Breakdown Torque and Locked Rotor Summary

Client Name:	Adventech	**Test Date:**	10-Feb-21
Contact:	Ron Ballman	**Report Date:**	17-Feb-21
Address:	4021 Parkway Dr.		
	Florence, AL 35630		
Email:	rballman@adventechinc.com		

Motor Nameplate Information

Sample Number:	3765	**Serial No.:**	I000142ADV
Manufacturer:	Adventech	**Phases:**	3
Model:	IE-225S-4	**Hz.**	60
Rated Voltage:	480	**RPM**	1788
Rated Horsepower:	45	**Sync. RPM**	1800
Rated Current:	49	**Type:**	B3
Frame:	225S4	**Encl.**	TEFC
NEMA Design:	B	**Ins. Class:**	H
Nameplate Eff.(Nom):	95.8%	**SF:**	1.20
Nameplate Eff.(Min):		**Code:**	
Power Factor:	0.99	**CC No.:**	
Condition (New/Used):	NEW	**Date Received:**	13-Jan-21
Tested Voltage	480		

Raw Data:

Locked Rotor				
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
0	379.6	211.8%	437.9	364.0
Breakdown Torque				
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
1726	506.4	282.6%	458.5	192.5

Corrected Data:

Locked Rotor		**NEMA Spec. min. of**	**140%**	**FL Torque**
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
0	456.0	254.5%	480.0	398.9
Breakdown Torque		**NEMA Spec. min. of**	**200%**	**FL Torque**
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
1726	555.0	309.7%	480.0	201.5

Tested By: Ronnie Alford
(signature)

advanced energy

909 Capability Drive, Suite 2100, Raleigh, NC 27606-3870 Phone 919-857-9000 Fax 919-832-2696

Breakdown Torque and Locked Rotor Summary

Client Name:	Adventech	**Test Date:**	10-Feb-21
Contact:	Ron Ballman	**Report Date:**	17-Feb-21
Address:	4021 Parkway Dr.		
	Florence, AL 35630		
Email:	rballman@adventechinc.com		

Motor Nameplate Information

Sample Number:	3766	**Serial No.:**	I00056ADV
Manufacturer:	Adventech	**Phases:**	3
Model:	IE-200L2-2	**Hz.**	60
Rated Voltage:	480	**RPM**	3588
Rated Horsepower:	40	**Sync. RPM**	3600
Rated Current:	40	**Type:**	B3
Frame:	200L2	**Encl.**	TEFC
NEMA Design:	B	**Ins. Class:**	H
Nameplate Eff.(Nom):	95.1%	**SF:**	1.20
Nameplate Eff.(Min):		**Code:**	
Power Factor:	0.99	**CC No.:**	
Condition (New/Used):	NEW	**Date Received:**	13-Jan-21
Tested Voltage	480		

Raw Data:

Locked Rotor				
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
0	200.8	253.0%	433.4	380.4
Breakdown Torque				
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
3380	312.7	394.0%	449.9	258.8

Corrected Data:

Locked Rotor		**NEMA Spec. min. of**	**125%**	**FL Torque**
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
0	246.3	310.3%	480.0	421.3
Breakdown Torque		**NEMA Spec. min. of**	**200%**	**FL Torque**
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
3380	355.9	448.4%	480.0	276.1

Tested By: Ronnie Alford
(signature)

advanced energy

909 Capability Drive, Suite 2100, Raleigh, NC 27606-3870 Phone 919-857-9000 Fax 919-832-2696

Breakdown Torque and Locked Rotor Summary

Client Name:	Adventech	**Test Date:**	11-Feb-21
Contact:	Ron Ballman	**Report Date:**	17-Feb-21
Address:	4021 Parkway Dr.		
	Florence, AL 35630		
Email:	rballman@adventechinc.com		

Motor Nameplate Information

Sample Number:	3767	**Serial No.:**	I00061ADV
Manufacturer:	Adventech	**Phases:**	3
Model:	IE-250M-6	**Hz.**	60
Rated Voltage:	480	**RPM**	1188
Rated Horsepower:	45	**Sync. RPM**	1200
Rated Current:	49	**Type:**	B3
Frame:	250M-6	**Encl.**	TEFC
NEMA Design:	B	**Ins. Class:**	H
Nameplate Eff.(Nom):	95.6%	**SF:**	1.20
Nameplate Eff.(Min):		**Code:**	
Power Factor:	0.99	**CC No.:**	
Condition (New/Used):	NEW	**Date Received:**	13-Jan-21
Tested Voltage	480		

Raw Data:

Locked Rotor				
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
0	735.9	272.9%	426.8	457.7
Breakdown Torque				
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
1138	1008.7	374.0%	451.8	253.1

Corrected Data:

Locked Rotor		**NEMA Spec. min. of**	**135%**	**FL Torque**
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
0	931.0	345.2%	480.0	514.8
Breakdown Torque		**NEMA Spec. min. of**	**200%**	**FL Torque**
Speed (RPM)	**Torque (N-m)**	**% Rated Torque**	**Voltage**	**Current (Amps)**
1138	1138.7	422.2%	480.0	268.9

Tested By:_____
(signature)

advanced energy

909 Capability Drive, Suite 2100, Raleigh, NC 27606-3870 Phone 919-857-9000 Fax 919-832-2696