



# ASM

## Rugged PMAC Motors

The ASM motors is a range of motors with continuous power levels ranging from 600 W to 2 kW that can operate on system voltages from 12V to 120V.

The motors are suitable for most battery-powered electric vehicles, as they are designed for fly-by wire steering and accessory application.

The ASM motors are designed to give high efficiency and can be adapted for different mechanical components and several combinations of motor and gearbox are already available.

The motors are manufactured in small dimensions for easy fit in tight spaces. They also have a rugged design that can withstand harsh vehicle conditions and resist dust and water.

The ASM motors also have a versatile design that can be used in other low-voltage scenarios. The ASM motors are PMAC motors, which offer better stall torque, efficiency, and low speed performance compared to a BLDC-motor.



- Rugged design for demanding environment
- Small dimensions for easy fit
- Customizable mechanical interface
- Sin/Cos feedback and dual Sin/Cos feedback

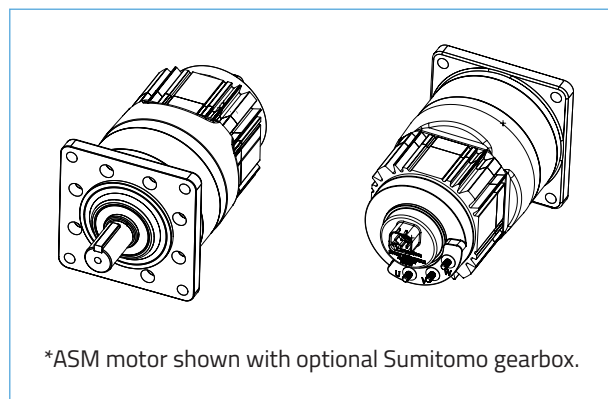
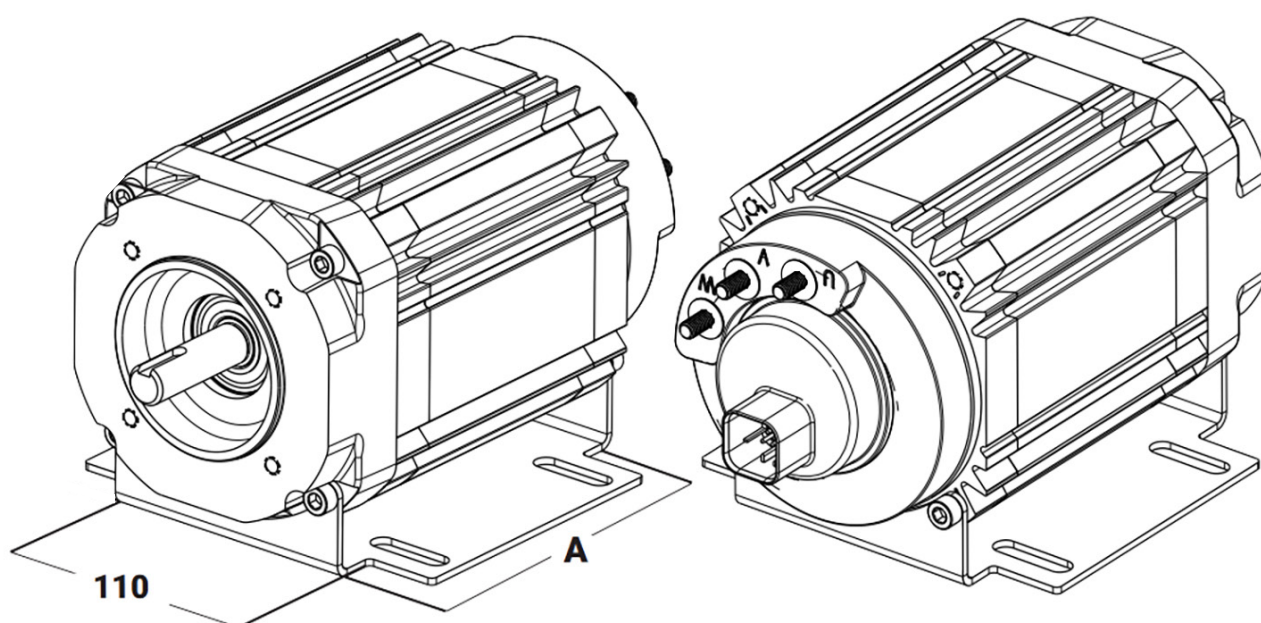
Performance							
ASM MODEL	800 rpm		1800 rpm		2800 rpm		POWER (W) S2 60 min
	RATED TORQUE		RATED TORQUE		RATED TORQUE		
	(S2 2 min) Nm	(S2 1 h) Nm	(S2 2 min) Nm	(S2 1 h) Nm	(S2 2 min) Nm	(S2 1 h) Nm	
ASM 103	5.5	2.8	5.3	2.3	5.2	2.0	630
ASM 106	10.9	4.8	10.6	4.0	10.4	3.8	1200
ASM 109	16.9	6.8	15.9	6.1	15.7	4.7	1475
ASM 112	21.8	9.2	21.2	7.8	20.4	5.9	1850
ASM 115	27.3	11	26.4	8.6	21.9	6.8	2150

