

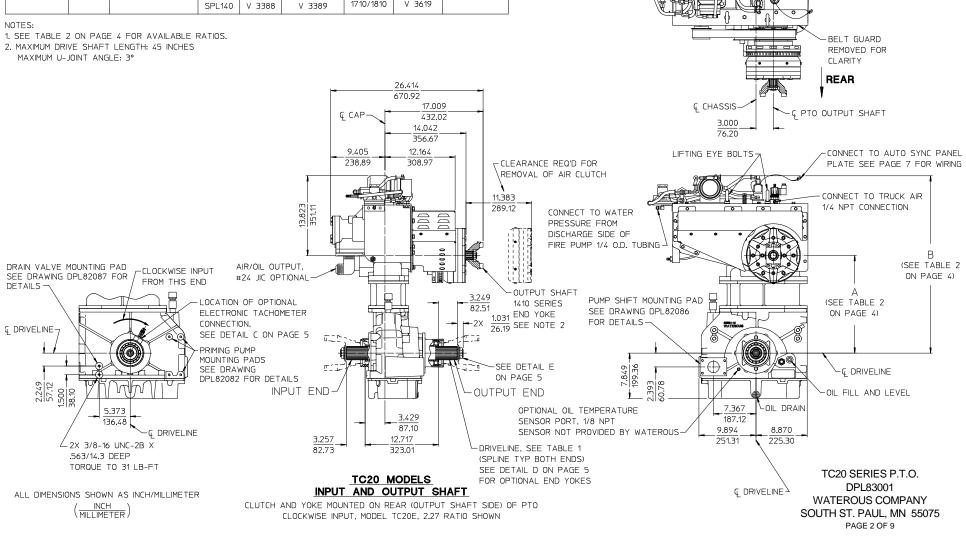
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 DPL83001
 07/21/09
 10/27/15

## TC20 Series P.T.O. with Eclipse ES<sup>™</sup> CAFS Dimensional Drawings

		See Page				
	Item	Input and Out- put Shaft	Input Shaft Only			
TC20 Models		2	3			
Ratio and Drop	Dimensions	4	4			
Optional End Yo	okes and Companion Flanges	5	E			
Electronic Tach	ometer Connection		5			
Mounting Brack	et Attachment Locations	6	6			
Compressor	Electrical and Plumbing Schematics	7	7			
Compressor	Components Shipped Loose	8, 9	8, 9			

TABLE 1 - AVAILABLE DRIVELINES / MODELS									
DRIVELINE			OPTIC AVAILABL	PTO MODELS					
TYPE	SIZE	SPLINE	YOKE		CDOCC AND	COMPANION FLANGE			
			SPICER SERIES	PART NUMBER	CROSS AND BEARING KIT	SPICER SERIES	PART NUMBER	TC20B, TC20C, TC20D,	
EXTRA HEAVY DUTY	2.35 INCH	H 2.35-46T INVOLUTE	1710	V 2837	V 2839	1480/1610	V 3719		
			1810	V 2838	V 2840			TC20E, TC20F	
			SPL140	V 3388	V 3389	1710/1810	V 3619	1 CZ01	



CONNECT TO AIR SUPPLY DOWNSTREAM OF SEPARATOR FILTER AND UPSTREAM OF MIN. PRESSURE VALVE. #4 JIC.

