

DATA SHEET

Premium Efficiency Motor: **SSPENV1-36-143TCRD,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



Document Generated: 22-Feb-2023
Document ID:

Customer:

MOTOR INFORMATION	
HP	1
RPM	3600
Phase	3
Frequency	60
Voltage	230/460
Frame Size	143TC
Enclosure	TENV
Degree of Protection	IP69K
Service Factor	1.15
Poles	2
Full Load Speed	3530
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	N
Duty Cycle	S1
Slip	1.94%
NEMA Design	B
Moment of Inertia	0.072 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	74 dB(A)
Number of Starts	10
Max Ambient Temperature	40° C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bidirectional
Area of Classification	Div.2 Class I, Gr. A,B,C&D T2B
Inverter Rating	10:1 CT/20:1 VT
Standard	NEMA MG1, UL1004
Approvals	CSA,UL,CE

EFFICIENCY/POWER FACTOR		
LOAD	EFF	P. F.
100%	80.0 %	0.83
75%	78.5 %	0.76
50%	77.0 %	0.63

TORQUE		
FULL LOAD	LRT	BDT
1.5 lb.ft.	320 %	430 %

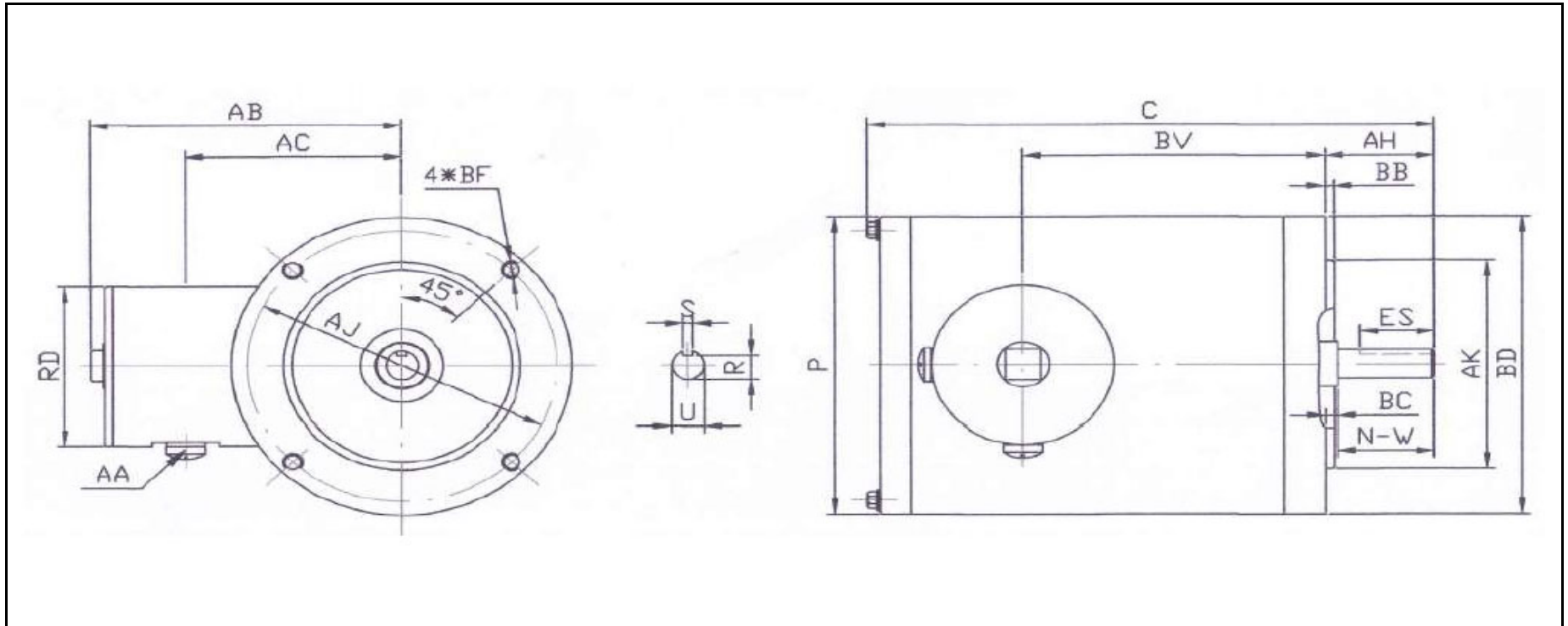
AMPERAGE INFORMATION		
	230V	460V
Full Load Amps	2.8	1.4
Locked Rotor Amps	30	15
No Load Current	1.5	0.75
Usable at 208V		3

