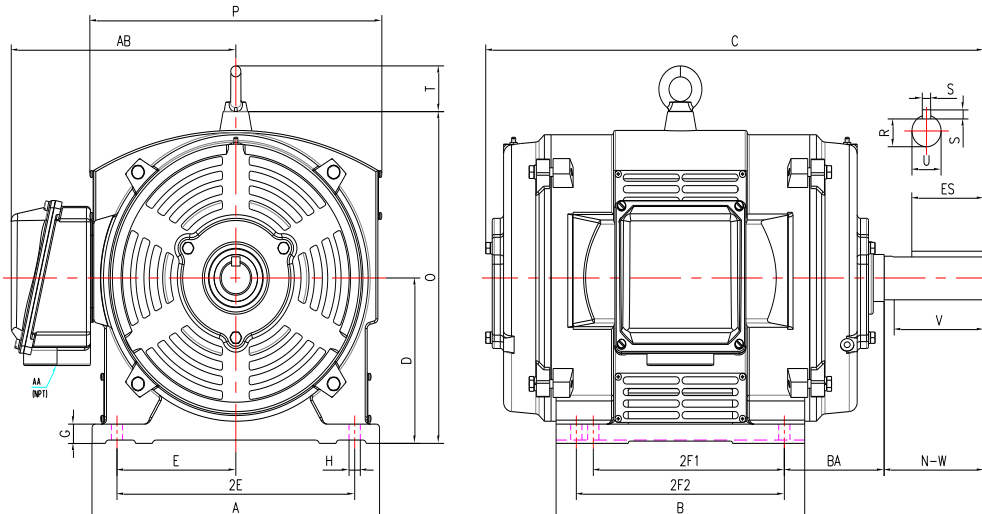


PE286TS-40-2-ODP

GENERAL PURPOSE ELECTRIC MOTOR
 NEMA PREMIUM EFFICIENCY
 OPEN DRIP PROOF
 CAST IRON CONSTRUCTION
 INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31



DIMENSIONS

HP	RPM	Frame	MOUNTING														
			A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
40	3600	286TS	13	12.8	23.43	7	0.7	0.53	NA	5.5	11	9.5	11	14.3	13.95	2.2	4.75

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.625	3	1.416	0.375	1.91	3.25	1.5	10.1	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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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
40	3545	286TS	208-230/460	60	1.15	F	B	1.5	G	ODP	23	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 %				
45	290	92.4	92.0	91.0	0.89	0.87	0.82	59.2	160	250	6311	6311	12 Lead 2Δ/Δ	414

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS		
CAT NO.		PE286TS-40-2-ODP				FRAME		286TS		PHASE 3		
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	ODP	IP	23	
HP	40	RPM	3545	HP	40	RPM	2935	DUTY CONT	DES	B		
VOLTS		208-230/460		VOLTS		190/380		AMB	40 °C	INS	F	
AMPS		99 - 90 / 45		AMPS		110/55		DE BRG	6311			
CODE	G	P.F.	0.89	CODE	E	P.F.	0.91	ODE BRG	6311			
EFF	92.4	MIN	91.0	EFF	90.7	MIN	89.3	LUB:	Mobil Polyrex EM			
MOTOR WEIGHT	414 LBS		CONNECTION			12 Lead 2Δ/Δ		SER NO				
General purpose use on industrial machinery installed in environments with minimal dirt and moisture.												
Hermando, Mississippi												
								CC082A				

APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in environments with minimal dirt and moisture.