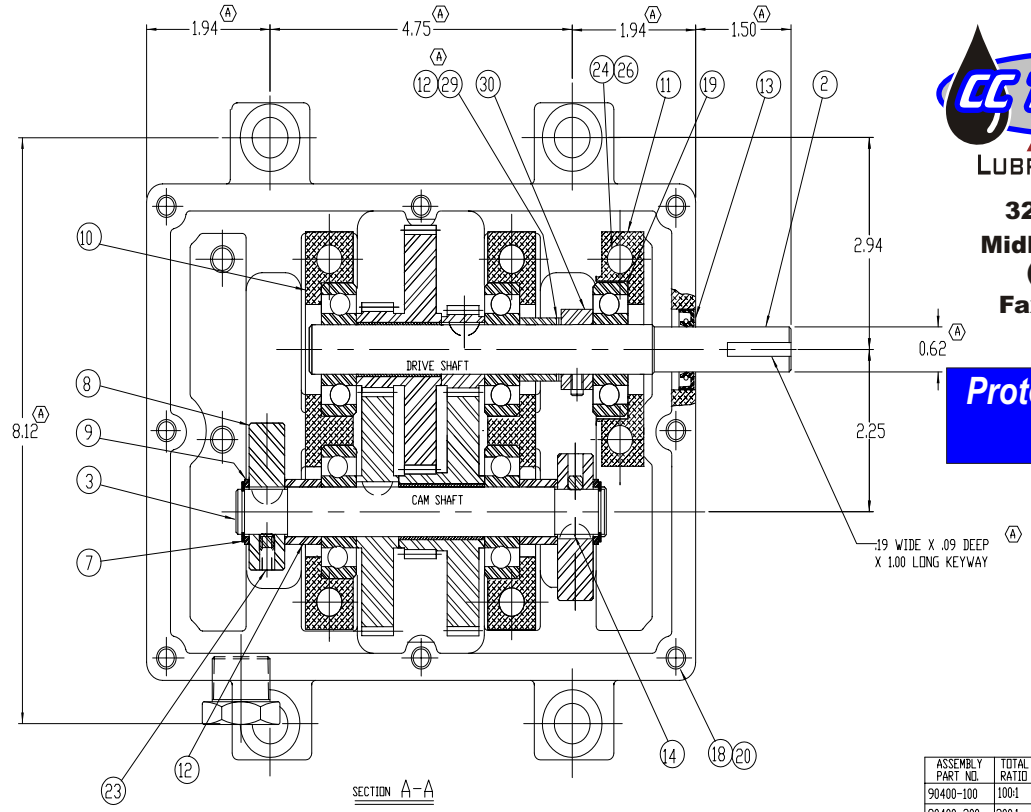
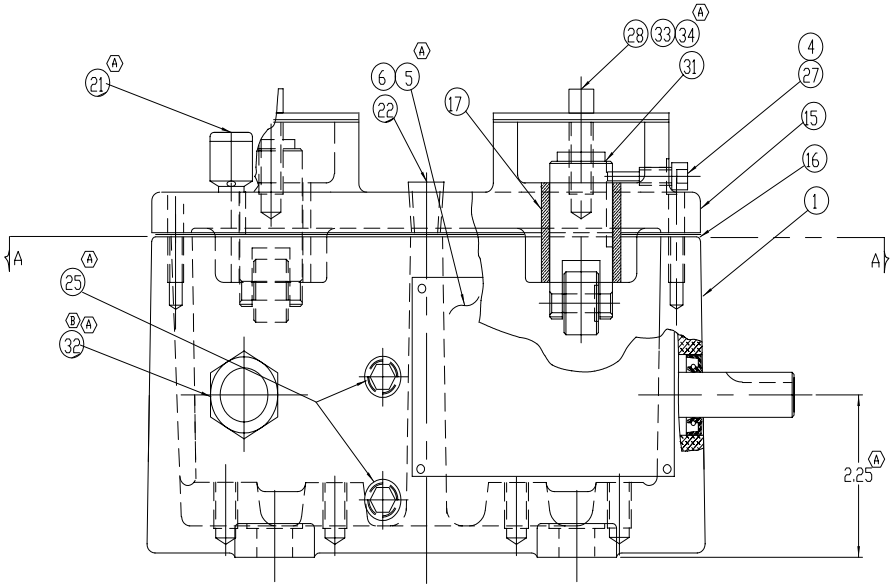
PLOTTED 03-02-01

