

## 225kW ÖRNEK MOTOR RAPORU



## GENEL RAPOR

### GENEL BİLGİLER

İşletme Adı :  
İşletme Adresi :  
İlgili Kişi :  
Telefon :  
E-Posta :  
Yapılan İşlem : Sarım – Genel Revizyon  
Takip No :

### MOTOR BİLGİLERİ

Marka	: SIEMENS	Güç (kW)	: 225
Tip	:	Gerilim (V)	: 6000
Seri No	:	Akım (A)	:
Bağlantı	:	Devir (d/d)	: 1480
Verimlilik Sınıfı	:	Frekans (Hz)	: 50
İzolasyon Sınıfı	: F	Cosφ	:



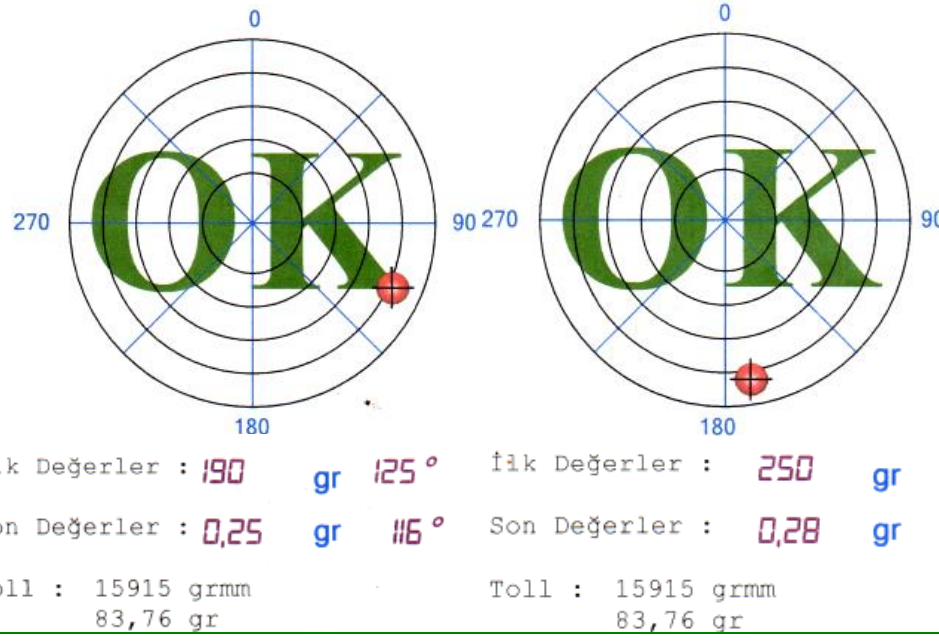
### AÇIKLAMA

Montaj / Demontaj Operatörü	Kontrol ve Test Sorumlusu	Genel Müdür
Hakan ALLAK	Elektrik ve Elektronik Yüksek Mühendisi Coşkun ARSLAN	Numan OMURCA

## MEKANİK ÖLÇÜM

ROTOR	STATOR
Ön Mil Yeri : <b>X</b>	Ön Kapak Rulman Yeri : <b>X</b>
Arka Mil Yeri : <b>✓</b>	Arka Kapak Rulman Yeri : <b>✓</b>
Kaplin Yeri Salgısı : <b>✓</b>	Ön Yağlama Flanşı : <b>✓</b>
Ön Rulman : <b>✓</b>	Arka Yağlama Flanşı : <b>✓</b>
Arka Rulman : <b>✓</b>	Pervane Muhafazası : <b>✓</b>
Pervane / Fan : <b>✓</b>	

## BALANS AYARI



## AÇIKLAMA

- Ön mil rulman yerinin onarımı yapılması ve ön kapak rulman yerinin burç işleminin yapılması
- Stator ve rotor silisli sacların değişimi ve onarımı
- Yağ kapağının onarımı
- Rotor balansının yapılması
- Rulmanların değişimi 6320 C3 SKF / 6219 C3 SKF

## DİNAMİK TEST

Gerilim	Akım	Devir
U - V : 6000 V	$I_U$ : 11,5	1515
V - W : 6000 V	$I_V$ : 11,6	
W - U : 6000 V	$I_W$ : 11,4	

Montaj / Demontaj Operatörü	Kontrol ve Test Sorumlusu	Genel Müdür
<b>Hakan ALLAK</b>	Elektrik ve Elektronik Yüksek Mühendisi <b>Coşkun ARSLAN</b>	<b>Numan OMURCA</b>



