



DATA SHEET

Premium Efficiency Motor: **WPEVHS50-18-326TP-16.5,****60 Hz**

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Document ID:

Customer:

MOTOR INFORMATION

HP	50
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	326TP
Enclosure	ODP - WPI
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1785
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.83%
NEMA Design	B
Moment of Inertia	13.6 lb.ft.^2
Locked Rotor Time (Hot)	62 seconds
Sound Pressure Level	91 dB(A)
Number of Starts	3 Cold / 2 Hot
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	V1
Rotation	CCW - with Anti-Reverese Ratchet
Area of Classification	Safe
Inverter Rating	10:1 VT
Standard	NEMA MG-1
Approvals	CSA

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	94.5 %	0.87
75%	94.2 %	0.84
50%	93.0 %	0.76

TORQUE

FULL LOAD	LRT	BDT
146 lb.ft.	194 %	262 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	113A	56.4A
Locked Rotor Amps	703A	351.5
No Load Current	A	
	39A	19.5A

BEARING INFORMATION

Lower (DE) Bearing	6213-C3
Upper (ODE) Bearing	7221B
DE Lubrication Type	Mobil Polyrex EM
ODE Lubrication Type	ISO VC 32 Oil
DE Regreasing Interval	3800 Hours
ODE Regreasing Interval	3800 Hours
Lubrication Quantity	40g / 2.34qt

ADDITIONAL DATA

Down Thrust	5500 lbs
Shaft Material	45 Carbon Steel
Connection Diagram	12 Lead 2Δ/Δ
Approximate Weight	825 lbs.

Vertical Hollow Shaft Motor Drawing



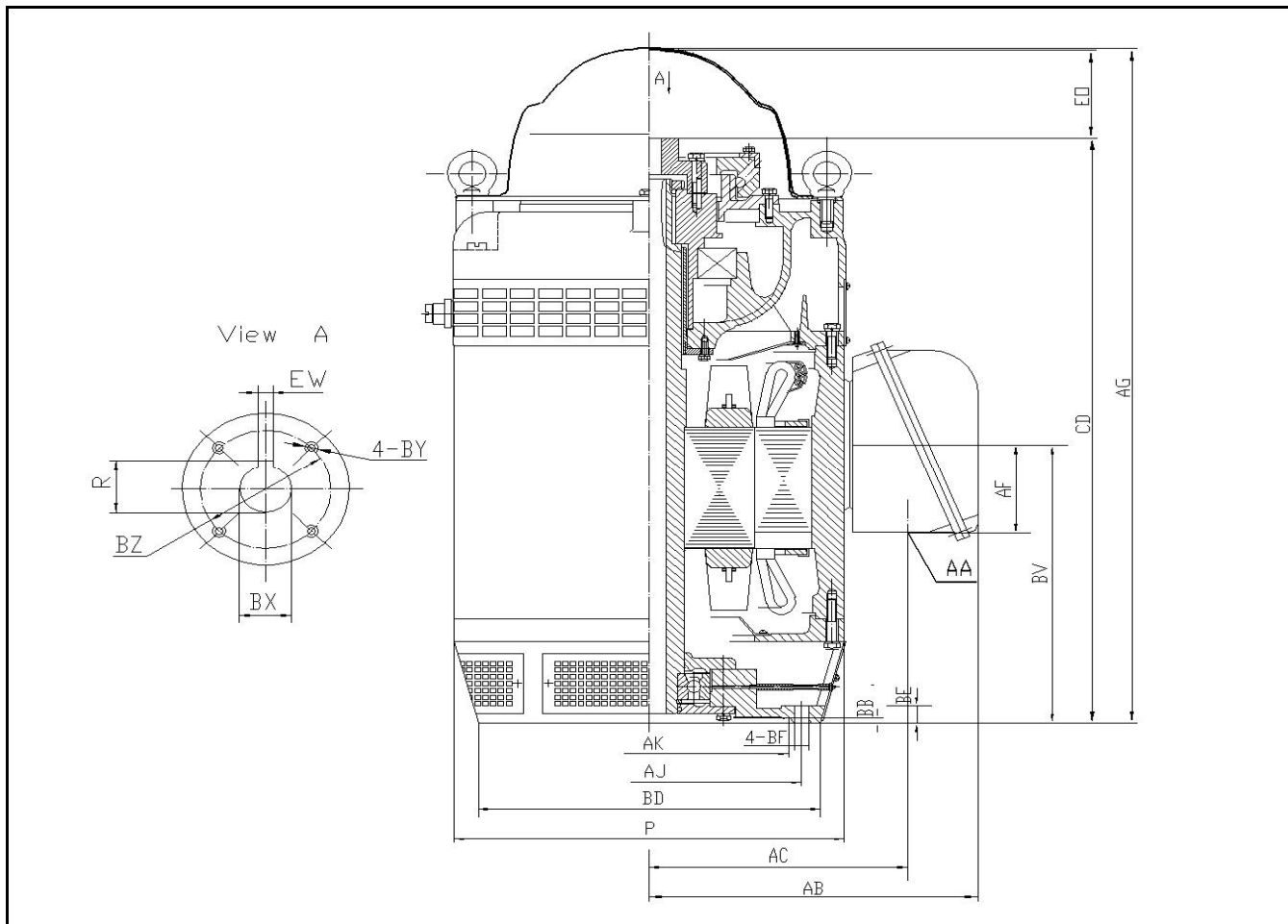
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AC-DC MOTORS :: SALES & SERVICE
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326TP - 16.5 BD



