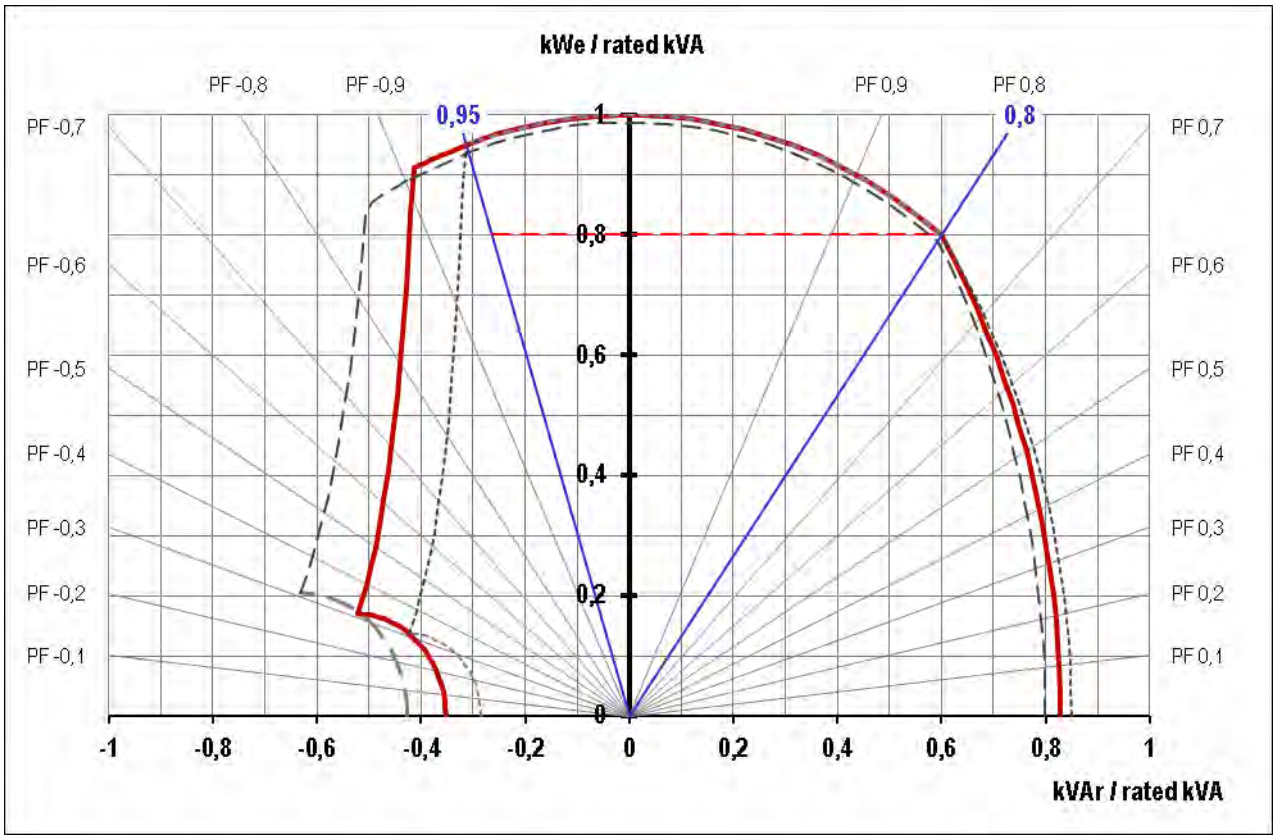
	LSAC 47.2 M7 / 4p - 465kVA - 400V - 1500 rpm - 50Hz	

Main Machine Parameters

Typ	LSAC 47.2 M7	
Leistung	465	**kVA**
Leistung	372	**kWe**
Leistung	393	**kWm**
Spannung	400	**V**
Nennstrom	671	**A**

PF	0,8	
Frequenz	50	**Hz**
Drehzahl	1500	**1/min**
Isolation/Erwärmung	H / F	
Schrittwicklung	n° 6 (p2/3)	

PQ Diagram



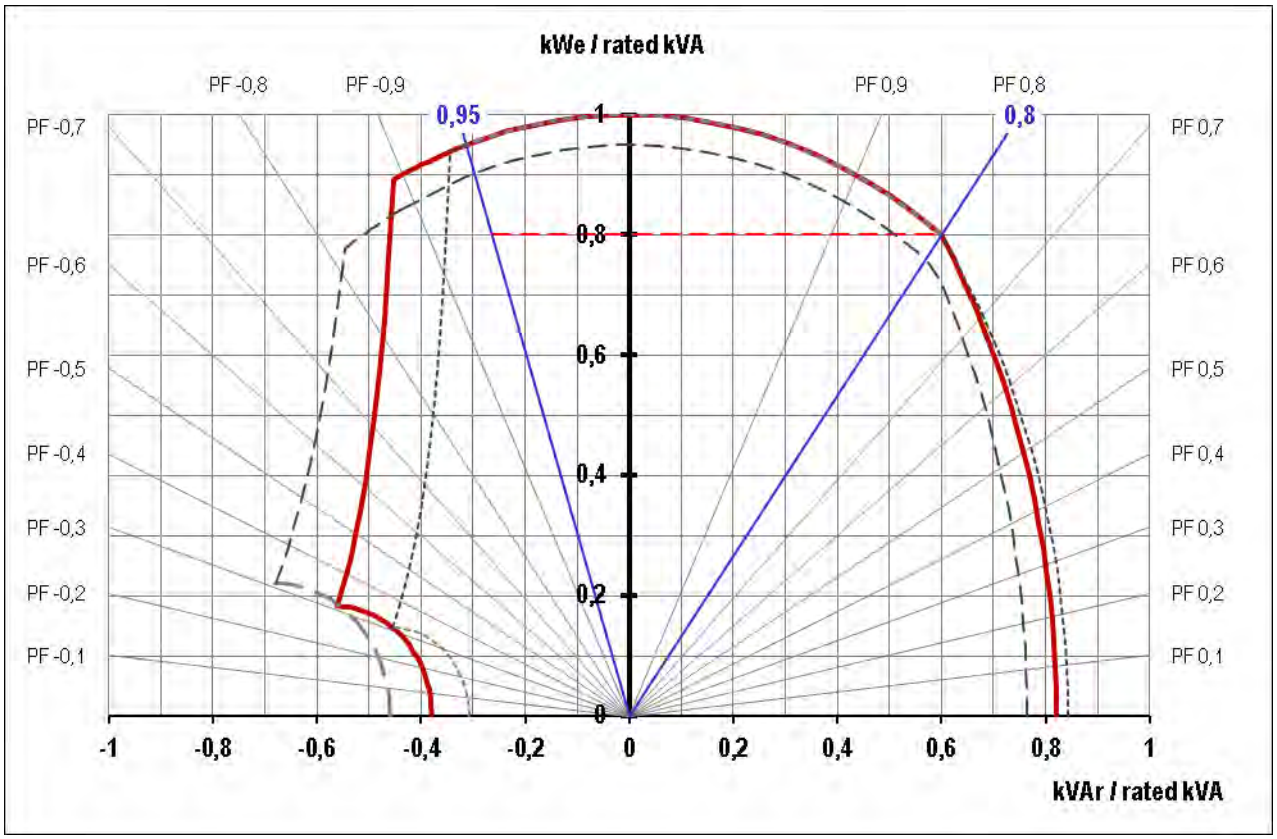
	LSAC 47.2 M7 / 4p - 465kVA - 415V - 1500 rpm - 50Hz	

Main Machine Parameters

Typ	LSAC 47.2 M7	
Leistung	465	**kVA**
Leistung	372	**kWe**
Leistung	393	**kWm**
Spannung	415	**V**
Nennstrom	647	**A**

PF	0,8	
Frequenz	50	**Hz**
Drehzahl	1500	**1/min**
Isolation/Erwärmung	H / F	
Schrittwicklung	n° 6 (p2/3)	

PQ Diagram



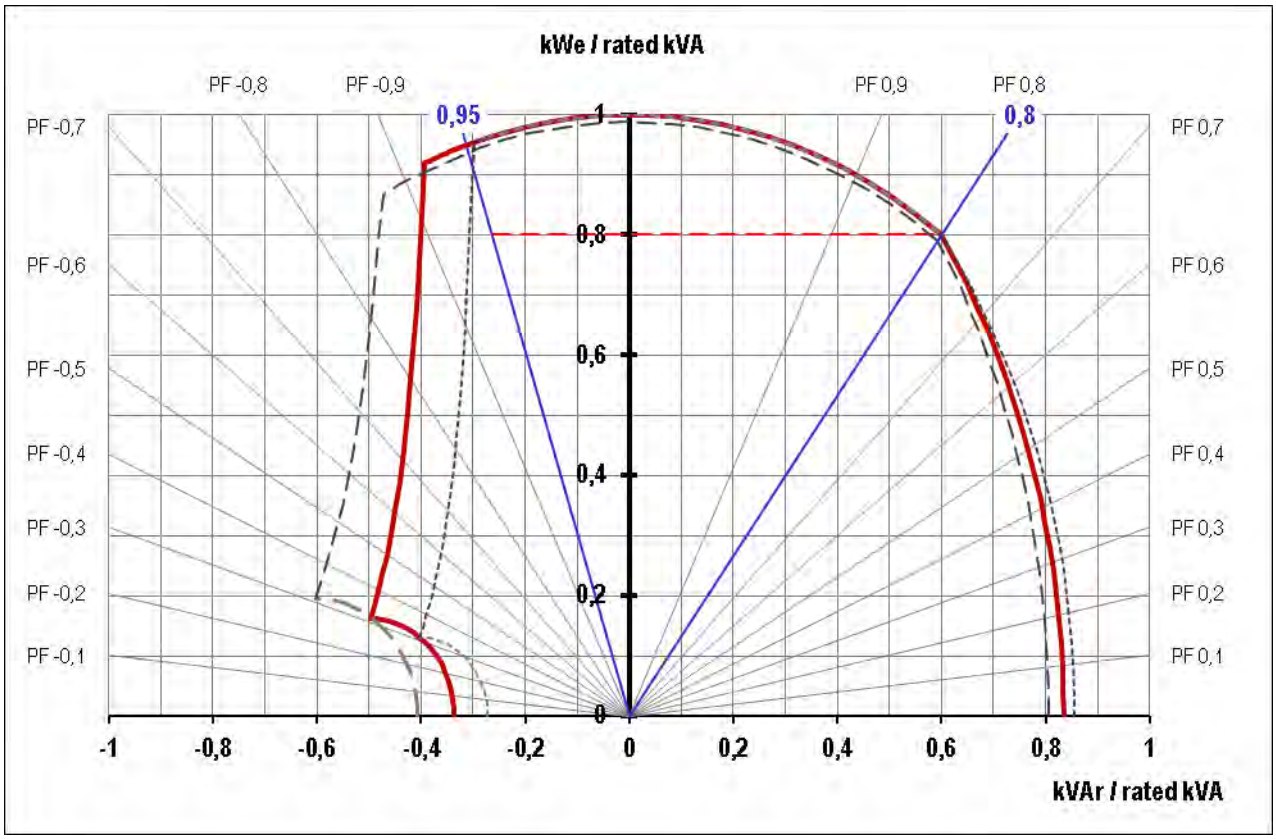
	LSAC 47.2 VS2 / 4p - 330kVA - 400V - 1500 rpm - 50Hz	

