



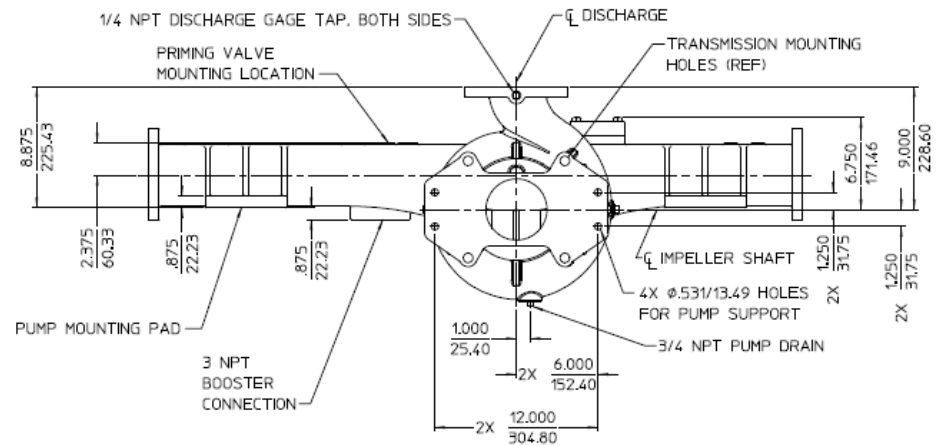
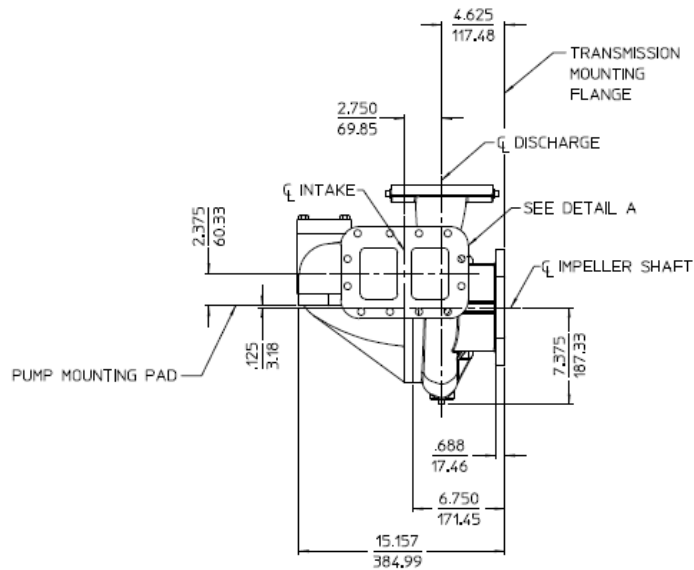
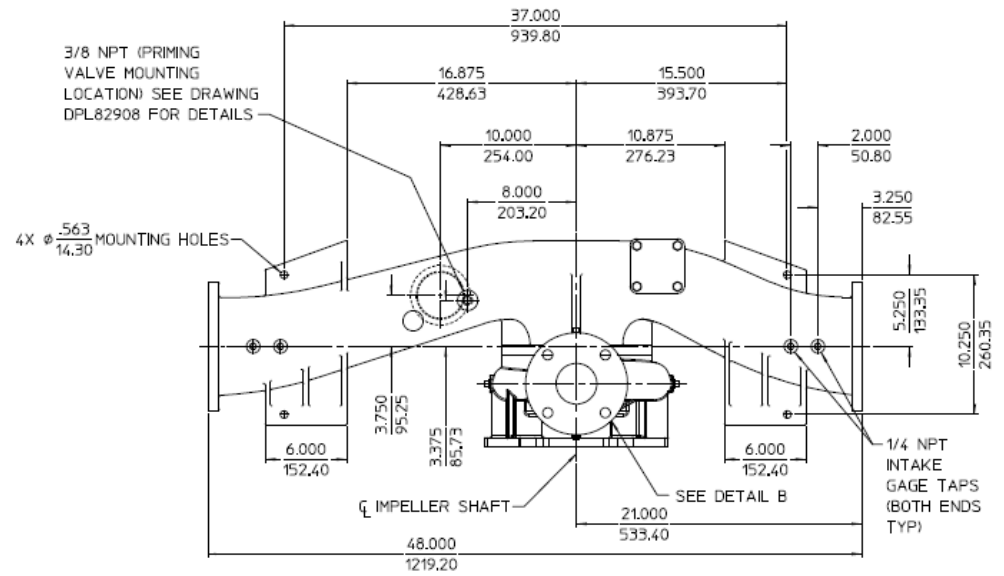
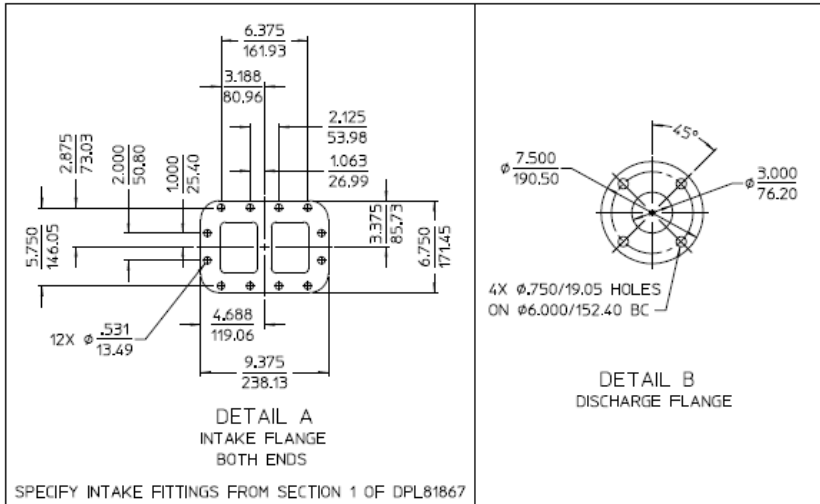
Document Number DPL82906	Issue Date 06/08/06	Rev. Date 9/20/18
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CGVG Series Fire Pumps Dimensional Drawings

