



## PE145JM-1.5-4

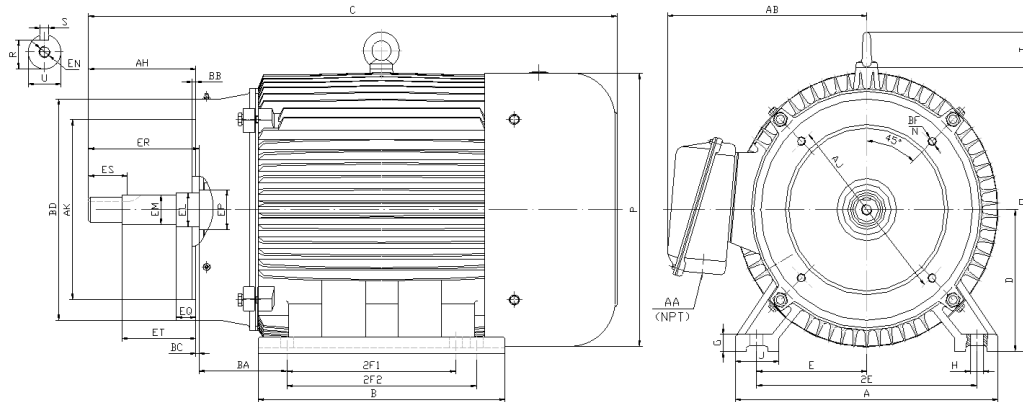
CLOSE COUPLED PUMP MOTORS

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
1.5	1800	145JM	7	7.2	17.23	3.5	0.5	0.34	1.4	2.75	5.5	4	5	7.1	6.95	NA	2.75

FLANGE							Shaft Extension, Key Set										
AH	AJ	AK	BB	BC	BD	BF	U	R	S	EQ	ER	ES	ET	EP	EL	EM	EN
4.281	5.875	4.500	0.156	0.12	6.62	4*3/8-16	0.8745	0.771	0.190	0.640	4.25	1.65	2.890	1.18	1.156	1.0000	3/8-16
4.219		4.497	0.125				0.8740	0.756	0.188	0.610			2.860		1.154	0.9995	

Conduit Box		Bearings		Mount
AA	AB	DE	ODE	
0.75	6.1	6206-ZZ	6205-ZZ	F1

**BEARING LUBRICATION:** The bearings come lubricated with Mobil Polyrex EM Polyurea Grease.





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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
1.5	1750	145JM	208-230/460	60	1.15	F	B	2.8	M	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 %	6206-ZZ	6205-ZZ	9 Lead 2Y/Y	50
2.2	20	86.5	86.0	83.5	0.70	0.62	0.48	4.54	250	330				

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS							
CAT NO.		PE145JM-1.5-4				FRAME		145JM		PHASE		3		<b>208-230V</b> 			
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55						
HP	1.5	RPM	1750	HP	1.5	RPM	1430	DUTY	CONT	DES	B	<b>460V</b> 					
VOLTS	208-230/460			VOLTS	190/380		AMB	40 °C		INS	F						
AMPS	4.7 - 4.4 / 2.2			AMPS	5.4/2.7		DE BRG	6206-ZZ									
CODE	M	P.F.	0.70	CODE	H	P.F.	0.75	ODE BRG	6205-ZZ								
EFF	86.5	MIN	84.0	EFF	84.0	MIN	81.5	LUB:	Mobil Polyrex EM								
MOTOR WEIGHT	50	LBS		CONNECTION	9 Lead 2Y/Y			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.