



PHV Series Wheel Motors for Track Drives

(Single speed type - PHK series is also available)



Specifications

Model	Available Gear Ratio	Available Hyd.Motor Displacement (Lo/Hi mode)	Max.final Displacement (Lo mode)	Note.1, 2		Note 1	Note 2	Note 3	Note 4	Note 5 see below	Weight (kg)
				Max.Output Torque (Theoretical value)		Hydraulic Motor (Piston motor)			Optional Parking Brake Torque	Optional Relief Valve S: Shockless type R: Surge Suppressor	
				Intermittent (Lo mode)	Continuous (Lo mode)	Max. Operating Pressure	Max.Speed (Theo.) (Hi mode)	Max. Speed (Hi mode)			
in ³ / rev (cc / rev)	in ³ / rev (cc / rev)	lb-in (N - m)	lb-in (N - m)	PSI (kgf / cm ²)	RPM	lb-in (kgf - m)					
PHV- 80	1 : 25.3 1 : 37.0	0.58 / 0.29 (9.5 / 4.7) 0.70 / 0.35 (11.4 / 5.8)	28.07 (460)	8256 (932)	4128 (466)	3000 (210)	3000	174 (19.6)	R	38 (17)	
PHV-120		0.76 / 0.38 (12.4 / 6.2)		12080 (1363)	6040 (682)						
PHV-190	1 : 31.0 1 : 39.0	0.98 / 0.52 (16.1 / 8.5) 1.05 / 0.52 (17.2 / 8.5)	40.95 (671)	19207 (2167)	9604 (1084)	3571 (250)	3500	235 (26.5)	S,R	53 (24)	
PHV-290	1 : 36.5 1 : 45.2	1.14 / 0.70 (18.6 / 11.4) 1.31 / 0.67 (21.5 / 10.9) 1.31 / 0.80 (21.5 / 13.1) 1.35 / 0.67 (22.1 / 10.9)	65.11 (1067)	32678 (3687)	16339 (1844)						
PHV-390	1 : 40.6 1 : 52.7	1.44 / 0.73 (23.6 / 12.0) 1.44 / 0.79 (23.6 / 12.9)	75.91 (1244)	40848 (470)	20424 (2305)						
PHV-500	1 : 36.8 1 : 47.5	1.75 / 1.06 (28.6 / 17.4) 2.15 / 1.29 (35.3 / 21.2)	102.34 (1677)	53102 (5992)	26551 (2996)		435 (49.0)	S	121 (55)		
PHV-900	1 : 64.3	2.34 / 1.36 (38.3 / 22.3)	175.26 (2872)	84302 (9512)	42151 (4756)		521 (58.8)			(Standard)	190 (86)

Note 1: Actual torque at 10rpm should be Approx. 86% of theoretical value.

Note 2: Intermittent means less than 7% of operating time.

Note 3: Actual speed less than 1400psi is 96% of theoretical value.

Note 4: Multiply this value by gear ratio to get final brake torque.

Note 5: Hydraulic counter-balance valve is standard for all models.

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