B30300

30300



SECTION A-A



CC Technology pro-flo
LUBRICATION DIVISION

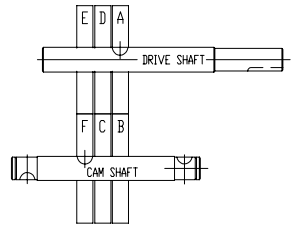
3201 West Wall St.
Midland, Texas 79701
(432) 520.6700
Fax (432) 520.6707
www.cct.nu

Protecting Compressors World Wide

ITEM	PART NO.	QTY	DESCRIPTION
1	30282-R	1	HOUSING - GEAR BOX ,MACHINED
2	30293	1	SHAFT - DRIVE
3	30294	1	SHAFT - CAM
4	30373	2	GASKET - GUIDE SCREW 1/4"
5	91967	1	PLATE - PREMIER NAME
6	30324	4	SCREW - U TYPE PUSH
7	90223	2	RING - SNAP
8	30292	2	CAM
9	90227	2	WASHER - 5/8"
10	30286	2	PLATE - BRG. MOUNTING (DUAL)
11	30285	1	PLATE - BEARING MOUNTING (SINGLE)
A 12	30302	3	SPACER
13	90293	1	SEAL - OIL
14	90216	4	#3 WOODRUFF KEY
15	30284	1	PLATE - PUMP AND COVER
16	30309	1	COVER GASKET
17	30360	2	BUSHING - COVER PLATE
18	30311	8	SCREW - 5/16-18 X 1.1/4" LONG SOC. HD. CAP
19	30291	5	BEARING - RADIAL
20	90372	8	5/16" LOCK WASHER
21	30377	1	PLUG - FILTER AND VENT
22	90476	1	PLUG - PIPE 1/2 NPT
23	90304	2	SCREW - SET
24	30334	6	SCREW - 3/8-16 UNC X 3" LG SOC. HD.CAP
25	91610	2	PLUG - 1/4 NPT SOCKET HEAD
26	90456	10	LOCK WASHER - 3/8"
27	30314	2	SCREW - ROLLER/TAPPET GUIDE
28	30312	4	SCREW - 3/8-16 UNC X 1.1/4" LONG SOC. HD. CAP
A 29	30361	2	WASHER
30	30369	1	COLLAR - STOP
31	30315	2	ASS'Y - ROLLER / TAPPET
B 32	92350	1	3/4" NPT GAUGE GLASS
A 33	30310	2	GASKET - PUMP
A 34	30308	2	COVER - PUMP STATION
35	90490	1	KEY - 3/16" SQUARE X .75 LONG
A			

RATIO CHART

ASSEMBLY PART NO.	TOTAL RATIO	WORM GEAR ITEM # 5	WORM ITEM # 8	WORM GEAR ITEM # 21	WORM ITEM # 22
90400-100	100:1	90077	90064	90077	90064
90400-200	200:1	90078	90065	90077	90064
90400-300	300:1	90079	90066	90077	90064
90400-400	400:1	90078	90065	90078	90065
90400-600	600:1	90079	90066	90078	90065
90400-800	800:1	90078	90065	90080	90067
90400-900	900:1	90079	90066	90079	90066
90400-1200	1200:1	90079	90066	90080	90067
90400-1600	1600:1	90080	90067	90080	90067
90400-1800	1800:1	90079	90066	90081	90068



GEAR ARRANGEMENT

ASS'Y P/N	RATIO	A	B	C	D	E	F
30300-1-1	1:1	30287 (36T)	30287 (36T)				✳
30300-3-1	2.8:1	30307 (19T)	30288 (53T)				✳
30300-8-1	7.7:1	30287 (36T)	30295 (36T/19T)		30296 (53T/19T)		30288 (53T)
30300-21-1	21.5:1	30307 (19T)	30296 (53T/19T)		30296 (53T/19T)		30288 (53T)
30300-1-3	1:2.8	30288 (53T)	30307 (19T)				✳

✳ USE 2 P/N 30303 SPACERS AND REVERSE CAMSHAFT

NOTE:

GEARBOX MUST HAVE TAG STATING: FILL GEAR BOX TO CENTER OF GAUGE GLASS BEFORE RUNNING. USE SAE 90 GEAR OIL AND CHANGE OIL EVERY 6 MONTHS.

