

SD-SM SERIES

Manufactured by Sanyo Denki Co Ltd., Japan

HIGH VOLTAGE STEPPING MOTORS

34 frame size

The Sanyo Denki SM series motors have exceptionally high torque and are suited to , high speed applications using high voltage drives. Some of models are compatible the new high voltage RTA, X-MIND-B6 drive. The standard NEMA 34 flange is still used so mounting holes are the same as standard stepper motors. Motor shaft is larger to handle higher torque.

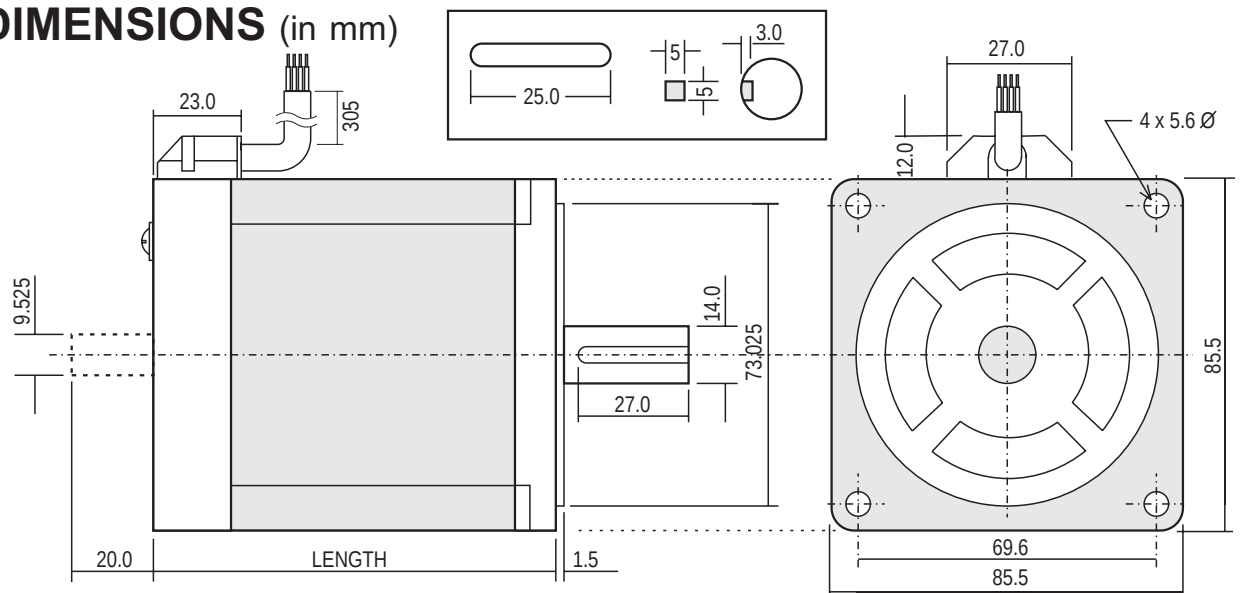


High torque - High speed - High voltage

SPECIFICATIONS

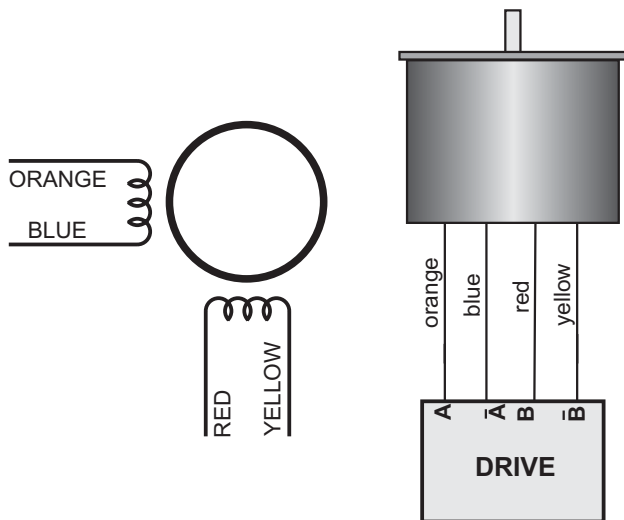
MODEL NUMBER	No. Shafts	No. Stacks	Motor Length (mm)	Phase Current (Amp)	Phase Resistance (Ω)	Phase Inductance (mH)	Holding Torque (Nm)	Rotor Inertia (kg.mm ²)	Voltage Constant (V/krpm)	Motor Mass (kg)
SM2861-5255	1	1	66	6.0	0.29	1.7	3.6	148	63	1.7
SM2861-5225	2									
SM2862-5155	1	2	96.5	4.0	0.83	6.4	7.0	300	183	2.9
SM2862-5125	2									
SM2862-5255	1	2	96.5	6.0	0.36	2.8	7.0	300	122	2.9
SM2862-5225	2									
SM2863-5155	1	3	127	4.0	1.0	7.9	9.2	450	241	4.0
SM2863-5125	2									
SM2863-5255	1	3	127	6.0	0.46	3.8	9.2	450	161	4.0
SM2863-5225	2									

DIMENSIONS (in mm)



SDSM34FT

DRIVE CONNECTIONS



NOTES

STANDARDS

UL, CE, RoHS

INSULATION VOLTAGE

250 VAC (350 VDC)

PROTECTION

Environmental protection IP43

CONSTRUCTION

200 steps/rev, 2 phase

CONNECTION

4 wire, parallel (series & unipolar not possible)

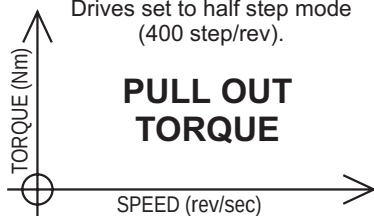
FLANGE

NEMA 34

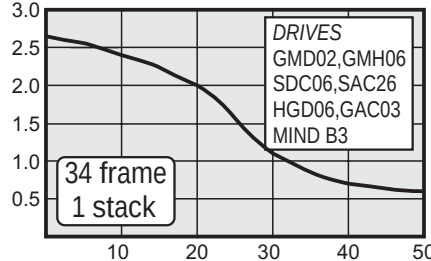
TORQUE CURVES

Drives set to half step mode
(400 step/rev).

