMBIENT AIR TEMP	21.3 DEGC	DISCHARGE PRESSURE	11.3 BARG
LEAD SYSTEM	SYS 1	OIL PRESSURE	10.7 BARG
FLOW SWITCH	ON	SUCTION TEMPERATURE	14.3 DEGC
EVAPORATOR PUMP RUN	ON	DISCHARGE TEMPERATURE	53.3 DEGC
EVAPORATOR HEATER	OFF	OIL TEMPERATURE	41.6 DEGC
ACTIVE REMOTE CONTROL	NONE	SAT SUCTION TEMP	6.6 DEGC
OPERATING HOURS 1=2569	6, 2=32286	SUCTION SUPERHEAT	7.8 DEGC
START COUNTER 1=6566	4, 2=27807	SAT DISCHARGE TEMP	47.6 DEGC
SOFTWARE VERSION C	.A09.15.03	DISCHARGE SUPERHEAT	5.7 DEGC
UNIT SERIAL NUMBER R	BTM 022090	MOTOR TMP 58.2 55.6	43.0 DEGC
		COMPRESSOR LOAD	68.1 %
VSD DATA		ECONOMIZER	ON
ACTUAL FREQUENCY	136.3 HZ	FLASH TANK LEVEL	0.0 %
COMMAND FREQUENCY	137.0 HZ	FEED VALVE % OPEN	51.6 %
DC BUS VOLTAGE	549 VDC	DRAIN VALVE % OPEN	49.4 %
INTERNAL AMBIENT TEMP	32.4 DEGC	CONDENSER FANS ON	6
COOLING SYSTEM STATUS	ON	COMPRESSOR HEATER	OFF
BASEPLATE TEMP 59.4,	60.6 DEGC	RUN PERMISSIVE	ON
PRECHARGE SIGNAL	ON	VSD RUN RELAY	ON
MOTOR OVERLOADS 1/2 34	4 328 AMPS	VSD SOFTWARE RUN SIGNAL	. ON
VSD SOFTWARE VERSION C	.VSD.89.00		

SYSTEM 2 DATA

LEAVING LIQUID TEMP	9.5 DEGC	COMPRESSOR STATUS ON
RETURN LIQUID TEMP	15.0 DEGC	RUN TIME 0- 0- 5-16 D-H-M-S
COOLING RANGE 6.0 +	/- 1.4 DEGC	MOTOR CURRENT 222 AMPS 71 %FLA
REMOTE SETPOINT	XX.X DEGC	SUCTION PRESSURE 2.67 BARG
AMBIENT AIR TEMP	21.3 DEGC	DISCHARGE PRESSURE 11.3 BARG
LEAD SYSTEM	SYS 1	OIL PRESSURE 10.7 BARG
FLOW SWITCH	ON	SUCTION TEMPERATURE 14.3 DEGC
EVAPORATOR PUMP RUN	ON	DISCHARGE TEMPERATURE 53.3 DEGC
EVAPORATOR HEATER	OFF	OIL TEMPERATURE 41.6 DEGC
ACTIVE REMOTE CONTROL	NONE	SAT SUCTION TEMP 6.6 DEGC
OPERATING HOURS 1=256	96, 2=32286	SUCTION SUPERHEAT 7.8 DEGC
START COUNTER 1=656	64, 2=27807	SAT DISCHARGE TEMP 47.6 DEGC
SOFTWARE VERSION	C.A09.15.03	DISCHARGE SUPERHEAT 5.7 DEGC
UNIT SERIAL NUMBER	RBTM 022090	MOTOR TMP 58.2 55.6 43.0 DEGC
		COMPRESSOR LOAD 68.1 %
VSD DATA		ECONOMIZER ON
ACTUAL FREQUENCY	136.3 HZ	FLASH TANK LEVEL 0.0 %
COMMAND FREQUENCY	137.0 HZ	FEED VALVE % OPEN 51.6 %
DC BUS VOLTAGE	549 VDC	DRAIN VALVE % OPEN 49.4 %
INTERNAL AMBIENT TEMP	32.4 DEGC	CONDENSER FANS ON 6
COOLING SYSTEM STATUS	ON	COMPRESSOR HEATER OFF
BASEPLATE TEMP 59.4,	60.6 DEGC	RUN PERMISSIVE ON
PRECHARGE SIGNAL	ON	VSD RUN RELAY ON
MOTOR OVERLOADS 1/2 3	44 328 AMPS	VSD SOFTWARE RUN SIGNAL ON
VSD SOFTWARE VERSION	C.VSD.89.00	



LOG - SITE DATA CAPTURE

Address: 83 High Street, Hemel Hempstead, Hertfordshire, HP1 3AH.

