



EXTERNAL SUPPORT RESOURCE

TITLE: ROLLER PUMP SPEED TABLE
 NAME: ESR-026 | ISSUE DATE: 22 May 2019 | REVISION: 2

PURPOSE:

This support resource is put in place to show the operational speeds, shaft rotation, power and flow for each roller pump that is built and sold by Delavan Ag Pumps.

TOOLS REQUIRED:

N/A

PROCEDURE:

	4900C & 4900DSS Clockwise Rotation Gas Engine/Electric			6900C & 6900DSS Counter-Clockwise Rotation Gas Engine/Electric			7900C & 7900DSS Counter-Clockwise Rotation PTO			8900C & 8900DSS Counter-Clockwise Rotation PTO		
				6900C-R & 6900DSS-R Clockwise Rotation PTO						8900C-R & 8900DSS-R Clockwise Rotation Gas Engine/Electric		
PSI	1800 RPM	2200 RPM	2600 RPM	540 RPM	1000 RPM	1200 RPM	540 RPM	650 RPM	850 RPM	540 RPM	850 RPM	1000 RPM
0	6.3	7.7	9.2	10.5	19.6	22.8	15.2	17.7	22.5	13.0	20.2	24.0
20	5.8	6.9	8.5	9.7	19.0	22.0	14.5	17.0	21.8	12.4	19.8	23.2
40	5.0	6.2	7.9	8.6	18.4	21.3	13.6	16.2	21.0	11.6	19.1	22.4
60	4.4	5.2	7.2	7.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
80	3.8	4.8	6.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
100	3.4	4.4	5.6	3.0	11.5	15.8	12.0	15.0	20.0	10.6	18.6	21.8

Table 1: Approximate Flow Rates Based on RPM Speeds of Roller Pumps

1. Note that the numbers in table 1 are approximates. Pumps may be ran at different RPM's that specified in table 1, but doing so will change performance of pump.
 - a. Use caution when using slower than specified RPM's that pump does not run dry as pump failure will occur.
 - b. It is not recommended to run pumps at higher than specified speeds and doing so may result in damage to pump.
2. Flow rates do not always decrease or increase linearly with RPM decreases.
3. If the flow specification you are looking for is not specified, please contact Delavan representative to be assisted in obtaining desired information.