Main Machine Parameters

Typ	LSAC 47.2 VS2	
Leistung	330	**kVA**
Leistung	264	**kWe**
Leistung	282	**kWm**
Spannung	400	**V**
Nennstrom	476	**A**

PF	0,80	
Frequenz	50	**Hz**
Drehzahl	1500	**1/min**
Isolation/Erwärmung	H / F	
Schrittwicklung	n° 6 (p2/3)	

PQ Diagram



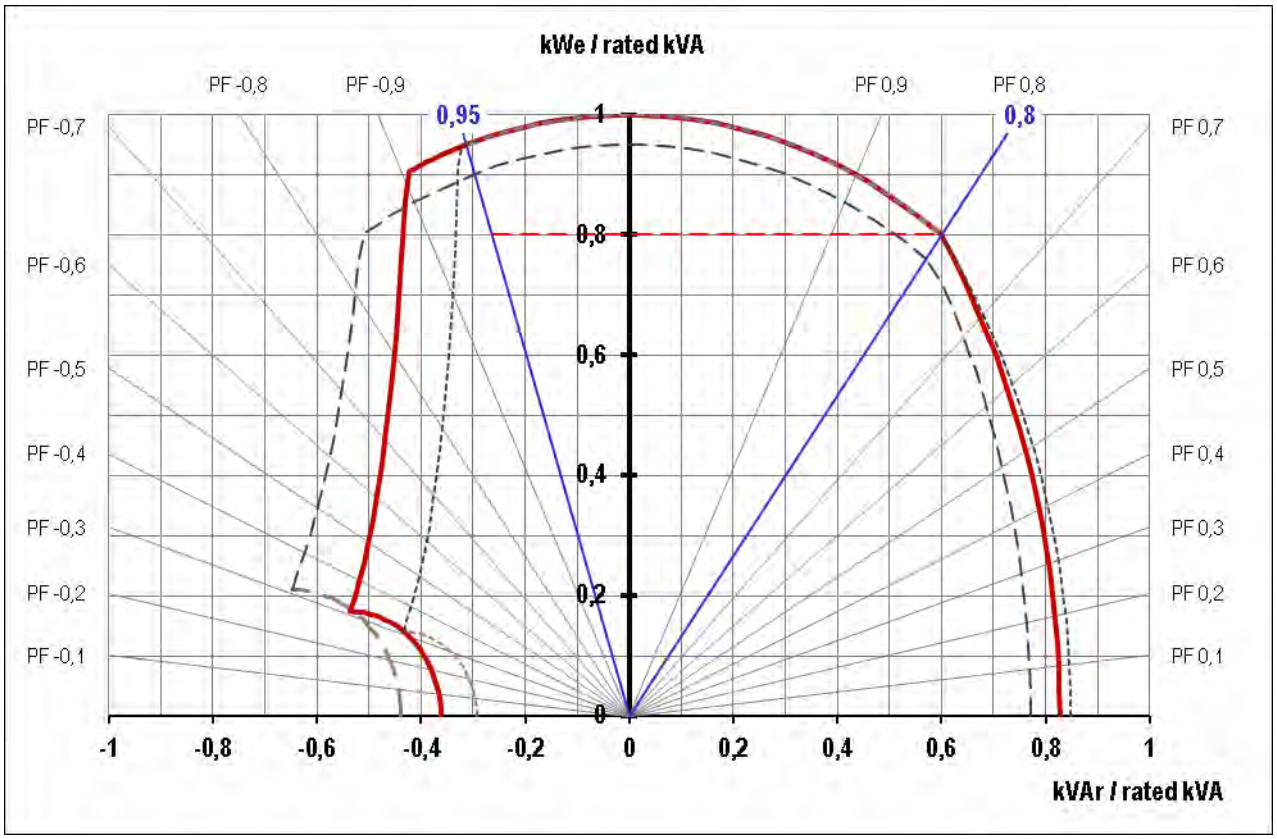
	LSAC 47.2 VS2 / 4p - 330kVA - 415V - 1500 rpm - 50Hz	

Main Machine Parameters

Typ	LSAC 47.2 VS2	
Leistung	330	**kVA**
Leistung	264	**kWe**
Leistung	282	**kWm**
Spannung	415	**V**
Nennstrom	459	**A**

PF	0,8	
Frequenz	50	**Hz**
Drehzahl	1 500	**1/min**
Isolation/Erwärmung	H / F	
Schrittwicklung	n° 6 (p2/3)	

PQ Diagram



EMERSON Industrial Automation
Leroy-Somer

ALTERNATOR
MAIN CURVES

LSA 47.2 L9 / 4p

LS Reference : test1

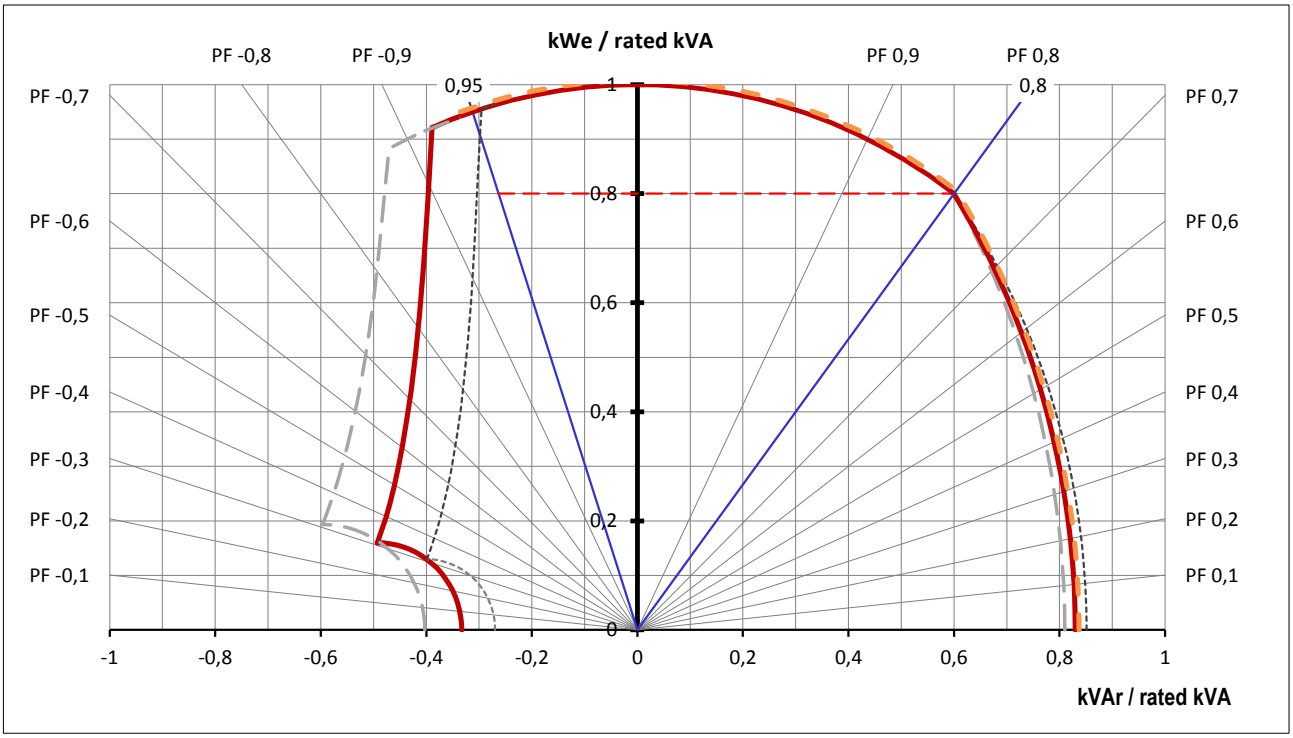
Date : 19.11.2014

526kVA - 400V - 50 Hz

V4.02 - 11/2014

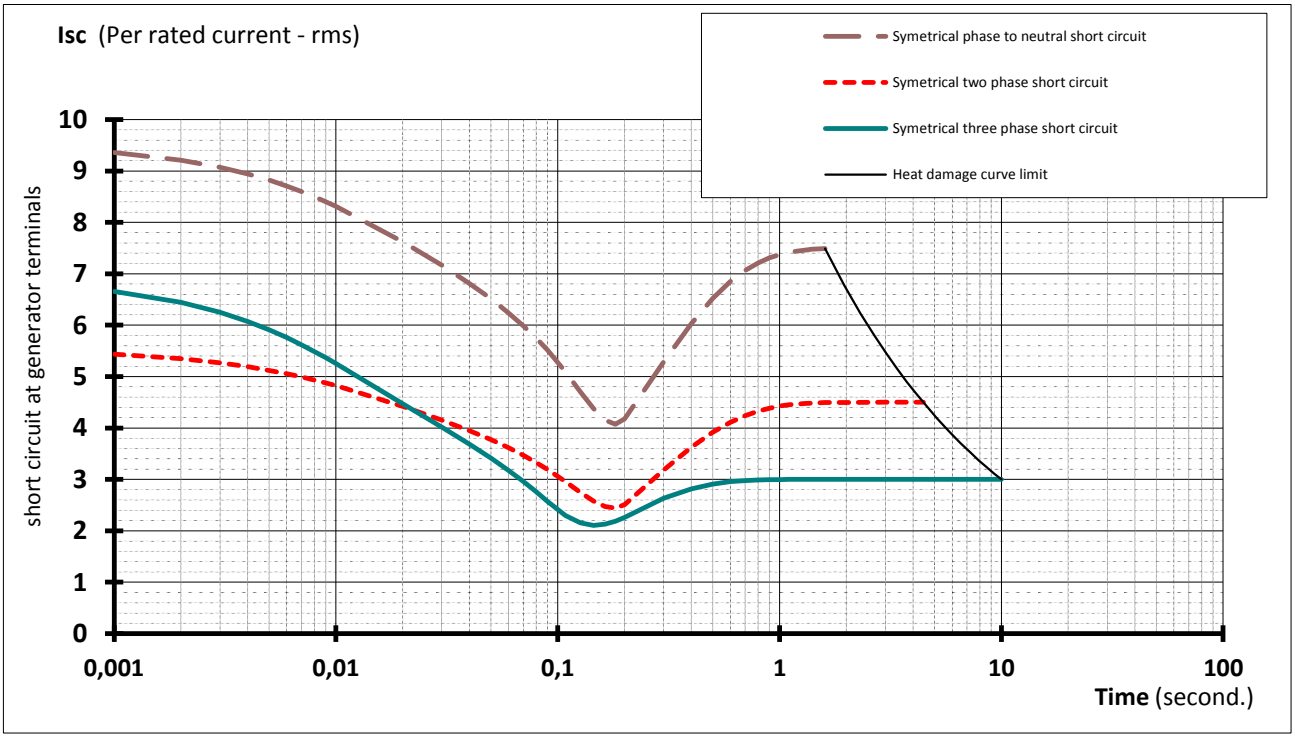
Capability Curve

Umax	+ 10%	440	V
Un		**400**	V
Umin	- 10%	360	V
Thermal Limit			



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	7 104	A	9,4 x In		
symetrical two phase short circuit	max	4 125	A	5,4 x In	In =	**759** A
symetrical three phase short circuit	value	5 052	A	6,7 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 5 von 14)

