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

Motor Model	180ST-N20AB-1	
Motor Power	5.5	kW
DC Bus Voltage	220	VAC
Rated Speed	2000	RPM
Max. Speed	2200	RPM
Rated Torque	26.3	N.m
Rated Current	20	A
Max. Torque	50	N.m
Max. Current	40	A
Torque Constant ±10%	1.3	N.m/A
Back-EMF Constant ±10%	–	V/kRPM
DC Resistance (25°C) ±10%	0.25	Ω
Rotor Inertia	0.008	kg.m²
Motor Pole Pairs	5	pairs
Protection Rating	IP67	
Insulation Class	H	
Duty Cycle	S1	
Motor Efficiency	≥92%	
Motor Noise	≤70dB	at 1 m
Operating Frequency	166	Hz

Unspecified tolerances: GB/T 1804, class m

Mark	Qty	Change	Sign	Date

Design		Standard	
Checked		Approved	
Reviewed			
Process		Date	

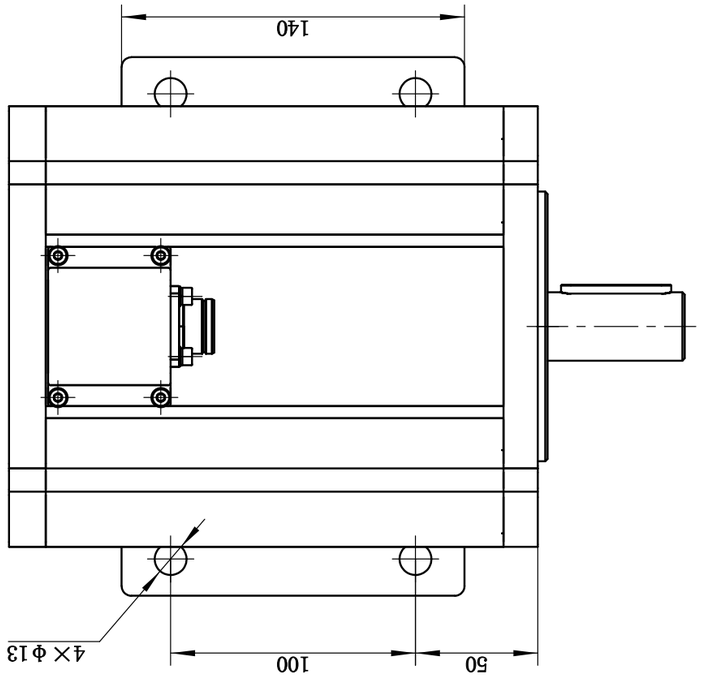
Drawing ID		Rev.	Weight	Scale
	S	A.01		1:2

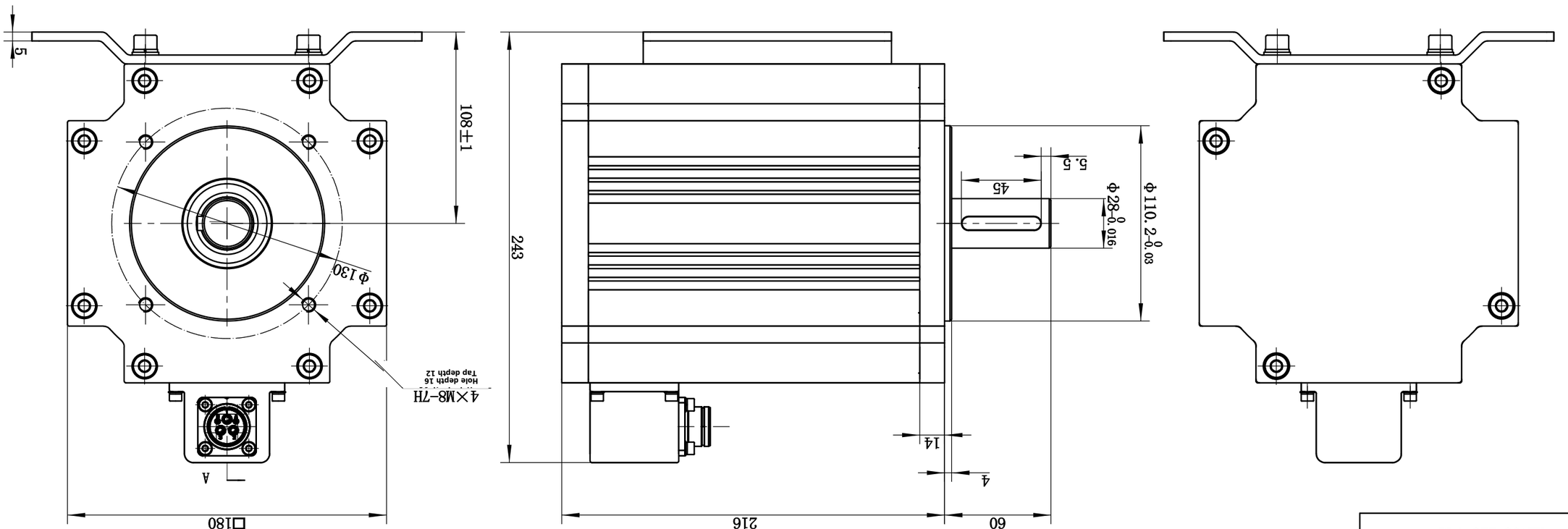
Total: 1 sheet | Sheet 1

180ST-N20AB-1

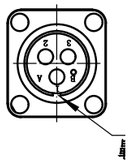
Permanent Magnet Synchronous Motor Outline Drawing

Cifu Technology





Amphenol Connector HVG15403FC Wiring Diagram



BL1.275.201WX