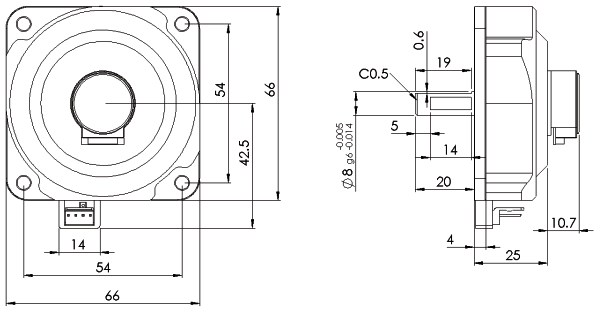
Motor for general environment

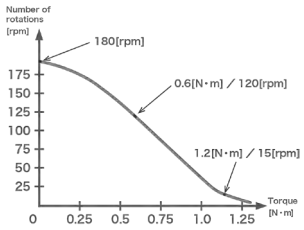
PSM60S SERIES

PSM60S-E2T

Motor with 2,000 p/r encoder for general environment.
Equipped with 2,000 pulse/turn TTL signals output encoder.
Motor position and speed can be controlled with accuracy of ± 0.045 ° (Multiplying by 4 times).
It is ideal as a motor for ultra-high precision indexing equipment.



Model Name	Motor with 2,000 p/r encoder PSM60S-E2T
Drive Frequency	40~45 [KHz]
Drive Voltage	130 [Vrms]
Rated Speed	120 [rpm]
Maximum Speed	180 [rpm]
Rated Torque	0.6 [N·m]
Maximum Torque	1.2 [N·m]
Holding Torque	1.2 [N·m]
Direction & Response	CW、CCW、Less than 1 [ms] (No-load)
Temperature Range	-10 ~ +55 [℃]
Life Time	3,000 [Hours]
Size(W×D×H)	66×66×56 [mm]
Weight	240 [g]
Encoder resolution	2,000 [p/r]
Minimum Accuracy	0.045°

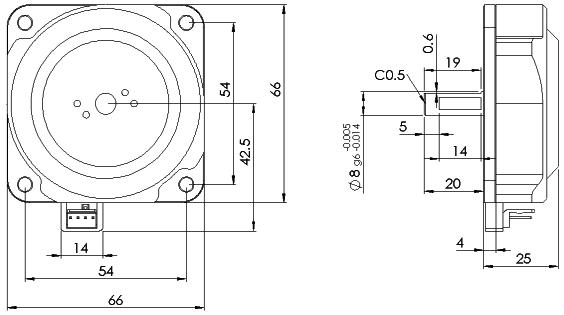


Motor for magnetic field environment

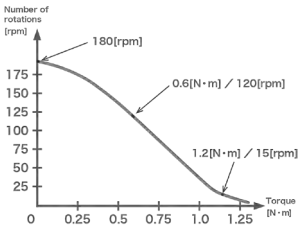
PSM60N SERIES

PSM60N-A

Sensorless single-shaft motor for magnetic field environment.
Applicable to 3 [T] magnetic field environment.
Minimum size for PSM 60 N series.
It is ideal as a positioning and transport motor using sensors installed in devices such as MRI and elemental analyzers that are used in high-magnetic field.



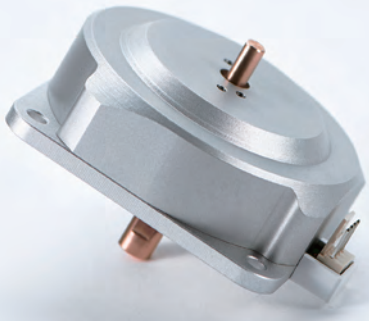
Model Name	Single-shaft motor PSM60N-A
Drive Frequency	40~45 [KHz]
Drive Voltage	130 [Vrms]
Rated Speed	120 [rpm]
Maximum Speed	180 [rpm]
Rated Torque	0.6 [N·m]
Maximum Torque	1.2 [N·m]
Holding Torque	1.2 [N·m]
Direction & Response	CW、CCW、Less than 1 [ms] (No-load)
Temperature Range	-10 ~ +55 [℃]
Life Time	3,000 [Hours]
Size(W×D×H)	66×66×45 [mm]
Weight	230 [g]
Encoder resolution	Without encoder, single-shaft
Minimum Accuracy	Depends on external sensor



