


Technical drawing of the ENCO connector. The drawing shows a side view of the connector with a circular top flange and a central shaft. Dimensions are indicated: a horizontal distance of 16 from the center to the mounting bracket, and a vertical distance of 59 from the top flange to the mounting bracket. The text "ENCO" and "CONN" are visible on the right side of the drawing.

Technical drawing of a motor assembly, showing a side view and a detail view. The main drawing includes dimensions: 73 (height), 129 (length), and 184 (total length). A detail view labeled 'B' shows a component with a dimension of 79 (diameter). Labels include 'ORDER' (twice), 'Fr', 'A', 'N', and 'R'. A dimension line indicates a distance of 129 from the center of the motor to the center of the detail view 'B'. A dimension line indicates a distance of 184 from the left edge of the motor to the center of the detail view 'B'. A dimension line indicates a distance of 73 from the bottom edge of the motor to the center of the detail view 'B'. A dimension line indicates a distance of 79 from the center of the motor to the center of the detail view 'B'.

NAME PLATE
(NOTICE MARK)

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Technical drawing of a 1/2 inch NPT female port, 100 mm square body. The drawing shows a top view and a side view. The top view is a square with rounded corners, 100 mm wide. It features a central circular port with a diameter of 115 mm and a flange with a diameter of 130 mm. There are four mounting holes, each with a diameter of 7 mm, spaced 113 mm apart. The side view shows the port's profile, which is 113 mm high. The drawing is labeled '2' in the bottom left corner.

DETAIL OF SHAFT EXTENSION

1	PG5V
2	PG0V
3	FRAME GROUND
4	BAT (+)
5	BAT (-)
6	DATA (+)
7	DATA (-)
8	-
CON. CASE	FRAME GROUND

VIEW A

1	PHASE V
2	—
4	—
5	PHASE U
6	PHASE W
FG	FRAME GROUND
CON. CASE	FRAME GROUND

TYPE	RATED OUTPUT kW	RATED TORQUE N · m	TIME RATING	RATED SPEED min ⁻¹	VOLTAGE V rms	RATED CURRENT A rms	THERMAL CLASS	WEIGHT kg	ALLOWABLE RADIAL LOAD Fr N	ALLOWABLE THRUST LOAD Fs N
SGM7A-25D7F6F	2.5	7.96	CONT.	3000	400 (3PHASE)	7.4	F	6.9	686 (AT SHAFT END)	196

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. MOTOR SPECIFICATIONS : 900-172-604
3. ENCODER SPECIFICATIONS: 900-172-503 (24BIT ABSOLUTE)
4. VIBRATION : 15 μ m OR BELOW AT RATED SPEED.
5. PLUGS AND CABLE CLAMPS ARE OPTIONAL.
6. READ AND UNDERSTAND DOCUMENT PACKED WITH MOTOR
(SAFETY PRECAUTIONS), AND BE CAREFUL USING MOTOR.
7. DEGREES OF PROTECTION: IP67 EXCEPT FOR SHAFT OPENING.
8. DO NOT TOUCH EACH OF CONNECTOR PINS DIRECTLY. IT CAUSE FAILURE.
9. IN CASE OF MOUNTING THIS MOTOR HORIZONTAL, TO PLACE
THE CONNECTOR DOWN IS RECOMMENDABLE.
10. USE HEXAGON SOCKET HEAD CAP SCREWS FOR MOUNTING MOTOR.
11. MOTOR CONNECTOR COULD BE TURNED IN THE RANGE OF ☆ WITHIN 10 TIMES.

F

SCALE 1 : 2.5



DRWN.	H. KATO
CHKD.	T. HIROSE
APRV.	K. AOKI

TITLE	AC SERVOMOTOR Σ -7 SERIES
	SGM7A MODEL 2.5 kW

S	DRWN. DATE	July. 01' 15
	DWG. NO.	900-181-052

REV

SIZE	A3
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