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### Dimensions

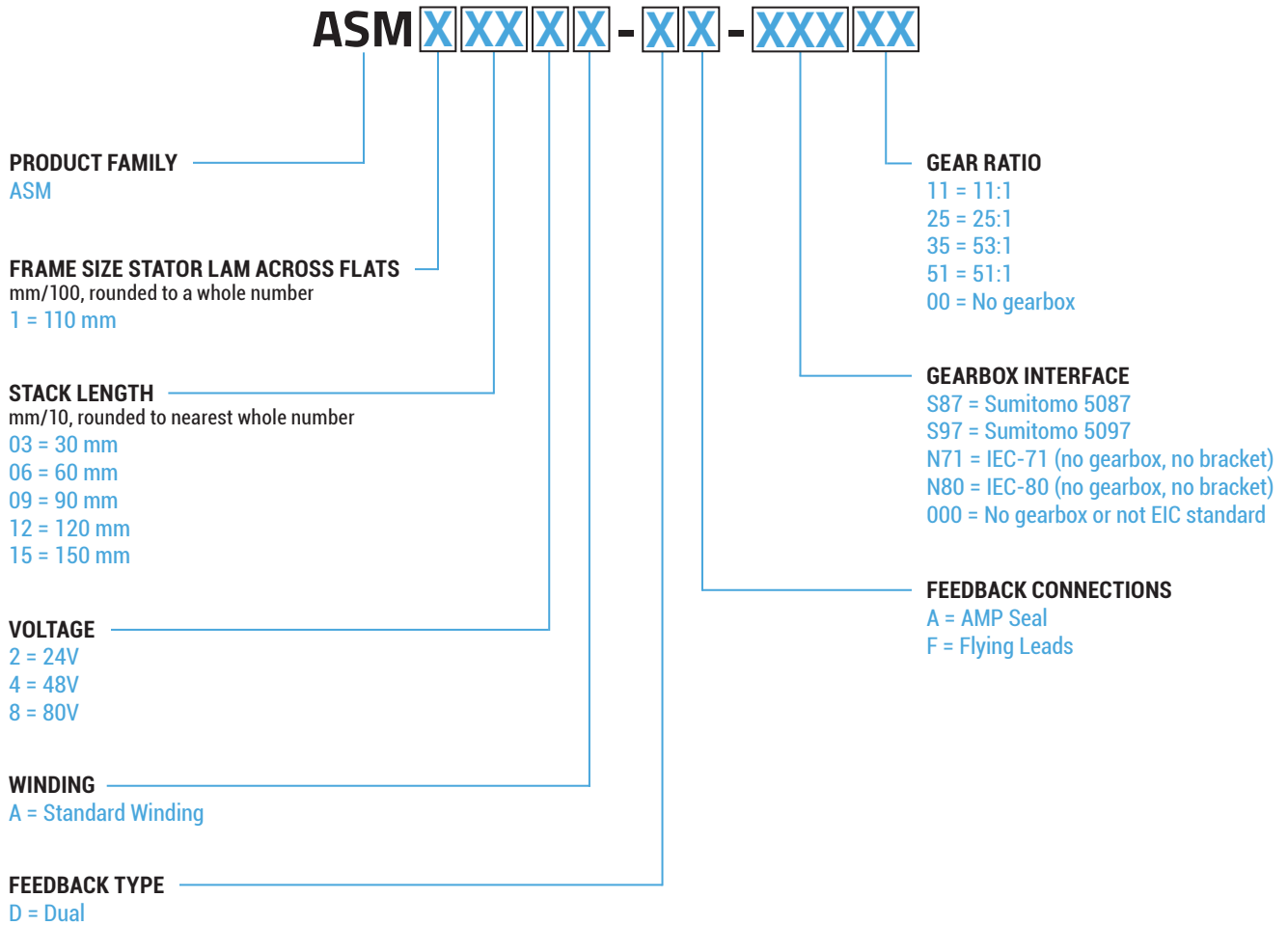
ASM MODEL	DIMENSION [A] (mm)
ASM 103	91
ASM 106	121
ASM 109	151
ASM 112	181
ASM 115	211



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## Rugged PMAC Motors

### Order Information



### Order Notification

Note that not all combinations are possible.  
Please contact Regal Components for assistance  
in finding the best fit for your application.

# Notes

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**Important Notice**

The specifications in this document are for reference purposes only and are subject to change without notice. Consult Regal Components for the latest specifications.  
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