

- 周波数（三相の各相について実施）

## 1. Frequency

Phase : 1

Frequency [Hz]	Reading [Hz]	Ratio	Remarks
50.000 60.000			

Phase : 2

Frequency [Hz]	Reading [Hz]	Ratio	Remarks
50.000 60.000			

Phase : 3

Frequency [Hz]	Reading [Hz]	Ratio	Remarks
50.000 60.000			

- 電圧（三相の各相について実施）

## 2. Voltage (IEC 61000-4-7 Ed. 2.1)

Phase : 1

Coupling : AC + DC

Filter : OFF

Frequency [Hz]	Range [V]	Nominal [V]	Reference [V]	Results		Remarks
				Reading [V]	Ratio	
50	150	90				
50	150	100				
50	150	150				
50	300	180				
50	300	200				
50	300	300				
50	600	360				
50	600	400				
50	600	600				
60	150	90				
60	150	100				
60	150	150				
60	300	180				
60	300	200				
60	300	300				
60	600	360				
60	600	400				
60	600	600				

## • 電流ハーモニクス（三相の各相について実施）

## 3. Current Harmonics, Interharmonics (IEC 61000-4-7 Ed. 2.1)

## 3.1 Harmonics

Phase : 1

Coupling : AC + DC

Filter : OFF

Frequency	Range	Nominal	Reference	Results		Remarks
				Reading	Ratio	
[Hz]	[A]	[A]	[A]	[A]		
50	0.5	0.2				
50	0.5	0.5				
50	1	1				
50	2	2				
50	5	5				
50	10	10				
50	20	20				
50	40	40				
60	0.5	0.2				
60	0.5	0.5				
60	1	1				
60	2	2				
60	5	5				
60	10	10				
60	20	20				
60	40	40				
100	1	1				
120	1	1				
150	1	1				
180	1	1				
200	1	1				
240	1	1				
250	1	1				
300	1	1				
350	1	1				
360	1	1				
400	1	1				
420	1	1				
450	1	1				
480	1	1				
500	1	1				
540	1	1				
550	1	1				
600	1	1				
650	1	1				
660	1	1				
700	1	1				
720	1	1				
750	1	1				
780	1	1				
800	1	1				

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Frequency	Range	Nominal	Reference	Results Reading	Ratio	Remarks
[Hz]	[A]	[A]	[A]	[A]		
840	1	1				
850	1	1				
900	1	1				
950	1	1				
960	1	1				
1000	1	1				
1020	1	1				
1050	1	1				
1080	1	1				
1100	1	1				
1140	1	1				
1150	1	1				
1200	1	1				
1250	1	1				
1260	1	1				
1300	1	1				
1320	1	1				
1350	1	1				
1380	1	1				
1400	1	1				
1440	1	1				
1450	1	1				
1500	1	1				
1550	1	1				
1560	1	1				
1600	1	1				
1620	1	1				
1650	1	1				
1680	1	1				
1700	1	1				
1740	1	1				
1750	1	1				
1800	1	1				
1850	1	1				
1860	1	1				
1900	1	1				
1920	1	1				
1950	1	1				
1980	1	1				
2000	1	1				
2040	1	1				
2100	1	1				
2160	1	1				
2220	1	1				
2280	1	1				
2340	1	1				
2400	1	1				

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## • 相間ハーモニクス（三相各相について実施）

Certificate No. 0020000700

## 3.2. Interharmonics

Phase : 1  
Coupling : AC + DC  
Filter : OFF  
Source: 230V/50Hz

Nominal Current [A]	Frequency of current [Hz]	Harmonic of order 2 Reading [A]	Harmonic of order 3 Reading [A]	Remarks
1	90			
1	120			
1	125			
1	130			

Nominal Current [A]	Frequency of current [Hz]	Harmonic of order 9 Reading [A]	Harmonic of order 10 Reading [A]	Remarks
1	470			
1	475			
1	480			

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## 電力（三相各相で実施）

4.1. Power (IEC 61000-4-7 Ed. 2.1)

Phase : 1

Coupling AC + DC

Filter : OFF

Voltage		Current		Power		Reference [W]	Results		Remarks
Freq. [Hz]	Nominal [V]	Freq. [Hz]	Nominal [A]	PF	Nominal [W]		Reading [W]	Ratio	
50	150	50	0.2	1	30				
50	150	50	0.5	1	75				
50	150	50	1	1	150				
50	150	50	2	1	300				
50	150	50	5	1	750				
50	150	50	10	1	1500				
50	150	50	20	1	3000				
50	150	50	40	1	6000				
50	300	50	0.2	1	60				
50	300	50	0.5	1	150				
50	300	50	1	1	300				
50	300	50	2	1	600				
50	300	50	5	1	1500				
50	300	50	10	1	3000				
50	300	50	20	1	6000				
50	300	50	40	1	12000				
50	600	50	0.2	1	120				
50	600	50	0.5	1	300				
50	600	50	1	1	600				
50	600	50	2	1	1200				
50	600	50	5	1	3000				
50	600	50	10	1	6000				
50	600	50	20	1	12000				
50	600	50	40	1	24000				

Voltage		Current		Power		Reference [W]	Results		Remarks
Freq. [Hz]	Nominal [V]	Freq. [Hz]	Nominal [A]	PF	Nominal [W]		Reading [W]	Ratio	
60	150	60	0.2	1	30				
60	150	60	0.5	1	75				
60	150	60	1	1	150				
60	150	60	2	1	300				
60	150	60	5	1	750				
60	150	60	10	1	1500				
60	150	60	20	1	3000				
60	150	60	40	1	6000				
60	300	60	0.2	1	60				
60	300	60	0.5	1	150				
60	300	60	1	1	300				
60	300	60	2	1	600				
60	300	60	5	1	1500				
60	300	60	10	1	3000				
60	300	60	20	1	6000				
60	300	60	40	1	12000				
60	600	60	0.2	1	120				
60	600	60	0.5	1	300				
60	600	60	1	1	600				
60	600	60	2	1	1200				
60	600	60	5	1	3000				
60	600	60	10	1	6000				
60	600	60	20	1	12000				
60	600	60	40	1	24000				

## 電力係数（三相各相で実施）

4.2. Power Factor

Phase : 1

Frequency [Hz]	Nominal	Reading	Remarks
50.000	1.000		Voltage : 300V, Current : 20A, Range : Auto
50.000	0.500		
60.000	1.000		Voltage : 300V, Current : 20A, Range : Auto
60.000	0.500		

## 短時間フリッカ Pst (三相各相で実施)

CERTIFICATE NO. 0000000000

## 5. Flicker Pst (IEC 61000-4-15 Ed. 2.0)

Phase : 1  
Coupling : AC + DC  
Filter : OFF  
Source: 230V/50Hz  
Regulation: IEC 61000-4-15:2010 Table 5

Number of Voltage Change per Minute	$\Delta V/V$ [%]	Pst			Results	Remarks
		Nominal	Reading	Limit ( $\pm 5\%$ )		
1	2.715	1	0.9858	0.95 - 1.05	Pass	
2		1		0.95 - 1.05		
7		1		0.95 - 1.05		
39		1		0.95 - 1.05		
110		1		0.95 - 1.05		
1620		1		0.95 - 1.05		
4000		1		0.95 - 1.05		