TÜV NORD

EMERSON Industrial Automation
Leroy-Somer

ALTERNATOR
MAIN CURVES

LSA 47.2 M7 / 4p

LS Reference : test1

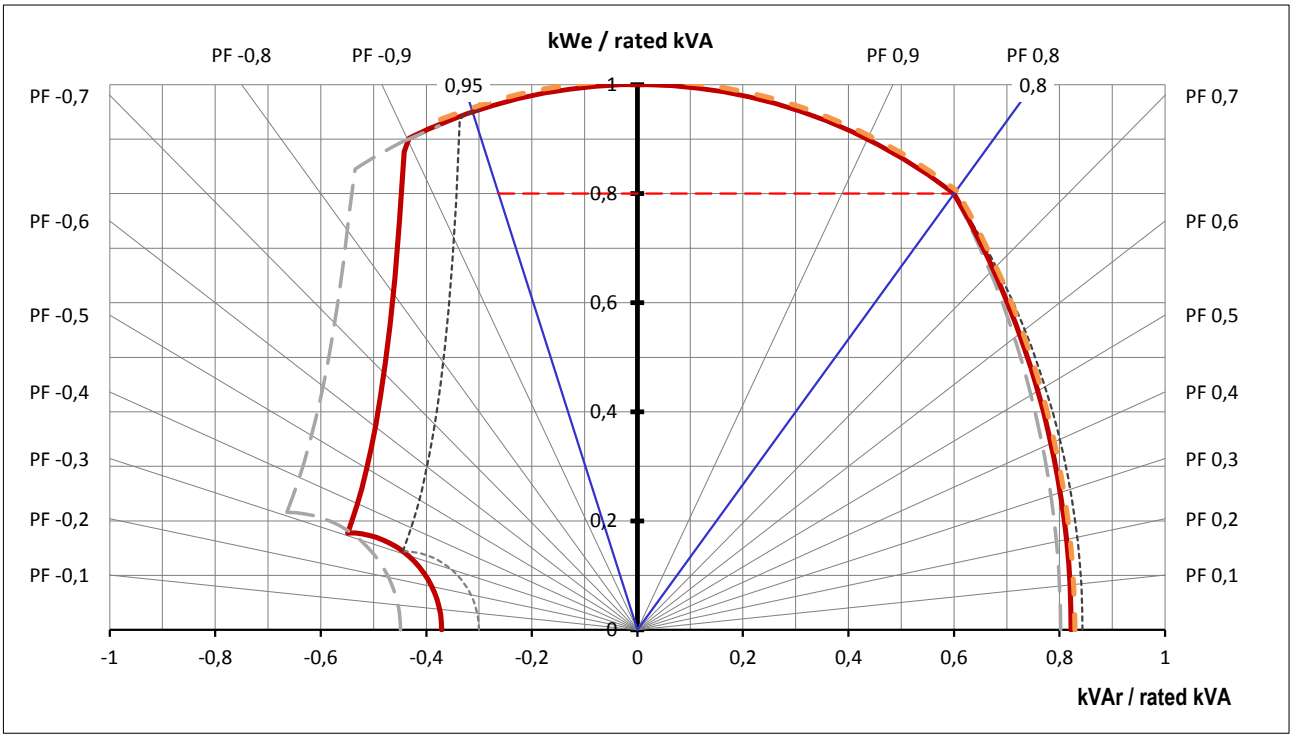
Date : 19.11.2014

438kVA - 400V - 50 Hz

V4.02 - 11/2014

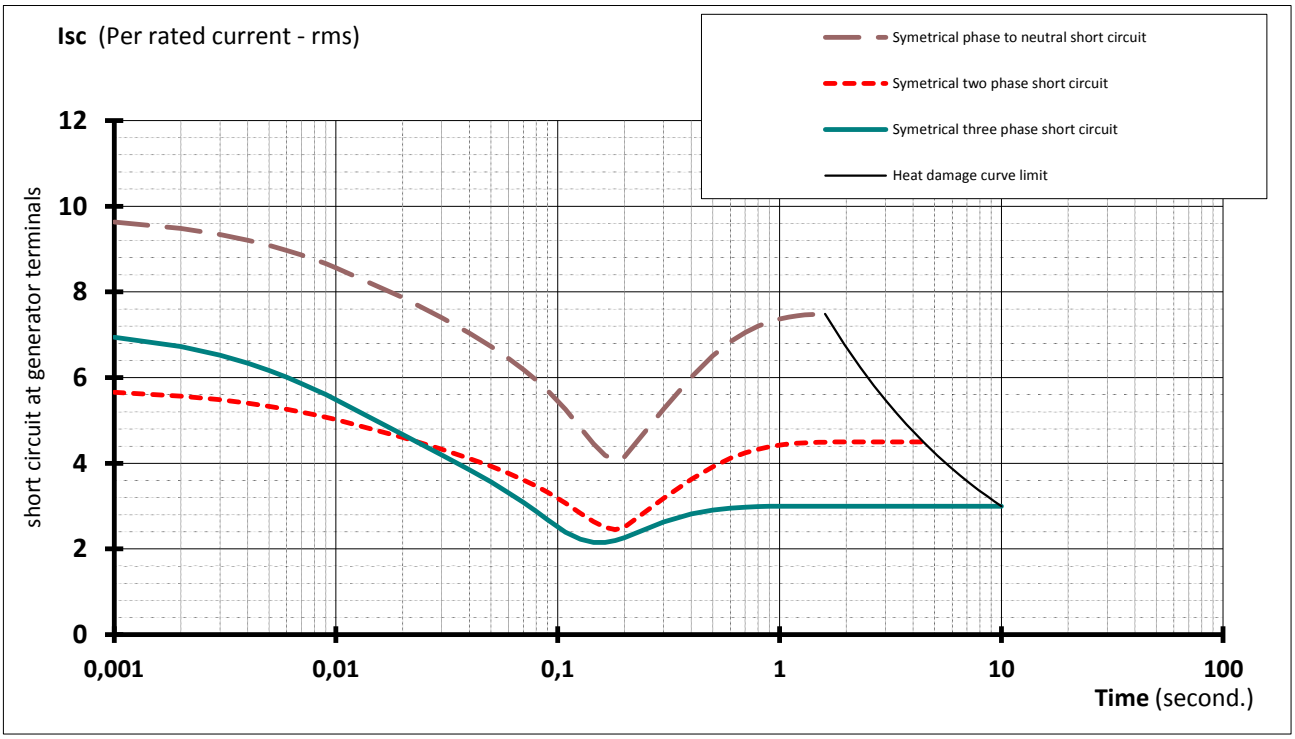
Capability Curve

Umax	+ 10%	440	V
Un		**400**	V
Umin	- 10%	360	V
Thermal Limit			



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	6 086	A	9,6 x In		
symetrical two phase short circuit	max	3 574	A	5,7 x In	In =	**632** A
symetrical three phase short circuit	value	4 388	A	6,9 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 6 von 14)