Pump and Transmission								
Basic Pump		Drive			Pump Model	Assy No.	See Page	
Series	Intake	Type	Driveline Type	Input Rotation (1)			Body Dimensions	Pump and Transmission Dimension
CGVG	Crosspipe	C20 Series Split Shaft, Chain Drive Transmission	Input and Output Shaft	CW	CGVGC20B, CGVGC20C CGVGC20D, CGVGC20E CGVGC20F	82906	2	3, 5
			Input Shaft Only	CW	CGVGC20B, CGVGC20C CGVGC20D, CGVGC20E CGVGC20F	82906	2	4, 5
		K Series Two Gear Increasor (No Clutch)	Input Shaft Only	CW	CGVGK	82906-2	2	6
		PA Series PTO Driven, Chain Drive Transmission	Input Shaft Only	CW	CGVGPA	82906-3	2	7

Notes:

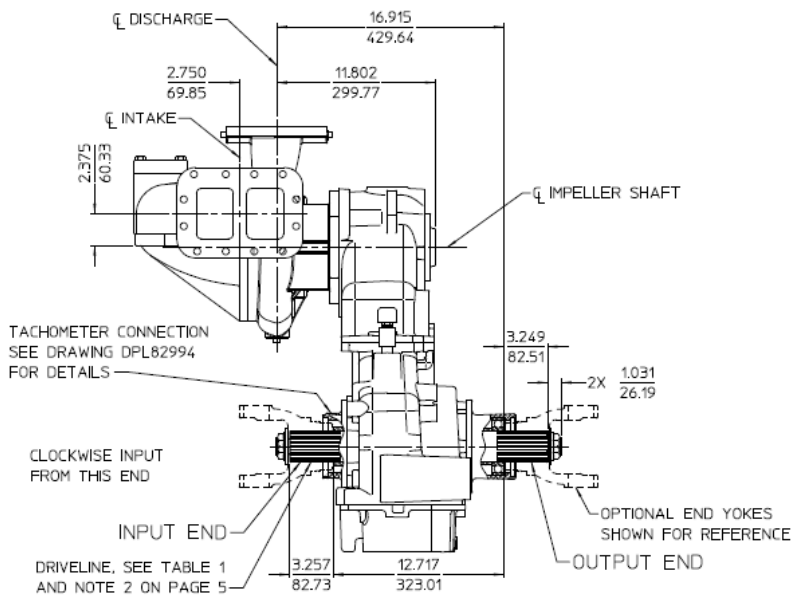
1. Input rotation is viewed looking directly at the transmission input shaft.
2. Pump must be installed in accordance with Waterous Installation Instructions.



NOTE:
1. SEE DRAWINGS DPL82084 AND DPL82084-5 FOR PRESSURE CONTROL SYSTEMS.

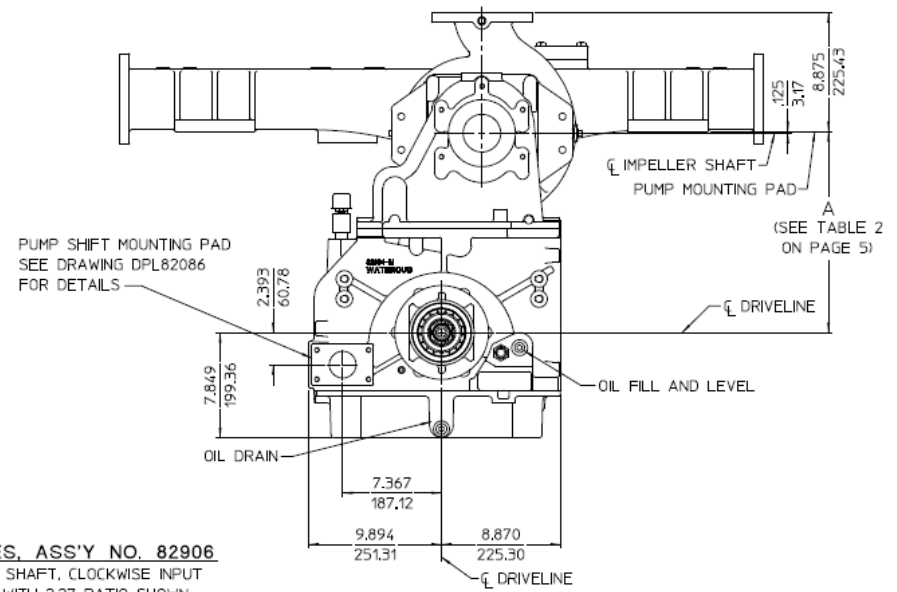
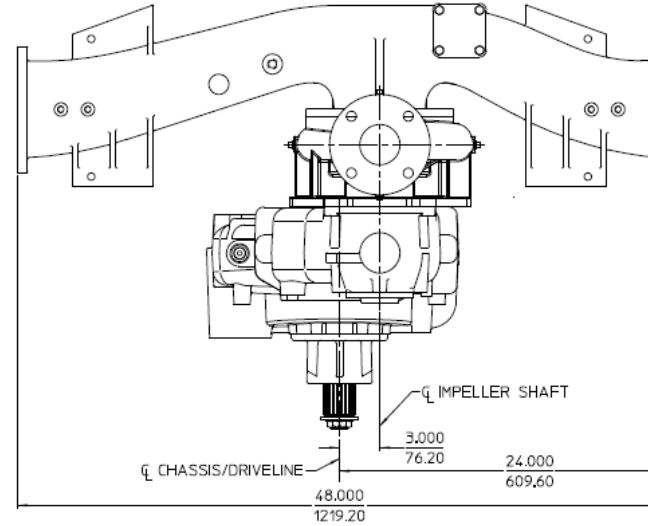
CGVG BODY DIMENSIONS