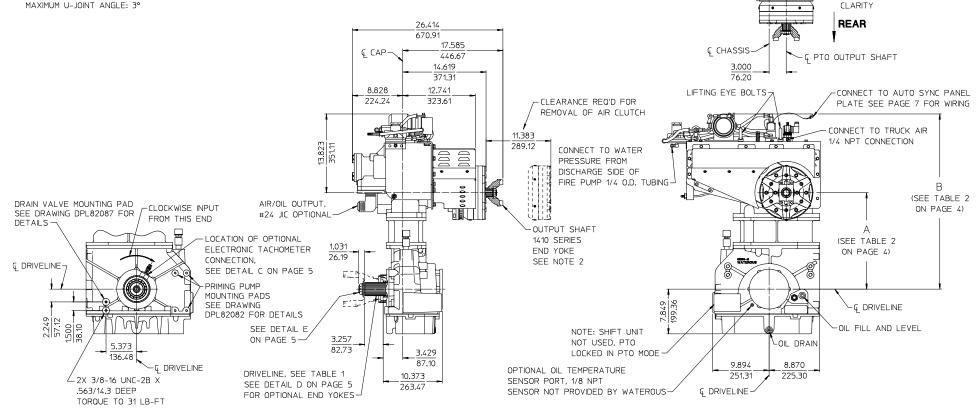
FRONT

SEE PAGE 7-

TABLE 1 - AVAILABLE DRIVELINES / MODELS									
DRIVELINE				OPTIONAL END YOKES AND COMPANION FLANGES AVAILABLE FROM WATEROUS, SEE DETAIL D ON PAGE 5					
	SIZE	SPLINE	AVAILABL	PTO MODELS					
TYPE			YOKE		CROSS AND	COMPANION FLANGE			
			SPICER	PART	BEARING KIT	SPICER	PART	TC20B,	
			SERIES	NUMBER		SERIES	NUMBER	TC20C.	
EXTRA HEAVY DUTY	2.35 INCH	2.35-46T INVOLUTE	1710	V 2837	V 2839	1480/1610	V 3719	TC20D,	
			1810	V 2838	V 2840			TC20E,	
			1010 1 2	1 2030	1 2040		V 3619	TC20F	
			SPL140	V 3388	V 3389	1710/1810			

## NOTES:

- 1. SEE TABLE 2 ON PAGE 4 FOR AVAILABLE RATIOS.
- 2. MAXIMUM DRIVE SHAFT LENGTH: 45 INCHES MAXIMUM U-JOINT ANGLE: 3°



CONNECT TO AIR SUPPLY DOWNSTREAM OF SEPARATOR FILTER AND UPSTREAM OF MIN. PRESSURE VALVE. #4 JIC.

SEE PAGE 7-

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

TC20 MODELS
INPUT SHAFT ONLY

CLUTCH AND YOKE MOUNTED ON REAR (OUTPUT SHAFT SIDE) OF PTO CLOCKWISE INPUT, MODEL TC20E, 2.27 RATIO SHOWN

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**FRONT** 

BELT GUARD

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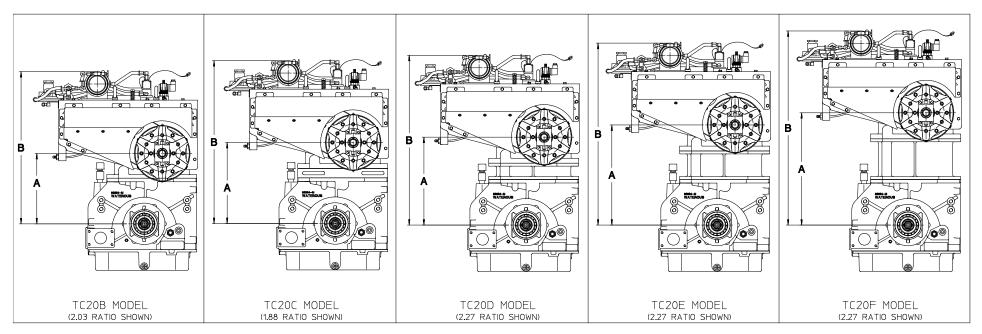
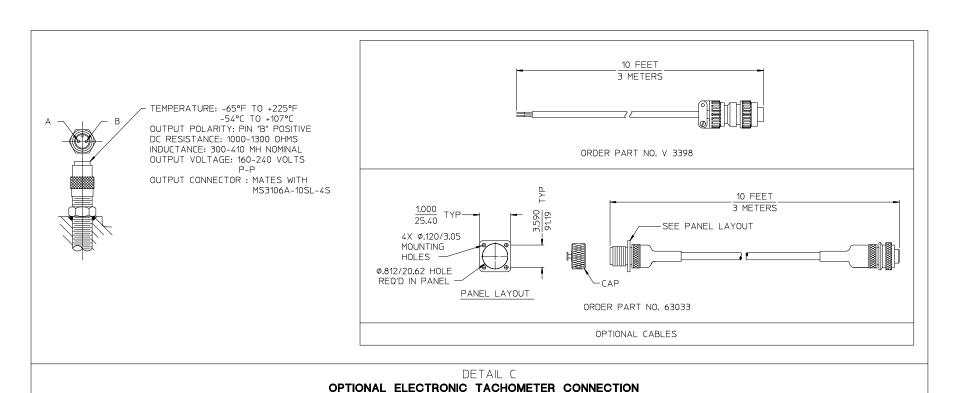