TÜV NORD

EMERSON Industrial Automation
Leroy-Somer

ALTERNATOR
MAIN CURVES

LSA 47.2 M7 / 4p

LS Reference : test1

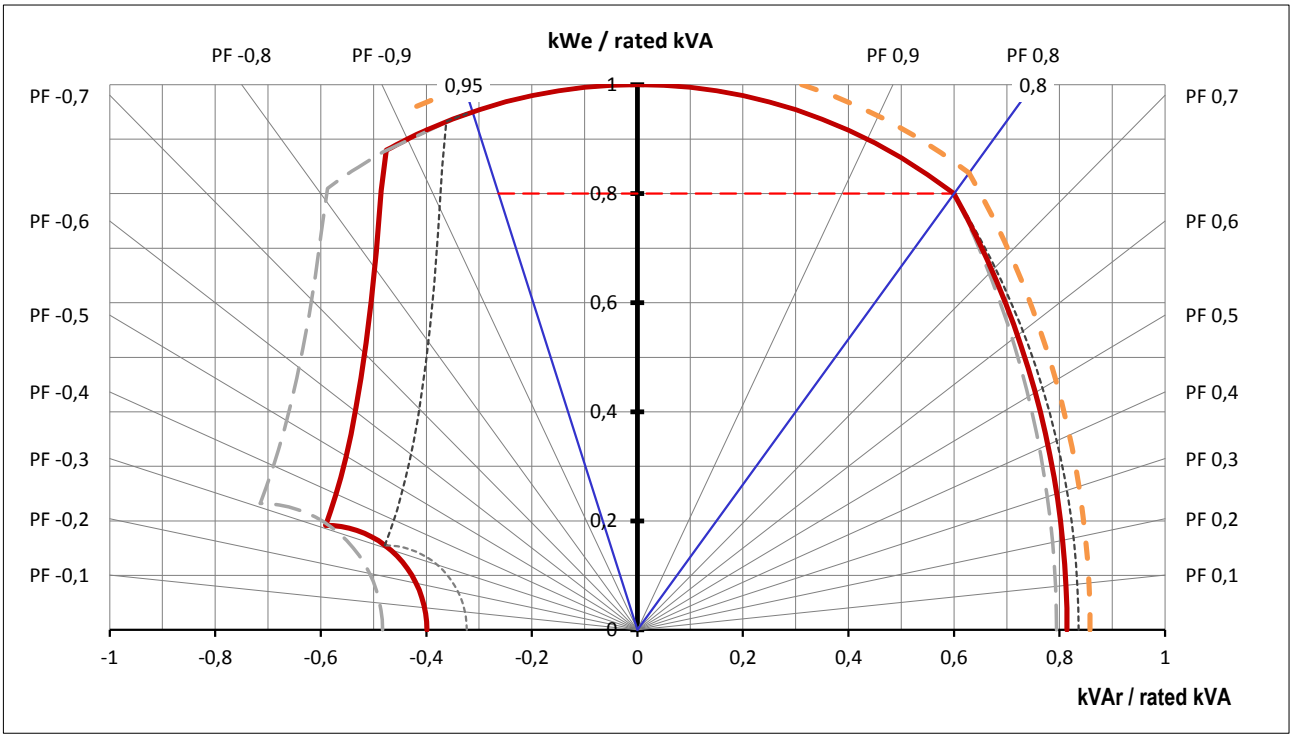
Date : 20.11.2014

438kVA - 415V - 50 Hz

V4.02 - 11/2014

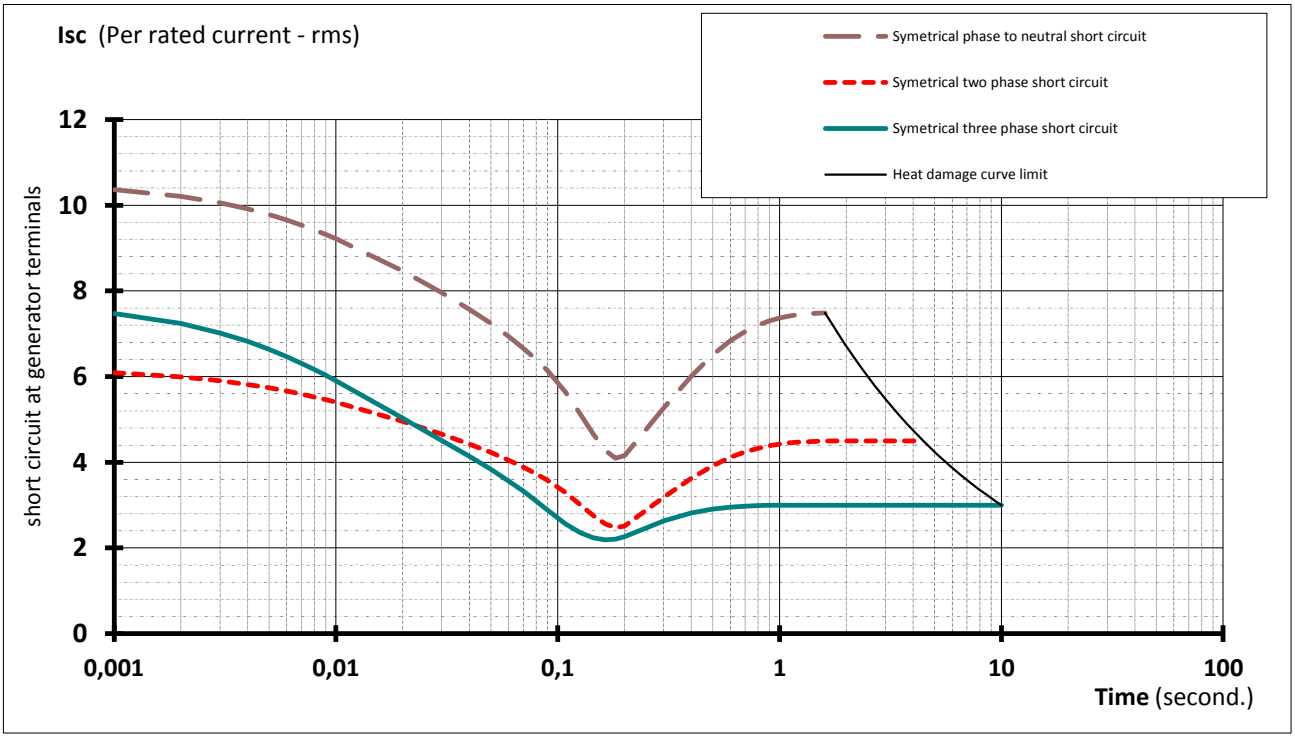
Capability Curve

Umax	+ 10%	457	V
Un		**415**	V
Umin	- 10%	374	V
Thermal Limit			



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	6 552	A	10,4 x In		
symetrical two phase short circuit	max	3 847	A	6,1 x In	In =	**632** A
symetrical three phase short circuit	value	4 723	A	7,5 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 7 von 14)

TÜV NORD

EMERSON Industrial Automation
Leroy-Somer

ALTERNATOR
MAIN CURVES

LSA 47.2 VS2 / 4p

LS Reference : test1

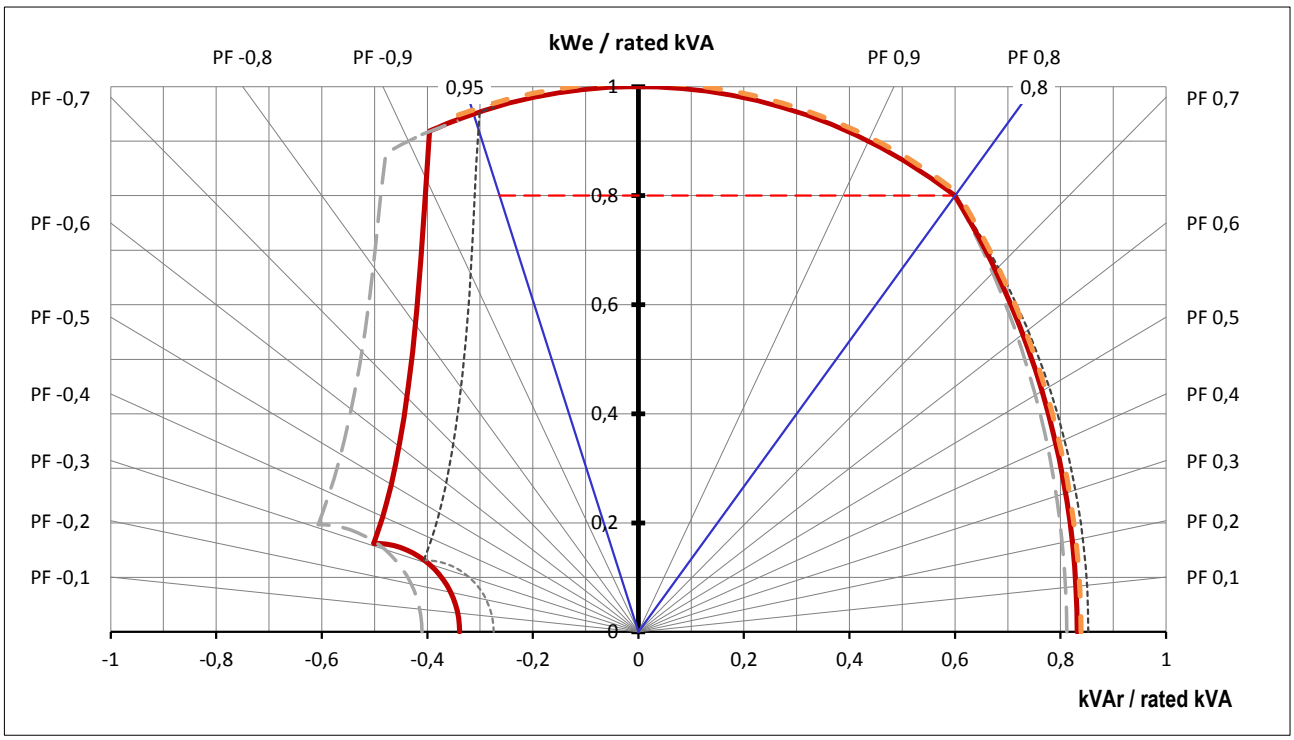
Date : 19.11.2014

320kVA - 400V - 50 Hz

V4.02 - 11/2014

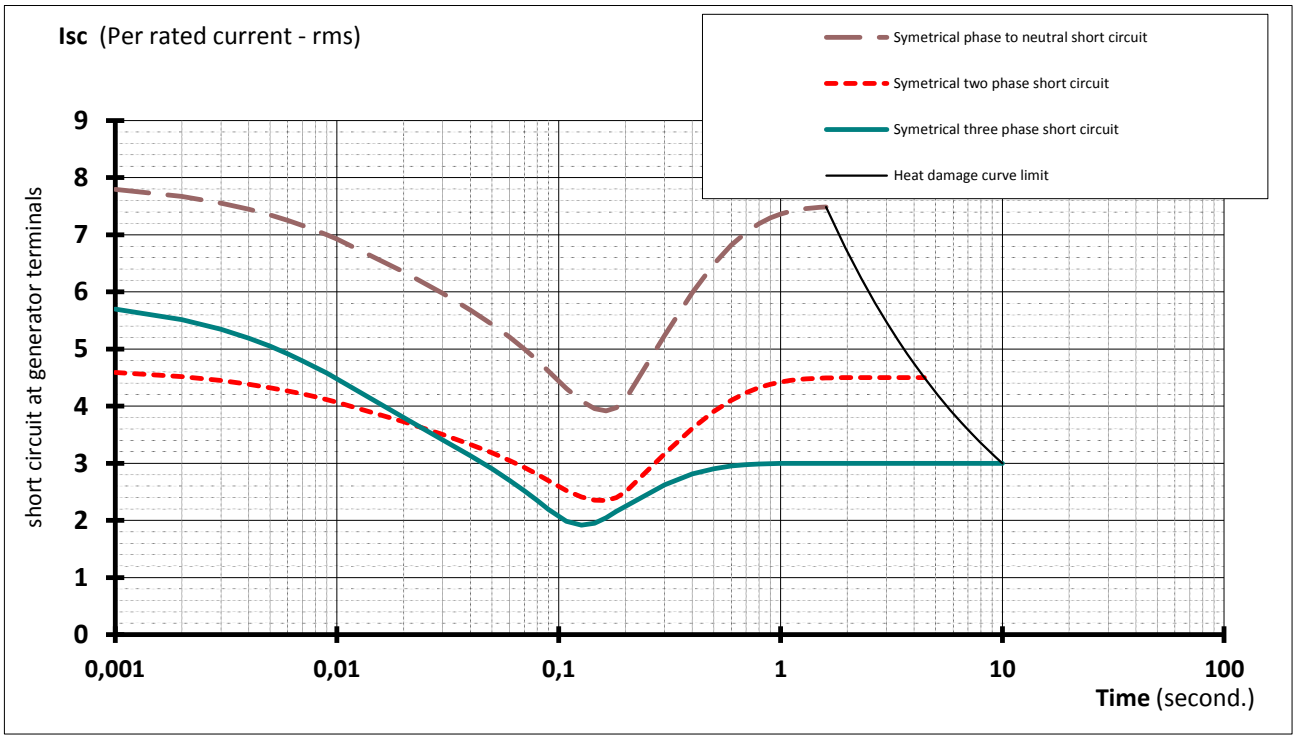
Capability Curve

Umax	+ 10%	440	V
Un		**400**	V
Umin	- 10%	360	V
Thermal Limit			



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	3 601	A	7,8 x In		
symetrical two phase short circuit	max	2 121	A	4,6 x In	In =	**462** A
symetrical three phase short circuit	value	2 633	A	5,7 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 8 von 14)