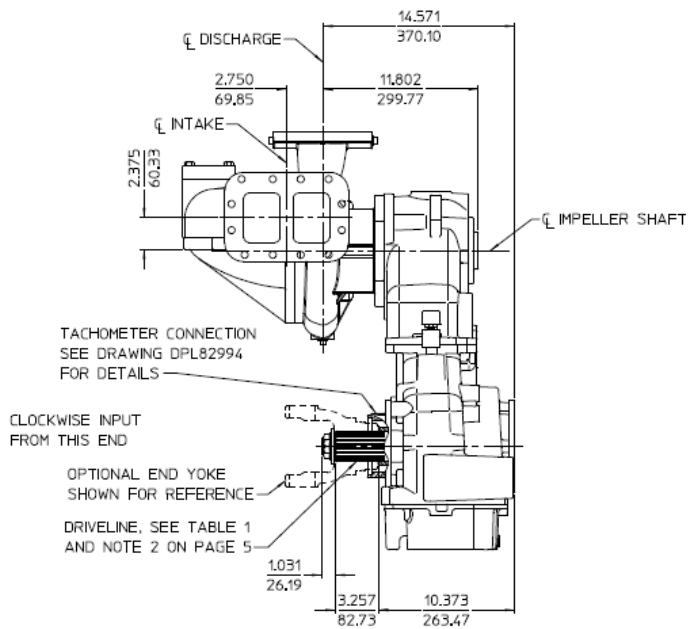
ALL DIMENSIONS SHOWN IN INCH/MILLIMETER
(INCH MILLIMETER)



ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
 (INCH / MILLIMETER)

CGVGC20 SERIES, ASS'Y NO. 82906
 INPUT AND OUTPUT SHAFT, CLOCKWISE INPUT
 MODEL CGVGC20D WITH 2.27 RATIO SHOWN





ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
 ($\frac{\text{INCH}}{\text{MILLIMETER}}$)

CGVGC20 SERIES, ASS'Y NO. 82906
 INPUT SHAFT ONLY, CLOCKWISE INPUT
 MODEL CGVGC20D WITH 2.27 RATIO SHOWN

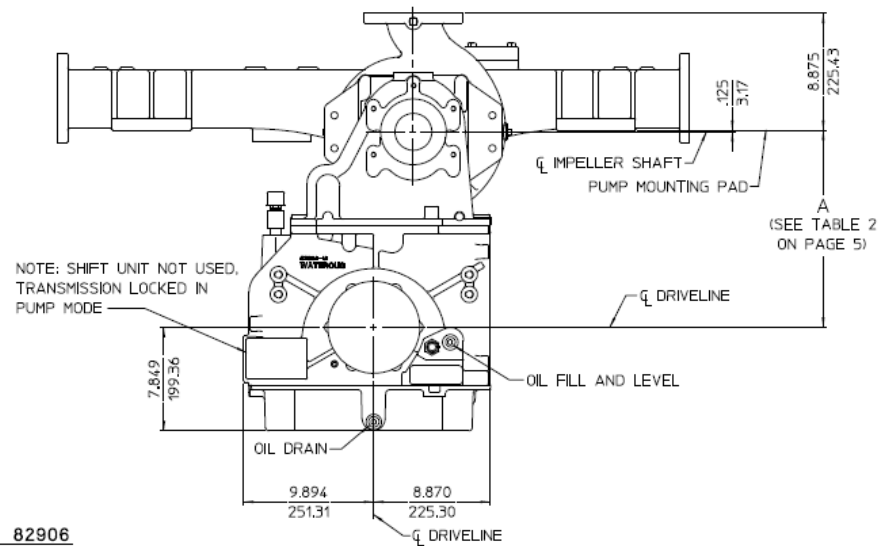
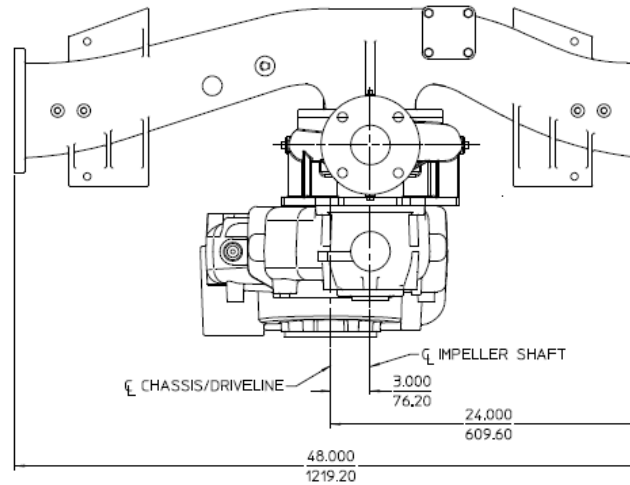