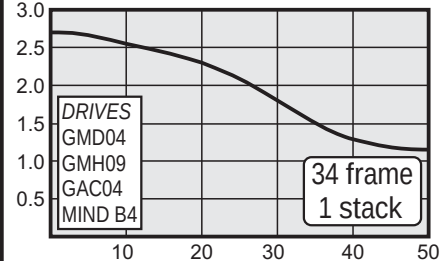
PULL OUT TORQUE



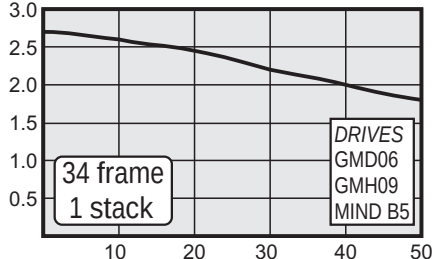
SM2861-5255 & 75V drive



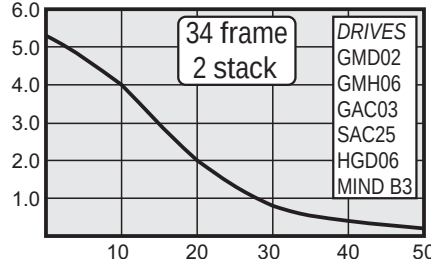
SM2861-5255 & 130V drive



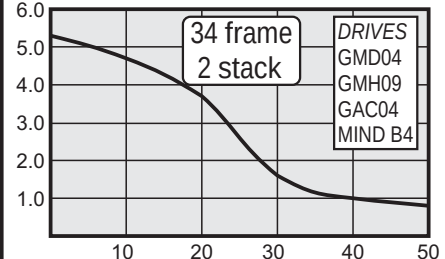
SM2861-5255 & 180V drive



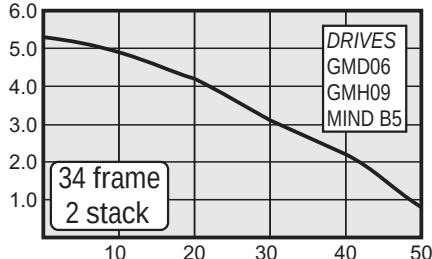
SM2862-5255 & 75V drive



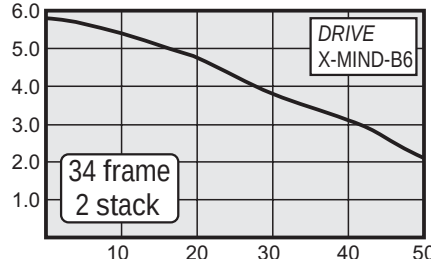
SM2862-5255 & 130V drive



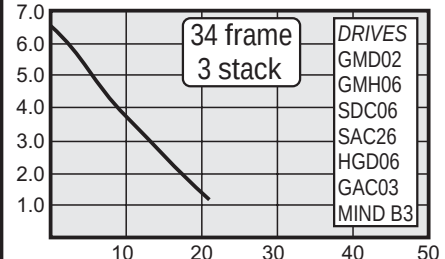
SM2862-5255 & 180V drive



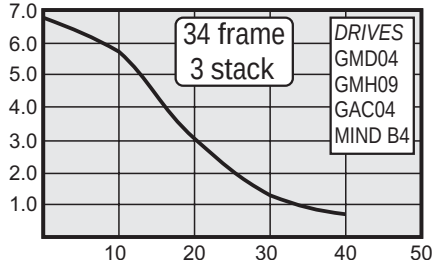
SM2862-5255 & 325V drive



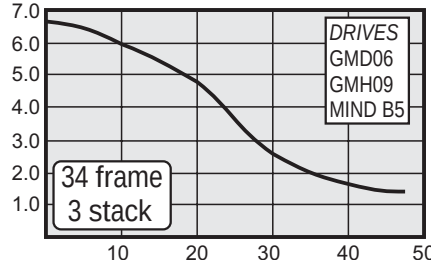
SM2863-5255 & 75V drive



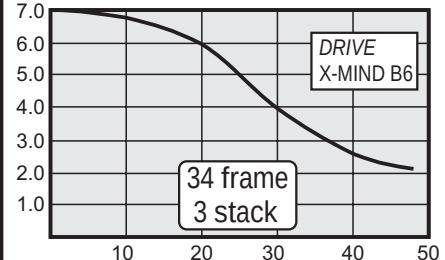
SM2863-5255 & 130V drive



SM2863-5255 & 180V drive



SM2863-5255 & 325V drive



AUTOMATED MOTION SYSTEMS PTY.LTD.

MAILING ADDRESS:

P.O.BOX 1240
WANGARA DC
W.A. 6947

PHONE: (08) 9309 1896

FAX: (08) 9309 5671

EMAIL: sales@automotsys.com.au

INTERNET: <http://www.automotsys.com.au>

OFFICE ADDRESS:

UNIT2, 7 BARETTA RD.
WANGARA, PERTH
WESTERN AUSTRALIA

Mouser Electronics

Authorized Distributor

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