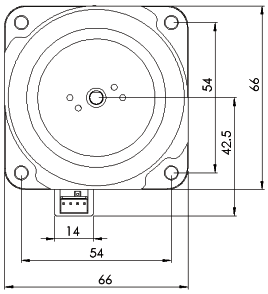
Motor for magnetic field environment

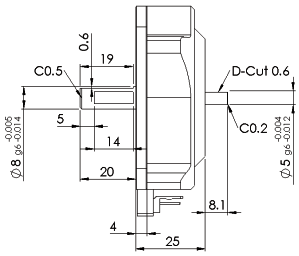
PSM60N SERIES

PSM60N-B

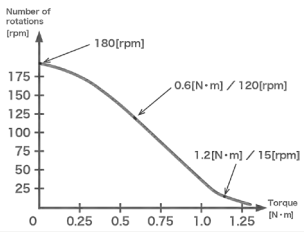


Sensorless double-shaft motor for magnetic field environment.
It has a subshaft for mounting external sensors of other manufacturers directly to the motor.
This motor can control the equipment using a third-party encoder or tacho generator that can be used in a magnetic field.



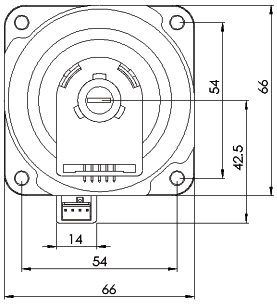


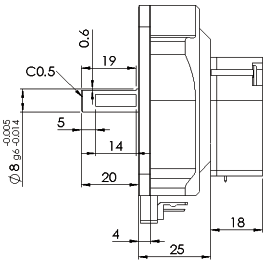
Model Name	Double-shaft motor PSM60N-B
Drive Frequency	40~45 [KHz]
Drive Voltage	130 [Vrms]
Rated Speed	120 [rpm]
Maximum Speed	180 [rpm]
Rated Torque	0.6 [N·m]
Maximum Torque	1.2 [N·m]
Holding Torque	1.2 [N·m]
Direction & Response	CW、CCW、Less than 1 [ms] (No-load)
Temperature Range	-10 ~ +55 [℃]
Life Time	3,000 [Hours]
Size(W×D×H)	66×66×53 [mm]
Weight	233 [g]
Encoder resolution	Without encoder, double-shaft
Minimum Accuracy	Depends on external sensor



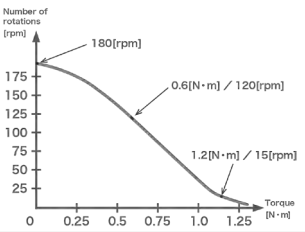
PSM60N-E

Motor with 500 p/r encoder for magnetic field environment.
Equipped with 500 pulse/turn TTL signals output encoder. Motor position and speed can be controlled with accuracy of ± 0.18 ° (Multiplying by 4 times) in a magnetic field environment of 3 [T].
It is ideal as a motor for transfer equipment using ball screws.