TÜV NORD

EMERSON Industrial Automation
Leroy-Somer

ALTERNATOR
MAIN CURVES

LSA 47.2 VS2 / 4p

LS Reference : test1

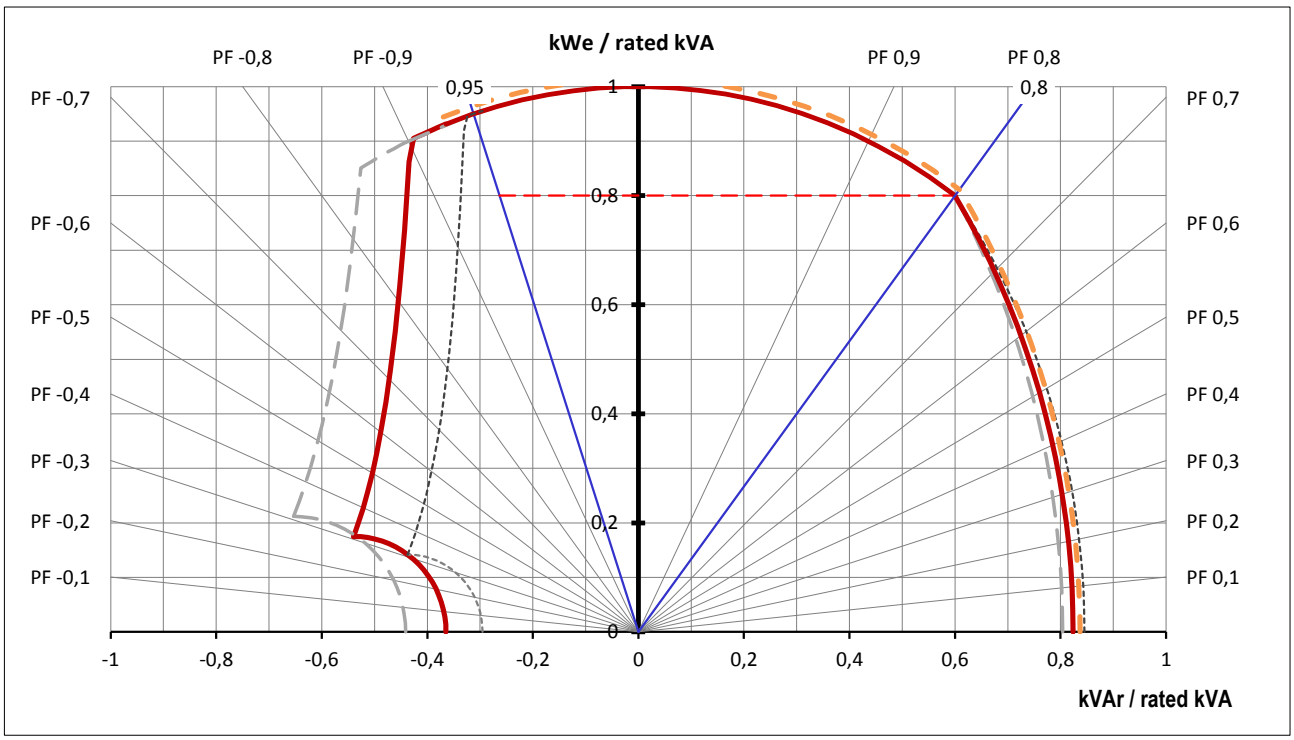
Date : 20.11.2014

320kVA - 415V - 50 Hz

V4.02 - 11/2014

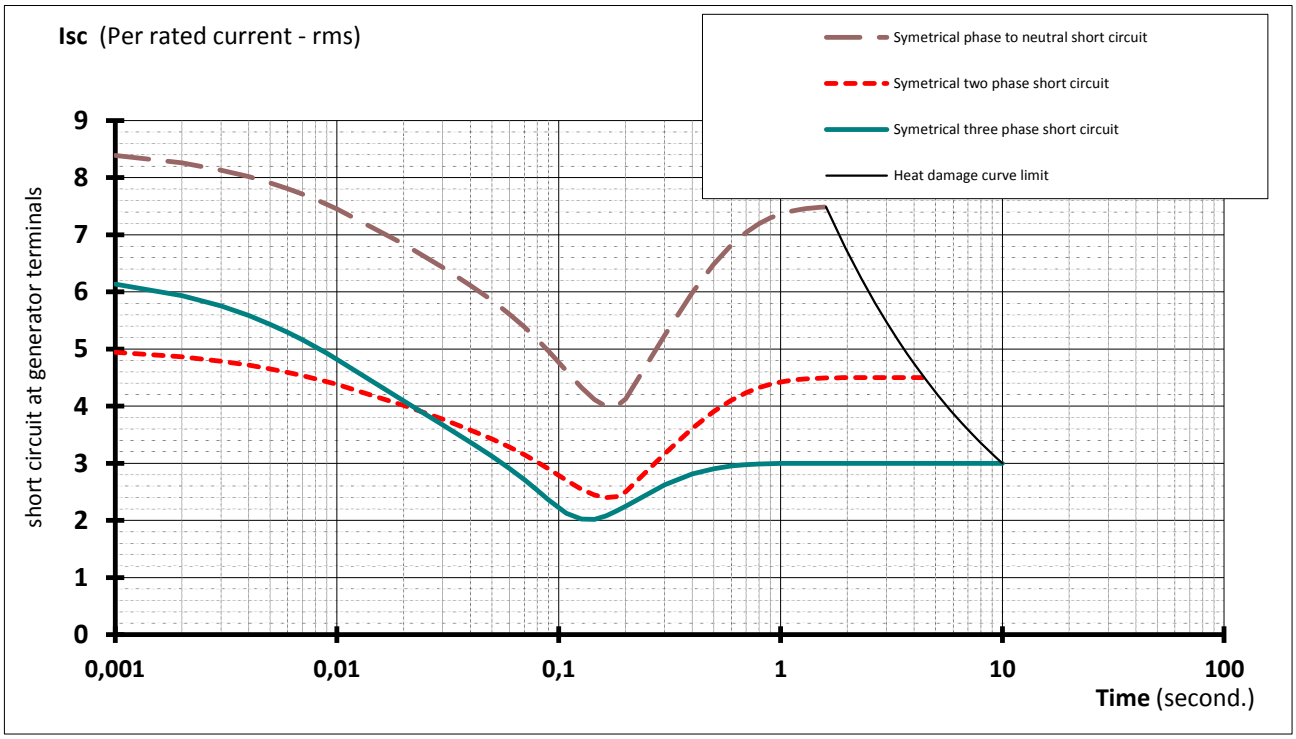
Capability Curve

Umax	+ 10%	457	V
Un		**415**	V
Umin	- 10%	374	V
Thermal Limit			



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	3 876	A	8,4 x In		
symetrical two phase short circuit	max	2 283	A	4,9 x In	In =	**462** A
symetrical three phase short circuit	value	2 834	A	6,1 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 9 von 14)

TÜV NORD

EMERSON
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ALTERNATOR
MAIN CURVES

