



PE143JM-1-4

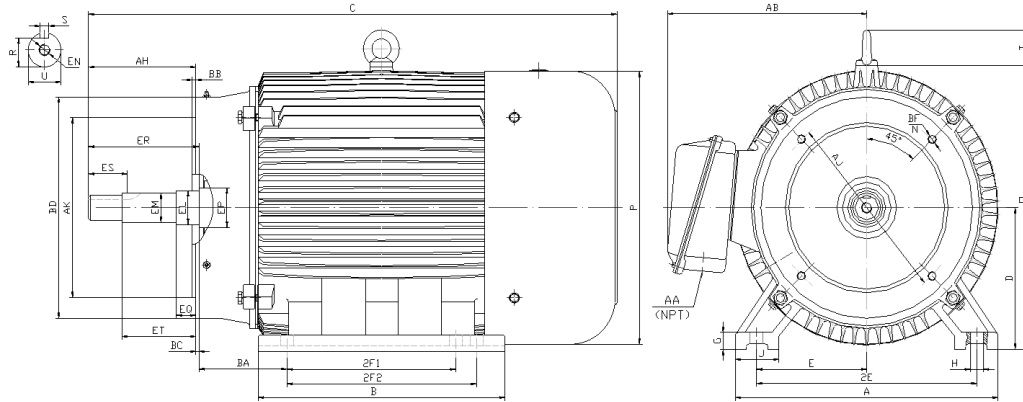
CLOSE COUPLED PUMP MOTORS

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	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

*Usable at 208 Volts

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS				
CAT NO. PE143JM-1-4		FRAME 143JM		PHASE 3		230V								
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55	T4		T5		T6				
HP 1	RPM 1745	HP 1	RPM 1430	DUTY CONT	DES B	T7		T8		T9				
VOLTS 230/460		VOLTS 190/380		AMB 40 °C	INS F	T1		T2		T3				
AMPS 3/1.5		AMPS 3.6/1.8		DE BRG 6206-ZZ		L1		L2		L3				
CODE M	P.F. 0.71	CODE H	P.F. 0.77	ODE BRG 6205-ZZ		460V								
EFF 85.5	MIN 82.5	EFF 83.0	MIN 80.0	LUB: Mobil Polyrex EM		T4		T5		T6				
MOTOR WEIGHT 45 LBS	CONNECTION 9 Lead 2Y/Y		SER NO		T7						T8		T9	
General purpose use on industrial machinery installed in damp, dusty or dirty environments.		ISO9001 CERTIFIED		CE		CSA US 272709		T1		T2		T3		
Hernando, Mississippi		CC082A				L1		L2		L3				

APPLICATIONS:

Specifically designed for use on industrial and commercial pumping units.