



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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DATA SHEET

Premium Efficiency Motor: **WPEVHS75-18-365TP-16.5,**

60 Hz

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MOTOR INFORMATION

HP	75
RPM	1800
Phase	3
Frequency	60 Hz
Voltage	230/460
Frame Size	365TP
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	0.79%
NEMA Design	B
Moment of Inertia	17.3 lb.ft.^2
Locked Rotor Time (Hot)	51 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%	94.7 %	0.8
50%	5	
	93.5 %	0.79

TORQUE

FULL LOAD	LRT	BDT
219 lb.ft.	213 %	271 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	170A	85A
Locked Rotor Amps	1084A	542.2
No Load Current	A	
	58.2A	29.1A

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	1034 lbs.



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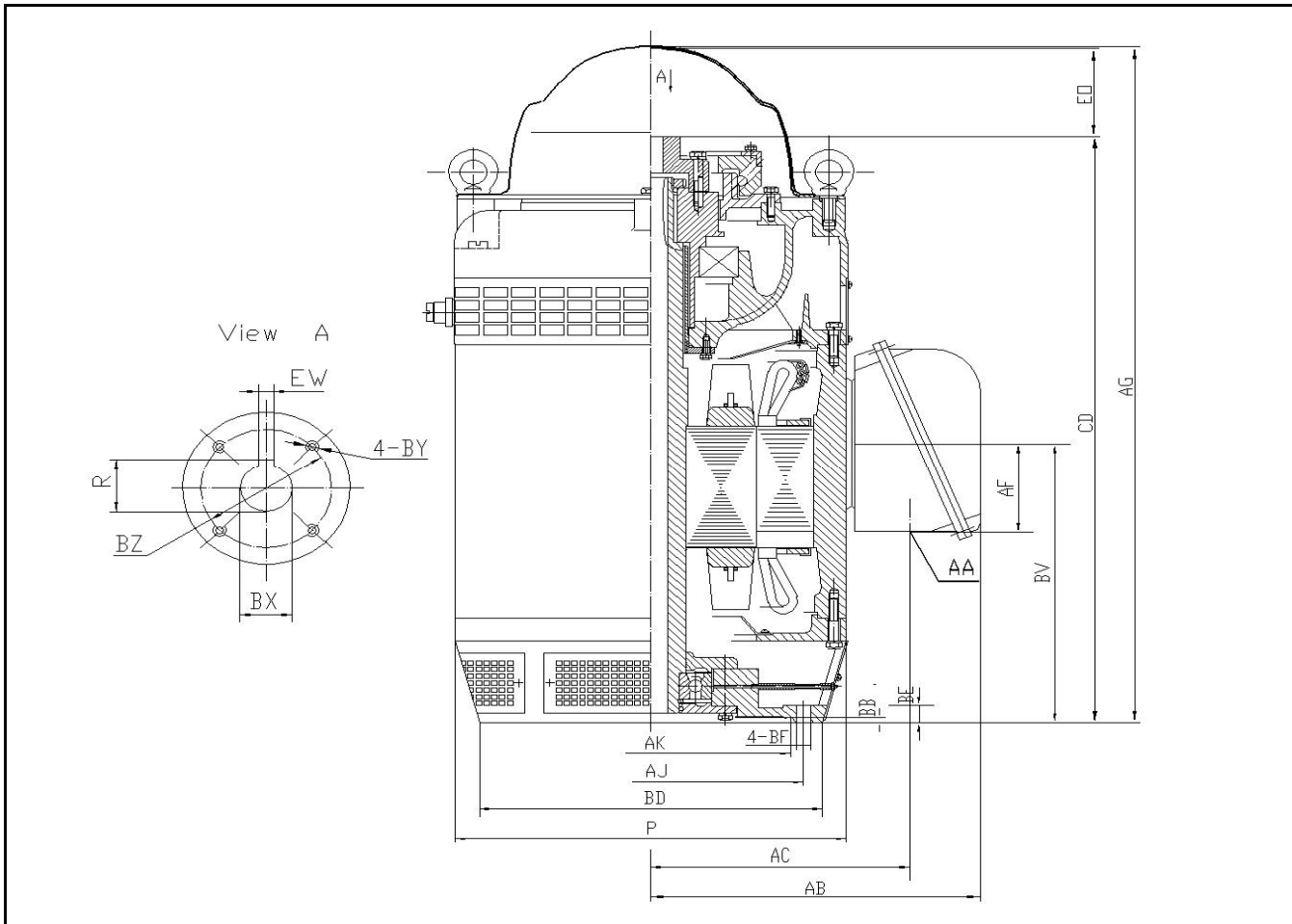
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Vertical Hollow Shaft Motor Drawing

