☐for information ☐for quatation
■for approval ☐for final

DATA SHEET FOR DESSICANT AIR DRYER

		REV	DATA	PAR'D	CHK,D	APP'D
CUSTOMER						
LOCATION		0	16.05.25	J.P.KIM	J.P.KIM	S. LEE
PROJECT NO.						
SERVICE						
SUPPLIER						
NO. REQ.D						

PROCESS DESIGN DATA

DRYER TYPE	HEATLESS TYPE AIR DRYER	**MODEL**	SAD-15
FLUID	COMPRESSED AIR	MAX. ALL. DROP	0.2 kg/㎠G
INLET CONDITION		**OUTLET CONDITION**	
FLOW RATE	108 Nm3/hr	FLOW RATE(NORMAL)	91.8 Nm3/hr
PRESSURE(**NOR**./MAX)	7.0 kg/㎠G	REGEN. AIR CONSUMPTION	16.2 Nm3/hr
TEMPERATURE(NOR./**MAX**)	40 ℃	PRESSURE(**NOR**./MAX)	6.8 kg/㎠G
RELATIVE HUMIDITY	100 % at 40 ℃	TEMPERATURE(NOR./**MAX.**)	40 ℃
UTILITY AVAILABLE		DEW POINT	-40 ℃ at ATM.
COOLING WATER	kg/㎠G ℃ below	**INSULLATION**	■ INDOOR
CHILLED WATER	kg/㎠G ℃	**AREA CLASS**	☐ HAZAROUS AREA
STEAM	kg/㎠G ℃		■ NON-HAZAROUS AREA
MAIN POWER	1 Ph 60Hz 220 V	**NOISE LEVEL(MAX.)**	85 dB(A) at 1m
CONTROL POWER	1 Ph 60Hz 220 V	**OPERATION**	■ AUTOMATIC ☐ MANUAL

MECHANICAL DESIGN DATA

DESIGN PRESSURE	9.9 kg/㎠G	**MATERIAL for VESSEL**	
DESIGN TEMPERATURE	100 ℃	SHELL / HEAD	SPP / SPP
CORROSION ALLOWANCE	1.0 mm	DESICCANT SCREEN	STS304
CODE AND STANDARD		FLANGE RATING	-
VESSEL	KSB6750	HEX. BOLT/N/W	-
PIPING DESIGN	KS ST'D	INTERNAL PIPING	SPP
MATERIAL	KS ST'D	GASKET	NON- ASBESTOS
SURFACE TREATMENT	SSPC-SP3	**RADIOGRAPH EXAM.**	N/A
PAINT COLOR	MAKER STD		

SPECIFICATION

DESICCANT		**ACCESSORIES**	
TYPE	BALL (4~6mm)	■	PURGE SILENCER
MATERIAL	ACTIVATED ALUMINA	☐	DEW POINT SENSOR & INDICATOR
WEIGHT	34 kg/2towers	☐	EQUIPMENT BY-PASS PIPING & VALVE
		■	PRESSURE GAUGE
REGENERATION TYPE		☐	TEMPERATURE INDICATOR
☐ ELECTRICHEATER	Kw (1step)	■	LOCAL CONTROL PANEL
☐ STEAM HEATER	kg/hr at kg/㎠G	☐	OUTLET LOW PRESSURE S/W
☐ REGENERATION BLOWER	Kw	☐	COOLET & SEPARATOR
OPERATION CYCLE		☐	AUTO DRIN TRAP
CYCLE 10.0 mins DRYING-5.0 mins REGEN.-4.0 minus		☐	HEATER
PRESSURIZING - 1.0 mins		☐	PRE FILTER FILTER
DRYER TOTAL WEIGHT	about 125 kg	☐	AFTER FILTER
IN/OUT CONNECTION	20A PT SCREWED	DIMENSION(mm) L x W x H	768 x 500 x 1720