## STATİK TEST

### Resistance / Inductance / Capacitance Results

BAGFAS\240KW\04/30/2019 09:20:13 AM

Temperature 77.00 [°F]

**Tester Type:Dx Serial Number:12265 Firmware version:1.2.2.0**

#### Resistance

	Lead 1-2	Lead 2-3	Lead 3-1	Unbalance [%]	Average
DC Resistance [ $\Omega$ ]	2.6696	2.6707	2.6673	0.1	2.6692
Temp Corrected R [ $\Omega$ ]	2.6182	2.6192	2.6159		2.6178

#### Inductance

Frequency [Hz]	60.0	60.0	60.0		
Impedance [ $m\Omega$ ]	57.701	57.653	57.630	0.1	57.661
Impedance Ang [ $^{\circ}$ ]	87.1	87.1	87.2	0.0	87.1
Inductance [mH]	152.865	152.732	152.680	0.1	152.759
Dissipation Factor	0.050	0.051	0.050		
Quality Factor	19.978	19.718	20.096		

## DC Test Results

BAGFAS\240KW\04/30/2019 10:12:22 AM

Tester Type:Dx Serial Number:12265 Firmware version:1.2.2.0 Configuration:DXHost

Temperature [°F] 95.0 Relative Humidity [%] 60.0

### IR Results

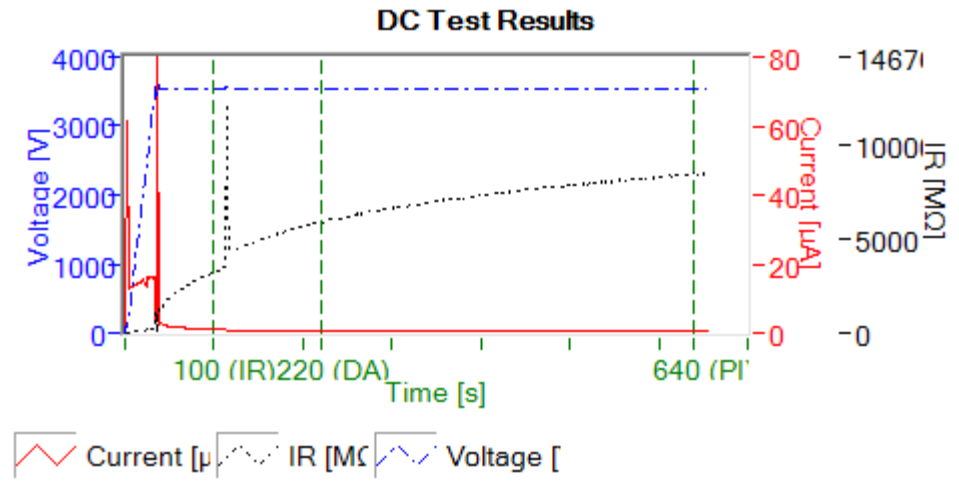
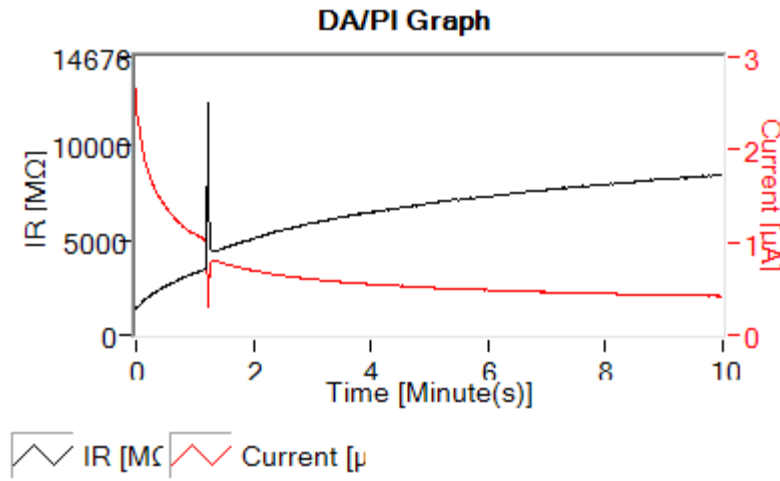
Voltage [V]	I [μA]	IR [MΩ]	IR [MΩ] Corrected 40°C (Thermoplastic)
3540	1.090	3248	2296

