



Electrical Helper.org
For All Your Electric Needs Since 1928
411 N Platte Ave. York, NE. 68467

AC-DC MOTORS :: SALES & SERVICE
REWINDING :: CUSTOM CONTROL PANEL
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WorldWide
ELECTRIC CORPORATION

DATA SHEET

Premium Efficiency Motor: **WPEVHS60-18-364TP-16.5,**

60 Hz

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Customer:

MOTOR INFORMATION

HP	60
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	364TP
Enclosure	ODP - WPI
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1787
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.81%
NEMA Design	B
Moment of Inertia	16.1 lb.ft.^2
Locked Rotor Time (Hot)	72 seconds
Sound Pressure Level	94 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%	95.0 %	0.87
75%	94.8 %	0.84
50%	93.9 %	0.76

TORQUE

FULL LOAD	LRT	BDT
175 lb.ft.	184 %	254 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	137A	68.3A
Locked Rotor Amps	844.2A	422.1A
No Load Current	47A	23.5A

BEARING INFORMATION

Lower (DE) Bearing	6314-C3
Upper (ODE) Bearing	7224B
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	55g / 2.81qt

ADDITIONAL DATA

Down Thrust	5600 lbs
Shaft Material	45 Carbon Steel
Connection Diagram	12 Lead 2Δ/Δ
Approximate Weight	983 lbs.



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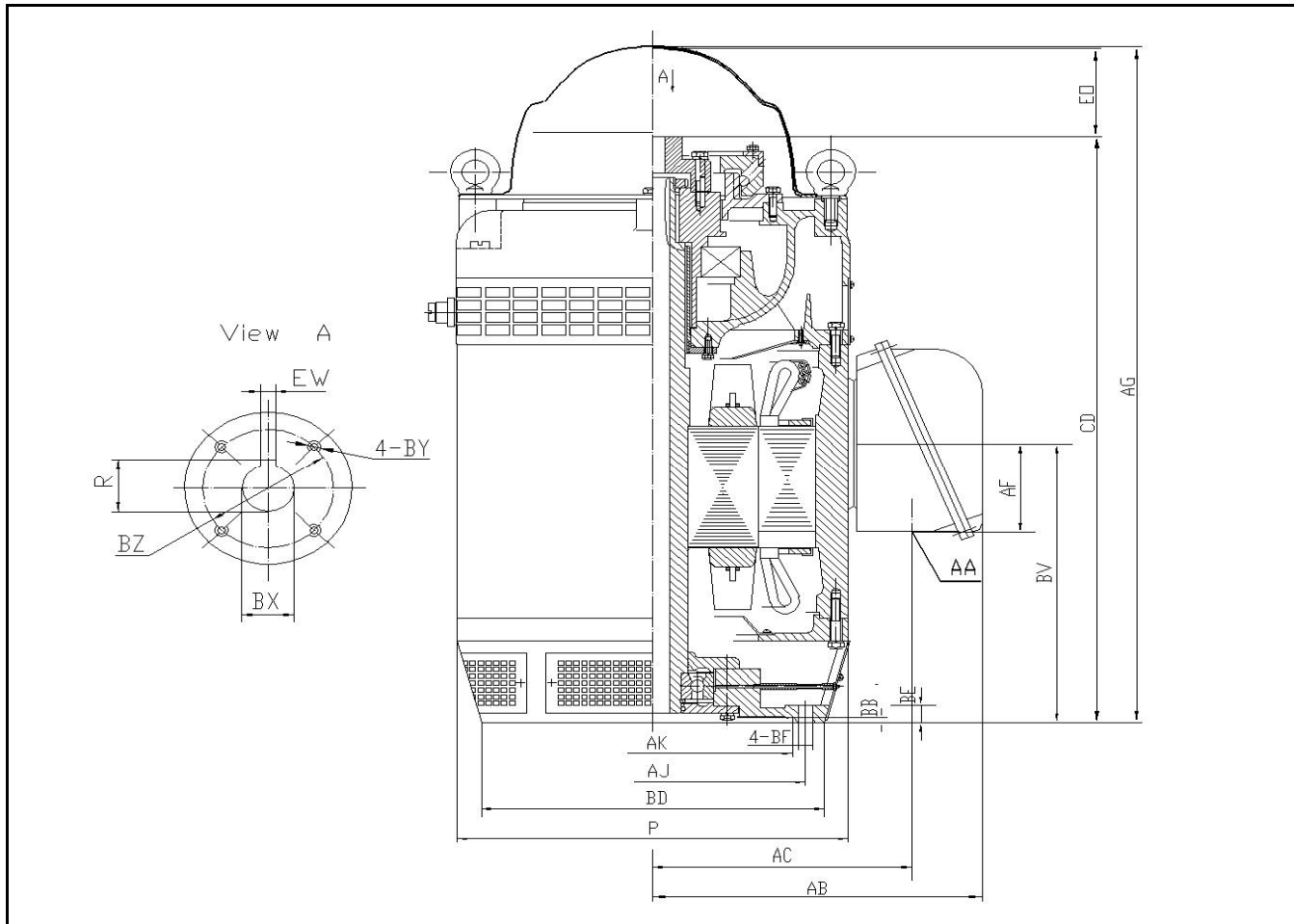
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Vertical Hollow Shaft Motor Drawing

364TP - 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
19.1	16.32	36	14.9

7

BASE						
AJ	AK	BB	BD	BF	EO	BE
14.75	13.5	0.25	16.5	4 * 0.69	4.56	0.79
CD	AC	AF	AA			
31.16	12.56	5.83	3 NPT			

Revised - 5/11/2022



PERFORMANCE CURVES

Premium Efficiency Motor:

WPEVHS60-18-364TP-16.5

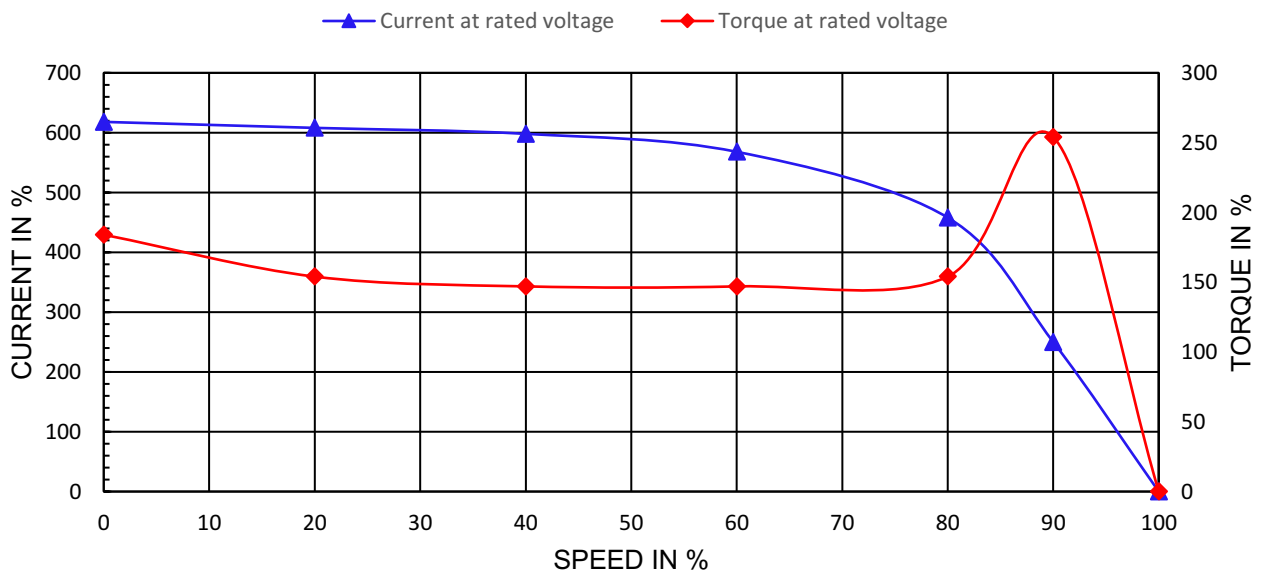
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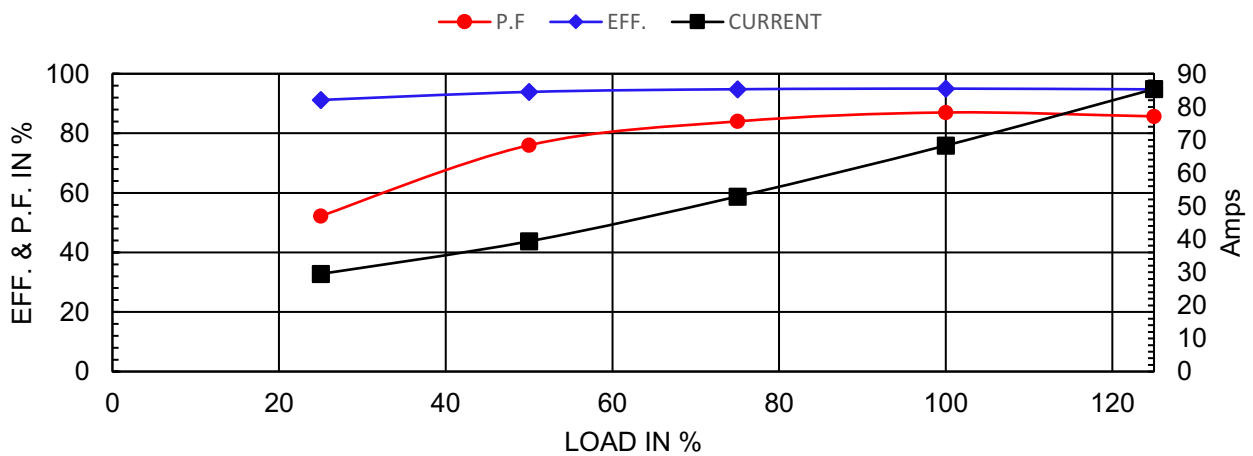
Customer:

Motor Type	WPEVHS		FL Speed	1787		
Output Rating (HP)	60		LRT (%FLT)	184	460 volt FLA	68.3A
Full Load Torque	175	lb.ft	BDT (%FLT)	254	230 volt FLA	137A
Rotor Wk^2	95	lb-ft^2				

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor: **WPEVHS60-18-364TP-16.5**



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SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY THREE PHASE VHS MOTOR			CC326B
Model:					
Frame:	Ins Cl: F	Hz:	60	50	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
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					

Model	WPEVHS60-18-364TP-		60 Hz	50 Hz
16.5 Frame	364TP	Amps	137/68.3A	158/79A
HP	60	RPM	1787	1485
Nom.Eff.	95.0%	SF	1.15	1.15
DE/ODE Brng	6314-		158/79A	180/90A
C3 7224B	SFA Down Thrust	56RA	844.2/422.1A	1058/529A
lbs				