TABLE 1 - AVAILABLE DRIVELINES / MODELS								
DRIVELINE			OPTIONAL END YOKES AND COMPANION FLANGES AVAILABLE FROM WATEROUS				PUMP MODELS	
TYPE	SIZE	SPLINE	YOKE		CROSS AND BEARING KIT	COMPANION FLANGE		
			SPICER SERIES	PART NUMBER		SPICER SERIES		PART NUMBER
EXTRA HEAVY DUTY	2.35 INCH	2.35-46T INVOLUTE	1710 BP	V 2837	V 2839	1480/1610	V 3719	CGVGC20B, CGVGC20C, CGVGC20D, CGVGC20E, CGVGC20F
			1810 BP	V 2838	V 2840			
			1710 HR	V 4101	-	1710/1810	V 3619	
			1810 HR	V 4102	-			
			SPL140	V 3388	V 3389	-	-	

TABLE 2 - AVAILABLE RATIOS					
DRIVE TO DRIVEN RATIO	CGVGC20B	CGVGC20C	CGVGC20D	CGVGC20E	CGVGC20F
	DIMENSION A	DIMENSION A	DIMENSION A	DIMENSION A	DIMENSION A
1.27	12.375/314.33	14.437/366.70	14.950/379.73	16.986/431.44	19.017/483.03
1.41	11.965/303.91	14.024/356.21	15.056/382.42	17.096/434.24	19.127/485.83
1.48	12.451/316.26	14.003/355.68	15.032/381.81	17.076/433.73	19.106/485.29
1.58	12.330/313.18	13.881/352.58	14.913/378.79	16.955/430.66	18.986/482.24
1.69	12.415/315.34	13.964/354.69	15.001/381.03	17.048/433.02	19.086/484.78
1.79	12.083/306.91	14.170/359.92	15.197/386.00	17.252/438.20	19.293/490.04
1.88	12.254/311.25	13.815/350.90	14.842/376.99	16.898/429.21	18.934/480.92
1.97	12.431/315.75	13.995/355.47	15.037/381.94	17.095/434.21	19.137/486.08
2.03	12.021/305.33	14.109/358.37	15.153/384.89	17.211/437.16	19.257/489.13
2.27	12.365/314.07	13.936/353.97	14.981/380.52	17.045/432.94	19.096/485.04
2.46	12.066/306.48	14.167/359.84	15.212/386.38	17.279/438.89	19.330/490.98
2.68	12.294/312.27	13.871/352.32	14.918/378.92	16.990/431.55	19.048/483.82

