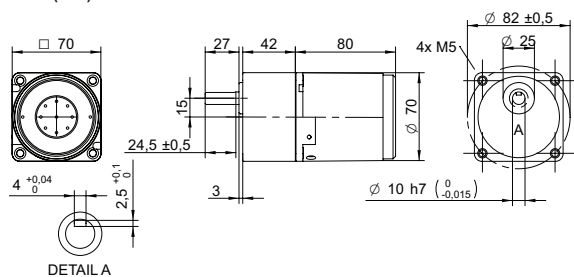
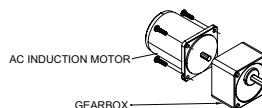


DRAWING (mm)



AC induction motor and gearbox also sold separately.



PHOTO



MODEL NO. DESIGNATION

AI-015W - Voltage - Phase - Connection

Example: AI-015W-208-TC T = Three phase C = Cable

ACCESSORIES¹



● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

GEAR MOTOR DATA

Gear ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200	250	300	500	600	750		
Nominal torque	Nm	0.26	0.31	0.43	0.51	0.64	0.77	0.85	1.1	1.3	1.5	1.5	1.9	2.3	2.8	3.1	3.8	4.2	5.0 ²	5.0 ²	5.0 ²	5.0 ²	5.0 ²	5.0 ²	5.0 ²	5.0 ²	5.0 ²	5.0 ²	5.0 ²	5.0 ²	5.0 ²	
Nominal speed	rpm	480	400	290	240	190	160	150	120	97	81	73	58	48	40	36	29	24	19	16	15	12	10	8.1	7.3	5.8	4.8	2.9	2.4	1.9		
Nominal power	W	13	13	13	13	13	13	13	13	13	13	12	12	12	12	12	12	11	10	8	8	6	5	4	4	3.0	2.5	1.5	1.3	1.0		
Gearb. nom. torq. ³	Nm	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Gearbox efficiency	%	81	81	81	81	81	81	81	81	81	81	73	73	73	73	73	73	66	66	66	66	66	66	66	66	59	59	59	59	59		
Radial load ⁴	N	120	120	120	120	120	120	120	120	120	120	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250		
Direction of rot.		CW	CW	CW	CW	CW	CW	CW	CW	CW	CW	CCW	CCW	CCW	CCW	CCW	CCW	CW	CW	CW	CW	CW	CW	CW	CW	CCW	CCW	CCW	CCW	CCW		
Weight	kg	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		

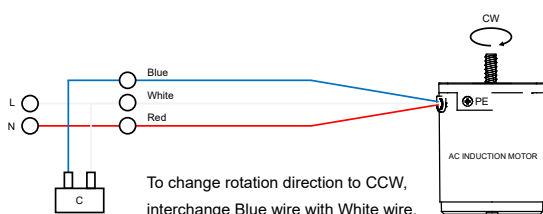
OTHER GEAR MOTOR DATA

Service life	h	10000
Performance tolerances		± 15
Operating temperature	°C	-10 to 40
IP rating		IP20
Manufacturing standard		ISO 9001
CE label UL label		No No

GEARBOX DATA

Shaft axial load	N	40
Bearing type		Ball bearing
Shaft material		40 Cr steel
Housing material		Aluminum
Material gear stage		40 Cr steel

WIRING DIAGRAM AC INDUCTION MOTOR



AC INDUCTION MOTOR DATA

Nominal voltage	V	220
No. of phases		3
Frequency	Hz	60
No. of poles		4
Nominal speed	rpm	1450
Nominal torque	mNm	105
Nominal current	A	0.12
Nominal power	W	15
Stall torque	mNm	180
Insulation class		B
Motor cable		AWG20
Motor cable length	mm	300
Capacitor included in delivery	μF	-
Insulation resistance	MΩ	100
Dielectric strength	kV	1.5
Max. winding temperature	°C	80
Weight	kg	1

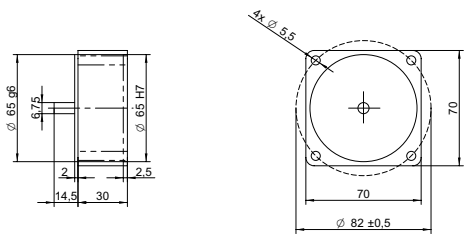
GEAR MOTOR RANGE AI-SERIES⁵

Nominal voltage	V	See separate datasheet
Nominal power	W	See separate datasheet
Dimension	mm	See separate datasheet

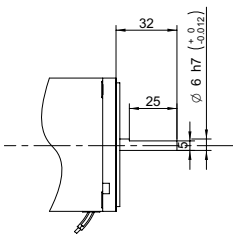
NOTES

- See page 2 of this catalog.
- Gear motor torque limited by gearbox.
- Gearbox nominal torque.
- 20 mm from shaft.
- Visit www.transmotec.com to view datasheets.

DECIMAL GEARBOX¹



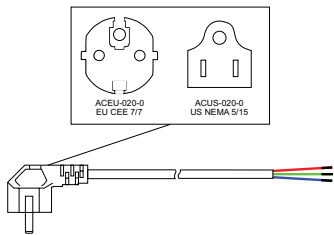
OUTPUT SHAFT D-CUT



DECIMAL GEARBOX DATA		
Model designation		S70A-Y010
Gear ratio		10:1
Nominal torque	Nm	5
Description		
Connected between AC motor and existing gearbox to decrease the speed further than the gear ratio listed in the table.		

DECIMAL GEARBOX DATA	
Model designation	Contact us for more information.

POWER CABLE



POWER CABLE DATA	
Model designation	
ACEU-020-0 ACUS-020-0	
Standard	EU CEE 7/7 US NEMA 5/15
Cable length	m ft
2 8	

NOTES	
1. Visit www.transmotec.com to view datasheets.	