



PE143JM-1-4

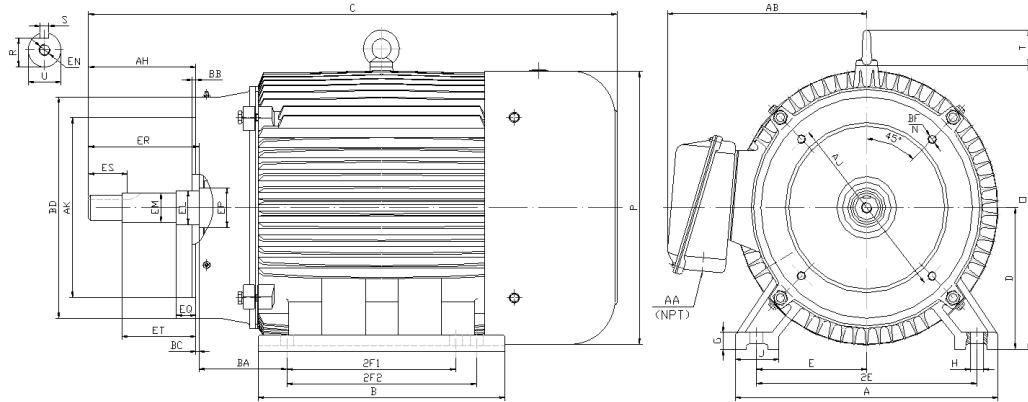
CLOSE COUPLED PUMP MOTORS

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	1800	143JM	7	6.2	16.23	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	1745	143JM	208-230/460	60	1.15	F	B	3.1	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 %				
1.5	15	85.5	85.0	83.6	0.71	0.62	0.49	3.02	275	310	6206-ZZ	6205-ZZ	9 Lead 2Y/Y	45

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS				
CAT NO.		PE143JM-1-4				FRAME		143JM		PHASE		3		
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55			
HP	1	RPM	1745	HP	1	RPM	1430	DUTY CONT	DES B					
VOLTS		208-230/460				VOLTS		190/380		AMB	40 °C		INS	F
AMPS		3.2 - 3 / 1.5		AMPS		3.6/1.8		DE BRG		6206-ZZ				
CODE	M	P.F.	0.71	CODE	H	P.F.	0.77	ODE BRG		6205-ZZ				
EFF	85.5	MIN	82.5	EFF	83.0	MIN	80.0	LUB: Mobil Polyrex EM						
MOTOR WEIGHT		45 LBS		CONNECTION			9 Lead 2Y/Y		SER NO					
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi										CC082A				
208-230V 														
460V 														

APPLICATIONS:

Specifically designed for use on industrial and commercial pumping units.