



## PE324JM-40-2

CLOSE COUPLED PUMP MOTORS

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED, JM FRAME

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G



### DIMENSIONS

HP	RPM	Frame	MOUNTING														
			A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
40	3600	324JM	15.5	13.2	30.05	8	1	0.66	2.75	6.25	12.5	10.5	NA	15.9	15.7	2.6	5.25

FLANGE							Shaft Extension, Key Set										
AH	AJ	AK	BB	BC	BD	BF	U	R	S	EQ	ER	ES	ET	EP	EL	EM	EN
5.281	11	12.500	0.312	0.25	14	4*5/8-11	1.2495	1.112	0.252	0.645	5.25	2.53	3.020	2.36	1.750	1.3750	1/2-13
5.219		12.495	0.250				1.2490	1.097	0.250	0.605			2.980		1.748	1.3745	

Conduit Box		Bearings		Mount
AA	AB	DE	ODE	
2	12.3	6312	6312	F1

**BEARING LUBRICATION:** The bearings come lubricated with Mobil Polyrex EM Polyurea Grease. It is recommended that you add some additional lubrication when the motor is installed.

Three options (brands) for suitable lubrication include, but are not limited to, the following:

- 1.) Mobil Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP





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### PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
40	3545	324JM	208-230/460	60	1.15	F	B	1.5	G	TEFC	55	40 °C

Amps (460V)		Efficiency (%)			Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	100%	75%	50%	FLT	LRT %	BDT %				
45.5	290	92.4	92.0	91.0	0.90	0.88	0.83	59.2	140	250	6312	6312	12 Lead 2Δ/Δ	539

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS				
CAT NO. PE324JM-40-2		FRAME 324JM		PHASE 3								208-230V 		
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55							460V 		
HP 40	RPM 3545	HP 40	RPM 2935	DUTY CONT	DES B									
VOLTS 208-230/460		VOLTS 190/380		AMB 40 °C	INS F									
AMPS 94.9 - 91 / 45.5		AMPS 110/55		DE BRG 6312										
CODE G	P.F. 0.90	CODE F	P.F. 0.91	ODE BRG 6312										
EFF 92.4	MIN 91.0	EFF 90.7	MIN 89.3	LUB: Mobil Polyrex EM										
MOTOR WEIGHT 539	LBS	CONNECTION 12 Lead 2Δ/Δ		SER NO										
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi								CC082A						

### APPLICATIONS:

Specifically designed for use on industrial and commercial pumping units.