LSA 47.2 VS2 / 4p

LS Reference : test1

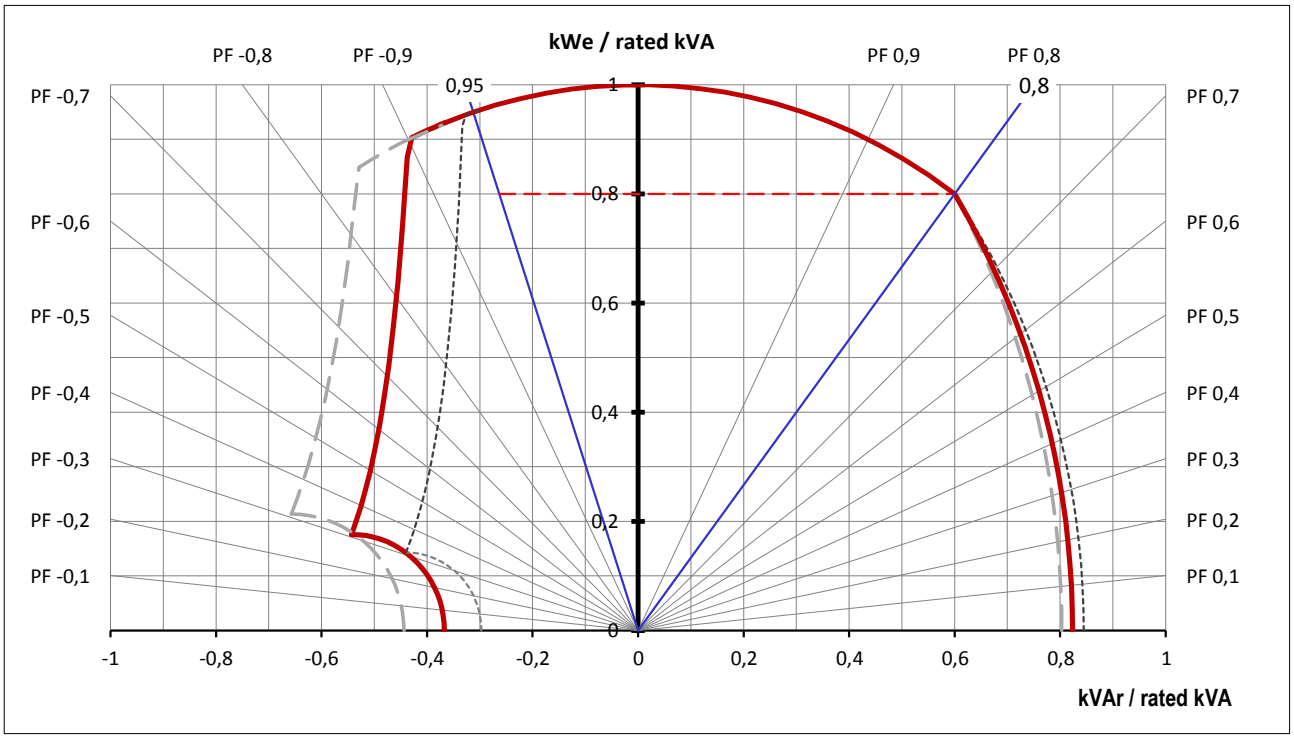
Date : 12.11.2015

318kVA - 415V - 50 Hz

V4.04a- 10/2015

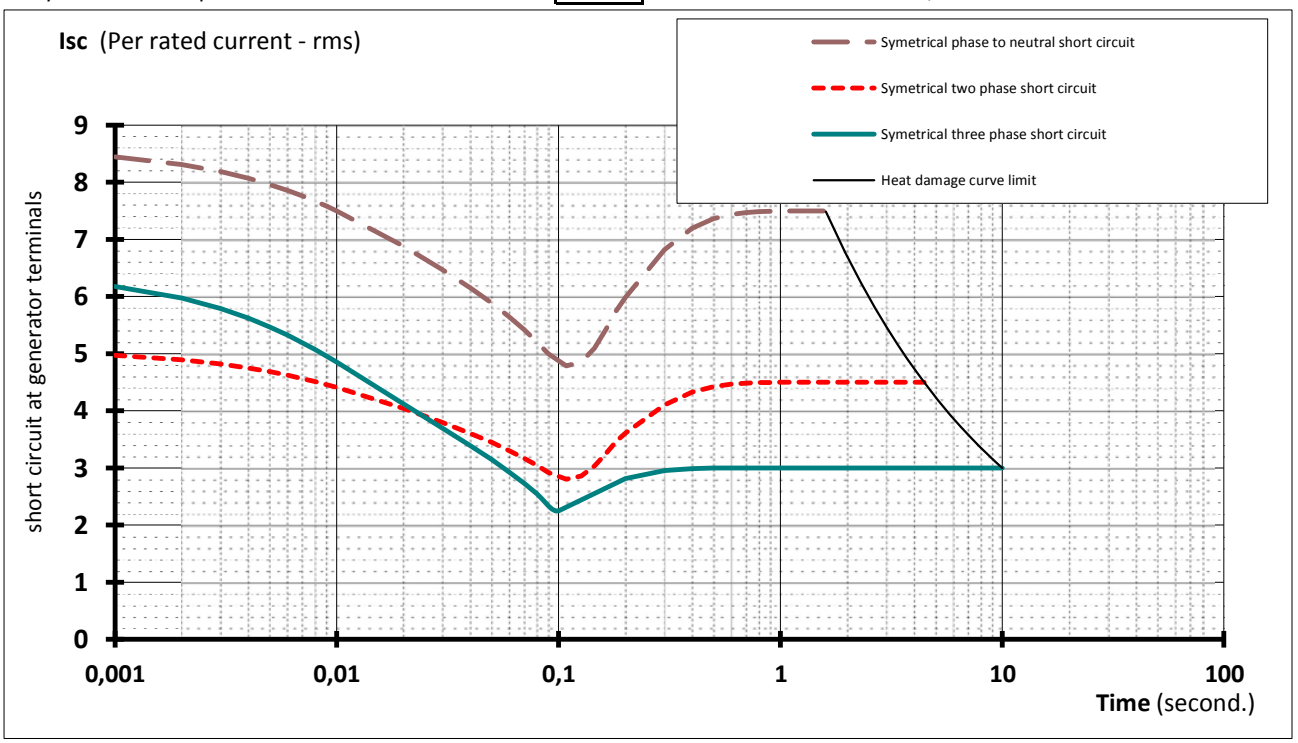
Capability Curve

Umax	+ 10%	457	V
Un		**415**	V
Umin	- 10%	374	V



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	3 731	A	8,4 x In		
symetrical two phase short circuit	max	2 198	A	5 x In	In =	**442** A
symetrical three phase short circuit	value	2 729	A	6,2 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 10 von 14)

TÜV NORD

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ALTERNATOR
MAIN CURVES

LSA 47.2 VS2 / 4p

LS Reference : test1

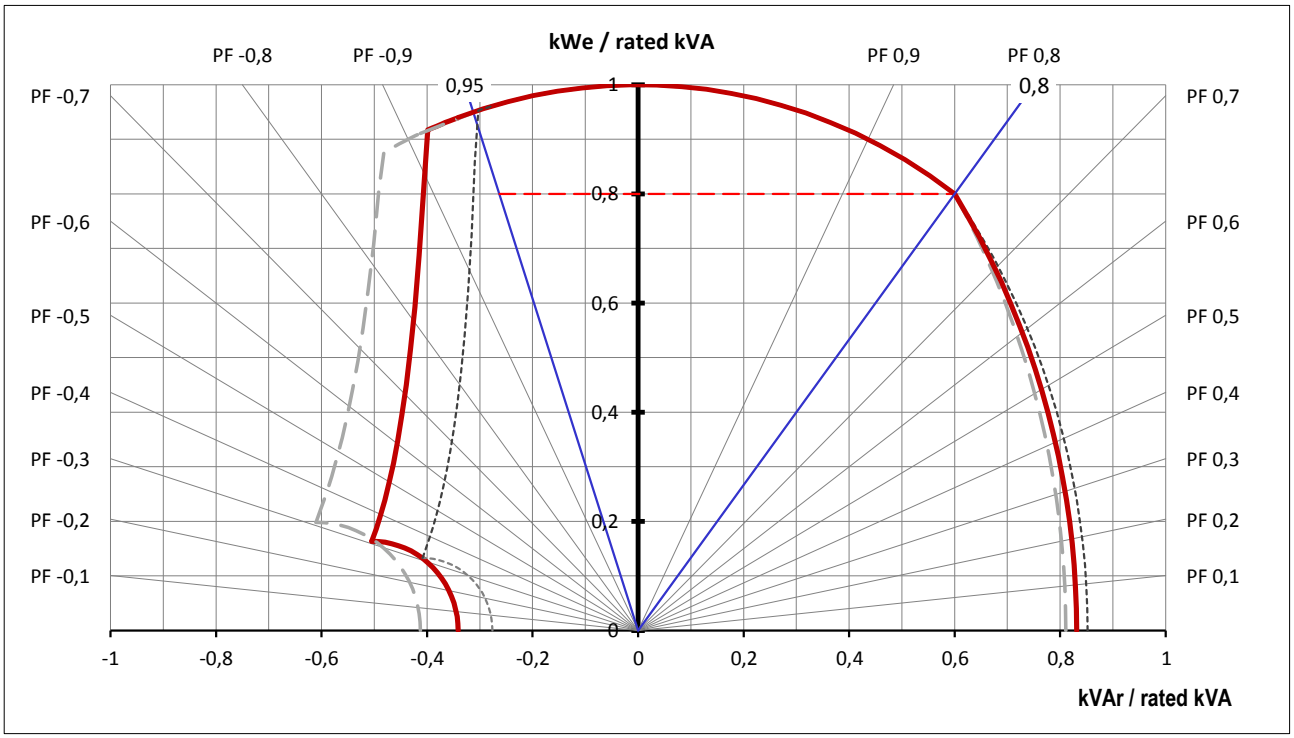
Date : 12.11.2015

318kVA - 400V - 50 Hz

V4.04a- 10/2015

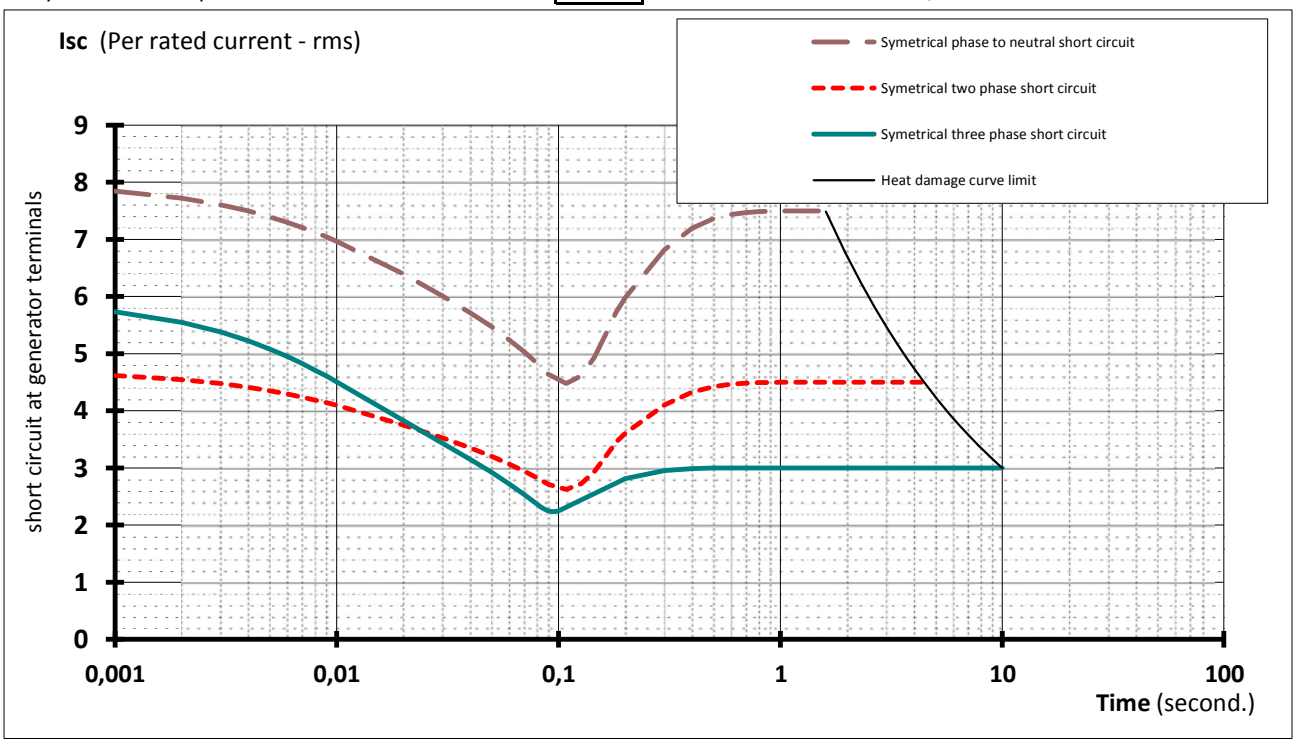
Capability Curve

Umax	+ 10%	440	V
Un		**400**	V
Umin	- 10%	360	V



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	3 600	A	7,8 x In		
symetrical two phase short circuit	max	2 121	A	4,6 x In	In =	**459** A
symetrical three phase short circuit	value	2 632	A	5,7 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 11 von 14)

