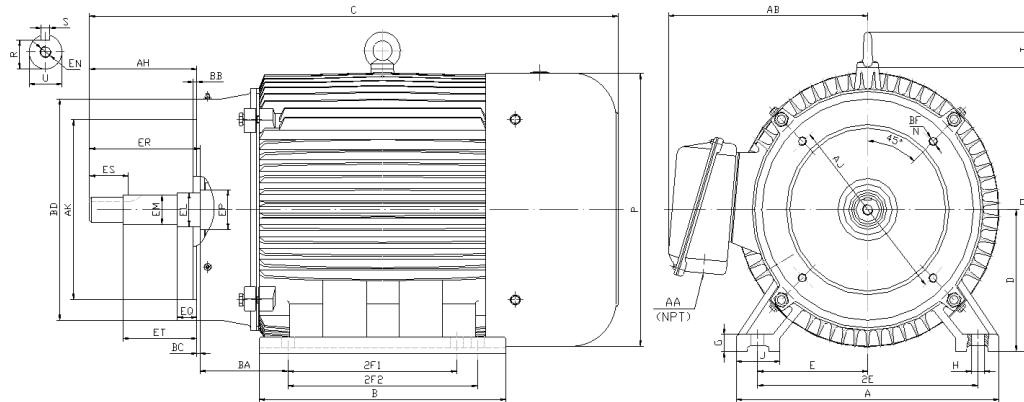




PE143JM-1-4

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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AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL

Kelly MacMillan
 Office Ph: 888-226-4917
 Fax: 888-226-4917
 Cell: 402-679-1579
 E-Mail: kelly@electricalhelper.com





PE143JM-1-4

CLOSE COUPLED PUMP MOTORS
NEMA PREMIUM EFFICIENCY
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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 C US 272709		T1 T2 T3		CC082A		
Hernando, Mississippi								L1 L2 L3				

APPLICATIONS:

Specifically designed for use on industrial and commercial pumping units.



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