



PE286JP-30-2

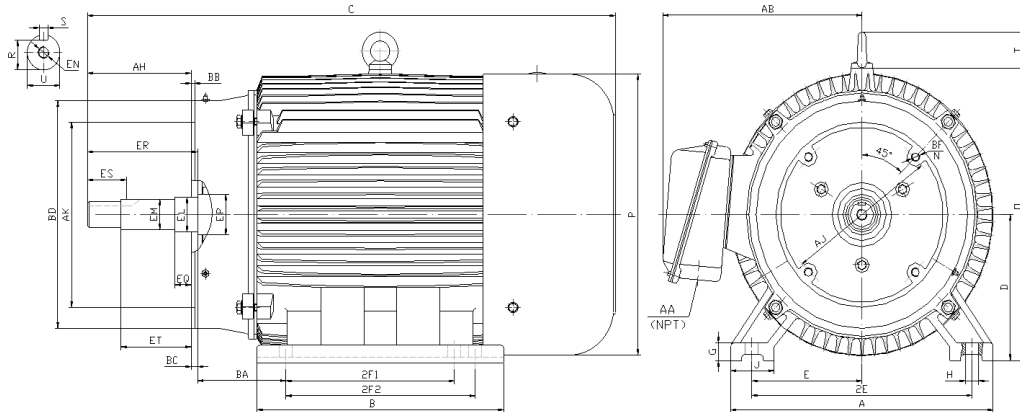
CLOSE COUPLED PUMP MOTORS

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED, JP 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
30	3600	286JP	14	13.2	31.85	7	0.85	0.53	2.75	5.5	11	9.5	11	14.5	14	2.2	4.75

FLANGE							Shaft Extension, Key Set										
AH	AJ	AK	BB	BC	BD	BF	U	R	S	EQ	ER	ES	ET	EP	EL	EM	EN
8.156	11	12.500	0.312	0.25	14	4*5/8-11	1.2495	1.112	0.252	2.390	8.125	2.53	5.895	2.16	1.750	1.3750	1/2-13
8.094		12.495	0.250				1.2490	1.097	0.250	2.360			5.855		1.748	1.3745	

Conduit Box		Bearings		Mount
AA	AB	DE	ODE	
1.5	11.3	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





PE286JP-30-2

CLOSE COUPLED PUMP MOTORS

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED, JP 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

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	3530	286JP	230/460	60	1.15	F	B	1.9	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%	100%	75%	50%	FLT	LRT %	BDT %				
34.5	217	91.7	91.5	90.5	0.90	0.87	0.80	44.5	150	260	6311	6311	12 Lead 2Δ/Δ	412

*Usable at 208 Volts

NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS 230V		
CAT NO. PE286JP-30-2		FRAME 286JP		PHASE 3								
HZ 60	S.F. 1.15	HZ 50	S.F. 1.0	ENCL TEFC	IP 55							
HP 30	RPM 3530	HP 30	RPM 2920	DUTY CONT	DES B							
VOLTS 230/460		VOLTS 190/380		AMB 40 °C	INS F							
AMPS 69/34.5		AMPS 82/41		DE BRG 6311								
CODE G	P.F. 0.90	CODE F	P.F. 0.91	ODE BRG 6311								
EFF 91.7	MIN 90.2	EFF 90.0	MIN 88.5	LUB: Mobil Polyrex EM								
MOTOR WEIGHT 412 LBS		CONNECTION 12 Lead 2Δ/Δ		SER NO								
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi								CC082A		460V 		

APPLICATIONS:

Specifically designed for use on industrial and commercial pumping units.