### DA/PI Results

Voltage [V]	DA Ratio	PI Ratio
3540	2.3	2.6

### DA/PI Results

Time [Minute(s)]	Voltage [V]	I [μA]	IR [MΩ]
00:15	3540	1.720	2058.14
00:30	3540	1.400	2528.57
00:45	3540	1.210	2925.62
01:00	3540	1.090	3247.71
01:30	3540	0.774	4573.64
02:00	3550	0.697	5093.26
02:30	3550	0.642	5529.59
03:00	3550	0.602	5897.01
04:00	3540	0.549	6448.09
05:00	3550	0.513	6920.08
06:00	3540	0.486	7283.95
07:00	3550	0.462	7683.98
08:00	3550	0.447	7941.83
09:00	3540	0.432	8194.44
10:00	3550	0.420	8452.38



## Step-Voltage Report

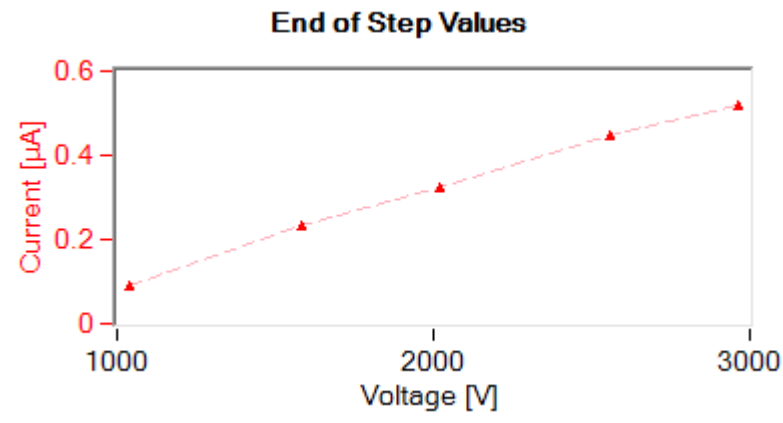
BAGFAS\240KW\04/30/2019 09:50:49 AM

Tester Type:Dx Serial Number:12265 Firmware version:1.2.2.0 Configuration:DXHost

Temperature [°F] 77.0 Relative Humidity [%] 60.0

### End of Step Values

Step	Voltage [V]	I [μA]	IR [MΩ]	IR [MΩ] Corrected 40°C (Thermoplastic)
1	5040	0.089	11685	4131
2	6580	0.233	6781	2397
3	7020	0.323	6254	2211
4	8560	0.447	5727	2025
5	10020	0.517	5725	2024



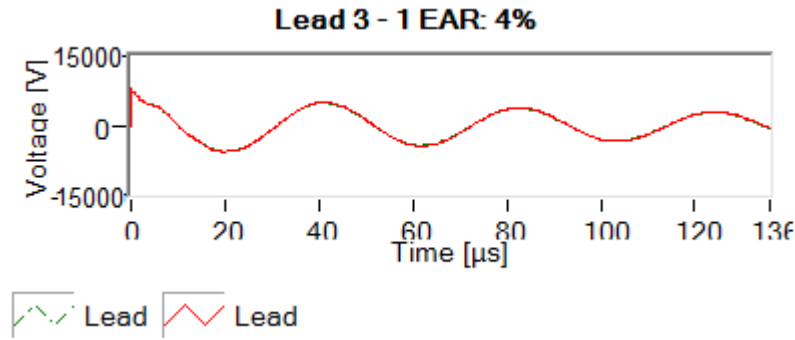
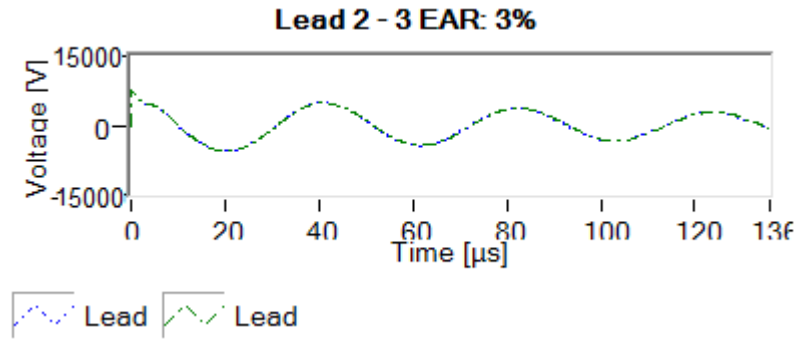
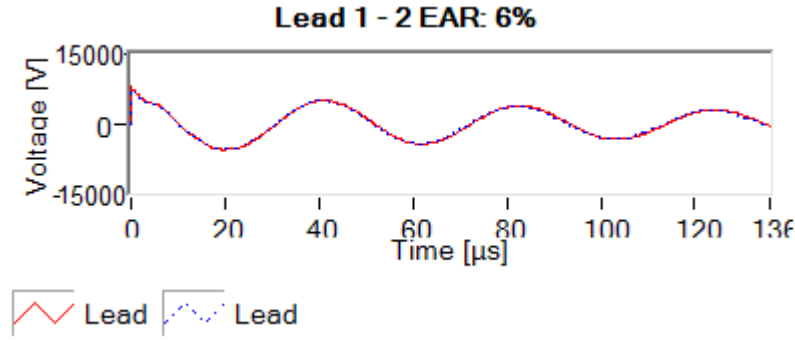
## Surge Lead-to-Lead Comparison

