



PE213JM-7.5-4

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
7.5	1800	213JM	11	7.9	20.78	5.25	0.7	0.41	2.4	4.25	8.5	5.5	NA	10.5	10.2	1.9	4.25

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	7.25	8.500	0.312	0.25	9	4*1/2-13	0.8745	0.771	0.190	0.640	4.25	1.65	2.890	1.77	1.250	1.0000	3/8-16
4.219		8.497	0.250				0.8740	0.756	0.188	0.610			2.860		1.248	0.9995	

Conduit Box		Bearings		Mount
AA	AB	DE	ODE	
1	8.3	6309-ZZ	6308-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
7.5	1770	213JM	208-230/460	60	1.15	F	B	1.7	H	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 %				
9.2	63	91.7	91.7	90.0	0.80	0.74	0.63	22.51	180	280	6309-ZZ	6308-ZZ	9 Lead 2Y/Y	162

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS			
CAT NO.		PE213JM-7.5-4				FRAME		213JM		PHASE		3	
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55		
HP	7.5	RPM	1770	HP	7.5	RPM	1465	DUTY CONT	DES		B		
VOLTS		208-230/460			VOLTS		190/380		AMB	40 °C		INS	F
AMPS		19.8 - 18.4 / 9.2			AMPS		23/11.5		DE BRG	6309-ZZ			
CODE	H	P.F.	0.80	CODE	G	P.F.	0.83	ODE BRG	6308-ZZ				
EFF	91.7	MIN	90.2	EFF	89.7	MIN	88.2	LUB: Mobil Polyrex EM					
MOTOR WEIGHT	162 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.