TÜV NORD

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ALTERNATOR
MAIN CURVES

LSA 47.2 M7 / 4p

LS Reference : test1

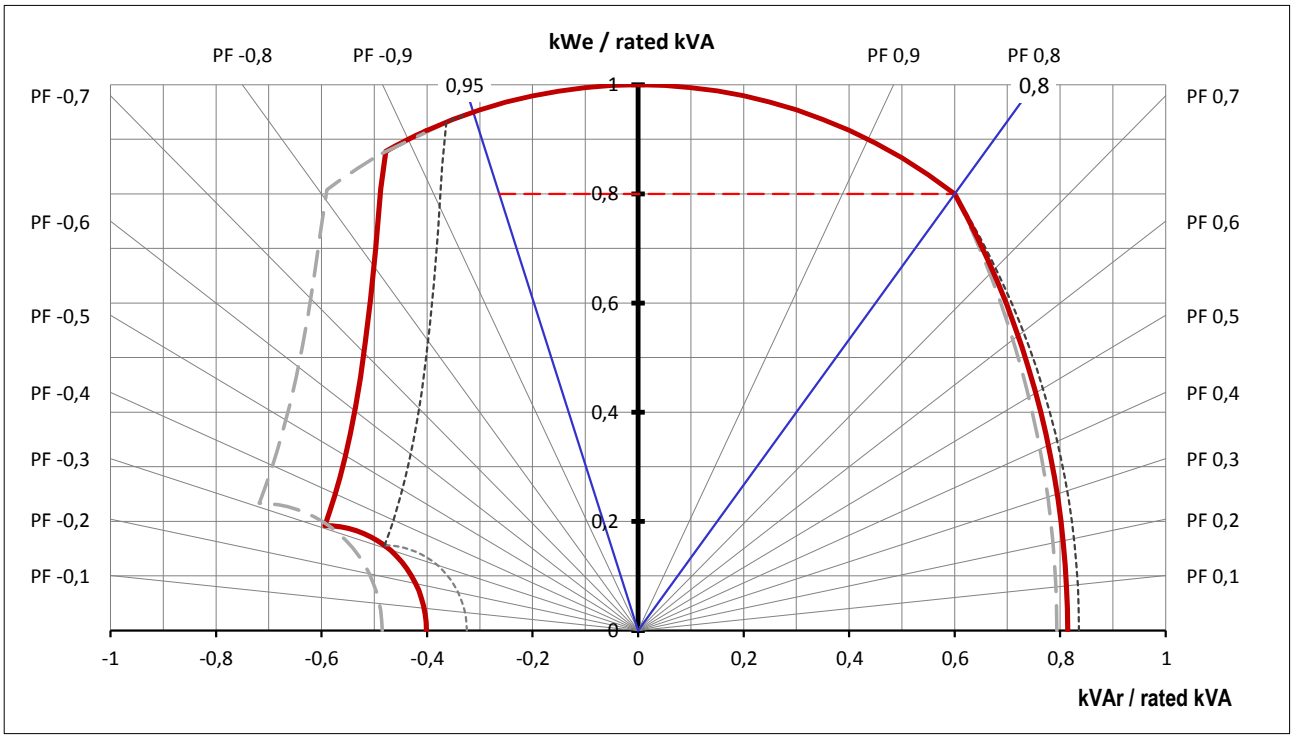
Date : 12.11.2015

436kVA - 415V - 50 Hz

V4.04a- 10/2015

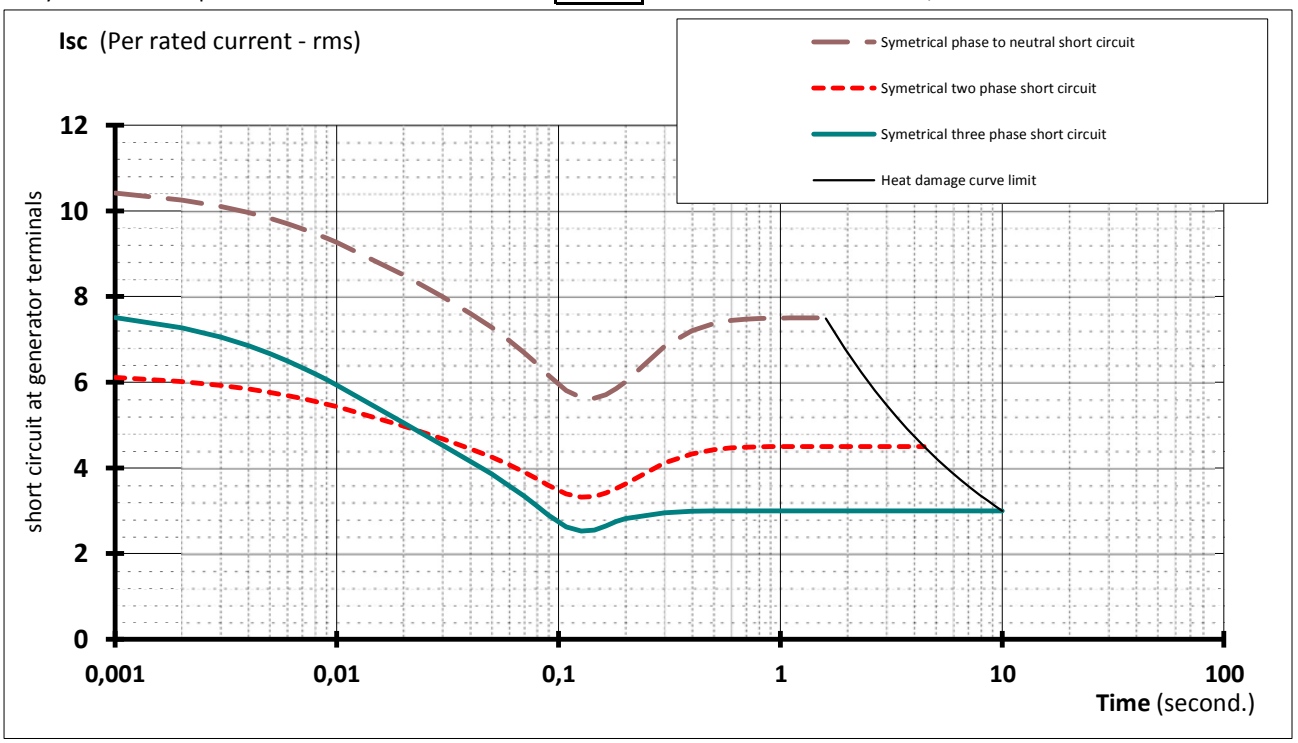
Capability Curve

Umax	+ 10%	457	V
Un		**415**	V
Umin	- 10%	374	V



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	6 321	A	10,4 x In		
symetrical two phase short circuit	max	3 711	A	6,1 x In	In =	**607** A
symetrical three phase short circuit	value	4 557	A	7,5 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 12 von 14)

