

FINAL


Refrigerated Type CONTROL AIR DRYER

MODEL : KADM - 100

MESSRS	HYUNDAI HEAVY INDUSTRIES CO. LTD.
SHIP TYPE	180,000 DWT BULK CARRIER
QUANTITY	1 SET(S) / SHIP
SHIP NO	H.2452 / 53
POWER SUPPLY	AC220V x 60Hz x 1 Ph

KYUNG NAM DRYER CO., LTD.

306-1 NAEYU-DONG, DEOBYANG-GU, GOYANG-SI, KYONGGI-DO, KOREA
TEL : (031) 963-0080, 963-7832 FAX : (031) 962-0180

REV.	DATE	DESCRIPTION	DRAWN BY	REV'D BY	APP'D BY	MODEL NO.	DWG.NO.
						 KYUNG NAM DRYER CO., LTD. KYONGGI-DO, KOREA	
2	2011.09.19	FINAL	S.H.LEE	I.G.KIM	I.G.KIM	TITLE REFRIGERATED TYPE CONTROL AIR DRYER TOTAL(10) SHEET INCLUDING COVER	
1	2011.02.23	FOR WORKING	Y.H.SAE	I.G.KIM	I.G.KIM		
0	2010.08.17	FOR APPROVAL	Y.H.SAE	I.G.KIM	I.G.KIM		
						KADM - 100	KADM-100-CO-001

Refrigerated Type CONTROL AIR DRYER

SHIP NO.

H.2452 / 53

SPECIFICATIONS

TYPE	ELECTRIC REFRIGERATED
OPERATING PRESSURE	7 kg/cm ² .g
CAPACITY (FREE AIR)	100 Nm ³ /h
INLET AIR TEMPERATURE	50°C
OUTLET AIR TEMPERATURE	ABOUT 18°C
AMBIENT TEMPERATURE	45°C
PRESSURE DROP	0.2 kg/cm ² .g
PRESSURE DEW POINT	5 °C at 8 kg/cm ² .g
ATMOSPHERIC DEW POINT	-22 °C
REFRIGERANT	R - 407C
CONDENSER	AIR COOLED
REFRIGERATION COMPRESSOR	NOMINAL VALUE 0.75KW
VOLTAGE	AC220V x 60Hz x 1 Ph
CONDENSATE DISCHARGE	AUTOMATIC DRAIN TRAP
MOTOR WINDING INSULATION	CLASS F

DIMENSIONS

AIR CONNECTIONS	FLANGE JIS 10K - 25A
CABLE GLAND	SOURCE JIS 20B, 15B
HEIGHT	770 MM
WIDTH	420 MM
DEPTH	850 MM
WEIGHT	110 KG
PAINTING COLOR	BODY- MUNSELL NO. : 7.5 BG 7/2
	ELECTRIC OANEL : RAL 7032

TITLE

CONTROL AIR DRYER
KADM - 100 (AC 220V)

APPROVED
I.G.KIM

DRAWING
S.H.LEE

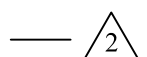
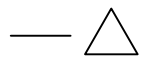
APPROVED DOC NO.

DRAWING NO.

SPECIFICATIONS

DATE
2011.09.19

KADM100-SP-002



NO.	DESCRIPTION	QTY
1.	COMPRESSOR	1
2.	CONDENSER	1
3.	FAN CONTROL SWITCH	1
4.	FILTER DRYER (3/8")	1
5.	EXPANSION VALVE	1
6.	HOT GAS BY-PASS VALVE	1
7.	BALL VALVE	1
8.	HEAT EXCHANGER	1
9.	AUTO DRAIN TRAP (PT1/2)	1
10.	SUPPORT	4
11.	CASING	1
12.	BASE	1
13.	DUAL PRESSURE SWITCH	1
14.	AIR PRESSURE GAUGE	1
15.	HIGH PRESSURE GAUGE	1
16.	LOW PRESSURE GAUGE	1
17.	CONTROL BOX	1
18.	SUCTION	1
19.	DISCHARGE	1
20.	FAN MOTOR	1
21.	POWER ON/OFF SWITCH	1
22.	POWER LAMP (WHITE)	1
23.	ABNORMAL ALARM LAMP (RED)	1
24.	CABLE GLAND (20B x 1EA, 15B x 1EA)	2
25.	DRAIN CONNECTOR (OD 10)	1
26.	REF. COMPRESSOR LAMP (GREEN)	1
27.	H/L PRESSURE S/W LAMP (RED)	1
28.	FAN MOTOR LAMP (GREEN)	1
29.	LIQUID RECEIVER	1
30.	CHARGE NIPPLE	1
31.	SIGHT GLASS (3/8")	1
32.	AIR FILTER(1 MICRON)	1

REV.	DATE	DESCRIPTION	DRAWN	CHK'D	APP'D
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1	2011. 02. 23	FOR WORKING	Y.H.SAE	I.G.KIM	I.G.KIM
0	2010. 08. 17	FOR APPROVAL	Y.H.SAE	I.G.KIM	I.G.KIM

HULL NO.		H.2452 / 53
TITLE		REFRIGERATED TYPE CONTROL AIR DRYER
MODEL NO.		KADM-100
DWG NO.		KADM100-GA-0007