DIMENSIONS - INCHES

COUPLING - STANDARD BORE				
BX	EW	R	BY	BZ
1-1/4	1/4	1.367	1/4-20	1-3/4

OVERALL			
P	AB	AG	BV
17.32	15.44	32.7	14.5

8

BASE						
AJ	AK	BB	BD	BF	EO	BE
14.75	13.5	0.25	16.5	4 * 0.69	4.22	0.79
CD	AC	AF	AA			
28.22	11.65	5.83	3 NPT			

Revised - 5/11/2022



PERFORMANCE CURVES

Premium Efficiency Motor:

WPEVHS50-18-326TP-16.5

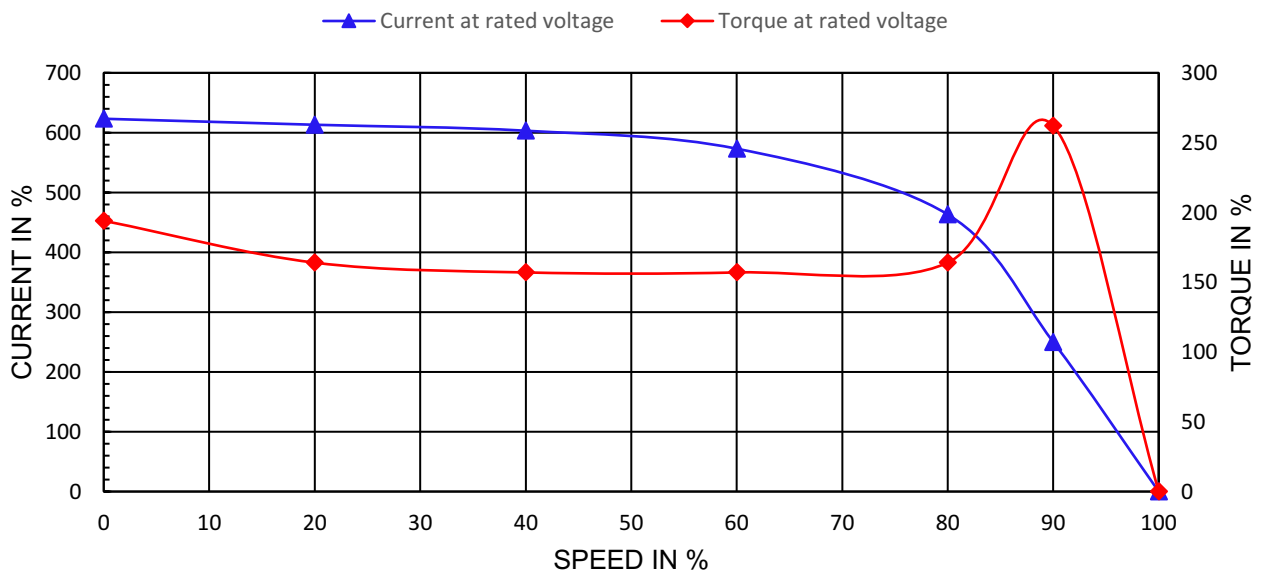
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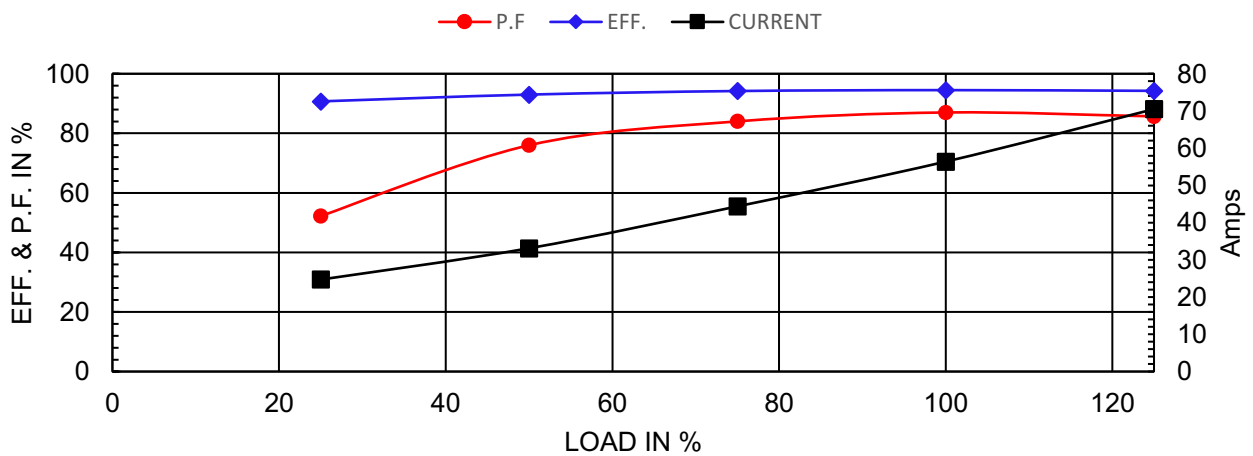
Customer:

Motor Type	WPEVHS				
Output Rating (HP)	50		FL Speed	1785	
Full Load Torque	146	lb.ft	LRT (%FLT)	194	460 volt FLA 56.4A
Rotor Wk^2	94.5	lb-ft^2	BDT (%FLT)	262	230 volt FLA 113A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F. & CURRENT CURVE





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NAMEPLATE / WIRING