TÜV NORD

EMERSON
Industrial Automation
Leroy-Somer

ALTERNATOR
MAIN CURVES

LSA 47.2 M7 / 4p

LS Reference : test1

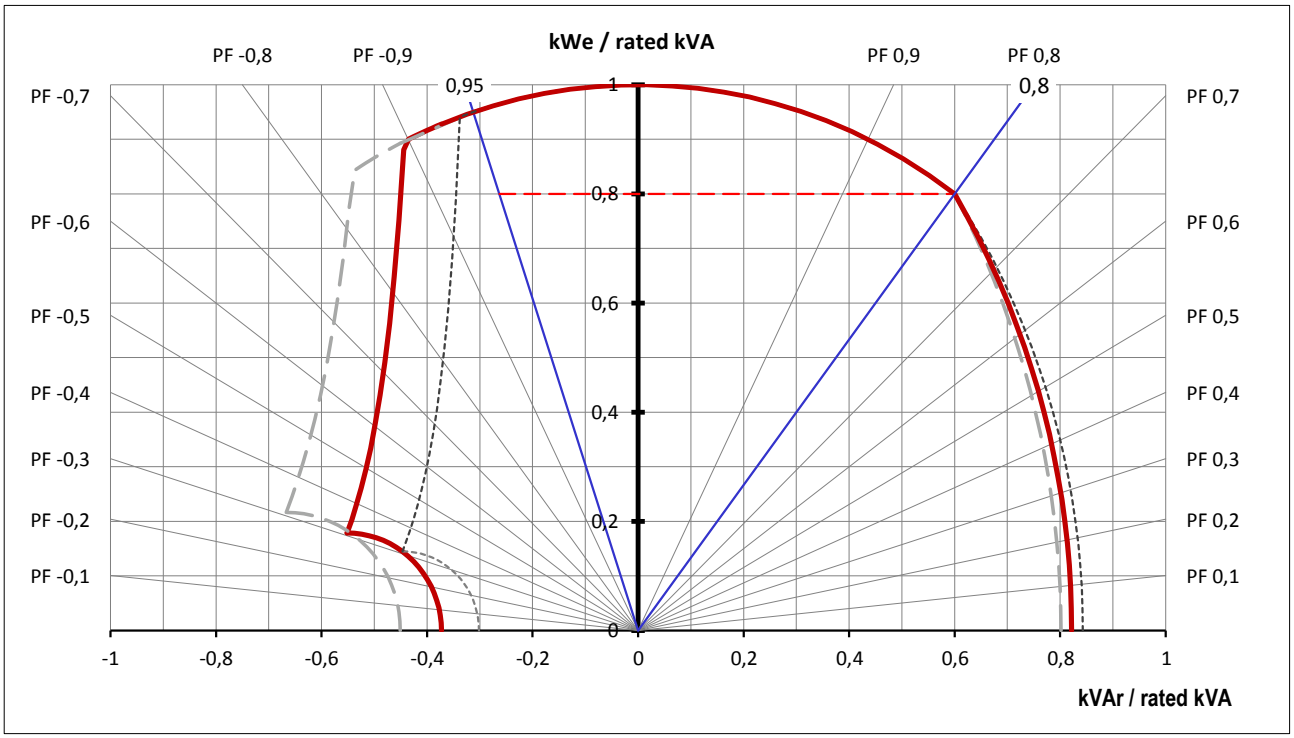
Date : 12.11.2015

436kVA - 400V - 50 Hz

V4.04a- 10/2015

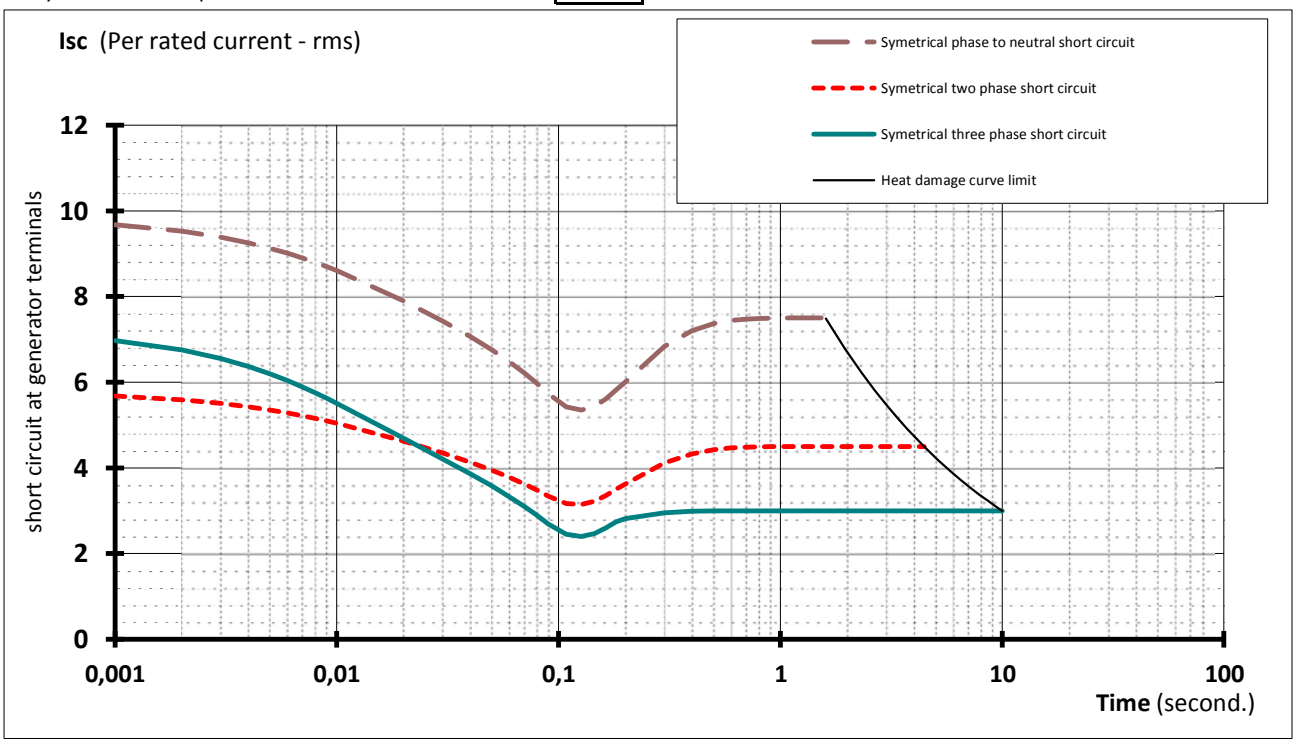
Capability Curve

Umax	+ 10%	440	V
Un		**400**	V
Umin	- 10%	360	V



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	6 085	A	9,7 x In		
symetrical two phase short circuit	max	3 573	A	5,7 x In	In =	**629** A
symetrical three phase short circuit	value	4 387	A	7 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 13 von 14)

TÜV NORD

EMERSON Industrial Automation
Leroy-Somer

ALTERNATOR
MAIN CURVES

LSA 47.2 L9 / 4p

LS Reference : test1

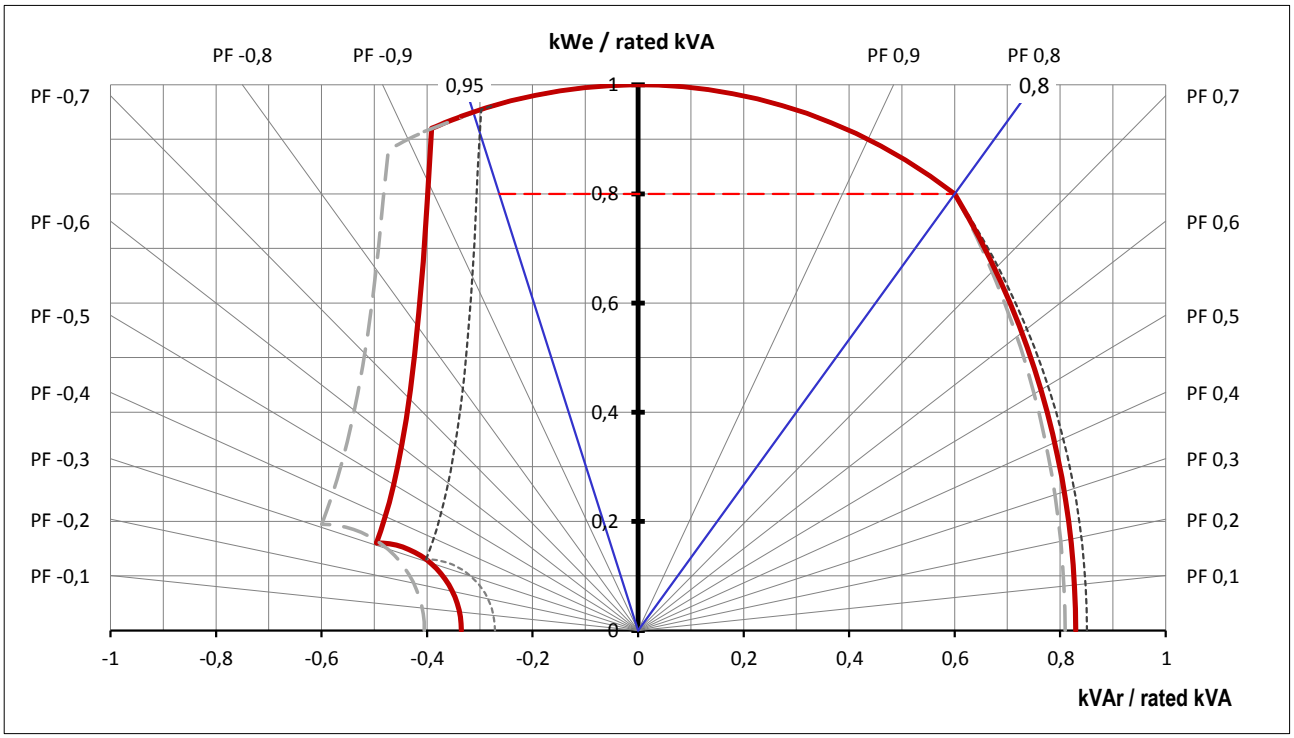
Date : 12.11.2015

523kVA - 400V - 50 Hz

V4.04a- 10/2015

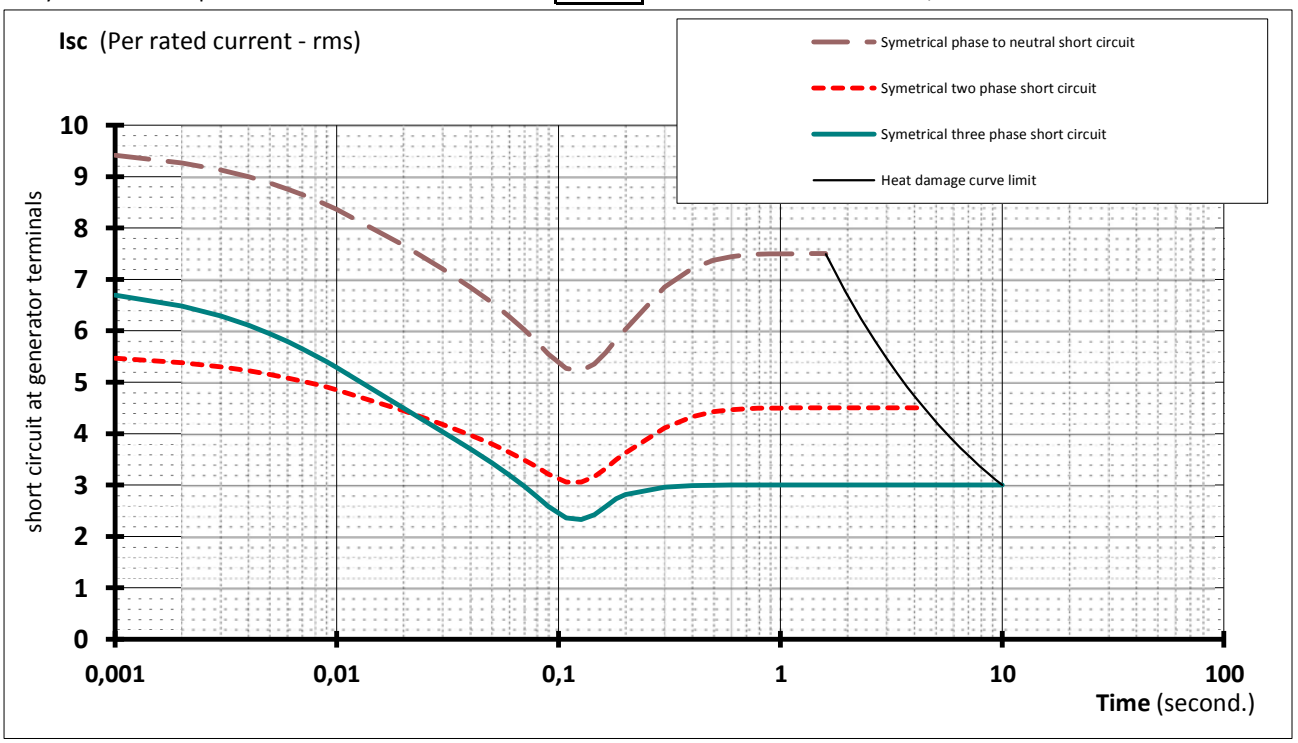
Capability Curve

Umax	+ 10%	440	V
Un		**400**	V
Umin	- 10%	360	V



Stator Current decrement curves

symetrical phase to neutral short circuit	initial	7 107	A	9,4 x In		
symetrical two phase short circuit	max	4 127	A	5,5 x In	In =	**755** A
symetrical three phase short circuit	value	5 054	A	6,7 x In		



Anhang A4 zum Einheitenzertifikat Registriernummer 4479713137944
PQ-Diagramme (Seite 14 von 14)

TÜV NORD