

# MJB 225 SA4

Project: \_\_\_\_\_

Reference: \_\_\_\_\_

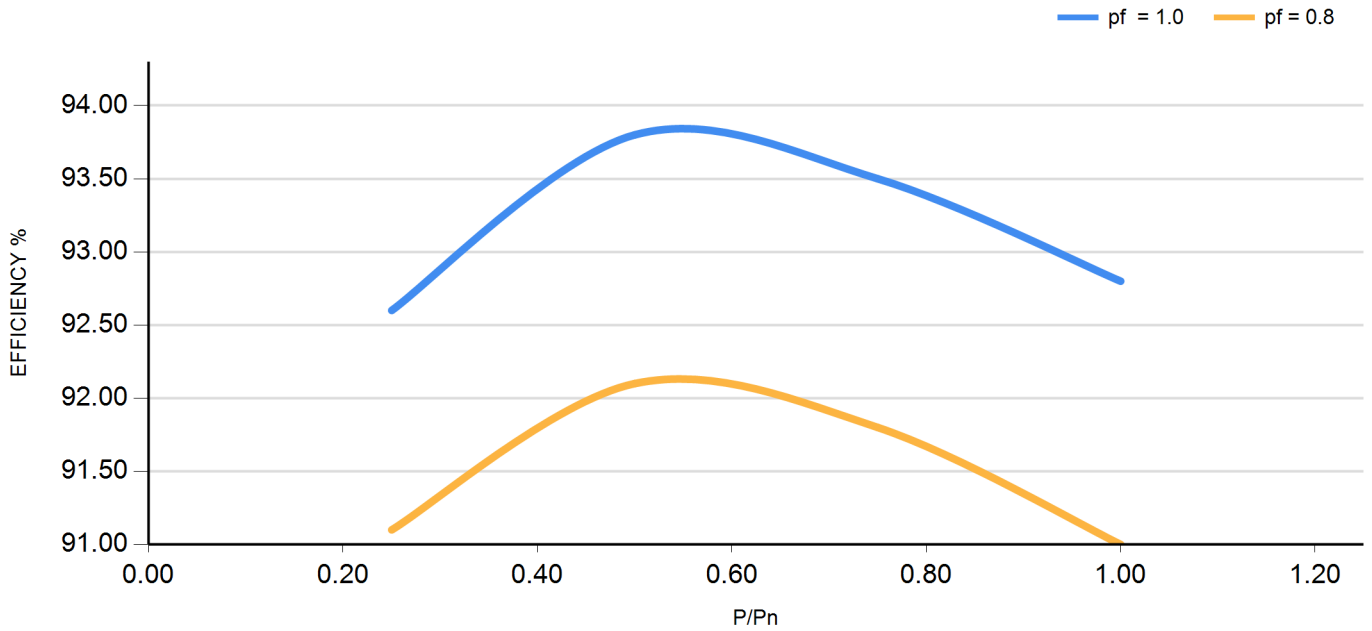
CLASSE DI SOVRATEMPERATURA - TEMPERATURE RISE CLASS	H		
CLASSE DI ISOLAMENTO - INSULATION CLASS	H		
PASSO DI AVVOLGIMENTO - WINDING PITCH	2/3		
FORMA COSTRUTTIVA - MOUNTING	B20		
TEMPERATURA AMBIENTE (°C) - AMBIENT TEMPERATURE (°C)	40		
ALTITUDINE (m s.l.m) - ALTITUDE (m a.s.l.)	1000		
SISTEMA DI RAFFREDDAMENTO - COOLING SYSTEM / PROTEZIONE - PROTECTION DEGREE	IC01 / IP23		
FATTORE DI POTENZA - POWER FACTOR	0.80		
NUMERO DI POLI - NUMBER OF POLES	4		
VELOCITA' NOMINALE (r.p.m.) - RATED SPEED (r.p.m.)	1500		
SOVRAVELOCITA' (r.p.m.) - OVERSPEED (r.p.m.)	2250		
NUMERO DI TERMINALI - NUMBER OF TERMINALS	12		
PESO (kg) - WEIGHT (kg)	Approx. 345		
MOMENTO D'INERZIA (J) (kg*m <sup>2</sup> ) - INERTIA (J) (kg*m <sup>2</sup> )	Approx. 0.63		
TEMPERATURA ACQUA RAFFREDDAMENTO (°C) - COOLING WATER TEMPERATURE (°C)			
PORTATA D'ACQUA (m <sup>3</sup> /h) - WATER FLOW RATE (m <sup>3</sup> /h)			
CADUTA DI PRESSIONE (kPa) - PRESSURE DROP (kPa)			
AUMENTO TEMPERATURA ACQUA (°C) - WATER TEMPERATURE INCREASE (°C)			
TA DI CENTRO STELLA - NEUTRAL POINT CURRENT TRANSFORMER			
CUSCINETTI - BEARINGS			
FREQUENZA - FREQUENCY	Hz	50	
TENSIONE - VOLTAGE	V	400	
CORRENTE NOMINALE - RATED CURRENT	A	122.7	
POTENZA - RATING	kVA	85	
RENDIMENTO - EFFICIENCY - (%)	4/4	92.8	
P.F.= 1.0	3/4	93.5	
	2/4	93.8	
RENDIMENTO - EFFICIENCY - (%)	4/4	91.0	
P.F.= 0.8	3/4	91.8	
	2/4	92.1	
Rapporto di corto circuito - short circuit ratio	SCR	0.38	
reattanza - reactance (%)	sincrona diretta - synchronous direct axis	X <sub>d uns</sub>	285
	sincrona in quadratura - synchr. quadrature axis	X <sub>q uns</sub>	160
	transitoria diretta - transient direct axis	X' <sub>d sat</sub>	22.5
	transitoria in quadratura - transient quadrature axis	X' <sub>q uns</sub>	160
	subtransitoria diretta - subtransient direct axis	X'' <sub>d sat</sub>	10.8
	subtransitoria in quad. - subtransient quadr. axis	X'' <sub>q sat</sub>	12.0
	di sequenza negativa - negative sequence	X <sub>2 sat</sub>	11.4
	di sequenza zero - zero sequence	X <sub>0 sat</sub>	2.5
costanti di tempo - time constants (s)	a vuoto - open circuit	T' <sub>do</sub>	0.820
	transitoria - transient	T' <sub>d</sub>	0.070
	subtransitoria - subtransient	T'' <sub>d</sub>	0.010
	unidirezionale - armature	T <sub>a</sub>	0.005
Coppia di corto circuito bifase - Phase to Phase short circuit torque	kN*m	7.5	
Coppia di corto circuito trifase - Three phase short circuit torque	kN*m	5.0	

