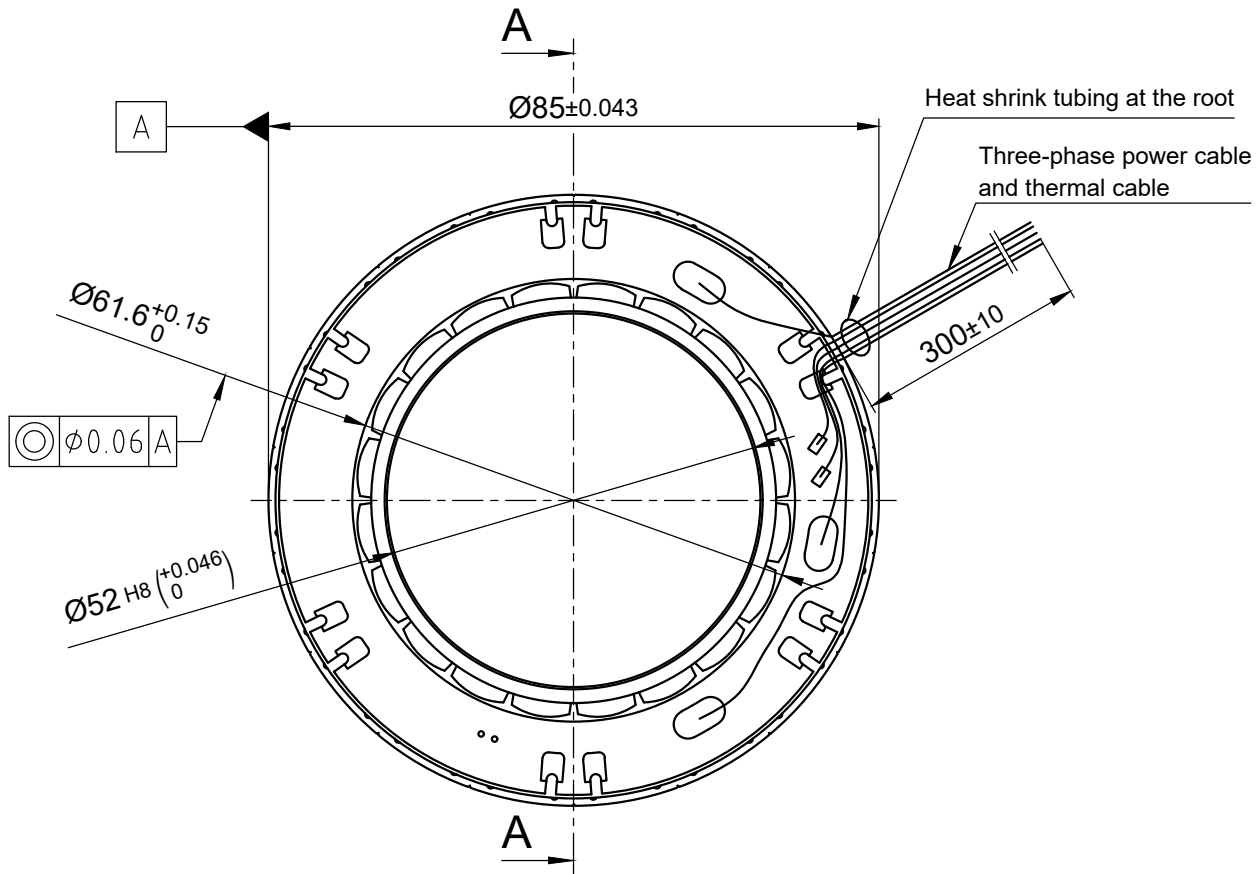
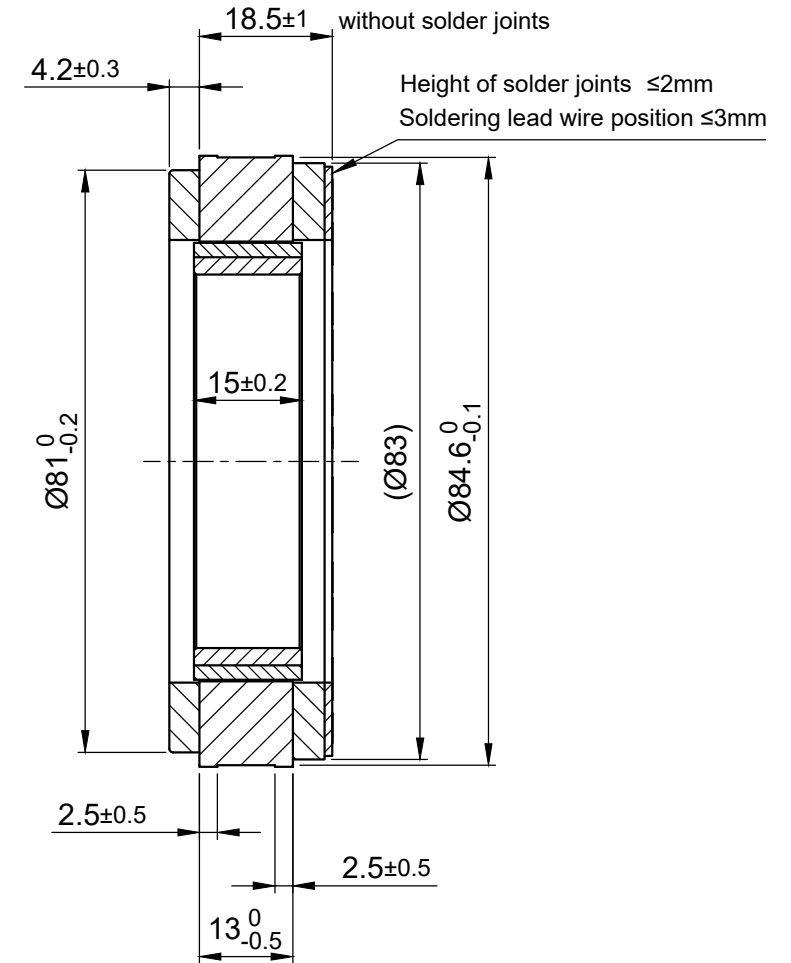




View A-A



MOTOR SPECIFICATION

No. of Poles	20
Rated Voltage	V DC 48
Current - Rated / Peak	A 11 / 27
Resistance Line to Line	$\pm 10\%$ Ω @20° 0.21
Inductance Line to Line (1kHz)	$\pm 20\%$ mH 0.3
Torque - Rated / Peak	Nm 1.2 / 3.6
Torque Constant	Nm/A 0.143
Rated Power	W 370
Speed - No Load / Rated	$\pm 10\%$ rpm 3700 / 2950
Rotor Inertia	kg m ² 64.6 x10 ⁻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: 100k Ω ±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	M Ω	100 @500VDC
Dielectric Strength (for 1 sec - coil to case)	V AC	1000

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715				Weight: ±10% 0.35 kg	
					Date	Name		DKA85M048029			
				Drawn	07.11.2024	Schneid_A					
				Reviewed	10.02.2025	Reith_S					
				Released	10.02.2025	Reith_S					
01	CR_Nr. 2025-0043	Schneid_A	23.07.2025			20002688					
REV	Rev. Text	Name	Date			State: Released		Rev: 01		CONFIDENTIAL	