

TECO Westinghouse

ISSUED 8/6/2019	PERFORMANCE DATA 3-PHASE PERMANENT MAGNET MOTOR	ENCLOSURE TEFC
TYPE DVEM		CATALOG# DM0024

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	TIME RATING	SERVICE FACTOR
HP	KW								
2	1.5	6	145T	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	0.12~2	180~1800	3.52~5.90	3.574 Ω	15.04 mH	26.63 mH	169 mV/rpm

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
60~90	1.34~2	1200~1800	5.90	90~135	2	1800~2700	5.90~3.91

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	88.2	86.2	81.8	99.2	99.6	99.8	55

CURRENTS		TORQUE		INERTIA
NO LOAD (A)	FULL LOAD (A)	FULL LOAD (lb-ft)		ROTOR WR2 (lb-ft ²)
0.70	3.00	5.90		0.079

APPROVED:	M. PRATER	DRAWING NO.	31057DM0024	REVISION:	1
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