Tele: +44 (0) 3300884720 Fax: +44 (0) 3300884721 info@orlandoaircon.co.uk

CUSTOMER NAME		SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)			SHEET NUMBER	
SHANKLAND HVAC LTD		SITE ENGINEER - HEMLOW			08496	
SITE NAME & ADDRESS		ENGINEER STEVE ORLANDO		CLIENT ASSET NUMBER		
60 GRESHAM STREET, LONDON. EC2V 7BB		F-GAS QUALIFICATION C&G 2079 PART 1				01011
REASON FOR VISIT	QUOTED REPAIRS	MANUFACTURER	YORK	MODEL	YCIV0920PA50VABB	
JOB NUMBER	J/N:2502. O/N:PO00036	SERIAL No.	RBTM022090	YEAR INSTALLED	04/03/2008	
PLANT LOCATION 5TH FLOOR HVAC PLANTROOM		REFRIGERANT TYPE R134A QUANTITY (KG)		194.0 KG		
PLANT REFERENCE	YORK CHILLER (01011) CLG LOAD SERVED BASE BUILD COMFORT COOLING LOADS					

CONTROLLER LOG CAPTURE

YORK INTERNATIONAL CORPORATION LATITUDE SCREW CHILLER

HISTORY NUMBER 1 03:14:49 PM 04 OCT 2019	SYSTEM 1 DATA COMPRESSOR STATUS ON RUN TIME 0-0-9-34 D-H-M-S
SYS 2 LOCKOUT: GATE DRIVER	MOTOR CURRENT 262 AMPS 79 %FLA SUCTION PRESSURE 2.55 BARG DISCHARGE PRESSURE 13.2 BARG
STATUS AT TIME OF SHUTDOWN SYS 1 COMPRESSOR RUNNING SYS 2 COMPRESSOR RUNNING	OIL PRESSURE 12.3 BARG SUCTION TEMPERATURE 10.4 DEGC DISCHARGE TEMPERATURE 60.9 DEGC OIL TEMPERATURE 44.2 DEGC
ALL FAULTS	SAT SUCTION TEMP 5.6 DEGC SUCTION SUPERHEAT 4.9 DEGC

