

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	55kW/75HP 2 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# 32049A37106		Frame No : 250M		
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	(R14-10)X6				
17	Lubricant	Mobil Polyrex EM Grease				
18	Painting	Color : Munsell 3.5 GY 6.9/0.4				
19	Stator Winding	Ins. Class H Connection:Δ/Y				
20	Rotor Conductor	Al-Die Cast			GD^2 : 2.111 Kg-m^2	
21	Starting & Operating Performance	Hz/V	50/400	50/415	60/440 60/460	
		%Load	100			
		Amp.	92.6	89.2	84.4	80.7
		Eff.%	95.3	95.3	94.5	94.5
		P.F.%	90.0	90.0	90.5	90.5
		R.P.M.	2970	2970	3570	3570
		*LRC/FLC=Lock Rotor Current/Full Load Current	LRC/FLC	890 %	890 %	990 % 990 %
		*LRT/FLT=Lock Rotor Torque/Full Load Torque	LRT/FLT%	155	155	150 150
		*BDT/FLT=Break Down Torque/Full Load Torque	BDT/FLT%	330	330	275 275
		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 : Order No. P7257721T1				

APPD.	S.XU	JUN. 10 2025	TECO ELEC. & MACH. CO., LTD.	DWG NO.
CHKD.	Zong Rui	JUN. 10 2025		32057R001-45549
DWN.	JunYang Wu	JUN. 07 2025		REV.00 1/1

