



**WORLDWIDE ELECTRIC MOTOR DATA SHEET**  
**PREMIUM EFFICIENT VERTICAL HOLLOW SHAFT MOTOR**



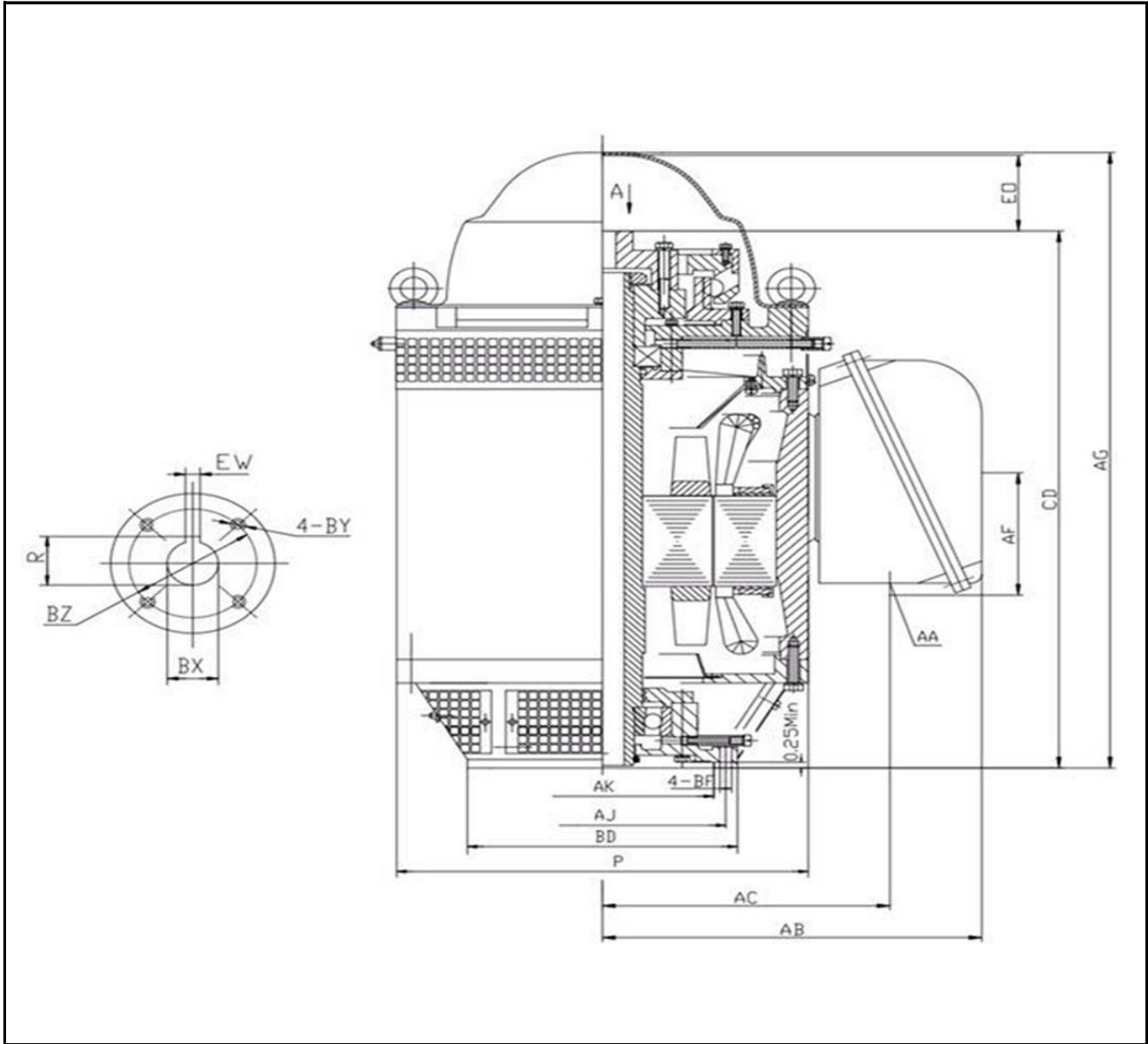
# WPEVHS30-18-286TP-12

HORSEPOWER	<b>30</b>		
RPM / POLES	<b>1800 / 4</b>		
VOLTAGE / PHASE	<b>230 / 460 V / 3</b>		
FRAME	<b>286TP</b>		
ENCLOSURE / DEGREE OF PROTECTION	<b>WPI / IP23 (With Rodent Screens)</b>		
FREQUENCY	<b>60 HZ Suitable For 50 HZ Operation With 1.0 SF</b>		
FULL LOAD SPEED	<b>1785 RPM</b>		
SERVICE FACTOR	<b>1.15</b>		
INSULATION CLASS	<b>F</b>		
FULL LOAD AMPS; 230 / 460	<b>68.2 / 34.0 A</b>		
LOCKED ROTOR AMPS (STARTING); 230 / 460	<b>512 / 256 A</b>		
NEMA CODE LETTER	<b>H</b>		
EFFICIENCY / POWER FACTOR	<u>LOAD</u>	<u>EFF.</u>	<u>P.F.</u>
	<b>100%</b>	<b>94.1%</b>	<b>0.86</b>
DUTY CYCLE	<b>CONTINUOUS</b>		
TORQUE	<u>FULL LOAD</u>	<u>LRT</u>	<u>BDT</u>
	<b>88.0 lb.ft.</b>	<b>212%</b>	<b>240%</b>
NEMA DESIGN	<b>B</b>		
MAX. AMBIENT TEMPERATURE	<b>40° C</b>		
MAX. ELEVATION	<b>3300 Ft. Above Sea Level</b>		
TEMPERATURE RISE (At Full Load)	<b>80° C</b>		
SOUND PRESSURE LEVEL	<b>88 dB(A)</b>		
MAX. DOWN THRUST	<b>3200 lbs.</b>		
LOWER THRUST BEARING	<b>7312B</b>		
REGREASING INT. (LOWER)	<b>12 Months</b>		
GREASE TYPE (LOWER)	<b>Mobil Polyrex EM</b>		
UPPER RADIAL BALL BEARING	<b>6212</b>		
REGREASING INT. (UPPER)	<b>12-24 Months (Please See Maintenance Manual)</b>		
GREASE TYPE (UPPER)	<b>Mobil Polyrex EM</b>		
ROTATION	<b>Unidirectional (Non-Reverse Ball Type Ratchet Assembly)</b>		
CONNECTION DIAGRAM	<b>230 / 460 V - 12 Lead Δ</b>		
LEAD SIZE	<b>10 AWG</b>		
LEAD LENGTH	<b>14 in.</b>		
APPROXIMATE WEIGHT	<b>507 lbs.</b>		
INVERTER RATING	<b>10:1 VT PWM Type (1600 V Spike-Resistant Wire)</b>		



# WORLDWIDE ELECTRIC MOTOR DRAWING

## WPEVHS-286TP



**DIMENSIONS - INCHES**

BD	AJ	AK	BF	BX	BZ	EW	R	BY
12	9.125	8.25	0.44	1	1.375	0.25	1.13	10-32

CD	EO>	AC	AA	AF	OVERALL DIMENSIONS		
					P	AB	AG
24.75	4.29	11.65	3" NPT	5.83	17.32	15.07	29.04