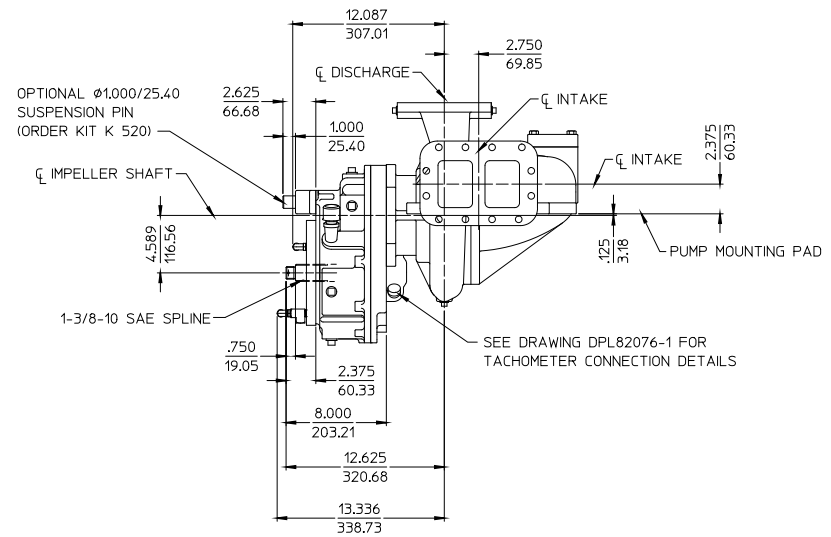
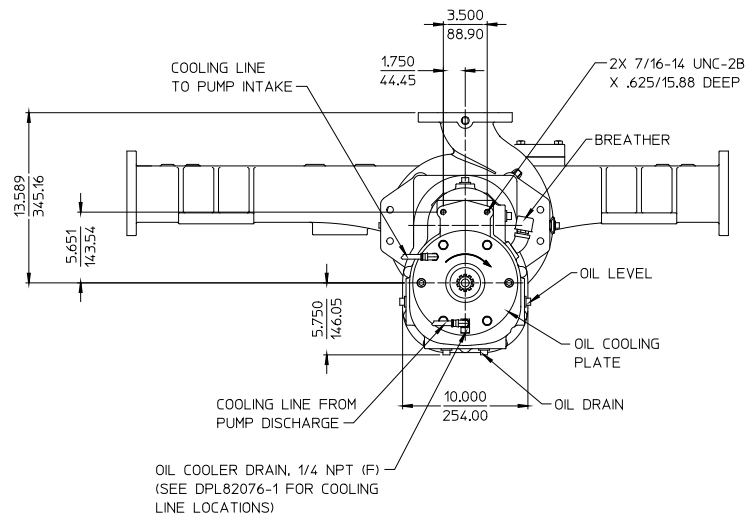
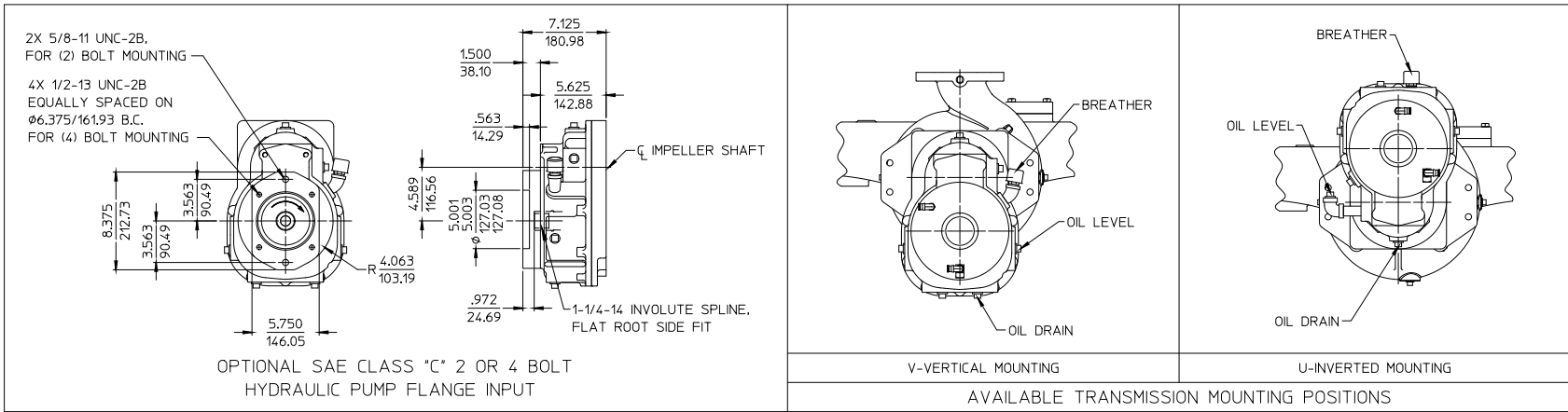
NOTES:

1. SEE DRAWING DPL82994 FOR ADDITIONAL DETAILS OF C20 SERIES TRANSMISSIONS.
2. DRIVELINE, (SPLINE TYPICAL FOR BOTH ENDS) OPTIONAL END YOKES AVAILABLE, SEE TABLE 1.

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

$\left(\frac{\text{INCH}}{\text{MILLIMETER}} \right)$

CGVGC20 SERIES, ASS'Y NO. 82906

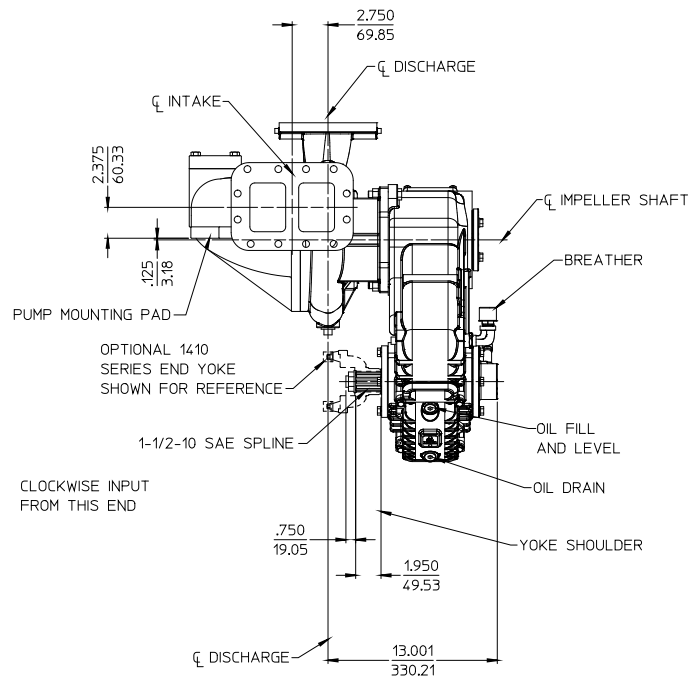


ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
($\frac{\text{INCH}}{\text{MILLIMETER}}$)

MODEL CGVGK, ASSY NO. 82906-2
CLOCKWISE INPUT

TABLE 1 - AVAILABLE AS FOLLOWS							
DRIVELINE		RATIO	DIM A	DIM B	DIM C	DIM D	MODEL
SIZE	SPLINE						
1-1/2 INCH	1-1/2-10 SAE	1.70	11.068 281.13	6.236 158.39	11.288 286.71	4.737 120.32	CGVGPA
		1.90	11.049 280.64	6.255 158.88	11.269 286.24	4.755 120.79	
		2.10	11.019 279.88	6.285 159.64	11.239 285.46	4.786 121.56	

NOTE:
1. SEE DRAWING DPL82080 FOR ADDITIONAL DETAILS OF P SERIES TRANSMISSIONS



ALL DIMENSIONS SHOWN AS INCH/MILLIMETER
($\frac{\text{INCH}}{\text{MILLIMETER}}$)

MODEL CGVGPA, ASSY NO. 82906-3
CLOCKWISE INPUT
MODEL CGVGPA, 2.10 RATIO SHOWN