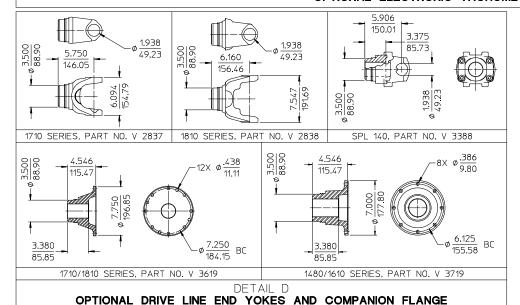
TABLE 2 - AVAILABLE RATIOS										
DRIVE TO			TC20C		TC20D		TC20E		TC20F	
DRIVEN - RATIO	DIMENSION A	DIMENSION B								
1.58	12.205/310.01	26.028/661.12	13.756/349.40	27.579/700.51	14.788/375.62	28.611/726.73	16.830/427.48	30.653/778.59	18.861/479.07	32.684/830.18
1.69	12.290/312.17	26.113/663.28	13.839/351.51	27.662/702.62	14.876/377.85	28.699/728.96	16.923/429.84	30.746/780.95	18.961/481.61	32.784/832.72
1.79	11.958/303.73	25.781/654.84	14.045/356.74	27.868/707.85	15.072/382.83	28.895/733.94	17.127/435.03	30.950/786.14	19.168/486.87	32.991/837.98
1.88	12.129/308.08	25.952/659.19	13.690/347.73	27.513/698.84	14.717/373.81	28.540/724.92	16.773/426.03	30.596/777.14	18.809/477.75	32.632/828.86
1.97	12.306/312.57	26.129/663.68	13.870/352.30	27.693/703.41	14.912/378.76	28.735/729.87	16.970/431.04	30.793/782.15	19.012/482.90	32.835/834.01
2.03	11.896/302.16	25.719/653.27	13.984/355.19	27.807/706.30	15.028/381.71	28.851/732.82	17.086/433.98	30.909/785.09	19.132/485.95	32.955/837.06
2.27	12.240/310.90	26.063/662.01	13.811/350.80	27.634/701.91	14.856/377.34	28.679/728.45	16.920/429.77	30.743/780.88	18.971/481.86	32.794/832.97

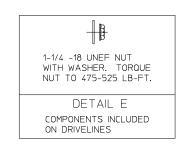
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER  $\left( \begin{array}{c} \text{INCH} \\ \text{MILLIMETER} \end{array} \right)$ 

RATIO AND DROP DIMENSIONS

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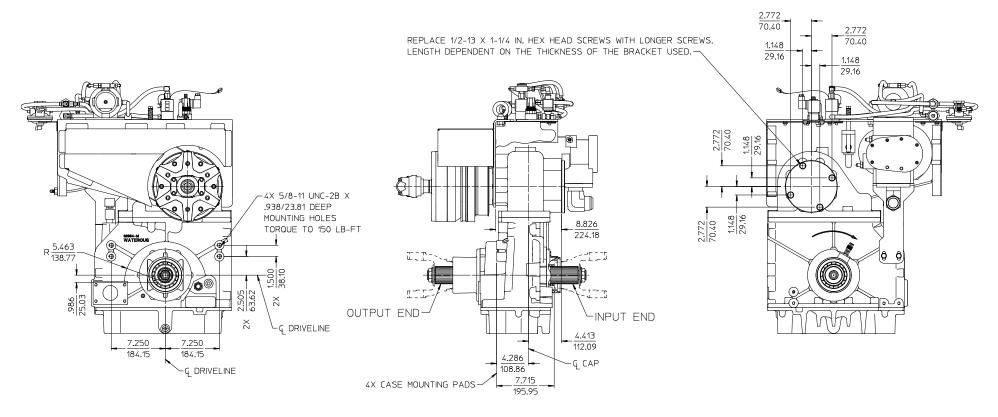






ALL DIMENSIONS SHOWN AS INCH/MILLIMETER  $\binom{\text{INCH}}{\text{MILLIMETER}}$ 

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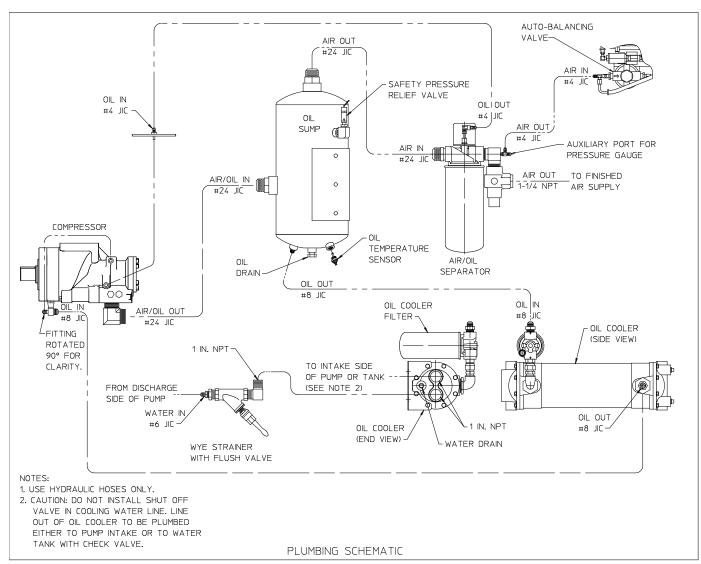


