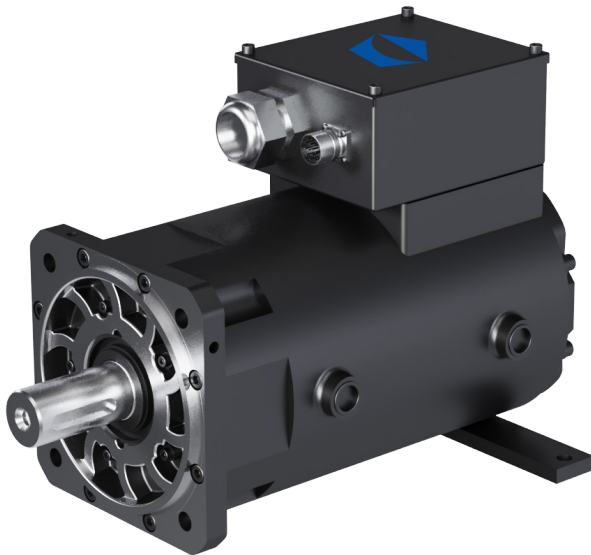


Liquid-Cooled SERIES

Medium-high power permanent magnet servo motor

POWER: 8.6-369kW

Frame: H132-280



Structure

- Stator: The stator is the stationary part of the motor, made of a coil of wire.
- Rotor: The rotor is the rotating part of the motor, made of a permanent magnet.
- Controller: The controller is the part that supplies power to the motor and controls the speed and position of the rotor.

Product advantages

- Strong overload capability

The motor can achieve up to 2.5 times the rated torque at its rated speed.
 - Overload & Overheat Protection

Built-in dual temperature sensors enable simultaneous temperature monitoring and overload protection.
- High Protection Level

The entire product line meets the IP54 protection standard as a standard feature. Higher protection levels, such as IP68, are available upon request.
 - High Torque Density

The motor achieve a torque density approximately 10% higher than that of competing products on the market.

Applications

- CNC machines: For accurately controlling the positioning of cutting tools.
- Automated manufacturing: In assembly lines and packaging machinery that require high accuracy and repeatability.
- Aerospace: For controlling aircraft components, such as flaps and landing gear.
- Hobby projects: Small servos are used in radio-controlled cars, airplanes, and toy robots.

Technical Data

Motor Type	Rated Power	Rated Speed	Efficiency	Current	Torque	Moment of inertia(J)	Approx WT
	kW	RPM	%	A	Nm	Kg-m ²	Kg
HN-18C0615K3-XXXX	8.6	1500	90.73	17.7	55	5.8	40
HN-18C0617K3-XXXX	9.8	1700	91.18	19.8	55	5.8	40
HN-18C0620K3-XXXX	11	2000	91.6	22.2	53	5.8	40
HN-18C0915K3-XXXX	15	1500	92.1	30	96	7.2	43
HN-18C0917K3-XXXX	16.6	1700	92.38	33	93	7.2	43
HN-18C0920K3-XXXX	18.5	2000	92.8	38	88	7.2	43
HN-18C1215K3-XXXX	19.5	1500	92.71	40	124	8.6	46
HN-18C1217K3-XXXX	22	1700	93.1	42.1	124	8.6	46
HN-18C1220K3-XXXX	25.3	2000	93.41	51.1	121	8.6	46
HN-18C1615K3-XXXX	24.2	1500	93.16	47.2	154	10	49
HN-18C1617K3-XXXX	27.2	1700	93.45	57.7	153	10	49
HN-18C1620K3-XXXX	31.4	2000	93.78	61.3	150	10	49
HN-18C1915K3-XXXX	29.5	1500	93.56	59.1	188	11.4	52
HN-18C1917K3-XXXX	32.9	1700	93.78	65.7	185	11.4	52
HN-18C1920K3-XXXX	37	2000	93.7	72.2	177	11.4	52
HN-18C2215K3-XXXX	34.2	1500	93.78	66.4	218	12.8	55
HN-18C2217K3-XXXX	38.3	1700	94.03	79.2	215	12.8	55
HN-18C2220K3-XXXX	44.2	2000	94.37	92.3	211	12.8	55
HN-18C2515K3-XXXX	38.3	1500	93.95	74.7	244	14.2	58
HN-18C2517K3-XXXX	42.7	1700	94.19	81.7	240	14.2	58
HN-18C2520K3-XXXX	49.6	2000	94.54	103.7	237	14.2	58

