

DESCRIPTION		SPECIFICATION
		500kW
GENERAL	HEIGHT	2600 mm
	WIDTH	2409 mm
	LENGTH	4400 mm
	WEIGHT (EMPTY)	7000 kg
	WEIGHT (OPERATIONAL)	7487 kg
	NOMINAL WORKING PRESSURE	2 bar
	MAXIMUM WORKING PRESSURE	2.5 bar
	SAFETY RELIEF PRESSURE	4 bar
	IP RATING	IP 44
BOILER	BOILER	FERROLI GN4 -12N
	NOMINAL HEAT OUTPUT	480 kW
	BURNER	RIELLO RS50 HIGH/LOW
	FUEL CONSUMPTION	53.2 l/h
	RUNNING HOURS 959 LITRE FUEL TANK	18 Hours
	RUNNING HOURS 3000 LITRE FUEL TANK	56 Hours
CONNECTIONS	HEATING FLOW	3" STORZ
	HEATING RETURN	3" STORZ
	HOTWATER FLOW	3" STORZ
	HOTWATER RETURN	3" STORZ
	MAINS WATER IN	3" STORZ
	OIL INLET CONNECTION	3" STORZ
CONTROL SYSTEMS	TIME CLOCK	YES
	FROST STAT	YES
	FIRE SHUT OFF SYSTEM	FUSIBLE VALVE
ELECTRICAL DATA	ELECTRICAL SUPPLY	415V - 3PH - 50Hz
	MAX. START UP CURRENT	45A/PHASE
	MAX. RUNNING CURRENT	15A/PHASE
	FUSE SIZE	16A
	IP RATING	IP 45
	PLUG TYPE	16AMP 3P+N+E
	POWER CONSUMPTION	5950 WATTS/HOUR
PRIMARY SYSTEM	PRESSURE VESSEL	140 LTR
	PRIMARY PUMP HOTWATER	UPS 65 - 180F
	PRIMARY PUMP HEATING WATER	UPS 65 - 180F
	SHUNT PUMP	UPS 40 - 120F
	FLOW RATE HOT WATER & HEATING	10.8l/s (38880l/h)
	FLOW RATE SHUNT PUMP	4.8l/s (17280l/h)
	DIVERTER VALVES	3" BSP FLANGED
	PRESSURE RELIEF VALVE	3bar WITH GAUGE
HOT WATER SYSTEM	HEAT EXCHANGER	FLAT PLATE GASKETED
	HOT WATER PUMP	UPS 40 - 80F

	FLOW RATE	2.2 l/s (7920 l/h)	
	SYSTEM TEMPERATURE RISE	55 °C	
HEATING SYSTEM	HEAT EXCHANGER	FLAT PLATE GASKETED	
	HEATING PUMP	UPS 65 - 180F	
	FLOW RATE	10.8l/s (38880l/h)	
	SYSTEM TEMPERATURE	85°C	
	PRESSURE VESSEL	600 LITRE	
	LOW PRESSURE SWITCH	0.2 - 4 bar	
	PRESSURE RELIEF VALVE	4 bar WITH GAUGE	
	WATER FILTER	4" BSP 'Y' STRAINER	
ENVIRONMENTAL DATA	FLUE DIAMETER	255 mm	
	MAXIMUM FLUE HEIGHT	4000 mm	
	MINIMUM FLUE HEIGHT	2000 mm	
	COMBUSTION DETAILS	HIGH FIRE	LOW FIRE
	FLUE GAS TEMPERATURE	136 °C	101 °C
	CO2	12.40%	12.70%
	O2	4.20%	3.70%
	CO	17 ppm	12 ppm
	NET EFFICIENCY	93.80%	95.50%
	NOISE LEVEL AT 3m BURNER 'OFF'	45 dbA	
	NOISE LEVEL AT 3m BURNER 'ON'	64 dbA	
CONSTRUCTION	FRAME	WELDED STEEL	
	STACKABLE	YES	
	FINISH	PAINTED	
	PANELS - INNER	0.7 mm GALVANISED	
	PANELS - OUTER	1.2 mm POWDER COATED	
	PANELS - INSULATION	25 mm POLYURETHANE	
	LIFTING - FORK LIFT CHANNELS	ALL SIDES	
	LIFTING - HOISTS	EACH CORNER	