365TP - 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			

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PERFORMANCE CURVES

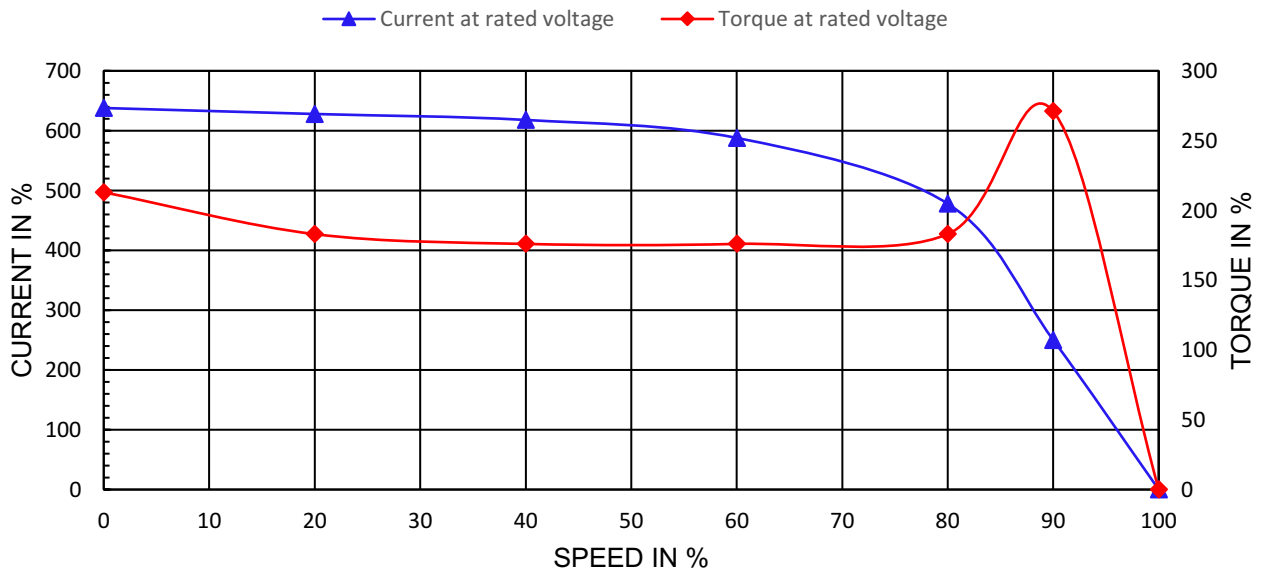
Premium Efficiency Motor:

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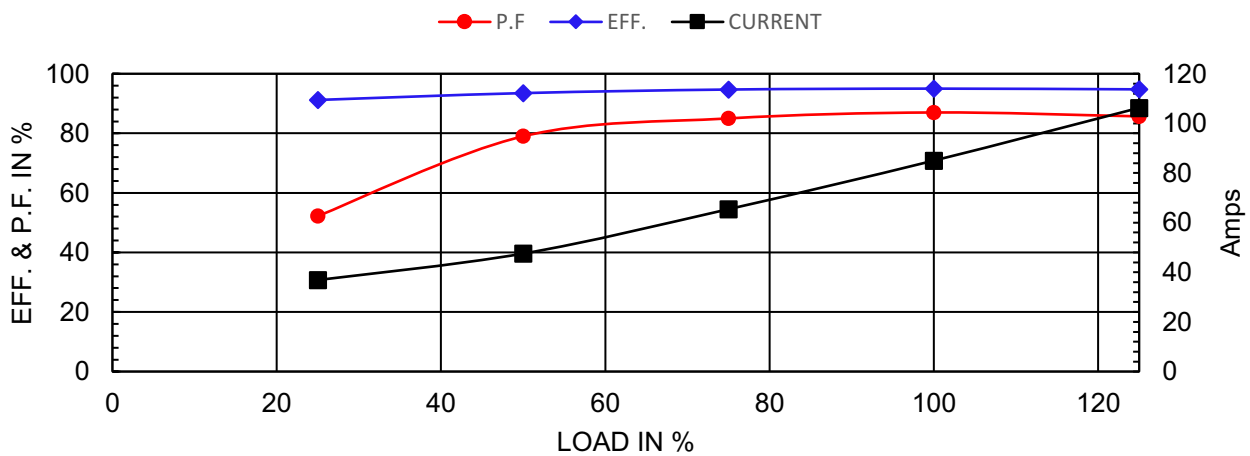
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Motor Type	WPEVHS			FL Speed	1787		
Output Rating (HP)	75			LRT (%FLT)	213	460 volt FLA	85A
Full Load Torque	219	lb.ft		BDT (%FLT)	271	230 volt FLA	170A
Rotor Wk^2	95	lb-ft^2					

SPEED VS TORQUE & CURRENT CURVE



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



NAMEPLATE / WIRING

Premium Efficiency Motor: **WPEVHS75-18-365TP-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	WPEVHS75-18-365TP-		60 Hz	50 Hz
16.5 Frame	365TP	Amps	170/85A	196/98A
HP	75	RPM	1787	1485
Nom.Eff.	95.0%	SF	1.15	1.15
DE/ODE Brng	6314-		196/98A	226/113A
C3 7224B	SFA Down Thrust	568A	1084/542.2A	1379/688A
lbs				