



## PCL Series Swing Motors

### Specification

Model	Available Gear Ratio	Available Hyd.Motor Displacement (Lo/Hi mode) in <sup>3</sup> / rev ( cm <sup>3</sup> / rev )	Max.Final Displacement (Lo mode) in <sup>3</sup> / rev ( cm <sup>3</sup> / rev )	Max.Output Torque ( Theoretical Value ) lb-in ( N - m )	Note 1 Hydraulic Motor ( Piston motor )			Example of Pinion Gear Specification	Available Hydraulic Valve S: Standars O: Optional	Weight
					Max. Operating Pressure PSI ( kgf / cm <sup>2</sup> )	Max.Speed ( Theo. ) (Hi mode) RPM	Optional Parking Brake Torque lb-in ( N - m )			
PCL-25	1 : 7.9	1.35 ( 22.1 )	10.62 ( 174 )	2260 ( 255 )	2571 ( 178 )	1500 (ALL)	N / A	M = 4.5 Z = 11 X = 0.3	Shockless Relief Valve (S)	51 ( 23 )
PCL-50	1 : 18	0.76 ( 12.5 )	16.78 ( 275 )	5475 ( 618 )	3000 ( 206 )		243 ( 27.5 )	M = 4 Z = 15 X = 0.3	Shockless Relief Valve (S)	62 ( 28 )
	1 : 20.7	1.14 / 0.69 ( 18.6 / 11.4 )								
PCL-120	1 : 17.7	1.35 ( 22.1 )	23.86 ( 391 )	11298 ( 1275 )			565 ( 63.7 )	M = 7 Z = 9 X = 0.5	Shockless Relief Valve (S)	88 ( 40 )
PCL-200	1 : 18.4	1.61 ( 26.4 )	48 ( 791 )	18599 ( 2099 )		860 ( 97.1 )	M = 6	Shockless Relief Valve (S)	132 ( 60 )	
	1 : 19.8	1.83 ( 30.0 )					Z = 16	Bypass valve (O)		
	01:23.4	1.95 ( 32.0 )					X = 0.4	Brake Timer Valve (O)		
		2.06 ( 33.8 )								

Note 1: Maximum operating pressure could be limited by capacity of shockless relief.

Note 2: Multiply this value by gear ratio to get final brake torque.

**NACHI AMERICA Inc.**  
**17500 Twenty-Three Mile Road**  
**Macomb, MI 48044**  
**Phone: 800-622-4410**  
**Fax: 586-226-5289**