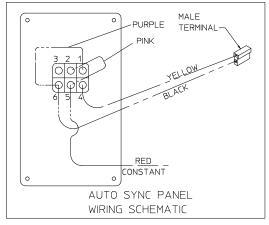
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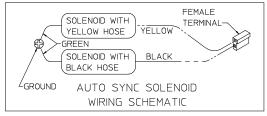
 $\left(\frac{\text{INCH}}{\text{MILLIMETER}}\right)$ 

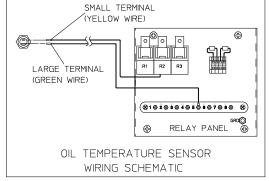
MOUNTING BRACKET ATTACHMENT LOCATIONS

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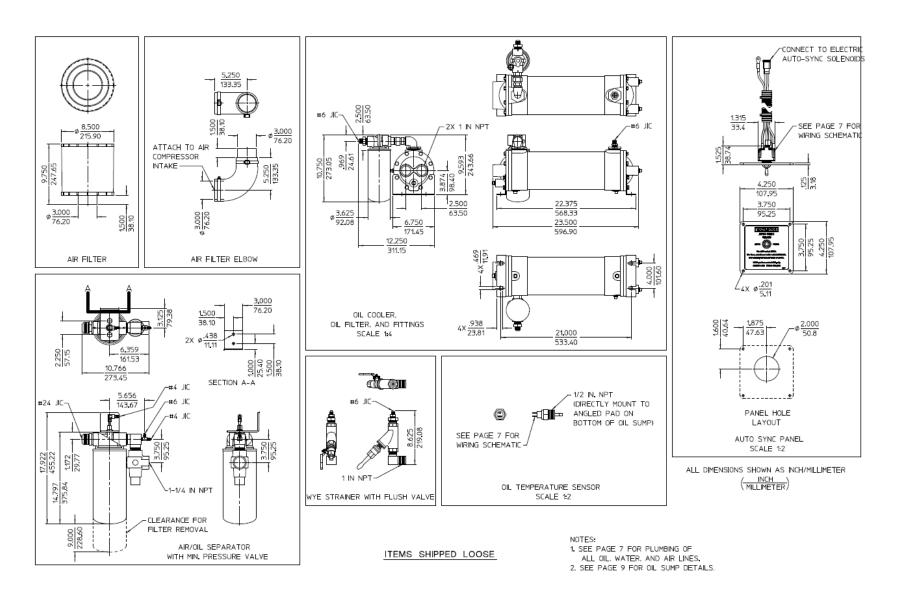




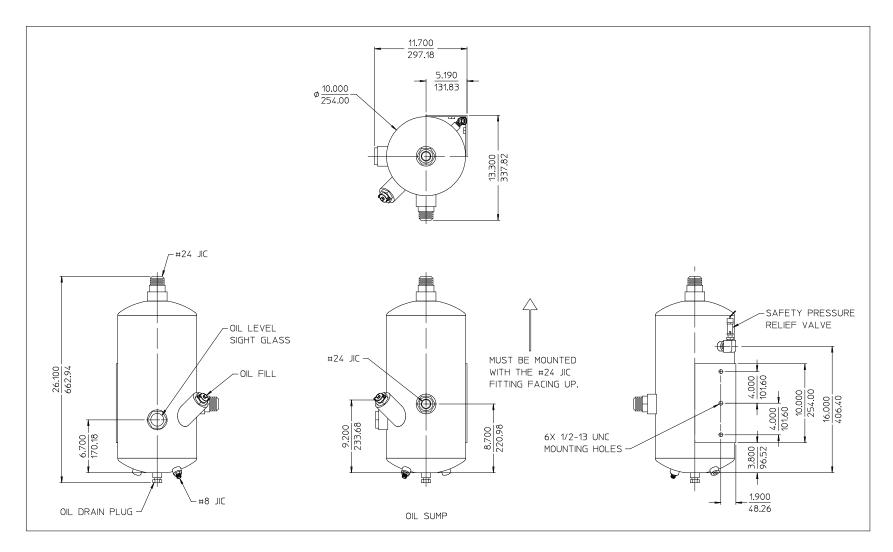
ALL DIMENSIONS SHOWN AS INCH/MILLIMETER ( INCH MILLIMETER )

**ELECTRICAL AND PLUMBING SCHEMATICS** 

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## NOTES:

- 1. SEE PAGE 7 FOR PLUMBING OF ALL OIL, WATER, AND AIR LINES.
- 2. OIL LEVEL IN OIL RESERVOIR SHOULD
  BE AT LOWER ELEVATION THAN COMPRESSOR.
  IF OIL RESERVOIR MUST BE PLACED HIGHER
  THAN COMPRESSOR, CONTACT PNEUMAX FOR
  ADDITIONAL PARTS THAT MUST BE INSTALLED.

## ITEMS SHIPPED LOOSE

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

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