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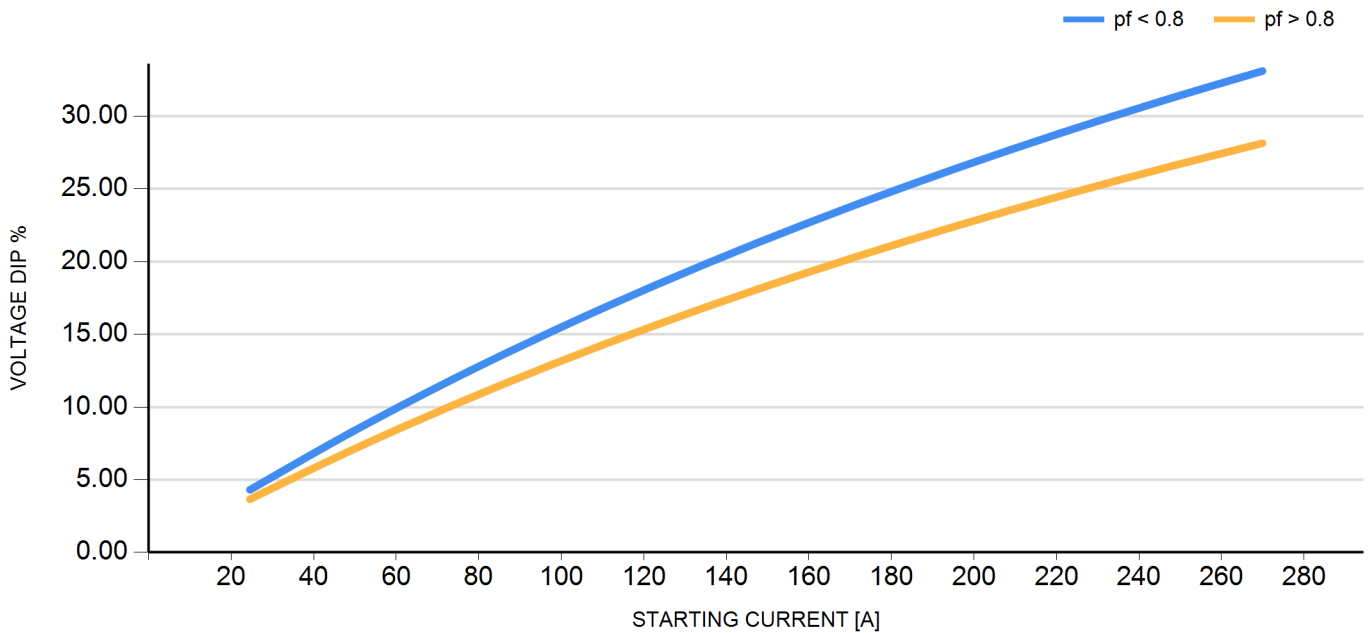
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CURVA DI RENDIMENTO - EFFICIENCY CURVE



