

PRAXAIR, INC
SPIRAL SPECIFICATION SHEET

SERIAL NO: 96012

By:	J. Kalista	Date:	1/26/98
Revision:		2	
By:	J. Kalista	Date:	7/23/98

MACHINE TYPE:	STD. LN2 R.H. UP W/CCF & BELT WASH HEADER
PRAXAIR MODEL# :	JE-U6 34S/322/4.75 W/CCF & BELT WASHER HEADER
CUSTOMER:	CGI DESSERTS, INC. (7" - 9" CAKE LINE)

DESIGN OPTIONS

AIRFLOW:	Cage Fan:	<input checked="" type="checkbox"/>	H.P.	20	R.P.M.	1160
MOTOR:	Mfr.	BALDOR	Mfr. Part #	CP4102T-MI5		
			Praxair Part #	SF1109563A		

SPIRAL DATA

BELT:	Width:	34 in	Praxair Part #	SF0504353A		
	Type:	S.R. OMNI-GRID B18-12/16-14 CL @ 13.75				
	Per tier:	23.4 ft.	Weight:	8 lb/ft		
	Active Length:	323 ft.	Total Length:	362 ft.		
TIER:	Pitch:	7.12 in.	Number of	13		
CAGE:	<input checked="" type="checkbox"/> Up	<input type="checkbox"/> Down				
PRODUCT:	Max. Height	4.75 in.	Max Load	12	lb./linear ft.	
SPIRAL CONFIGURATION:			RIGHT HAND UP STRAIGHT THRU			
SPEED:	Max.	15 fpm @ 80 Hz.	Min.	3.7 fpm @ 19 Hz.		
DWELL:	Min	23 minutes @ 80 Hz.	Max	92 minutes @ 19 Hz.		
SLIP:	Calculated	32.7 in.	Measured	30.5 in.		

CRYOGEN INJECTION SYSTEM

LN2	<input checked="" type="checkbox"/>	No of Headers:	9	Nozzles/Header:	7	Nozzle Praxair Part #	NF1016324A
Header Locations	(3) Per Tier - Inj. On Tiers 3, 6, & 9				Normal Operating Press:	7 - 10	PSI
CO2	<input type="checkbox"/>	No of Headers:		Prasos/Header:		Praso Setting:	PSI
Header Locations	N/A				Normal Operating Press:		PSI
		Praso Praxair Part #	N/A		Nozzle Praxair Part #	N/A	

CRYOGEN CONTROL VALVE

BADGER	<input checked="" type="checkbox"/>	Size:	1 1/2"	Trim:	10.0 CV	Praxair Part #	SF1117313A
	<input type="checkbox"/>	Ball Type:		Cv Reqd.:		Praxair Part #	

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PHYSICAL SPIRAL DIMENSIONS

CAGE DIAMETER:	62 in.	OVERALL BELT DIA.	130 in.
OVERALL SPIRAL HEIGHT:	162 1/8 in.		
ENCLOSURE:	Width	151 in. w/doors	Length 192 in. Height 137 in.
ENT. ELEVATION:	Freezer Floor	5 5/16 in.	Plant Floor 30 5/16 in.
EXIT ELEVATION:	Freezer Floor	101 in.	Plant Floor 126 in.

SPIRAL CONTROLS

VOLTAGE:	Plant	460	Machine	460	GFD	6A
TOTAL AMPS:		Vortec	X	Probe Style		

CONVEYOR DRIVE

VARIABLE FREQUENCY	AC Size	7.5	H.P.		Input Voltage	460
	Drive Type		Model#			

MAIN DRIVE

MOTOR:	Mfr.	BALDOR		H.P.	5	R.P.M.	1160
	Praxair Part #	SF1107993A		Mfr. Part #	VM3708T		
REDUCER:	Mfr.	EURODRIVE		Ratio	355:1		
	Praxair Part #	SF1114723A		Mfr. Part #	RF103R72LP215TC		
SPROCKETS:	Drive	140B13 X 2.88" BORE		Praxair Part #	7038006		
	Cage	140B80 X 4.00" BORE		Praxair Part #	SF1009603A		
CHAIN:	Type	#140 ROLLER	Length	25 ft.	Praxair Part #	7030006	
	Master Link	Praxair Part #	SF1009593A		Offset Link	Praxair Part #	SF1010593A

