



**PART LIST**

ITEM NO.	PART NAME	Q'ty	SIZE	MATERIAL
16	SPRING WASHER	16	M12	HSWR3
16	BOLT	16	M12x55L	SCM435
2	BRACKET	2	4.5T	SS275
2	WATER DRAIN SOCKET	2	PT 1/2"	SPPS
1	OIL DRAIN SOCKET	1	PT 3/4"	SPPS
2	LUG	2	6T	SS275
1	C/W OUTLET	1	32A / 10K. FF	SPPS/SS275
1	C/W INLET	1	32A / 10K. FF	SPPS/SS275
1	OIL OUTLET	1	25A / 10K. FF	SPPS/SS275
1	OIL INLET	1	25A / 10K. FF	SPPS/SS275
2	SIDE COVER	2	Ø210x36T	SS275
2	GASKET	2	1.5T (Non-Asbestos)	7300
2	SHELL FLANGE	2	Ø210x18T	SS275
100	TUBE	100	Ø9.52x1102L	C1220T
1	SHELL	1	150A	SPP

**DATA SPECIFICATION**

No.	ITEM	DESCRIPTION	UNIT
1	Heat Dissipation	6,660	Kcal/h
2	Heat Transfer Area	3.37	M <sup>2</sup>
3	Fluid	OIL	WATER
4	Flow Rate	12	53 L/min
5	Max. Working Pressure	15	10 bar
6	Test Pressure	20	20 bar
7	Temperature	Working (IN/OUT)	63/38 35/37.1 °C
		Design	100 70 °C

DESIGN  1 OF 1

TITLE SHELL & TUBE COOLER ISSUE DATE

HOC1-6-970-PKJ

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

DWG NO. REV.