

Fincor DC Motors

Permanent Magnet DC Motors

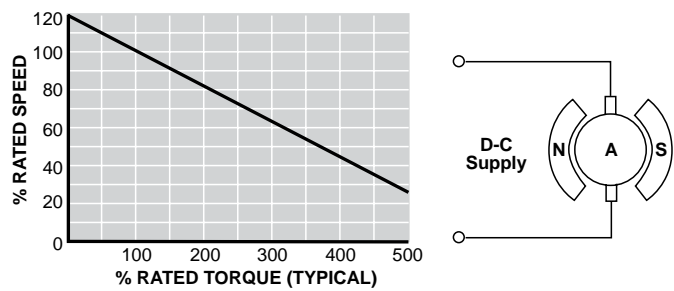
Series 9300

Fincor Series 9300 permanent magnet motors are industrial rated general purpose DC motors designed for use with single-phase DC drives. They provide constant-torque adjustable-speed operation by armature voltage control to base speed. The motors are suitable for a wide range of applications including full power start-stop conditions, continuous high speed operation, precision speed regulation, regenerative braking and reversing, low speed contactor reversing, power off dynamic braking, and crawling duty.

Series 9300 motors feature a permanent magnet field with a conventional wound armature and feature excellent starting torque, speed regulation, dynamic response, and heat dissipation. Series 9300 motors should only be plug reversed when reversing currents are limited to less than locked rotor current.



SPEED TORQUE CURVE



Permanent Magnet DC Motors - Series 9300

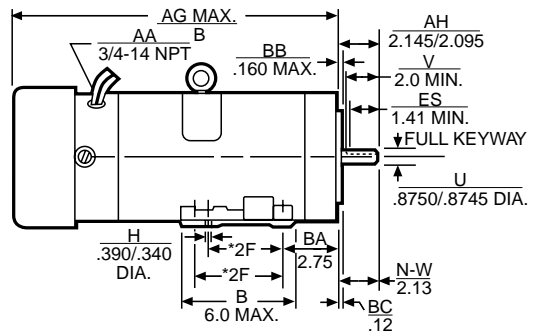
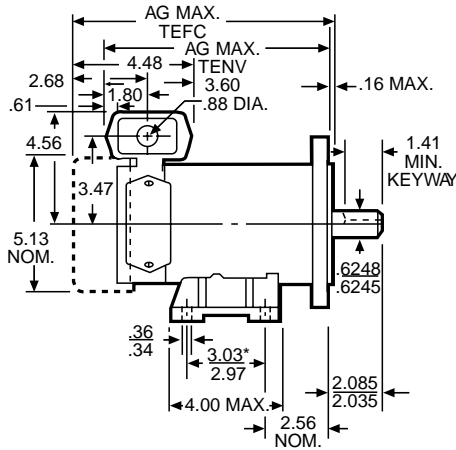
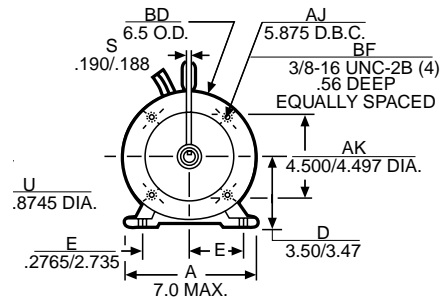
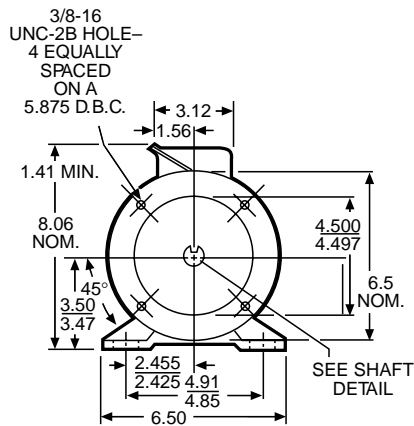
HP	Base Speed	Armature Volts	Armature Amps	Enclosure	Frame	Stock Number	Order Code	Weight (lbs)
1/6	1725	90	2.2	TENV	56C	5009322	9301609TNL	15
1/4	1725	90	2.5	TENV	56C	5009323	9302509TNL	17
1/3	1725	90	3.5	TENV	56C	5009324	9303309TNL	21
1/2	1725	90	5	TEFC	56C	5009325	9305009TFL	25
		180	2.5	TEFC	56C	5009326	9305018TFL	25
3/4	1725	90	7.3	TEFC	56C	5009327	9307509TFL	32
		180	3.8	TEFC	56C	5009328	9307518TFL	32
1	1725	90	10.6	TEFC	56C	5009329	9310009TFL	39
		180	5	TEFC	56C	5009330	9310018TFL	39
1.5	1750	180	7.5	TEFC	145TC	5009331	9315018TFL	68
2	1750	180	9.5	TEFC	145TC	5009332	9320018TFL	73
3	1750	180	12.9	TEFC	182/45TC	5009333	9330018TFL	93
5	1750	180	19.6	TEFC	1810ATC	5008070	9350018TFB	157

Removable Mounting Feet are Included
All items normally stocked

Options for Model TNL, TFL Series 9300 DC Motors

Description	Field Installed Order Code	Factory Installed Order Code
DC Tachometer Generator Type XPY, 50V/1000 rpm with mounting hardware	1/6 to 3/4 hp	106890101
	1 hp	106890102
	182/145TC motor frames	106890103
Mounting Hardware Only for XPY or DC Tachometer	1/6 to 3/4 hp	106890301
	1 hp	106890302
	182/145TC motor frames	106890303
Thermostat		-5064A

All motors are designed to comply with standard NEMA mounting dimensions, and manufactured to meet or exceed NEMA electrical and mechanical specifications and test procedures.



*The optional mounting feet have six mounting holes for mounting either the 143TC or 145TC Frame.
2F: 143TC Frame 4.030/3.970
2F: 145TC Frame 5.030/4.970

* MOUNTING FEET ARE OPTIONAL.

TNL & TFL Models

HP	Model Number	AG Maximum ¹		Wt. (lbs.) ²	Enclosure
		^a A°	^a B°		
1/6	9301609TNL	7.13	-	15	TENV
1/4	9302509TNL	7.66	-	17	
1/3	9303309TNL	8.16	-	21	
1/2	9305009TFL	-	9.875	25	TEFC
	9305018TFL	-	9.875		
3/4	9307509TFL	-	12.375	32	
	9307518TFL	-	12.375		
1	9310009TFL	-	14.375	39	
	9310018TFL	-	14.375		

TFL Models

HP	Model Number	AG Maximum ¹		Wt. (lbs.) ²	Enclosure
		^a B°	^a B°		
1 1/2	9315018TFL	16.35	-	68	TEFC
2	9320018TFL	17.35	-	73	
3	9330018TFL	19.75	-	93	

Notes:

- To convert dimension figures shown to metric equivalents (mm) multiply by 25.4.
- To convert weights shown to metric equivalents (kgs) multiply by 0.45.