BEARING INFORMATION	
DE Bearing	6205 2RS
ODE Bearing	6205 2RS
Grease Type	Mobil Polyrex EM

ADDITIONAL DATA	
F2 Suitable	No
Shaft Material	304 Stainless Steel
Connection Diagram	9 Lead 2Y/Y
Approximate Weight	39 lbs.

WORLDWIDE ELECTRIC MOTOR DRAWING

SSPENV-143TCRD (3/4, 1 HP)



DIMENSIONS - INCHES

FLANGE MOUNTING						C	P	AB
AK	BD	AJ	BF	BB	BC			
4.5	6.45	5.875	(4) 3/8-16	0.16	0.12	10.84	6.45	5.95

SHAFT & KEY					
S	ES	R	N-W	U	AH
0.188	1.41	0.771	2.25	0.875	2.12

TERMINAL BOX			
AA	AC	RD	BV
1/2" NPT	4.5	3.45	5.75

PERFORMANCE CURVES

Premium Efficiency Motor:

SSPENV1-36-143TCRD

WorldWide Electric Corporation

1 (800) 808-2131

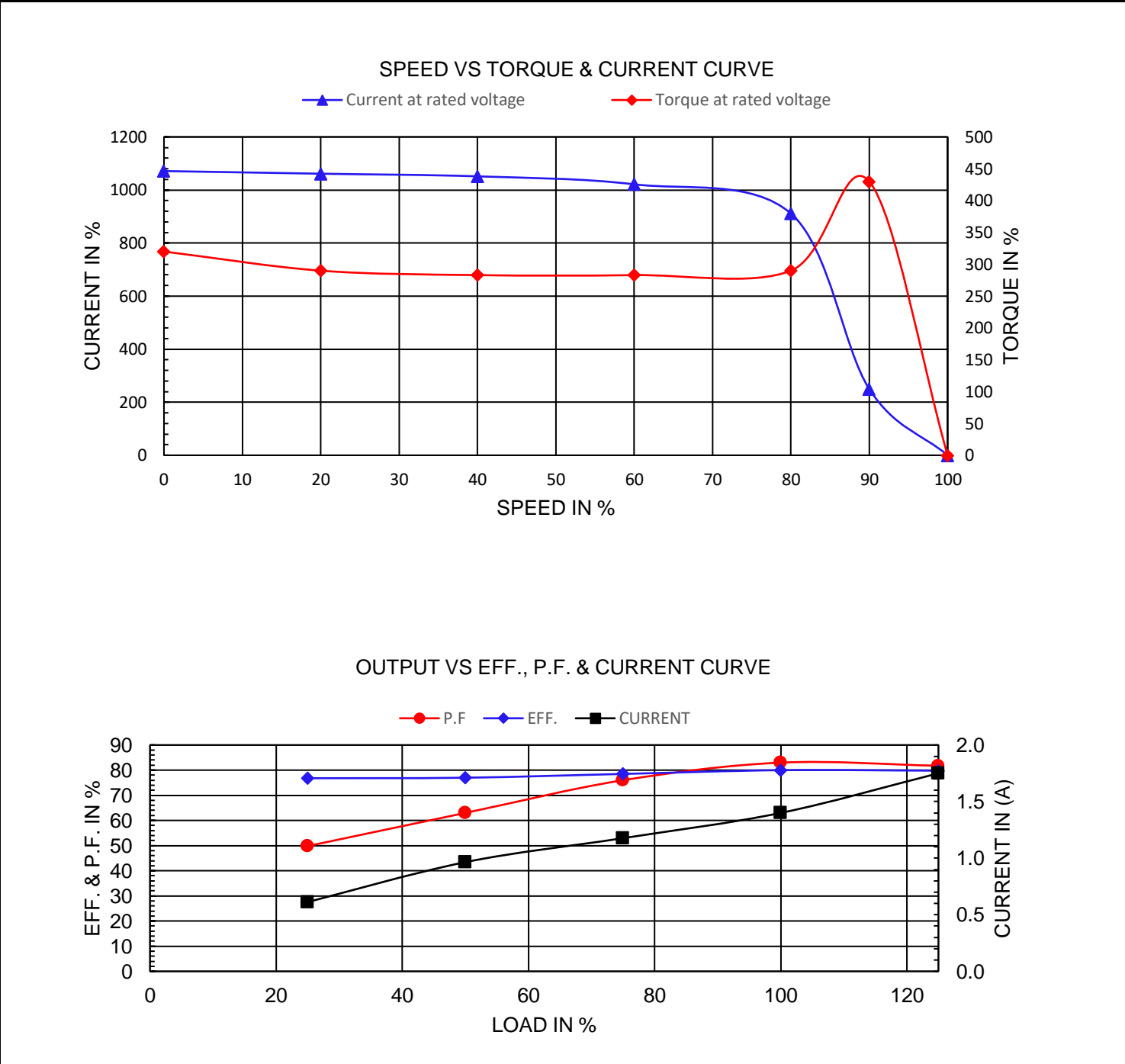
Worldwideelectric.net



Document Generated: 15-Feb-2023
Document ID:

Customer:

Motor Type	SSPE		FL Speed	3530	
Output Rating (HP)	1		LRT (%FLT)	320	460 volt FLA 1.4
Full Load Torque	1.5 lb.ft		BDT (%FLT)	430	230 volt FLA 2.8
Rotor Wk^2	0.072 lb-ft^2				



NAMEPLATE / WIRING

