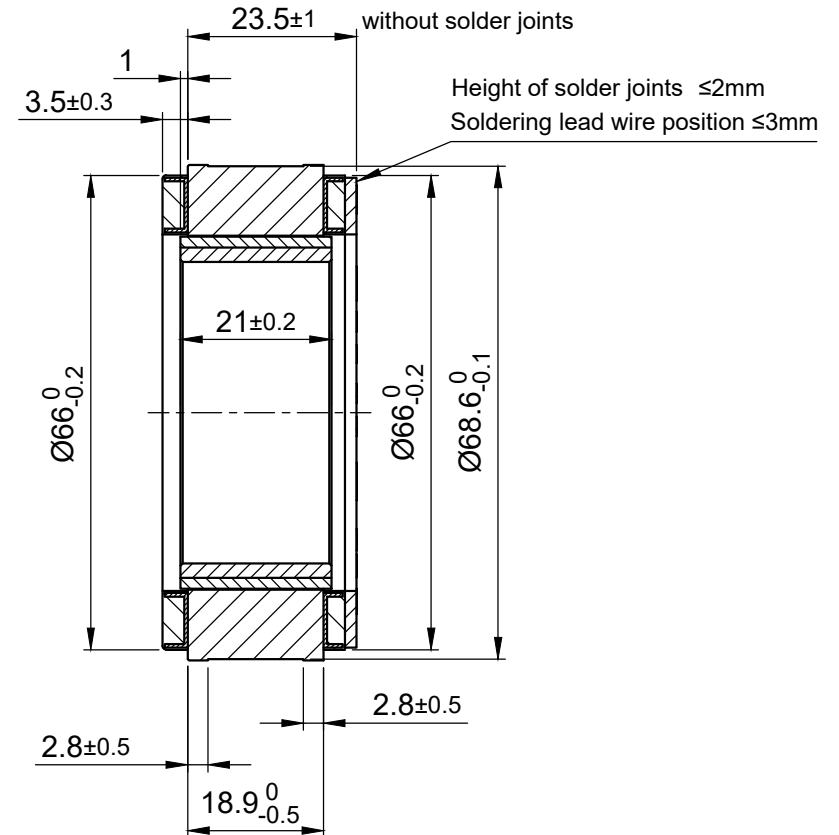
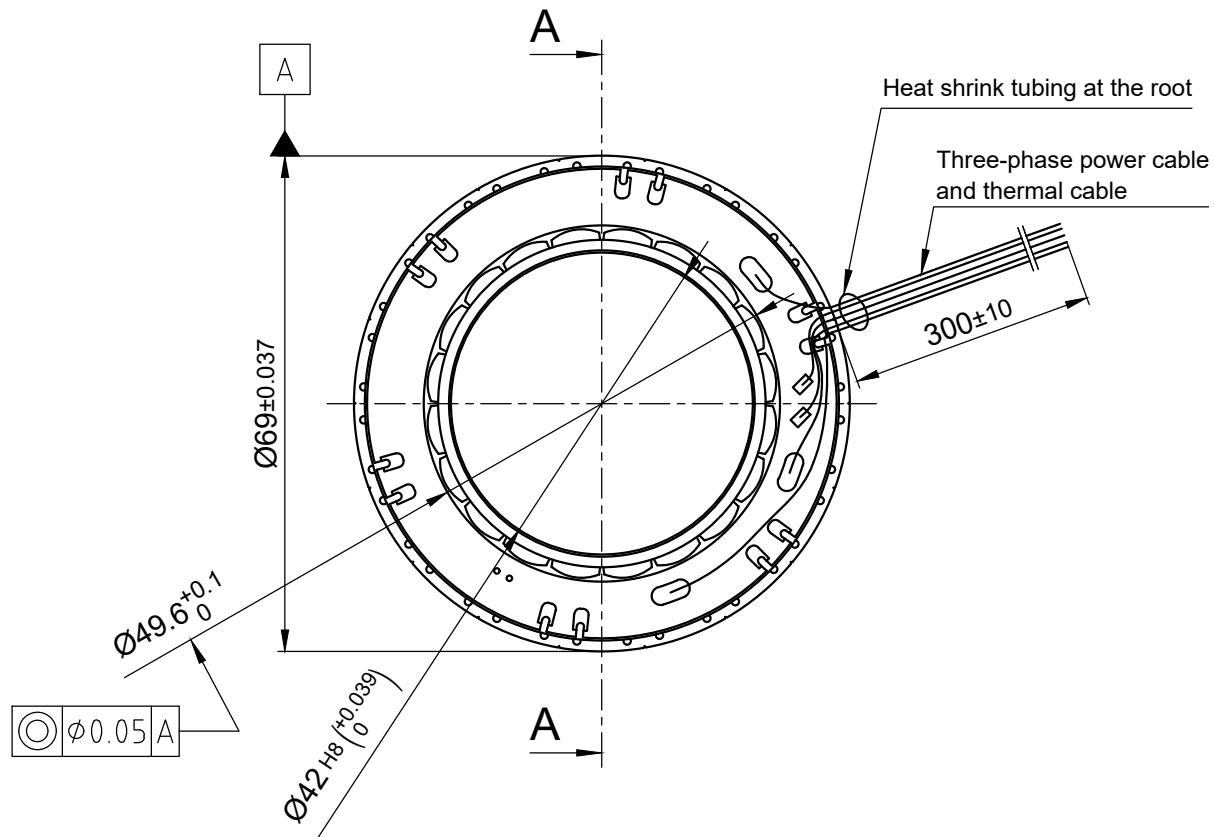


View A-A



MOTOR SPECIFICATION

No. of Poles		20
Rated Voltage	V DC	48
Current - Rated / Peak	A	11 / 27.0
Resistance Line to Line	$\pm 10\% \Omega @ 20^\circ$	0.19
Inductance Line to Line (1kHz)	$\pm 20\% \text{ mH}$	0.18
Torque - Rated / Peak	Nm	1.0 / 3.0
Torque Constant	Nm/A	0.12
Rated Power	W	366
Speed - No Load / Rated	$\pm 10\% \text{ rpm}$	4500 / 3500
Rotor Inertia	kg m ²	37.6 x 10 ⁻⁶

WIRING DIAGRAM

	Colour	Function	Lead Gauge
Motor	YE	U	UL1332 AWG18
	RD	V	
	BK	W	
Thermistor	WH	NTC1	UL1332 AWG26
	WH	NTC2	

Thermistor (NTC): R25: 100kΩ±5%; B25/50: 3950±1%

GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	-20 ... 50
Storage Temperature	°C	-20 ... 85
Max. Temperature Rise (at standstill)	°C	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	MΩ	100 @500VDC
Dielectric Strength (for 1 sec - coil to case)	V AC	1000

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715	
					Date	Name	
				Drawn	12.11.2024	Schneid_A	
				Reviewed	10.02.2025	Reith_S	
				Released	10.02.2025	Reith_S	
01	CR_Nr. 2025-0043	Schneid_A	23.07.2025				
REV	Rev. Text	Name	Date				

	Weight: $\pm 10\%$ 0.30 kg
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State: Released Rev: 01 CONFIDENTIAL