AUXILIARY DRIVE

MOTOR:	Mfr.	BALDOR		H.P.	3/4	R.P.M.	1140
	Praxair Part #	SF1107183A		Mfr. Part #	VM3543		
REDUCER:	Mfr.	WINSMITH		Ratio	100:1		
	Praxair Part #	SF1112903A		Mfr. Part #	920CDT-100L-56C		
SPROCKETS:	Drive	50B17 X 1.00" BORE		Praxair Part #	7035006		
	Driven	50B28 X 1.25" BORE		Praxair Part #	7035001		
CHAIN:	Type	#50 ROLLER	Length	4 ft.	Praxair Part #	SF111233A	
	Master Link	Praxair Part #	7030011		Offset Link	Praxair Part #	7030019

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MAJOR ASSEMBLIES

FINAL:	SN960012	WIRING DIAGRAM:	PENDING
ROLLED TRACK:	PENDING	FANS/CAGEFAN:	SX5015692D R. 2
TAKE-UP:	SX5014302D R. 3	CRYOGEN PANEL:	SX5026632D R. 0
ENTRANCE:	SX5012712D R. 0	INFEED:	N/A
EXIT:	SX5013532D R.	WASH TANK:	SEE ENTRANCE ASSY
EXIT DRIVE:	PENDING	EDGE DRIVE:	N/A
ENCLOSURE:	SX5008162D R. 0	DILUTION BLOWER:	FX1013952D
POST AND SENSOR:	SX5003802D R. 0	BELT WASH HDR.	SEE ENTRANCE ASSY
		MAIN DISCONNECT	SF1110533A
		FUSE, 60 AMP	SF1111053A

MANUFACTURING DATA

WEARSTRIP:	Inside	256	ft.	Praxair Part #	SF0502113A
	Middle	N/A	ft.	Praxair Part #	SF0502113A
	Outside	427	ft.	Praxair Part #	SF0502113A
HOLD DOWN WEARSTRIP:	Inside	N/A	ft.	Praxair Part #	N/A
	Outside	N/A	ft.	Praxair Part #	N/A
CAGE BAR CAPS:	Qty	46	ea.	Praxair Part #	5052042B

REMARKS

REVISIONS

REV 1 Created additional clearance per CGI specs.
Product clearance max height (was 4.3 now 4.75)
Affected exit height (dropped 1")
Tier pitch (was 6.6 now 7.12)
Speed (was 3.7 with max 14.7 now 3.2 with max 13.4)
Tier qty (was 14 now 13)
Belt length (was 387 now 362)
Sprockets on main drive (was 140B13 #7038006 now 140B12)
Sprockets on auxilliary driven (was 50B32 #7035005 now 50B35 #7035003)
Addition of main disconnect - SF1110533A
Fuse, 60 amp - SF1111053A
Major assemblies affected:
Rolled track ass'y - SX5004392D
Post and sensor ass'y - SX5004422D
Post weldments #1-5 - SX5004432D-SX5004472D
Sensor ass'y post #5 - SX5004482D
Wall panel ass'y - SX5008162D
Exit assembly 34" belt - SX5013532D
Exit baffle ass'y - SX5015732D
Exit spillover and drive - SX5020622D

REV 2 Updated to as built.
Sprockets on main drive (was 140B12 is 140B13)
Sprockets on auxilliary driven (was 50B35 is 50B28)
Sprockets on auxilliary drive (was 50B19 is 50B17)
Updated dwell and speed to as built