Premium Efficiency Motor: **WPEVHS50-18-326TP-16.5**

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SAMPLE NAMEPLATE DATA

 PREMIUM EFFICIENCY THREE PHASE VHS MOTOR			CC326B
Model:			
Frame:	Ins Cl: F	Hz: 60	50
HP:	AMB. 40 C	Volt: 230/460	200/400
Duty: CONT	Lbs.	Amps:	
Nominal Eff:		RPM:	
Encl: WPI DP		SF:	
DE/ODE Brng:		SFA: A	A
S/N		LRA: A	A
Down thrust rating:		lbs.	
Inverter Rated 10:1 VT			
ROTATION 			
WORLDWIDE ELECTRIC CORPORATION			

230V
 T4 T9 T6
 T8 T5 T7
 T10 T11 T12
 T2 T3 T1

460V
 T4 T5 T6
 T7 T8 T9
 T10 T11 T12
 T2 T3 T1

MADE IN CHINA

Model	WPEVHS50-18-326TP-16.5		
Frame	326TP	Amps	60 Hz 113/56.4A 50 Hz 126/63A
HP	50	RPM	1785 1485
Nom.Eff.	94.5%	SF	1.15 1.15
DE/ODE Brng	6213-		126/63A 142/71A
C3 7221B SFA Down Thrust		56RA	703/351.5A 852/426A
lbs			