Technlcal Data

Motor Type	Rated Power	Rated Speed	Efficiency	Current	Torque	Moment of inertia(J)	Approx WT
	kW	RPM	%	A	Nm	Kg-m ²	Kg
HN-25C2815K3-XXXX	44.9	1500	95.4	86.5	286	57.4	93
HN-25C2817K3-XXXX	49.8	1700	95.9	93	280	57.4	93
HN-25C2820K3-XXXX	57	2000	96.6	106.3	272	57.4	93
HN-25C3115K3-XXXX	50.4	1500	95.6	93.6	321	62.7	100
HN-25C3117K3-XXXX	56.1	1700	96.2	108	315	62.7	100
HN-25C3120K3-XXXX	64.1	2000	96.7	118.8	306	62.7	100
HN-25C3515K3-XXXXA	56.1	1500	95.9	108.3	357	68	108
HN-25C3517K3-XXXXA	62.3	1700	96.3	120.4	350	68	108
HN-25C3520K3-XXXXA	71.2	2000	96.9	135	340	68	108
HN-25C3815K3-XXXXA	61.7	1500	96	114.4	393	73.3	115
HN-25C3817K3-XXXXA	68.5	1700	96.5	127.6	385	73.3	115
HN-25C3820K3-XXXXA	78.1	2000	97	144.5	373	73.3	115
HN-25C4215K3-XXXXA	67.2	1500	96.2	129.2	428	78.6	123
HN-25C4217K3-XXXXA	74.8	1700	96.6	136.4	420	78.6	123
HN-25C4220K3-XXXXA	85.2	2000	97.1	156.7	407	78.6	123
HN-25C4515K3-XXXXA	72.9	1500	96.3	138.2	464	83.9	130
HN-25C4517K3-XXXXA	81	1700	96.7	147.1	455	83.9	130
HN-25C4520K3-XXXXA	92.4	2000	97.1	170.9	441	83.9	130
HN-25C4915K3-XXXXA	78.5	1500	96.3	148.9	500	89.2	138
HN-25C4917K3-XXXXA	87.2	1700	96.7	159.2	490	89.2	138
HN-25C4920K3-XXXXA	99.5	2000	97.2	188.6	475	89.2	138
HN-25C5215K3-XXXXA	84.2	1500	96.4	161.8	536	94.5	145
HN-25C5217K3-XXXXA	93.5	1700	96.8	174.1	525	94.5	145
HN-25C5220K3-XXXXA	106.6	2000	97.2	211.2	509	94.5	145
HN-25C5615K3-XXXXA	89.7	1500	96.5	177.2	571	99.8	153
HN-25C5617K3-XXXXA	99.7	1700	96.8	193	560	99.8	153
HN-25C5620K3-XXXXA	113.8	2000	97.3	210.6	543	99.8	153
HN-25C5915K3-XXXXA	94.5	1500	96.5	175	602	105.1	160
HN-25C5917K3-XXXXA	105	1700	96.9	190.6	590	105.1	160
HN-25C5920K3-XXXXA	119.9	2000	97.3	237.7	572	105.1	160

Technlcal Data

Motor Type	Rated Power	Rated Speed	Efficiency	Current	Torque	Moment of inertia(J)	Approx WT
	kW	RPM	%	A	Nm	Kg-m ²	Kg
HN-30C6015K3-XXXXA	94.2	1500	96.19	179.4	600	264.4	329
HN-30C7515K3-XXXXA	117.8	1500	96.46	222.1	750	327.9	364
HN-30C9015K3-XXXXA	141.3	1500	96.64	266.4	900	391.4	408
HN-30C1015L3-XXXXA	165	1500	96.97	338.4	1051	454.9	443
HN-30C1215L3-XXXXA	188.5	1500	97.05	390.9	1200	518.4	478
HN-45C1510L3-XXXX	160	1000	95.93	449.2	1528	1640	680
HN-45C1515L3-XXXX	200	1500	97.08	574	1273	1640	680
HN-45C1710L3-XXXX	185	1000	96.29	540.2	1767	1930	730
HN-45C1715L3-XXXX	250	1500	97.16	708.3	1592	1930	730
HN-45C1910L3-XXXX	200	1000	96.35	575	1910	2070	755
HN-45C1915L3-XXXX	270	1500	97.22	775.1	1719	2070	755
HN-45C2010L3-XXXX	220	1000	96.39	628.8	2101	2220	780
HN-45C2015L3-XXXX	290	1500	97.27	860.1	1847	2220	780
HN-45C2310L3-XXXX	250	1000	96.51	730	2388	2520	830
HN-45C2315L3-XXXX	315	1500	97.39	921.2	2006	2520	830
HN-45C2610L3-XXXX	280	1000	96.57	793.1	2674	2810	880
HN-45C2615L3-XXXX	369	1500	97.41	1093.9	2349	2810	880

