

PERMANENT MAGNET, COLD ROTOR

COMPACT SIZE WITH LOW ROTOR INERTIA

STABLE BALANCING

SPEED RANGE TO 50000 RPM

REDUCED MAINTENANCE

HIGH TORQUE AT ZERO SPEED

POSITIONING CAPABILITY

Servo Motors Synchronous Water Cooled Spindle Motors

The HW servomotors are water-cooled Brushless Synchronous motors delivered as individual components (rotor, stator and resolver) to make a complete spindle unit. These motors are driven by Digivex DPD or DPM series servo drives.

SERVO DRIVES

HW SPINDLE MOTORS - for use with 480 VAC Digivex Series Drives

Motor Type	Digivex Drive	Torque (S1/S3)	Torque (S1-S3)	Power (S1/S3)	Power (S1/S3)	Base Speed RPM	Max Speed RPM	Diameter Inch
		Nm	lb-in	kW	HP			
HW420BU	8/16	4.2	37.1	2.7	3.6	6130	50000	3.9
HW420BP	16/62	4.2	37.1	5.7	7.6	13000	50000	3.9
HW420BK	32/64	4.2	37.1	11.7	15.6	26600	50000	3.9
HW430BQ	16/32	6.7	59.3	5.5	7.3	7840	50000	3.9
HW430BL	32/64	6.7	59.3	11.5	15.4	16400	50000	3.9
HW430BI	50/80	6.7	59.3	18	24	25700	50000	3.9
HW620CN	16/32	8.3/10	73.5/88.5	4.8/5.8	6.4/7.7	5540	30000	5.1
HW620CI	32/64	8.3/10	73.5/88.5	10/12	13/16	11500	30000	5.1
HW635CI	32/64	15/18	132/159	10/12	13/16	6310	30000	5.1
HW635CF	50/80	15/18	132/159	15/18	20/24	9550	30000	5.1
HW820RR	32/64	21.5/26	190/230	8.3/10	11/13	3670	24000	7.1
HW820RP	50/80	21.5/26	190/230	13/16	17/21	5870	24000	7.1
HW820CR	32/64	25.8/31	228/274	10/12	13/16	3690	18000	7.1
HW820CP	50/80	25.8/31	228/274	15.6/19	20/25	5760	18000	7.1
HW840CR	32/64	57.3/66	507/584	10/11.5	13/15	1660	18000	7.1
HW840CP	50/80	57.3/66	507/584	15.7/18	21/24	2610	24000	7.1
HW840CH	100/120	57.3/66	507/584	33/38	44/50	5450	24000	7.1
HW840CF	150	57.3/70	507/619	42/51	56/68	7020	20000	7.1
HW930CJ	100/120	112	991	35	46	3020	20000	8.7
HW930CI	100/120	102	902	40	53	3700	20000	8.7
HW930CF	150	102	902	60	80	5620	20000	8.7
HW930CE	200	112	991	72	96	6180	20000	8.7
HW930CC	300	102	902	120	160	11200	20000	8.7
HW950CJ	100/120	186	1646	35	46	1800	20000	8.7
HW950CI	100/120	170	1504	39	52	2190	20000	8.7
HW950CF	150	170	1504	60	80	3370	20000	8.7
HW950CE	200	186	1646	73	97	3770	20000	8.7
HW950CC	300	170	1504	120	160	6850	20000	8.7
HWA30DN	50/80	260	2301	17	22	630	12000	10.6
HWA30DF	100/120	260	2301	37	49	1370	12000	10.6
HWA30DD	150	260	2301	58	77	2120	12000	10.6
HWA30DC	200	260	2301	78	104	2860	12000	10.6
HWA30DB	300	260	2301	117	156	4300	12000	10.6
HWA50DG	100/120	430/510	3805/4513	27/31	36/41	580	12000	10.6
HWA50DF	100/120	430	3805	36	48	800	12000	10.6
HWA50DD	150	430	3805	56	75	1250	12000	10.6
HWA50DC	200	430	3805	77	103	1720	12000	10.6
HWA50DB	300	430	3805	118	158	2610	12000	10.6
HWB20HH	150	575	5089	54	72	890	8000	13.3
HWB30HJ	150	940/1070	8319/9470	42/42	56/56	425	7000	13.3
HWB40HE	300	1250/1400	11063/12391	78/87	104/116	595	8000	13.3



Other Servo Motor Designs

AXEM - DISK ROTOR SERVOMOTORS FROM 0.14 TO 22.9 Nm

RX - THE ECONOMICAL DC BRUSH SOLUTION FROM 0.3 TO 8 Nm

RS - THE HIGH PERFORMANCE DC BRUSH RANGE FROM 0.05 TO 13 Nm

AXL - THE COMPACT MOTOR/REDUCER COMBINATION

XD - FOR USE IN HAZARDOUS ENVIRONMENTS

CUSTOMIZED MOTORS WITH SPECIAL CABLES, CONNECTORS, FEEDBACK, WINDINGS, FLANGES, ETC.