



# DATA SHEET

## WATEROUS TML SERIES POWER TAKE-OFF

---

---

### **PARKING BRAKE** (Continued)

#### **Brake Specifications**

12 x 3    Shaft size: 2 in.  
          Drum diameter: 12 in.  
          Drum width: 3 in.  
          Lining area: 83 sq in.  
          Static torque capacity: 7500 ft-lb

**NOTE:** Parking brake is not available on certain TML models, see driveline option availability table on page 3.

### **SHIFT ASSEMBLY**

NOTE: Waterous has two methods of shifting TML series PTO's from disengaged to engaged as follows:

#### **Manual**

The shift arm position is changed manually through a series of linkages (Waterous does not supply linkage). Indicating lights are available to indicate completed shift.

#### **Electric**

An electric actuator changes the shift arm position by means of an in-cab mounted switch. Indicating lights are available to indicate completed shift. Manual override linkage may be attached to shift arm. Waterous does not supply linkage.

Specify shift assembly as follows:

**Shift Type:** Manual or electric

#### **Indicating Lights**

Manual           With complete or without

Electric           With complete or provision only (OEM to provide)

**System Voltage:** 12 volt only available

### **MISCELLANEOUS**

Optional companion flanges, available as follows:

1500 series 4-bolt for 1-3/4-10 SAE driveline

1600 series 8-bolt for 1-3/4-10 SAE driveline

1700 series 8-bolt for 2-10 SAE driveline

# DATA SHEET

## WATEROUS TML SERIES POWER TAKE-OFF

Table 1. TML Models

Type	Output Shaft		Model	Dimensional Drawing
	Rear (Location 1)	Front (Location 2)		
Single	1350 Series End Yoke	-	TML-1CA	DPL80354
	-	1350 Series End Yoke	TML-2CA	
Double	1350 Series End Yoke	1350 Series End Yoke	TML-1CA2CA	

Table 2. Driveline Options

Model	1-3/4 in. Driveline					2 in. Driveline							
	Tach-ometer	Speed-ometer	Electric Shift	Parking Brake		Tach-ometer	Speed-ometer	Electric Shift	Parking Brake				
				9 x 3	12 x 3				2-10 SAE		2-38T Involute		
									9 x 3	12 x 3	9 x 3	12 x 3	
TML-1CA	*	*	*	N/A	N/A	*	N/A	*	N/A	N/A	N/A	N/A	N/A
TML-2CA	*	*	*	N/A	N/A	*	N/A	*	N/A	*	N/A	*	*
TML-1CA2CA	*	*	*	N/A	N/A	*	N/A	*	N/A	N/A	N/A	N/A	N/A

**NOTES:**

1. \* Indicates an available combination.
2. N/A indicates not available or not workable.
3. Speedometer connection not available on 2 in. drivelines.

Table 3. Ratio Horsepower Ratings

RATIO	OUTPUT SHAFT SPEED (rpm)							
	200	500	1000	1500	2000	2500	3000	3500
0.71	45	80	140	150	150			
0.88	40	75	130	145	150	150		
1.04	35	70	120	135	145	150	150	
1.29	30	65	110	130	140	150	150	150
1.59	27	58	95	127	137	147	150	150

**NOTE:** For over-hung belt or chain drives, special construction may be necessary; consult Waterous Company.