Common Parts	
Media No.	
Old Drawing No.	
Drawing No.	
Signature	
Date	

Motor Model	140ST-R8A7A	
Motor Power	2.5	kW
DC Bus Voltage	300 (240-350)	VDC
Rated Speed	800	RPM
Max. Speed	1100	RPM
Rated Torque (25°C)	30	N.m
Line Current	13	A
Max. Torque	75	N.m
Max. Current	42	A
Torque Constant (Locked Rotor) ±10%	2.43	N.m/A
Back-EMF Constant ±10%	155	V/kRPM
DC Resistance (25°C) ±10%	0.7	Ω
Rotor Inertia	0.0022	$kg.m^2$
Weight	16.3	kg
Motor Pole Pairs	5	pairs
Resolver Pole Pairs	1	pairs
Insulation Class	H	
Duty Cycle	S2-1h	

Unless otherwise specified:

Tolerance: .X ±0.25; .XX ±0.13

Angular tolerance: ±1°

Power Connector: Y50DX9-1204Z10K+71

Terminal No.	1	2	3	4
Signal	U(C)	V(B)	W(A)	PE

Feedback Connector: Y50X9-08102Z10K+71

Terminal No.	1	2	3	4	5	6	7	8	9	10
Signal	REF+	SIN+	COS+		REF-	SIN-	COS-		KTY84+	KTY84-

Mark	Qty	Change	Sign	Date

Design		Standard	
Checked		Approved	
Reviewed			
Process		Date	

Drawing ID		Rev.	Weight	Scale
	S	A.02		1:1

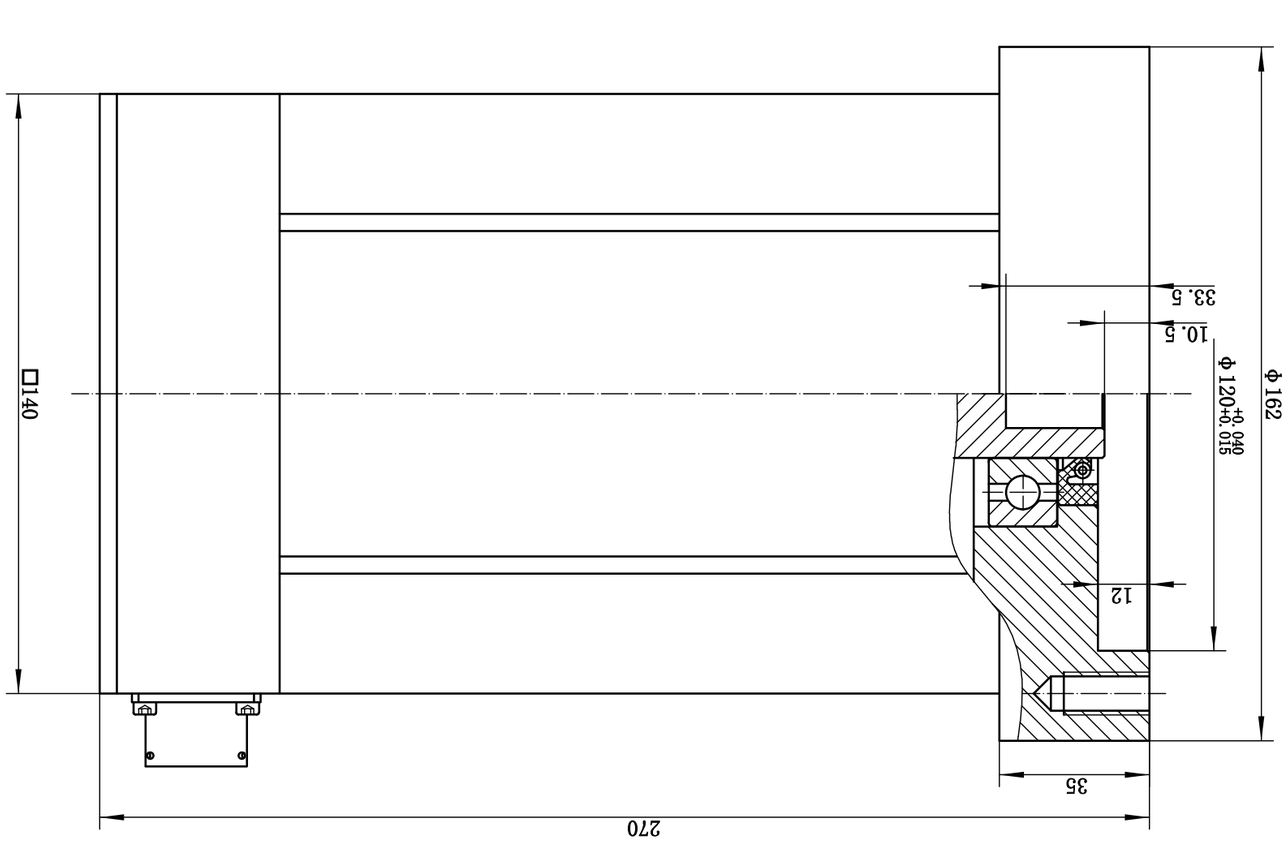
Total: 1 sheet | Sheet 1

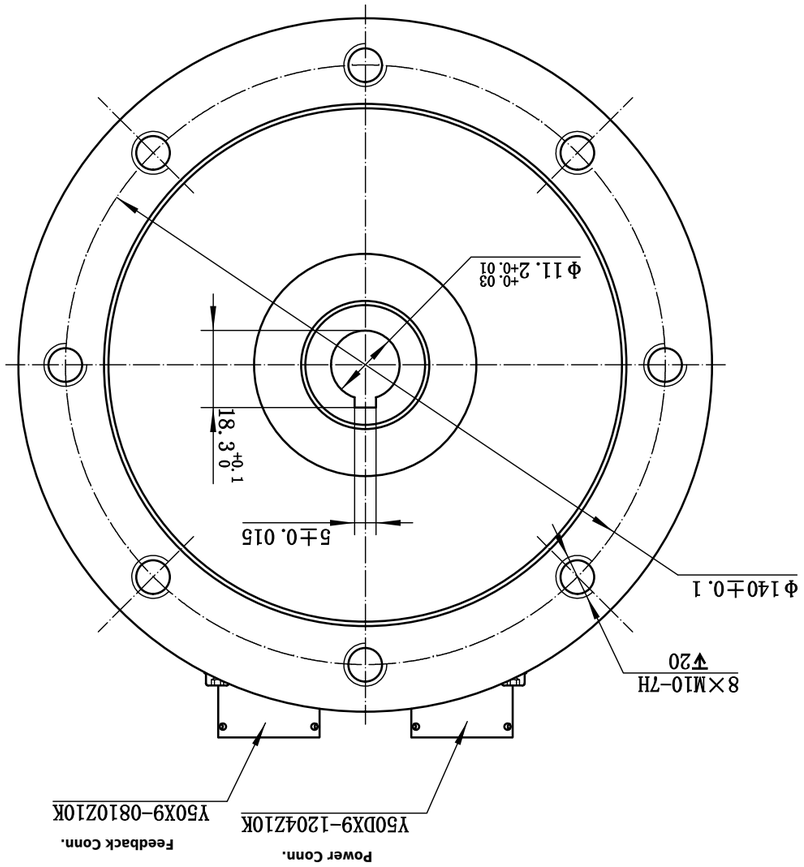
140ST-R8A7A

Cifu Technology

Motor Outline Drawing

BL1.275.113WX





BL1.275.113WX