



**PART LIST**

ITEM NO.	PART NAME	Q'ty	SIZE	MATERIAL
16	LUG	2	6T	SS275
15	SPRING WASHER	24	M12	HSWR3
14	BOLT	24	M12x55L	SCM435
13	BRACKET	2	4.5T	SS275
12	WATER DRAIN SOCKET	1	PT 1/2"	SPPS
11	OIL DRAIN SOCKET	1	PT 3/4"	SPPS
10	OIL VENT SOCKET	1	PT 3/4"	SPPS
9	C/W OUTLET	1	40A / 10K. FF	SPPS/SS275
8	C/W INLET	1	40A / 10K. FF	SPPS/SS275
7	OIL OUTLET	1	32A / 10K. FF	SPPS/SS275
6	OIL INLET	1	32A / 10K. FF	SPPS/SS275
5	SIDE COVER	2	Ø275x40T	SS275
4	GASKET	2	1.5T (Non-Asbestos)	7300
3	SHELL FLANGE	2	Ø275x20T	SS275
2	TUBE	178	Ø9.52x1652L	C1220T
1	SHELL	1	200A	SPP

**DATA SPECIFICATION**

No.	ITEM	DESCRIPTION	UNIT
1	Heat Dissipation	19,050	Kcal/h
2	Heat Transfer Area	9.15	M <sup>2</sup>
3	Fluid	OIL WATER	
4	Flow Rate	31 315	L/min
5	Max. Working Pressure	15 10	bar
6	Test Pressure	20 20	bar
7	Temperature	Working (IN/OUT) 63/37.7 35/36	°C
		Design 100 70	°C

DESIGN

1 OF 1

TITLE SHELL & TUBE COOLER

HOC1-8-1450-PKJ

ISSUE DATE

DESIGN TEAM			PROJECTION METHOD	THIRD ANGLE PROJECTION	SCALE	N / A	A3
DRWN	J.Y.MIN	22.08.08					QTY
CHK'D							
REV'D							
APP'D							REV.

DWG NO.