

# SYNCHRONOUS MOTORS IE5+ ENERGY EFFICIENCY

NORD IE5+ synchronous motors are part of a system solution with gear units and inverters from NORD DRIVESYSTEMS and ideal for intralogistics and wash-down-applications.



EFFICIENT

HYGIENIC

COMPACT

Type	Size	Voltage [V]	Stator connection	Frequency [Hz]	M <sub>N</sub> [Nm]	M <sub>N</sub> [lb-in]	n <sub>N</sub> [rpm]	P <sub>N</sub> [kW]	P <sub>N</sub> [hp]	I <sub>400V</sub> [A]	η [%]	cos [φ]	M <sub>max</sub> [Nm]	Peak current [A]	Efficiency class
SK 71T1/8	IEC 71	400	Y	100	1.6	14.16	1500	0.25	0.33	0.73	87.5	0.95	4.8	2.2	IE5+
				140	1.6	14.16	2100	0.35	0.5	0.73	89.6		4.8	2.2	
SK 71T2/8				100	3.2	28.32	1500	0.50	0.75	1.44	91.5		9.6	4.3	
				140	3.2	28.32	2100	0.70	0.9	1.44	92.8		9.6	4.3	
SK 71T3/8				100	4.8	42.48	1500	0.75	1	2.14	92.1		14.4	6.8	
				140	4.8	42.48	2100	1.10	1.5	2.14	93.3		14.4	6.8	

- Power range 0.25 – 1.1 kW (0.33 – 1.5 hp)
- Continuous torque of 1.6 – 4.8 Nm with a speed from 0 – 2,100 rpm
- Flexible motor mounting – direct mount, NEMA and IEC
- Integrated mechanical brake optional
- nsd tupH and IP69K enclosure optional
- Integrated encoder as standard



## nsd tupH Sealed Surface Conversion System

**NORD geared motors with nsd tupH are the optimal choice for use in challenging environmental conditions.**

- Easy to clean surfaces
- Resistant to acids and alkalis (wide pH range)
- Corrosion-resistant – no contact corrosion
- No spreading of corrosion, even if damaged
- No flaking
- Conforms to FDA Title 21 CFR 175.300
- Free from chromates

# NORD DRIVESYSTEMS GROUP



**Headquarters and technology centre**  
in Bargteheide near Hamburg



**Innovative drive solutions**  
for more than 100 branches of industry

## Mechanical products

Gear units



## Electrical products

Motors



## Electronic products

Inverters, motor starters and field distributors



**7 production locations with cutting edge technology**

produce gear units, motors, frequency inverters etc., from a single source – even for complex drive systems.



Gear unit production



Motor production



Inverter production

**Subsidiaries and sales partners**  
in 98 countries on 5 continents

provide local stocks, assembly, production, technical support and customer service.



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**More than 4,000 employees**  
throughout the world  
create customised solutions.



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