



ITEM	QTY.	PART NO.	DESCRIPTION
1	1	C97481A	12" Ø x 12" PITCH x 3/16" R.H. SECTIONAL FLIGHT SCREW CONVEYOR CONT. WELDED BOTH SIDES ON 3" SCH. 40 PIPE x 9'-8" LG. BUSHED FOR 2 1/16" COUPLING. ALL WELDS GROUNDED TO CEMA III FINISH, T-316 3/5
2	4	242377	3/8" x 4 3/8" COUPLING BOLTS "LOCKNUTS, T-316 3/5
3	1	C97481A3	2 1/16" DIA T316 3/5 TAILSHAFT W/ 1/2" DIA. STUB SHAFT
4	1	C97481A6	2 1/16" DIA T316 3/5 DRIVESHAFT
5	1	C97481A7	12" x 2 1/16" PEDESTAL TROUGH END T-316 3/5 R W/ T316 3/5 PACKING GLAND SEAL & PILLOW BLOCK BALL BEARING
6	1	C97481A13	12" PEDESTAL TROUGH END, SAME AS ITEM #5, EXCEPT W/ PILLOW BLOCK ROLLER BEARING.
7	1	C97481A19	12" x 3/16" FORM FLG TROUGH SECT x 9'-11" LG W/ (2) 14" DIA. x 3/16" DISCHARGE SPOUTS T316 L SS
8	1	C97484A2	DYNALCO MAGNETIC PICK-UP MODEL M-139
9	1	C97484A3	GEAR, 16 PITCH, 1/2" FACE, 14 1/2" PA, 40 TOOTH, 2 1/2" PD, 1/2" BORE
10	1	C97481A23	MAGNETIC PICKUP MOUNTING BRACKET AND GEAR GUARD
11	16	241049	1/2" x 1 1/2" HX HD ASSY. BOLTS, T.E. FLGS, T-316 3/5
12	1	C97481A28	DRIVE SUPPORT BRKT FOR MOUNTING DRIVE ABOVE UNIT CARBON STEEL

D1	1	C97484A4	MOTOR 5 HP, 1750 RPM, 230/460V, 3PH, 60CYC, CLASS I, DIV II, GROUP D, EXP. PROOF, US MOTOR SEVERE DUTY ENERGY EFF. 184T FRAME, PEE SPEC 109.08.27 REV. 8
D2	1	C97484A5	FALK 52-1030 F22 MOTORREDUCEE W/ 100 RPM OUTPUT, 1.5 SF, HIGH SPEED COUPLING & GUARD
D3	1	C97484A6	SPROCKET #BOSF21
D4	1	C97484A7	BUSHING SF x 1 3/4" BORE
D5	1	C97484A8	BROWING SHQ1 SHEAR PIN HUB W/ Q1 x 2 1/16" BUSHING S80Q48 SPROCKET & 2Q SHEAR PIN.
D6	1	C97484A9	#80 ASA ROLLER CHAIN W/ CONNECT LINK x T-6" LG
D7	1	C97484A10	CHAIN GUARD, TOTALLY ENCLOSED, OIL TIGHT.

- NOTES:
- SHOP ASSEMBLED, MATCH MARKED & DISASSEMBLED-ONLY AS REQ'D FOR SHIPMENT
  - DRIVE SHIPS LOOSE FOR FIELD ASSEMBLY
  - CAULKING TO SEAL JOINTS & TROUGH ENDS
  - CEMA III FINISH ON ALL INTERIOR TROUGH WELDS.
  - SHOP COAT STD. PRIMER ON EXTERIOR CARBON STEEL
  - QTY. 1 - 12" Ø x 9'-11" LG. HORIZONTAL SCREW CONVEYOR FOR HANDLING 7.9 TPH OF CRYSTALLINE DNS WET CAKE @ 70° F. MAX. @ 30-40 PCF WHEN CONTINUOUSLY & UNIFORMLY FED & OPERATING @ 44 RPM. CAPACITY BASED ON 28% LOAD.
  - SCREW CONV. DESIGNED TO OPERATE AT DESIGN CONDITIONS IN EITHER DIRECTION.

This Drawing/Date Meets Certified VDA Requirements  
 BY: [Signature] DATE: 3/16/90

CERTIFIED DRAWINGS  
 DATE: MAR 10 1990  
 CONTINENTAL SCREW CONVEYOR CORP.  
 ORDER NO. C9-748

B	LD	3-8-90	REVISIONS PER APPROVAL PRINT DATED 3-1-90
A	KLT	2-6-90	REVISED PER APPROVAL PRINT DATED 1-30-90
DIMENSIONAL TOLERANCES		CONTINENTAL SCREW CONVEYOR CORPORATION MANUFACTURER OF BULK MATERIAL HANDLING EQUIPMENT 4343 Easton Road • St. Joseph, MO 64503 • (816) 233-1800	
FRACTIONAL:		CIBA GEIGY CORP. P.O. # X72371	
DECIMAL:			
ANGULAR:			
BY	DATE	12" Ø x 9'-11" HORIZONTAL SCREW CONVEYOR	ORDER NO. C9-748
DRAWN	TOOMBS	1/11/90	NEXT ASSY.
CHECKED			SCALE
APPROVED			DRAWING NO. 2135BG
ITEM # B-M-318			REV. B

F.A. NO. 812-286