



PE286TC-30-4-RB-AI

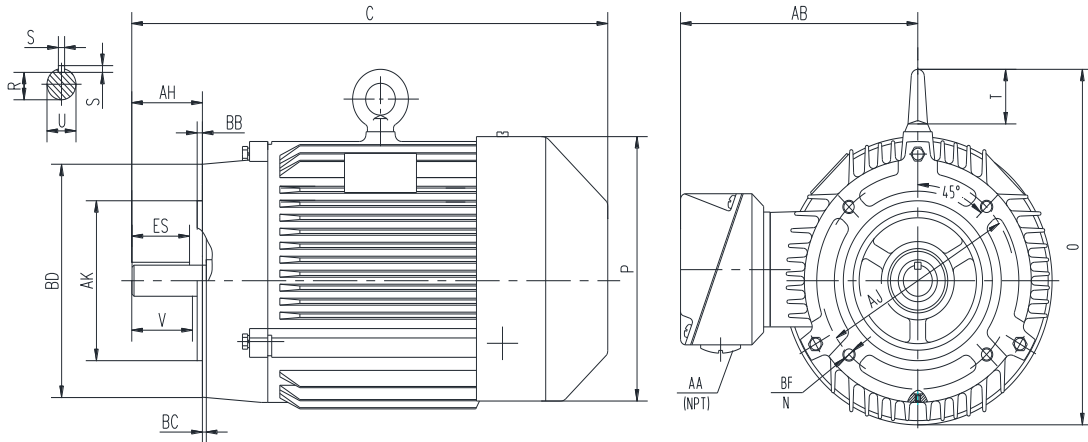
GENERAL PURPOSE ELECTRIC MOTOR

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
30	1800	286TC	NA	NA	28.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.71	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	
4.38	9.000	10.50	0.25	0.25	11.25	4*1/2-13	1.875	4.38	1.591	0.500	3.28	4.62	1.50	12.40	6311	6311	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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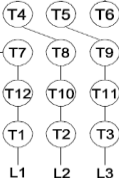
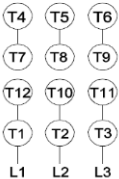
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PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
30	1760	286TC	208-230/460	60	1.15	F	B	2.2	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 %	6311	6311	12 Lead 2Δ/Δ	484
34.0	217.0	93.6	93.2	93.7	92.4	0.900	0.880	0.800	89.1	185	280				

NAME PLATE

						AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT												CONNECTION DIAGRAMS																	
CAT NO: PE286TC-30-4-RB-AI						FRAME 286TC						PHASE 3						208-230V																	
HZ 60			S.F. 1.15			HZ 50			S.F. 1.0			ENCL TEFC			IP 55																				
HP 30			RPM 1760			HP 30			RPM 1470			DUTY CONT			DES B																				
VOLTS 208-230/460						VOLTS 190/380						AMB 40° C						INS F																	
FLA 75.2 - 68 / 34						FLA 83.6/41.8						DE BEARING 6311																							
CODE G			P.F. 0.90			CODE H			P.F. 0.90			ODE BEARING 6311																							
EFF 93.6			MIN 92.4			EFF 93.0			MIN 91.7			LUB: Mobil Polyrex EM																							
MOTOR WEIGHT 484 LBS						CONNECTION 12 Lead 2Δ/Δ						SER NO																							
General purpose use on industrial machinery installed in damp, dusty or dirty environments.																														CC113B					
Hernando, Mississippi																																			

APPLICATIONS:

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