B	ITEM 32 WAS 91964	632	03-02-01 MMB
A	GENERAL REVISION	535	97-07-99
LET.	REVISION	ECN	REV. BY DATE / APP'D BY DATE

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ALL DIMENSIONS IN INCHES
MACHINE MARKS & BREAK EDGES
TOLERANCES NOT NOTED
ONE PLACE .XX MAX.
TWO PLACES +/- .XX
THREE PLACES +/- .XXX
CONCENTRICITY .XXX T.I.R.
SURFACE ROUGHNESS 125 RMS
ANGLES +/- .5 DEG.

REF.

APPROVED

SCALE: FULL

C C Technology Inc.
3201 West Wall St. Midland, TX 79701
Office: 432.520.6700 fax: 432.520.6707

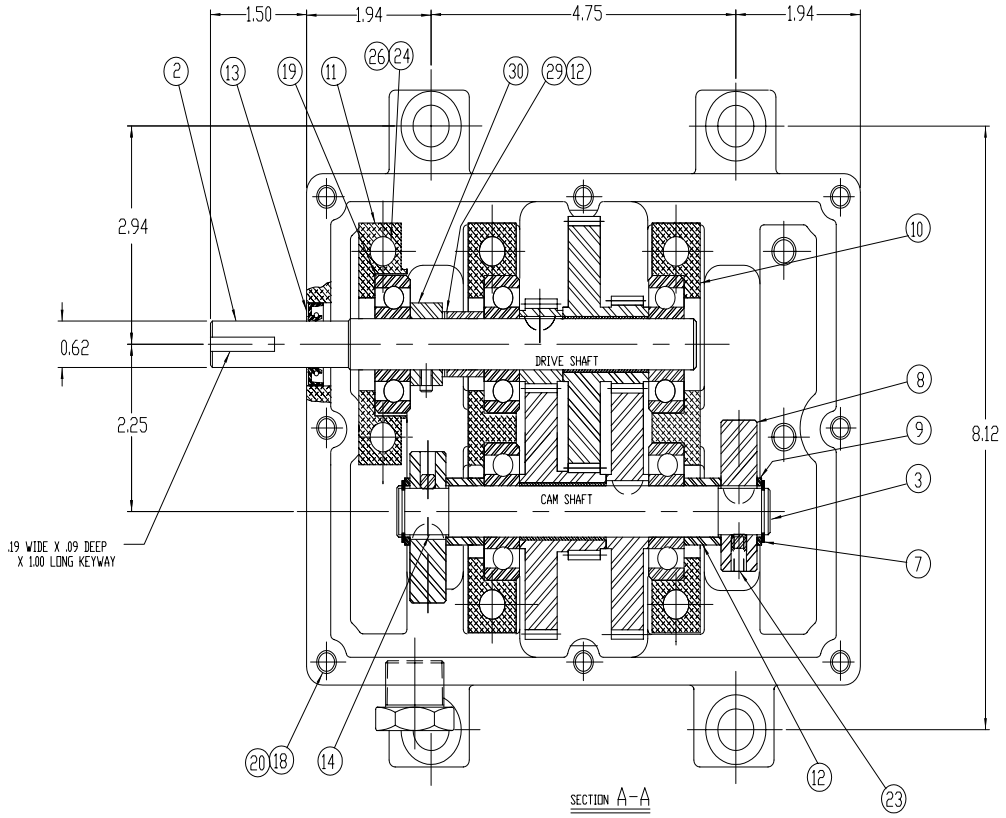
TITLE
HVLP Gear Box
Right Hand End Rotary

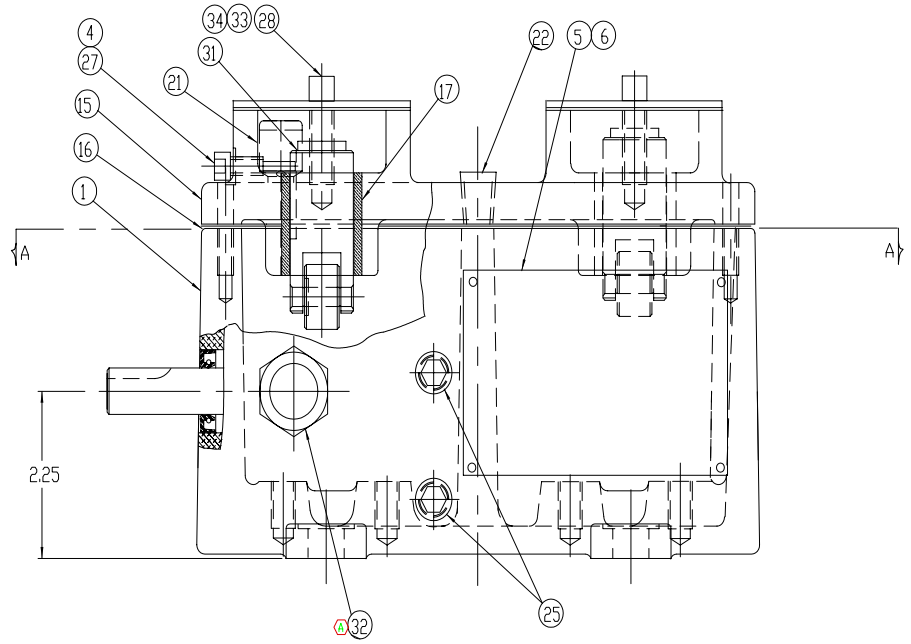
DRWN BY	DATE	DRAWING NO.	REV.
MMB	8-12-98	30300-	B
CHKED BY	DATE		

PLOTTED 03-02-01

B30299

30299





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Protecting Compressors World Wide

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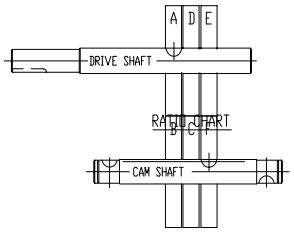
90400-800	800:1	90078	90065	90080	90067
90400-900	900:1	90079	90066	90079	90066
90400-1200	1200:1	90079	90066	90080	90067
90400-1600	1600:1	90080	90067	90080	90067
90400-1800	1800:1	90079	90066	90081	90068



GEAR ARRANGEMENT

ASS'Y P/N	RATIO	A	B	C	D	E	F
30299-1-1	1:1	30287 (36T)	30287 (36T)				✳
30299-3-1	2.8:1	30307 (19T)	30288 (53T)				✳
30299-8-1	7.7:1	30287 (36T)	30295 (36T/19T)		30296 (53T/19T)		30288 (53T)
30299-21-1	21.5:1	30307 (19T)	30296 (53T/19T)		30296 (53T/19T)		30288 (53T)
30299-1-3	1:2.8	30288 (53T)	30307 (19T)				✳

✳ USE 2 P/N 30303 SPACERS AND REVERSE CAMSHAFT

NOTE:

GEARBOX MUST HAVE TAG STATING:
FILL GEAR BOX TO CENTER OF GAUGE GLASS BEFORE RUNNING. USE SAE 90 GEAR OIL AND CHANGE OIL EVERY 6 MONTHS.

LET.	REVISION	ECN	REV. BY DATE	APP'D BY DATE
A	ITEM 32 WAS 91964	632	JTC 03-02-01	

ALL DIMENSIONS IN INCHES
MACHINE BURRS & SHARP EDGES TO BE REMOVED, NOT ROUNDED
CHAMFER MAX .03 MAX.
XX ± PLACED +/- .010
XXX ± PLACED +/- .005
XXXX ± PLACED +/- .005
CONCENTRICITY .010 T.I.R.
SURFACE FINISH 125 RMS
ANGLES +/- 5 DEG.

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C C Technology Inc.
3201 West Wall St. Midland, TX 79701
Office: 432.520.6700 fax: 432.520.6707

TITLE: HVLP Gear Box
Left Hand End Rotary

DCF:
APPROVED:
DRAWN BY: MBB
DATE: 12-8-99
CHK'D BY:
DATE:
SCALE: FULL
DRAWING NO.: 30299-
REV.: A