



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



WorldWide
ELECTRIC CORPORATION

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

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DATA SHEET

Premium Efficiency Motor: **WPEVHS150-18-460-444TP-DB-16.5, 60 Hz**

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MOTOR INFORMATION

HP	150
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	460
Frame Size	444TP
Enclosure	ODP - WPI
Degree of Protection	IP23
Service Factor	1.15
Poles	4
Full Load Speed	1788
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.67%
NEMA Design	B
Moment of Inertia	57.1 lb.ft.^2
Locked Rotor Time (Hot)	47 seconds
Sound Pressure Level	97 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%	95.8 %	0.88
75%	93.8 %	0.88
50%	91.8 %	0.82

TORQUE

FULL LOAD	LRT	BDT
438 lb.ft.	196 %	220 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	-A	165A
Locked Rotor Amps	-A	1185A
No Load Current	-A	45.7A

BEARING INFORMATION

Lower (DE) Bearing	6318-C3
Upper (ODE) Bearing	7232B/DT
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	95g / 5.61qt

ADDITIONAL DATA

Down Thrust	14400 lbs
Shaft Material	45 Carbon Steel
Connection Diagram	12 Lead △
Approximate Weight	1984 lbs.



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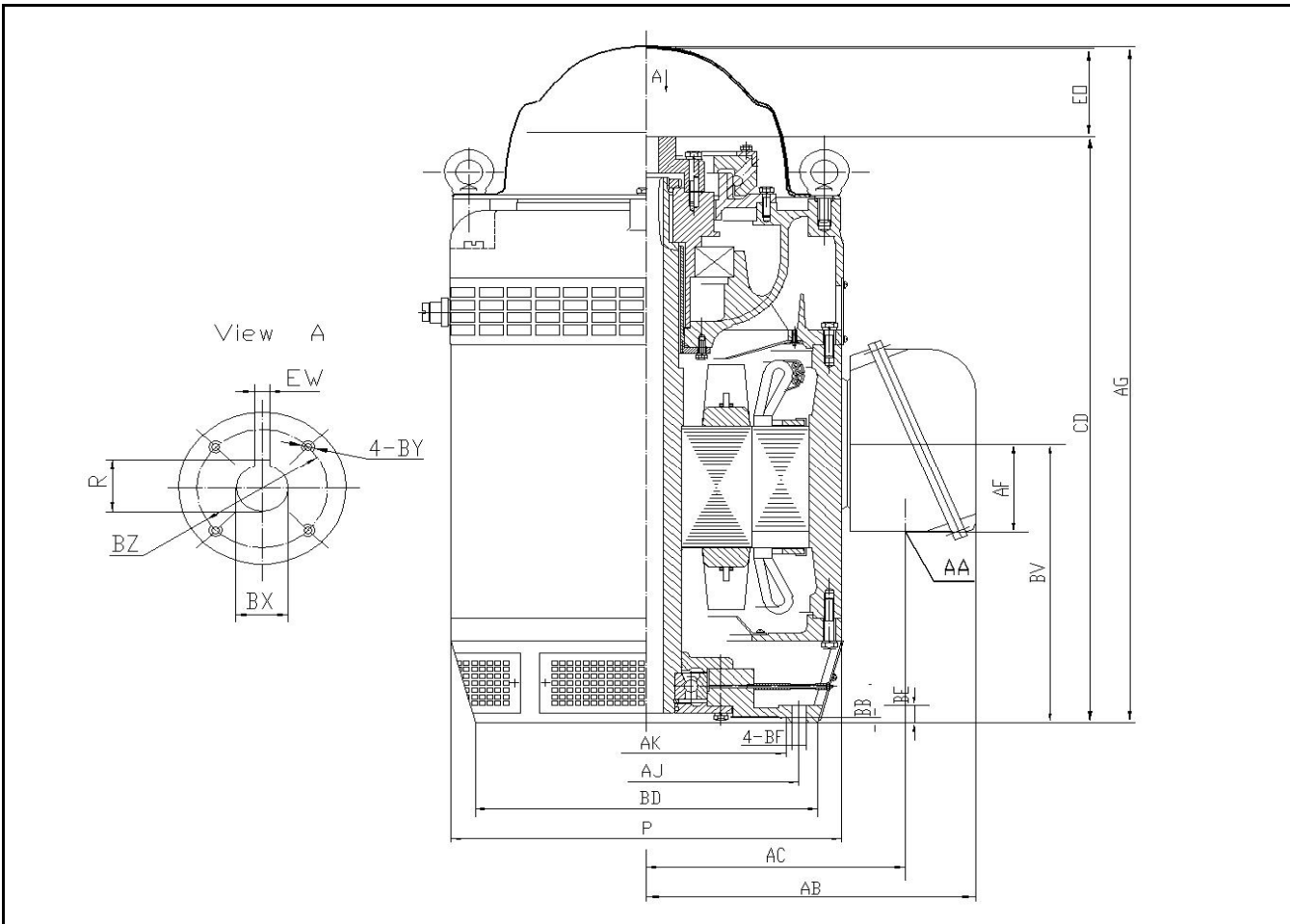
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Vertical Hollow Shaft Motor Drawing