Premium Efficiency Motor:

SSPENV1-36-143TCRD

WorldWide Electric Corporation

1 (800) 808-2131



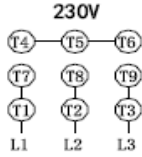
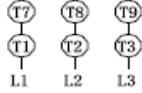

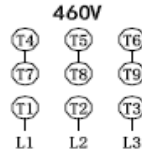






Worldwideelectric.net



Document Generated: 15-Feb-2023
Document ID:

Customer:

SAMPLE NAMEPLATE DATA

		THREE PHASE AC INDUCTION MOTOR INVERTER DUTY 20:1 VT 10:1 CT								
Model		FRAME		IP 69K		LB/WT				
Hz 60 S.F. 1.15		Hz 50 S.F. 1.15		ENCL. TEFC		AMB. 40°C				
HP RPM		HP RPM		DUTY CONT		INS. F				
VOLTS 230/460		VOLTS 190/380		NEMA DES. B						
AMP		AMP		BRG DE						
CODE P.F.		CODE P.F.		BRG ODE						
EFF MIN		IE3 -		NO.						
										

Model	SSPENV1-36-143TCRD			FRAME	143TC	LB/WT	39 lbs.
Hz	60	S.F.	1.15	Hz	50	S.F.	1.15
HP	1	RPM	3530	HP	3/4	RPM	2915
VOLTS	230/460			VOLTS	190/380		
AMPS	2.8/1.4			AMPS	2.4/1.2		
CODE	N	P.F.	0.83	CODE	N	P.F.	0.90
EFF	80%	MIN	77%	IE3 -	77.8%		
BRG DE	6205 2RS						
BRG ODE	6205 2RS						