Model Name	Motor with 500 p/r encoder PSM60N-E
Drive Frequency	40~45 [KHz]
Drive Voltage	130 [Vrms]
Rated Speed	120 [rpm]
Maximum Speed	180 [rpm]
Rated Torque	0.6 [N·m]
Maximum Torque	1.2 [N·m]
Holding Torque	1.2 [N·m]
Direction & Response	CW、CCW、Less than 1 [ms] (No-load)
Temperature Range	-10 ~ +55 [℃]
Life Time	3,000 [Hours]
Size(W×D×H)	66×66×63 [mm]
Weight	250 [g]
Encoder resolution	500 [p/r]
Minimum Accuracy	0.18°

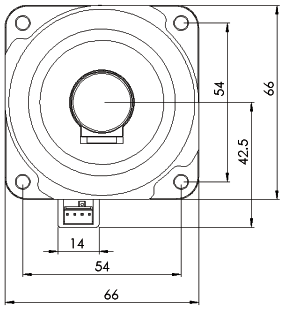


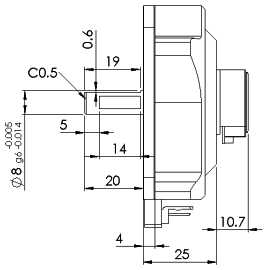
Motor for magnetic field environment

PSM60N SERIES

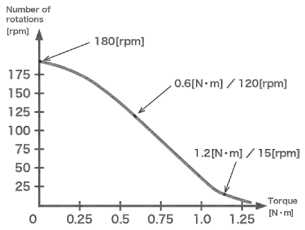
PSM60N-ET

Motor with 1,000 p/r encoder for magnetic field environment.
Equipped with 1,000 pulse/trun TTL signals output encoder. Motor position and speed can be controlled with accuracy of ± 0.09 ° (Multiplying by 4 times) in a magnetic field of 3 [T]. It is ideal as a motor for high-precision positioning stages used in MRI.



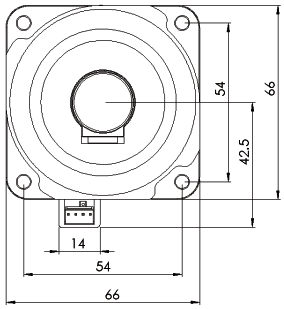


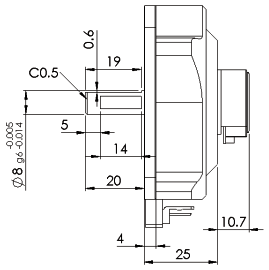
Model Name	Motor with 1,000 p/r encoder PSM60N-ET
Drive Frequency	40～45 [KHz]
Drive Voltage	130 [Vrms]
Rated Speed	120 [rpm]
Maximum Speed	180 [rpm]
Rated Torque	0.6 [N·m]
Maximum Torque	1.2 [N·m]
Holding Torque	1.2 [N·m]
Direction & Response	CW、CCW、Less than 1 [ms] (No-load)
Temperature Range	-10 ～ +55 [℃]
Life Time	3,000 [Hours]
Size(W×D×H)	66×66×56 [mm]
Weight	240 [g]
Encoder resolution	1,000 [p/r]
Minimum Accuracy	0.09°



PSM60N-E2T

Motor with 2,000 p/r encoder for magnetic field environment.
Equipped with 2,000 pulse/turn TTL signals output encoder. Motor position and speed can be controlled with an accuracy of ± 0.045 ° (Multiplying by 4 times) in a magnetic field of 3 [T]. It is ideal as a motor for ultra-high precision indexing equipment used in MRI.





Model Name	Motor with 2,000 p/r encoder PSM60N-E2T
Drive Frequency	40～45 [KHz]
Drive Voltage	130 [Vrms]
Rated Speed	120 [rpm]
Maximum Speed	180 [rpm]
Rated Torque	0.6 [N·m]
Maximum Torque	1.2 [N·m]
Holding Torque	1.2 [N·m]
Direction & Response	CW、CCW、Less than 1 [ms] (No-load)
Temperature Range	-10 ～ +55 [℃]
Life Time	3,000 [Hours]
Size(W×D×H)	66×66×56 [mm]
Weight	240 [g]
Encoder resolution	2,000 [p/r]
Minimum Accuracy	0.045°