444TP - 16.5 BD



DIMENSIONS - INCHES

COUPLING - STANDARD BORE				
BX	EW	R	BY	BZ
1-11/16	3/8	1.854	1/4-20	2-1/2

OVERALL			
P	AB	AG	BV
23.3	20.7	50.18	22.46

BASE						
AJ	AK	BB	BD	BF	EO	BE
14.75	13.5	0.25	16.5	4 * 0.69	5.4	1.18

CD	AC	AF	AA
44.78	16.18	7.56	3 NPT

Revised - 5/11/2022



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PERFORMANCE CURVES

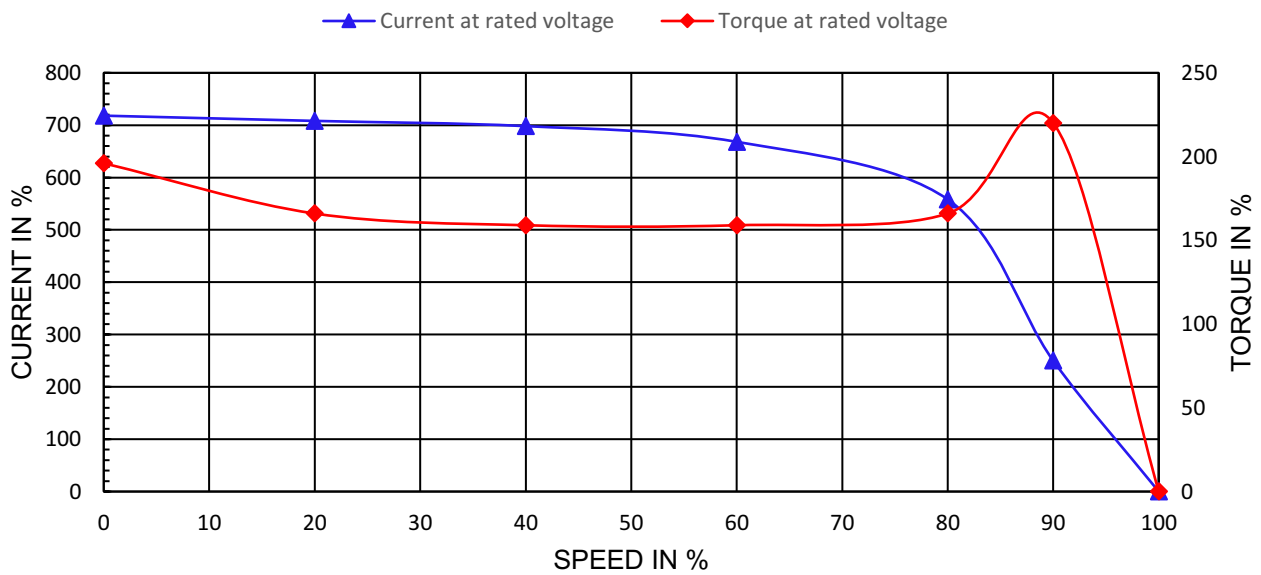
Premium Efficiency Motor:

WPEVHS150-18-460-444TP-DB-16.5

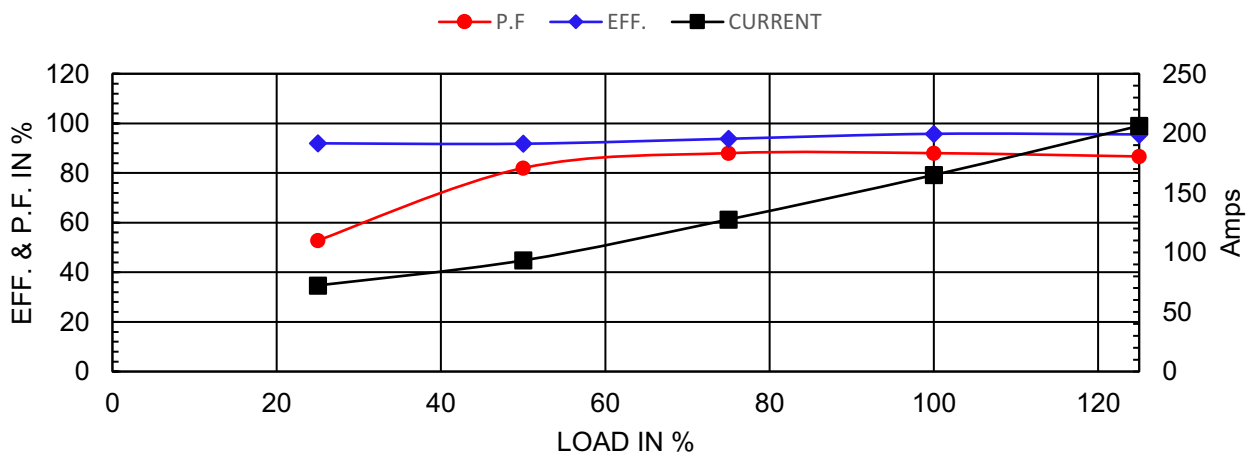
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Motor Type	WPEVHS		FL Speed	1788		
Output Rating (HP)	150		LRT (%FLT)	196	460 volt FLA	165A
Full Load Torque	438	lb.ft	BDT (%FLT)	220	230 volt FLA	-A
Rotor Wk^2	95.8	lb-ft^2				

SPEED VS TORQUE & CURRENT CURVE



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





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NAMEPLATE / WIRING

Premium Efficiency Motor: **WPEVHS150-18-460-444TP-DB-16.5**

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SAMPLE NAMEPLATE DATA

		PREMIUM EFFICIENCY THREE PHASE VHS MOTOR			CC326B
Model:					
Frame:	Ins Cl: F	Hz:	60	50	 460V MADE IN CHINA
HP:	AMB. 40 C	Volt:	460	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	WPEVHS150-18-460-444TP-DB-16.5		60 Hz	50 Hz
Frame	444TP	Amps	165A	195A
HP	150	RPM	1788	1485
Nom.Eff.	95.8%	SF	1.15	1.15
DE/ODE Brng	6318-C3 7232B/DT	SFA	190A	224A
Down Thrust	14400 lbs	LRA	1185A	2138A