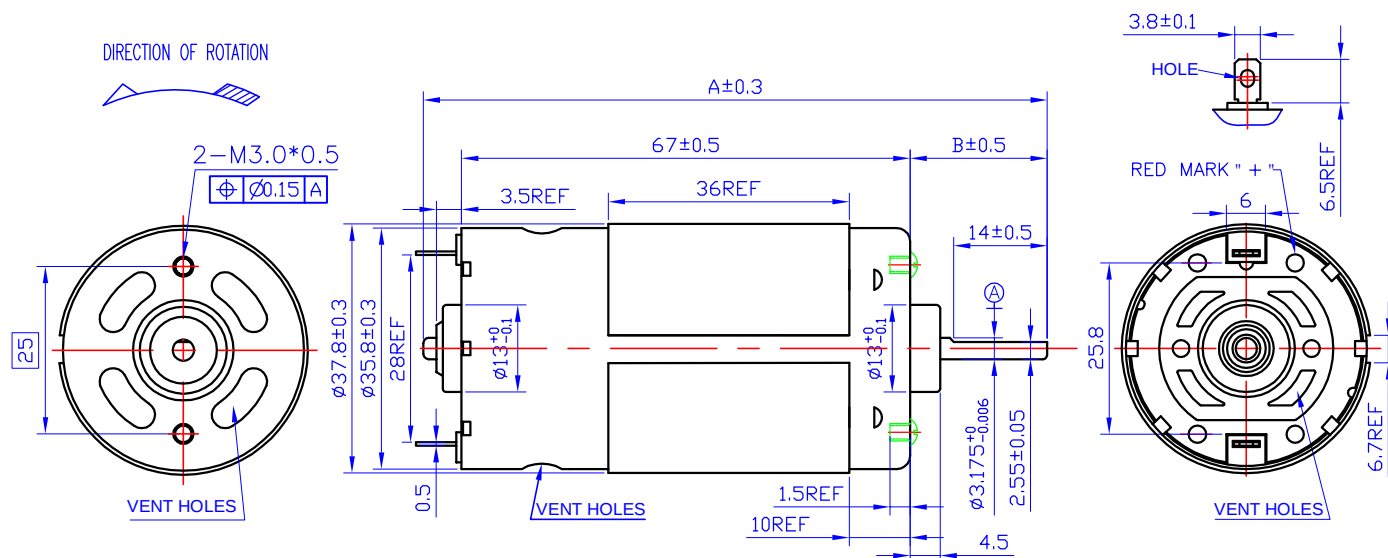


MODEL: RS-590PHF-8016RD

TEST VOLTAGE: 12VDC



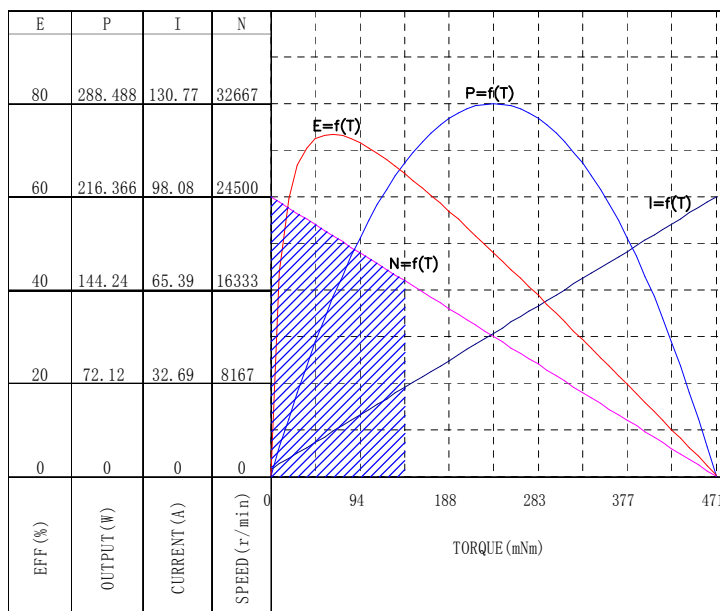
WEIGHT:267g APPROX

Length Of Shaft (A)				93	mm(± 0.3)		Front Extension (B)			20.5	mm(± 0.5)	
Item	No Load		At Max Efficiency					At Stall				
	Current	Speed	Current	Speed	Torque	Output	Eff	Current	Torque			
	A	r/min	A	r/min	mNm	w	%	A	mNm			
	2.40	24500	15.34	21168	64	135.48	73.6	98.1	471			
Tolerance	4.5 Max	$\pm 10\%$	23.01 Max	$\pm 10\%$	$\pm 15\%$		-15%	147.1 Max	353 Min			
Torque constant	4.9	mNm/A	Motor Resistance	0.12	ohm	Speed Constant		52.1	rpm/mNm			

DESIGN

PMDC MOTOR
2-POLE STATOR
3-SLOT ARMATURE
INSIDE COOLING FAN
SECD HOUSING
SECD END CAP
LEAF BRUSH SYSTEM
DRIVE END :CYLINDER SINTERED
BRONZE BUSH
BRUSH END:SELF-ALIGNING SINTERED
BRONZE BUSH
CARBON STEEL(NICKEL COATED) SHAFT
CLASS F MAGNET WIRE
END PLAY: 0.05~0.55mm

W

 RECOMMENDED OPERATING RANGE

* [1mNm=10.204 g-cm 1inch=25.4mm 1ounce=28.35g]

* MEASURING ENVIRONMENTAL CONDITIONS: $25 \pm 10^\circ\text{C} / 65\% \pm 20\%\text{RH}$

* THIS PC ARE MEASURED BASED ON LIMITED MOTOR SAMPLES ONLY