

TECO Westinghouse

ISSUED 8/6/2019	PERFORMANCE DATA 3-PHASE PERMANENT MAGNET MOTOR	ENCLOSURE TEFC
TYPE DVEM		CATALOG# DM0034

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	TIME RATING	SERVICE FACTOR
HP	KW								
3	2.2	6	182T	460	90	40°C	F	CONT.	1

VARIABLE FREQUENCY DRIVE SERVICE

VARIABLE TORQUE				OHMS/PHASE EQUIVALENT WYE CIRCUIT (AT RATED OPERATING TEMPERATURE 25°C)			
HZ	HP	RPM	TORQUE (lb-ft)	RESIST.	Ld	Lq	BEMF
9~90	0.18~3	180~1800	5.17~8.60	4.526 Ω	20.20 mH	42.01 mH	182 mV/rpm

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
60~90	1.97~3	1200~1800	8.60	90~135	3	1800~2700	8.60~5.74

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY			POWER FACTOR			SOUND PRESSURE LEVEL @ 3 FT Db(A)
	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	FULL LOAD %	3/4 LOAD %	1/2 LOAD %	
1800	89.5	87.3	85.3	92.5	97.2	98.6	66

CURRENTS		TORQUE	INERTIA
NO LOAD (A)	FULL LOAD (A)	FULL LOAD (lb-ft)	ROTOR WR2 (lb-ft ²)
0.60	4.50	8.60	0.101

APPROVED:	M. PRATER	DRAWING NO.	31057DM0034	REVISION:	1
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