

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
				Max.Output Torque (Theoretical value)		Intermittent (Lo mode)	Continuous (Lo mode)	Hydraulic Motor (Piston motor)			
				Max. Operating Pressure	Max.Speed (Theo.) (Hi mode)			Optional Parking Brake Torque	Optional Relief Valve S: Shockless type R: Surge Suppressor		
		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)		lb (kg)	
PHV- 80	1 : 25.3 1 : 37.0	0.58 / 0.29 (9.5 / 4.7)	28.07 (460)	8256 (932)	4128 (466)	3000 (210)	3000	174 (19.6)	R	38 (17)	
PHV-120		0.70 / 0.35 (11.4 / 5.8)									
		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			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)				235 (26.5)	S,R	79 (36)
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)						95 (43)
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)		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)	S (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.