BAGFAS\240KW\04/30/2019 09:54:47 AM

Tester Type:Dx Serial Number:12265 Firmware version:1.2.2.0 Configuration:DXHost

L-L Limit 5

Compare	Peak Voltage [V]	Number of Pulses	LL EAR Status	L-L EAR [%]
1-2	10020	36	PASS	4
2-3	10020	66	PASS	3
3-1	10020	42	PASS	4



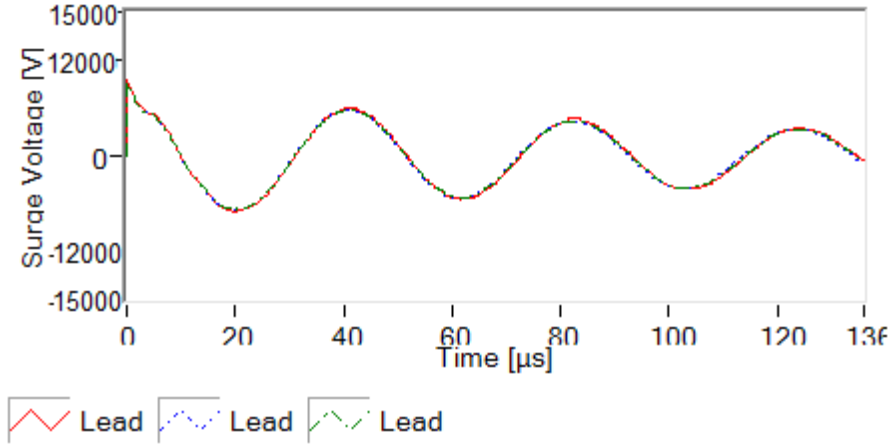
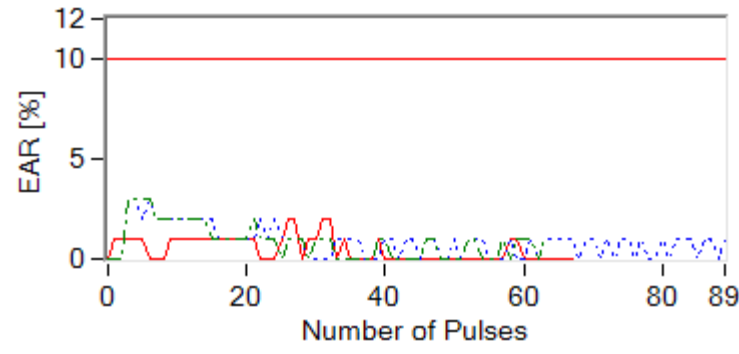
**Surge 3-Phase Summary**

BAGFAS\240KW\04/30/2019 09:54:47 AM

Tester Type:Dx Serial Number:12265 Firmware version:1.2.2.0 Configuration:DXHost

**P-P Limit 10**

Lead	Peak Voltage [V]	Number of Pulses	PP EAR Status	Max P-P EAR [%]
1	10000	36	PASS	2
2	10000	66	PASS	3
3	10000	42	PASS	3

**Surge 3-Phase Summary****Pulse-to-Pulse EAR****AÇIKLAMA**

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Hakan ALLAK	Elektrik ve Elektronik Yüksek Mühendisi Coşkun ARSLAN	Numan OMURCA