

TECO Westinghouse

ISSUED 9/18/2020	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE TEFC
TYPE DVEM		CATALOG# PM1/54C

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	TIME RATING	SERVICE FACTOR
HP	KW								
1.5	1.1	6	145TC	460	90	40°C	F	CONT.	1.15

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	0.09~1.5	180~1800	2.58~4.30	7.738 Ω	24.01 mH	42.49	169 mV/rpm

CONSTANT TORQUE				CONSTANT HORSEPOWER			
HZ	HP	RPM	TORQUE (lb-ft)	HZ	HP	RPM	TORQUE (lb-ft)
60~90	0.98~1.5	1200~1800	4.3	90~135	1.5	1800~2700	4.30~2.87

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	87.2	87.2	87	99.3	99.5	99.6	55.9

CURRENTS				TORQUE	INERTIA
NO LOAD 230V (A)	NO LOAD 460V (A)	FULL LOAD 230V (A)	FULL LOAD 460V (A)	FULL LOAD (-ft)	ROTOR WR2 (lb-ft ²)
1.00	0.50	4.60	2.30	4.30	0.048

APPROVED:	M. PRATER	DRAWING NO.	31057PM1/54C	REVISION:	0
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