NO FAULTS		SUCTION SUPERHEAT	4.9 DEGC
		SAT DISCHARGE TEMP	53.2 DEGC
OPTIONS		DISCHARGE SUPERHEAT	7.7 DEGC
	WATER	MOTOR TMP 60.0 59.7	36.4 DEGC
LOCAL/REMOTE MODE		COMPRESSOR LOAD	82.0 %
LEAD/LAG CONTROL		ECONOMIZER	ON
LOW AMBIENT CUTOUT		FLASH TANK LEVEL	15.6 %
		FEED VALVE % OPEN	48.2 %
PROGRAM VALUES	s	DRAIN VALVE % OPEN	58.6 %
SUCT PRESS CUTOUT		CONDENSER FANS ON	6
LOW AMBIENT CUTOUT		COMPRESSOR HEATER	OFF
LEAVING LIQUID CUTOUT		RUN PERMISSIVE	ON
MOTOR CURRENT LIMIT		VSD RUN RELAY	ON
PULLDOWN CURRENT LIMIT		VSD SOFTWARE RUN SIGNAL	L ON
PULLDOWN LIMIT TIME			
SUCTION SUPERHEAT SETP		SYSTEM 2 DATA	
UNIT ID NUMBER	0	COMPRESSOR STATUS	ON
	_	RUN TIME 0-0-6-4	16 D-H-M-S
UNIT DATA		MOTOR CURRENT 233 AMPS	
LEAVING LIQUID TEMP	7.8 DEGC	SUCTION PRESSURE	2.58 BARG
RETURN LIQUID TEMP	13.7 DEGC	DISCHARGE PRESSURE	12.9 BAKG
COOLING RANGE 6.0 +/-		OIL PRESSURE	
REMOTE SETPOINT		SUCTION TEMPERATURE	
AMBIENT AIR TEMP		DISCHARGE TEMPERATURE	
LEAD SYSTEM		OIL TEMPERATURE	
FLOW SWITCH		SAT SUCTION TEMP	
EVAPORATOR PUMP RUN	ON	SUCTION SUPERHEAT	
EVAPORATOR HEATER		SAT DISCHARGE TEMP	
ACTIVE REMOTE CONTROL		DISCHARGE SUPERHEAT	
OPERATING HOURS 1=25690	6, 2=32286	MOTOR TMP 58.0 53.9	
START COUNTER 1=65664	-	COMPRESSOR LOAD	
SOFTWARE VERSION C.	•	ECONOMIZER	
UNIT SERIAL NUMBER RE	BTM 022090	FLASH TANK LEVEL	
		FEED VALVE % OPEN	
VSD DATA		DRAIN VALVE % OPEN	
ACTUAL FREQUENCY	164.1 HZ	CONDENSER FANS ON	
-		COMPRESSOR HEATER	OFF

COMMAND FREQUENCY	164.4 HZ
DC BUS VOLTAGE	540 VDC
INTERNAL AMBIENT TEMP	33.9 DEGC
COOLING SYSTEM STATUS	ON
BASEPLATE TEMP 65.0,	64.4 DEGC
PRECHARGE SIGNAL	ON
MOTOR OVERLOADS 1/2 34	4 328 AMPS
VSD SOFTWARE VERSION C	.VSD.89.00

CONFRESSOR HEATER	
RUN PERMISSIVE	ON
VSD RUN RELAY	ON
VSD SOFTWARE RUN SIGNAL	ON



LOG - SITE PICTURES

Address: 83 High Street, Hemel Hempstead, Hertfordshire, HP1 3AH.

Tele: +44 (0) 3300884720 Fax: +44 (0) 3300884721 info@orlandoaircon.co.uk

SITE CONTACT (OPERATOR RESPONSIBLE FOR F-GAS COMPLIANCE)			SHEET NUMBER	
SITE ENGINE	EER - HEMLOW			08496
ENGINEER	STEVE ORLANDO		CLIENT ASSET NUMBER	
F-GAS QUALIFICATION	C&G 2079 PART 1			01011
MANUFACTURER	YORK	MODEL	YCIV0920PA50VABB	
SERIAL No.	RBTM022090	YEAR INSTALLED	04/03/2008	
REFRIGERANT TYPE	R134A	QUANTITY (KG)	194.0 KG	
CLG LOAD SERVED	BASE BUILD COMFORT COOLING I	LOADS	·	
	SITE ENGINE ENGINEER F-GAS QUALIFICATION MANUFACTURER SERIAL No. REFRIGERANT TYPE	SITE ENGINEERENGINEERSTEVE ORLANDOF-GAS QUALIFICATIONC&G 2079 PART 1MANUFACTURERYORKSERIAL No.RBTM022090REFRIGERANT TYPER134A	SITE ENGINER-HEMLOWENGINEERSTEVE ORLANDOF-GAS QUALIFICATIONC&G 2079 PART 1MANUFACTURERYORKMANUFACTURERYORKSERIAL No.RBTM022090REFRIGERANT TYPER134AQUANTITY (KG)	SITE ENGINERHEMLOWENGINERSTEVE ORLANDOClient ASSET NUMBERF-GAS QUALIFICATIONC&G 2079 PART 1Client ASSET NUMBERMANUFACTURERYORKMODELYCIV0920PA50VABBSERIAL No.RBTM022090YEAR INSTALLED04/03/2008REFRIGERANT TYPER134AQUANTITY (KG)194.0 KG

SITE PICTURE LOG

