

SPECIFICATION TABLE OF 3-PHASE SQUIRREL CAGE INDUCTION MOTOR	CUSTOMER		USER	
	INQ. NO.		EQUIPMENT	
	JOB NO.		MACHINE	
	TOTAL SETS		ITEM NO.	

Item	Terms	Description				
1	Model	AESV4S				
2	Code or Standard	Dimensions	Frame Assignment	Performance	Test	
		IEC	IEC	IEC	IEC	
3	Rating	18.5kW/25HP 4 Pole 400-415 440-460 Volt 3 Phase 50 60 Hz				
4	Service Duty	Continuous Rating , Service Factor 1.0				
5	Starting Method	Full voltage direct on line				
6	Rotation	Facing The Drive End : CW(ClockWise), Available for Bi-Direction				
7	Drive Method	Direct Coupling				
8	Environment	Amb. Temp. : -15 ~ 40 °C				
		Humidity : Less Than 90 %RH				
		Altitude : Up to 1000 M				
9	Enclosure & Protection	IP66 : Totally Enclosed			Indoor	
10	Cooling	IC411 : Self External Fan, Surface Cooling				
11	Mounting	IM2001 : HS, Foot, Flange				
12	Dimensions	Dr# 32049A49005		Frame No : 180M		
13	Frame & Bracket	Frame : Cast Iron		Bracket : Cast Iron		
14	Fan & Fan Cover	Fan :Plastic		Fan Cover :Steel Plate		
15	Terminal Box	Cast Iron				
16	Lead Terminals	(R3.5-6)X6				
17	Lubricant	--				
18	Painting	Color : AS2700S-N35(3.5GY 6.9/0.4)				
19	Stator Winding	Ins. Class H Connection:Δ/Y				
20	Rotor Conductor	Al-Die Cast			GD^2 : 0.812Kg-m^2	
21	Starting & Operating Performance	Hz/V	50/400	50/415	60/440 60/460	
		%Load	100			
		Amp.	33.5	32.3	30.2	28.9
		Eff.%	94.2	94.2	94.5	94.5
		P.F.%	84.5	84.5	85.0	85.0
		R.P.M.	1480	1480	1775	1775
		*LRC/FLC=Lock Rotor Current/Full Load Current	LRC/FLC	795 %	795 %	750 % 750 %
		*LRT/FLT=Lock Rotor Torque/Full Load Torque	LRT/FLT%	240	240	180 180
		*BDT/FLT=Break Down Torque/Full Load Torque	BDT/FLT%	260	260	240 240
		Temp. Rise Limit. (Resistance) Stator 80 °C AT SF1.0				
22	Approximate Weight					
23	Note	1.Tolerances according to IEC60034-1. 2.With thermistor PTC 150°C X3 PCS/SET. 3.With tropical proof.				
		FOR APPROVAL Please confirm or comment, and return within 7 business days. Otherwise, these drawings will be deemed as certified and approved. Approved by : P6257535T1 Order No.				

APPD.	S.XU	JUN. 10 2025	TECO ELEC. & MACH. CO., LTD.	DWG NO.
CHKD.	Peisheng Qin	JUN. 10 2025		32057R001-45534
DWN.	JunYang Wu	JUN. 06 2025		REV.00 1/1

TECO

OUTLINE DIMENSIONS

MOTOR TYPE:

AESV4S-YBZ

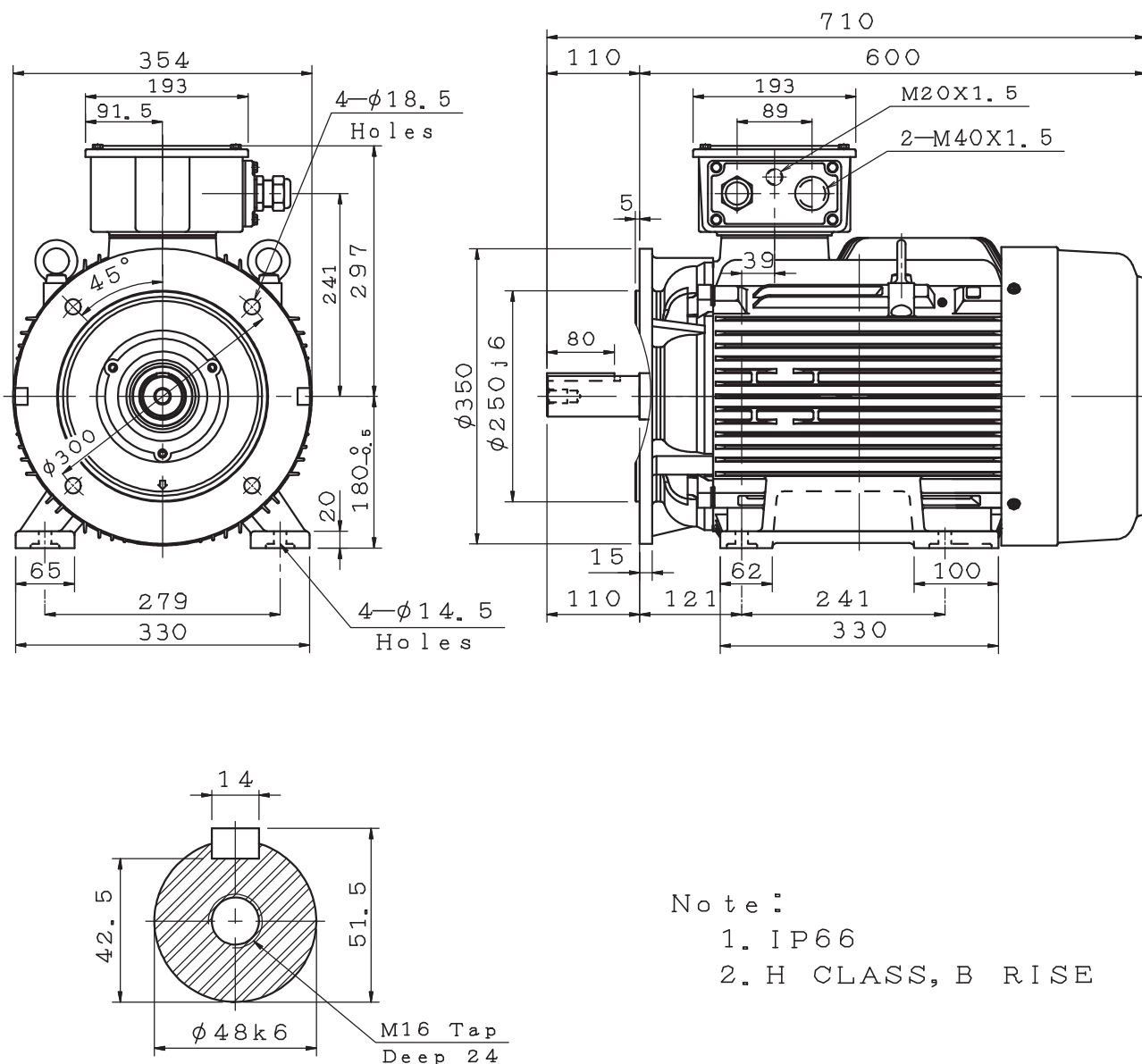
DATE

3-PHASE INDUCTION MOTOR

FRAME NO. 180M

Pole	HP	kW	Hz	VOLT	r/min
4	25	18.5	50	380-415/(660-720)	1500
Ins	Rating	Dimension in	Approx Weight	Bearings	
H	CONT.	mm		DE: 6311ZZC3 NDE: 6310ZZC3	

Totally Enclosed Fan-Cooled Type. Squirrel-Cage Rotor.



Note:

1. IP66

2. H CLASS, B RISE

FOR APPROVAL

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Approved by: P6257535T1
Order No.

TTAKG25087-30

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DWN.	欽佩聖	06.10.25
CHKD.	時墩慶	06.25.25
APPD.	郭耿良	06.25.25

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32049A490050