



Weight (lbs)	DA	120.6
	SR	133.5
Volume (in <sup>3</sup> per 90°)	CW	984.3
	CCW	717.0
Cycle Time (seconds per 90°)	DA	7.0
	SR	7.0

3R2400 Output Torque (in\*lbs) per Air Supply (psi)

Springs per Side		Spring Torque		40 psi		60 psi		80 psi		100 psi		120 psi	
		End	Break	End	Break	End	Break	End	Break	End	Break	End	Break
		2	2,755	3,719	5,225	6,190	9,698	10,662	14,170	15,134	18,642	19,607	-
3	4,132	5,579	3,366	4,813	7,838	9,285	12,310	13,757	16,783	18,229	-	-	
4	5,509	7,438	1,506	3,435	5,979	7,908	10,451	12,380	14,923	16,852	-	-	
5	6,886	9,298	-	-	4,119	6,530	8,591	11,003	13,063	15,475	-	-	
6	8,264	11,157	-	-	2,259	5,153	6,732	9,625	11,204	14,098	-	-	
<b>Double Acting</b>		-		8,945		13,417		17,889		22,361		26,834	

Direct Acting:  
 Pressure at port P1 will result in a clockwise rotation  
 Pressure at port P2 will result in a counter-clockwise rotation  
 Reverse Acting:  
 Pressure at port P1 will result in a counter-clockwise rotation  
 Pressure at port P2 will result in a clockwise rotation

NOTES: Accessory mounting holes are not intended for Manual Gear Overrides or Stop Blocks. Cycle times are under no load conditions. Air line size, air capacity, and valve torque characteristics affect these cycle times. Faster or slower cycle times can be accomplished using special control components.



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DRAWN BY KWT CHECKED BY NPM RELEASED BY NPM  
 DATE 08/18/21 DATE 08/18/21 DATE 08/18/21

VALVES, ACTUATORS, AND AUTOMATION CONTROLS

SHEET 1 of 1

DO NOT SCALE DRAWING

DESCRIPTION  
 3R2400 DIMENSIONAL DRAWING AND TORQUE DATA

MATERIAL

DRAWING NO.

P03938

REVISION

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