IT SHALL NOT BE COPIED/REPRODUCED/MADE KNOWN TO ANY OTHER PARTY IN PART OR IN FULL WITHOUT OUR PRIOR WRITTEN PERMISSION.

DRG.NO.: 7728-095-01

DO NOT SCALE, ASK IF IN DOUBT	
RELEASED FOR	
DEVELOPMENT	PRODUCTION

GD&T SYMBOL

—	STRAIGHTNESS	=	SYMMETRY
▱	FLATNESS	/	CIRCULAR RUN OUT
○	CIRCULARITY	//	TOTAL RUN OUT
⌭	CYLINDRICITY	⊥	PERPENDICULARITY
⌒	PROFILE OF ANY LINE	∠	ANGULARITY
⌓	PROFILE OF ANY SURFACE	⌖	POSITION
//	PARALLELISM	◎	CONCENTRICITY

ANGULAR TOLERANCES

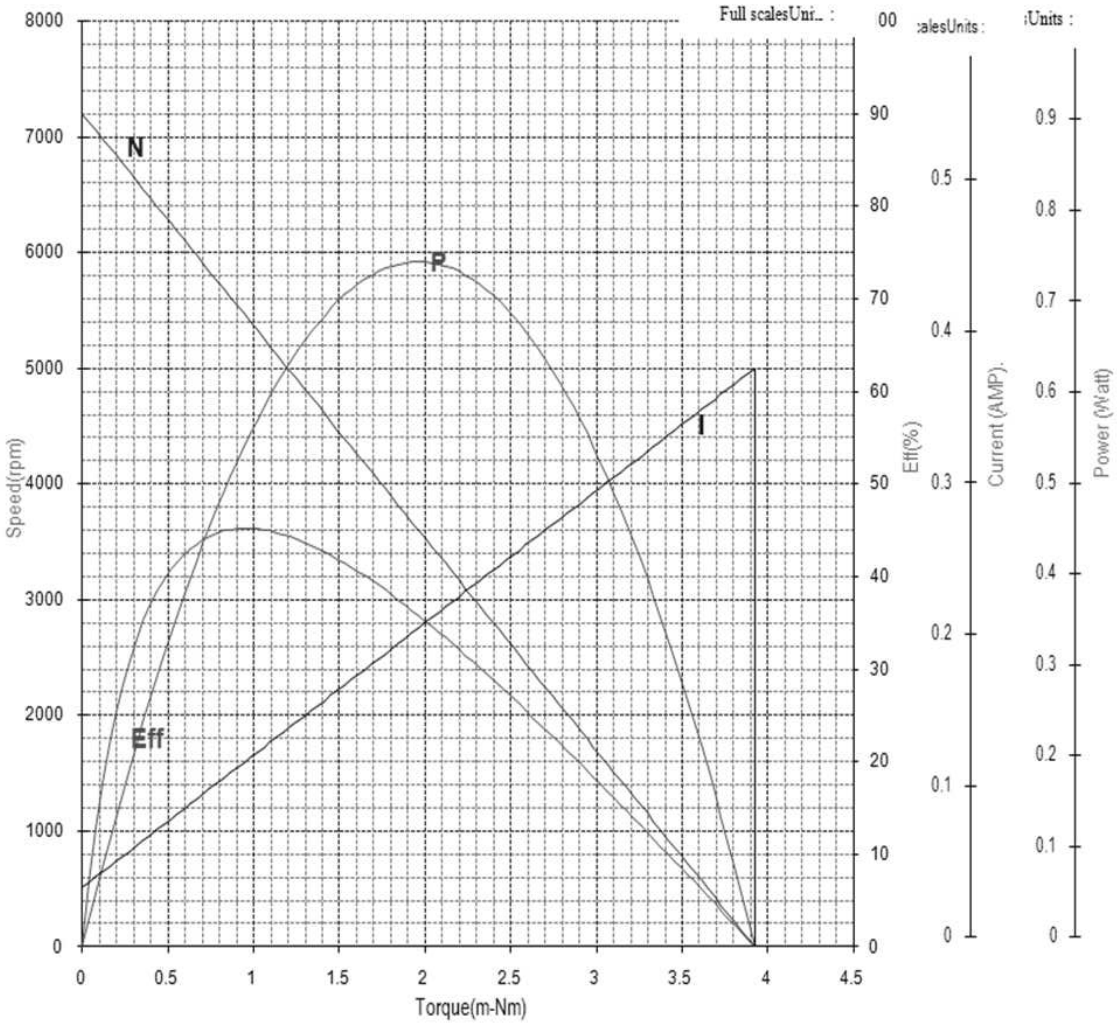
Permissible deviations for ranges of length, in mm, of the shorter side of the angle concerned	upto 10	over 10 upto 80	over 80 upto 120	over 120 upto 400	over 400
	±1°	±0°30'	±0°20'	±0°10'	±0°5'
	±1°	±1°	±0°30'	±0°15'	±0°10'
	±1°30'	±1°	±0°30'	±0°20'	±0°20'
	±2°	±1°	±0°30'	±0°20'	±0°20'

LINEAR TOLERANCES

Permissible deviations for basic size range.	0.5 upto 3	over 3 upto 6	over 6 upto 30	over 30 upto 120	over 120 upto 400
	±0.05	±0.05	±0.1	±0.15	±0.2
	±0.1	±0.1	±0.2	±0.3	±0.5
	±0.2	±0.3	±0.5	±0.8	±1.2
	—	±0.5	±1	±1.5	±2.5

Tolerance class

Designation	Description
f	fine
m	medium
c	coarse
v	very coarse



Performance (In an ambient temperature of 25 -30 C)
Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of	**10.00**	Volts
With a circuit resistance	0.000	Ohms

At No Load

Speed :	7202 Rpm
Current:	0.039 Amp

At stall (Extrapolated)

Torque :	3.924 m-Nm
Current:	0.375 Amp

At maximum efficiency

Efficiency :	45.23 %
Torque :	0.954 m-Nm
Speed :	5451 Rpm
Current :	0.120 Amp
Output :	0.545 Watts

At maximum power

Torque :	1.962 m-Nm
Speed :	3601 Rpm
Current :	0.207 Amp
Output :	0.740 Watts

Characteristics

Torque Constant :	11.667 m-Nm/Amp
E.M.F Constant :	11.667 mV/rad/sec
Dy. Resistance :	26.666 Ohms
Motor Regulation:	1835.289 Rpm/m-Nm

At Torque Level:

Calculate Torque | Fan Curve

Torque: m-Nm

NO.	ECN NO.	REVISION DETAILS	3D	2D	DATE	PREP	CHKD	APPD
			SOFT COPY UPD					

REFERENCE : ----		SURFACE TREATMENT ---	CAD SOFTWARE --- A-CAD
ANG.TOL. MEDIUM	GEN.TOL. MEDIUM	CLASSIFICATION OF CHARACTERISTICS	MATERIAL ---
	SCALE NTS	CRITICAL / KEY INSTRUCTION	
• ALL DIMENSIONS ARE IN mm, • NO SHARP EDGES, CRACKS, DEFORMATIONS, ETC, ALLOWED		MAJOR / S.NO. IN INSP. REP.	DESCRIPTION D.C. MOTOR CHARACTERISTICS CURVE
		Wt.(gm)	DRG.NO. 7728-095-01 — 1/1 — A3

FILE NAME :

DISTBN.

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