



PE254TC-15-4-RB-AI

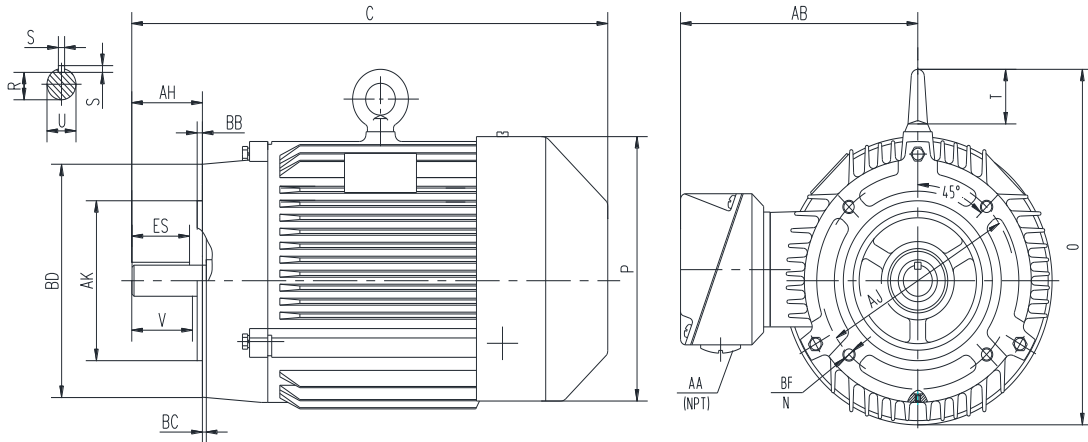
GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

THREE PHASE, TOTALLY ENCLOSED FAN COOLED - C-FLANGE W/ FEET

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
15	1800	254TC	NA	NA	25.70	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.02	2.05	NA

FLANGE							Shaft Extension, Key Set						Conduit Box		Bearings		Mount
AH	AJ	AK	BB	BC	BD	BF	U	V	R	S	ES	N-W	AA	AB	DE	ODE	
3.75	7.250	8.50	0.25	0.25	10.00	4*1/2-13	1.625	3.75	1.416	0.375	2.91	4.00	1.25	11.22	6309	6309	F1

BEARING LUBRICATION: The bearings come lubricated with Mobil Polyrex EM Polyurea Grease. It is recommended that you add some additional lubrication when the motor is installed.

Three options (brands) for suitable lubrication include, but are not limited to, the following:

- 1.) Mobil Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP





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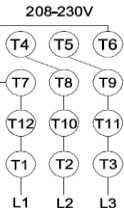
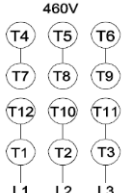
PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
15	1750	254TC	208-230/460	60	1.15	F	B	2.8	G	TEFC	55	40° C

Amps (460V)		Efficiency (%)				Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	Min.	100%	75%	50%	FLT	LRT %	BDT %	6309	6309	12 Lead 2Δ/Δ	328
18.0	116.0	92.4	92.2	92.0	91.0	0.860	0.850	0.750	44.8	185	230				

NAME PLATE

				AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT						CONNECTION DIAGRAMS	
CAT NO: PE254TC-15-4-RB-AI				FRAME 254TC				PHASE 3			
HZ 60		S.F. 1.15		HZ 50		S.F. 1.0		ENCL TEFC		IP 55	
HP 15		RPM 1750		HP 15		RPM 1470		DUTY CONT		DES B	
VOLTS 208-230/460				VOLTS 190/380				AMB 40° C		INS F	
FLA 39.8 - 36 / 18				FLA 45.8/22.9				DE BEARING 6309			
CODE G		P.F. 0.86		CODE H		P.F. 0.86		ODE BEARING 6309			
EFF 92.4		MIN 91.0		EFF 91.7		MIN 90.2		LUB: Mobil Polyrex EM			
MOTOR WEIGHT 328 LBS				CONNECTION 12 Lead 2Δ/Δ				SER NO			
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi											
										CC113B	

APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments.