

GAS FIRED BOILER SCHEDULE						
SCHEDULE REF	SCH	2601200	T10	BB	01-04	
PROJECT	UCL - IoN/DRI			No. 2601200		
SYSTEM	LTHW		UNIT REF	BB 01-04		
GENERAL	MOUNTING TYPE - WALL / FLOOR LOCATION QUANTITY DIMENSIONS (D x W x H) TYPE HEAT EXCHANGER MATERIAL / TYPE FLUID FUEL CASING INSULATION			Floor RMB2.008 B2 Plantroom 4 1424x680x2084 mm EACH Condensing Stainless Steel Water Natural Gas		
DUTY	LOAD SPECIFIC HEAT FLUID TEMP FLOW (OUTLET) FLUID TEMP RETURN (INLET) FLUID FLOW RATE MINIMUM EFFICIENCY AT RATED LOAD (see note 5) MINIMUM EFFICIENCY AT PARTIAL LOAD (30% LOAD) MINIMUM HEAT GENERATOR SEASONAL EFFICIENCY			783 kW EACH 4.18 kJ/kg K 70 °C 50 °C 9.000 kg/s 98.00 % 109.20 % 95.00 % Critical to Part L compliance		
FUEL	GAS RATE MINIMUM GAS PRESSURE AT INLET TO GAS TRAIN			83.7 m ³ /h EACH 17 mbar		
PRESSURE	FLUID WORKING FLUID TEST			3.0 bar (gauge) 7.0 bar (gauge)		
CONNECTIONS	LTHW PIPE CONNECTION LTHW PRESSURE DROP GAS INLET FLUE OUTLET SIZE NOMINAL I.D.			100 mm 11.3 kPa 100 mm 250 mm		
MOUNTINGS	SAFETY VALVE SIZE SAFETY VALVE LIFT PRESSURE ALTITUDE GAUGE AND COCK TEMPERATURE GAUGE FLOW TEMPERATURE GAUGE RETURN DRAIN COCK			TBC mm TBC bar (gauge) Yes Yes Yes Yes		
GAS CONTROLS	PILOT LINE GOVERNOR PILOT CLASS 1 VALVE MAIN LINE GOVERNOR MAIN CLASS 1 VALVE			Yes Yes Yes Yes		
BURNER & EMISSIONS	TYPE OUTPUT CONTROL MAX NOISE OUTPUT NO _x OUTPUT CO OUTPUT			Modulating 65 dB(A), SWL 38.8 mg/kWh, 0% CO ₂ , dry mg/kWh		
CONTROLS/ INDICATION	BURNER ON HIGH TEMPERATURE LIMIT LOCKOUT FLOW TEMPERATURE ELECTRO. SPARK IGNITION FLAME RECTIFICATION			Yes Yes Yes Yes Yes Yes		
ACCESSORIES	DRAUGHT DIVERTER DRAUGHT STABILISER ACOUSTIC SHROUD			Yes Yes No		
NOTES						
1. TEST CERTIFICATES TO BE PROVIDED						
2. NAMEPLATES TO SHOW TEST AND WORKING PRESSURES						
3. BOILER TO COMPLY WITH HSE INDG 436 AND PRESSURE SYSTEMS SAFETY REGULATIONS						
4. WIRING TO COMPLY WITH BS 7671						
5. CALCULATED AS A PERCENTAGE OF THE GROSS CALORIFIC INPUT						
6. DESIGN SELECTION IS BASED UPON - Hamworthy (ALTERNATIVES MUST BE EQUAL & ACCEPTED)						
7. BOILERS TO COME COMPLETE WITH MANUFACTURER'S FLOW CONTROL VALVE ON RETURN TO BOILER.						
INSTALLER TO CHECK SELECTION DUTIES STATED TO ENSURE THEY ARE STILL VALID FOR THE ACTUAL INSTALLED COMPONENTS & LAYOUT						
ISSUE/REVISION	P01	P02	P03	P04		
DATE	05/07/2019	09/10/2019	24/01/2020	31/01/2020		
PREPARED BY	PS	PS	PS	SD		
REVIEWED BY	TS	TS	TS	TS		
AUTHORISED BY						