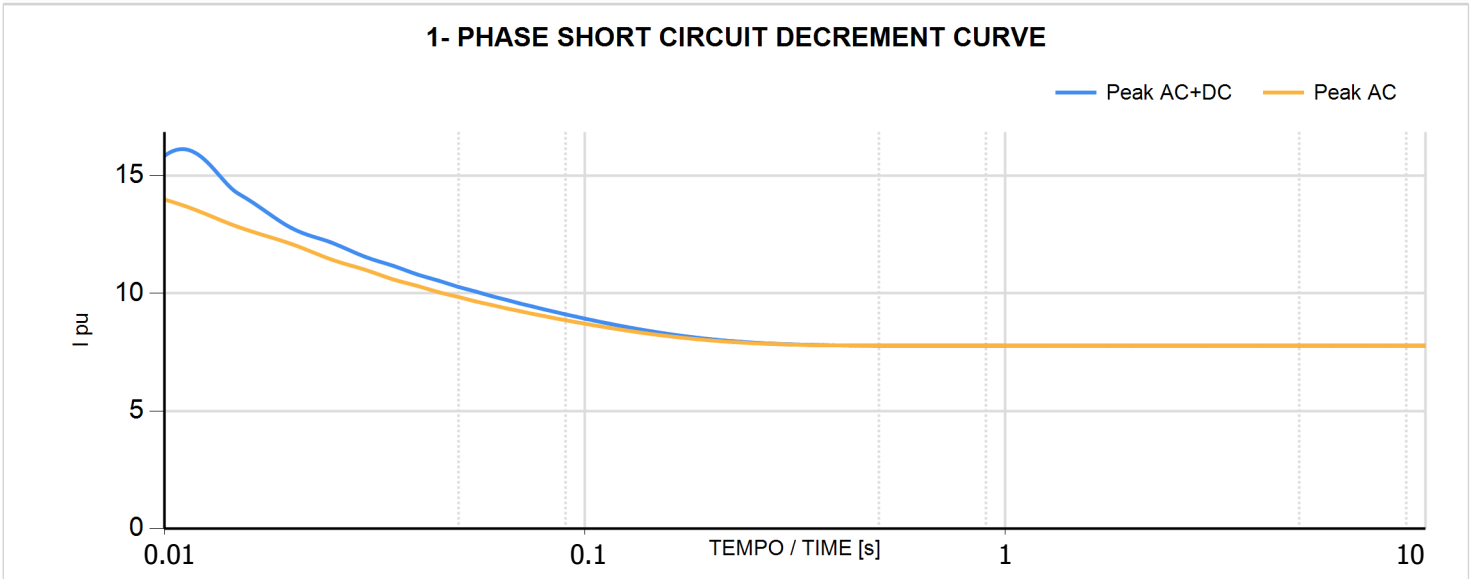
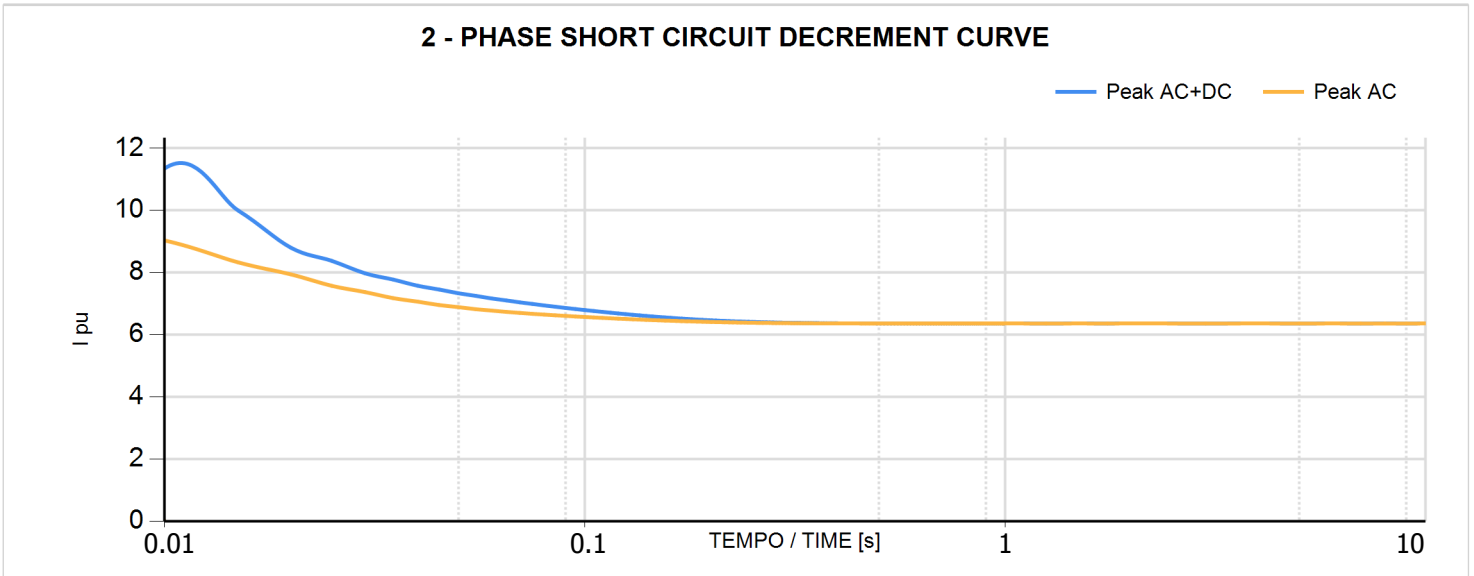
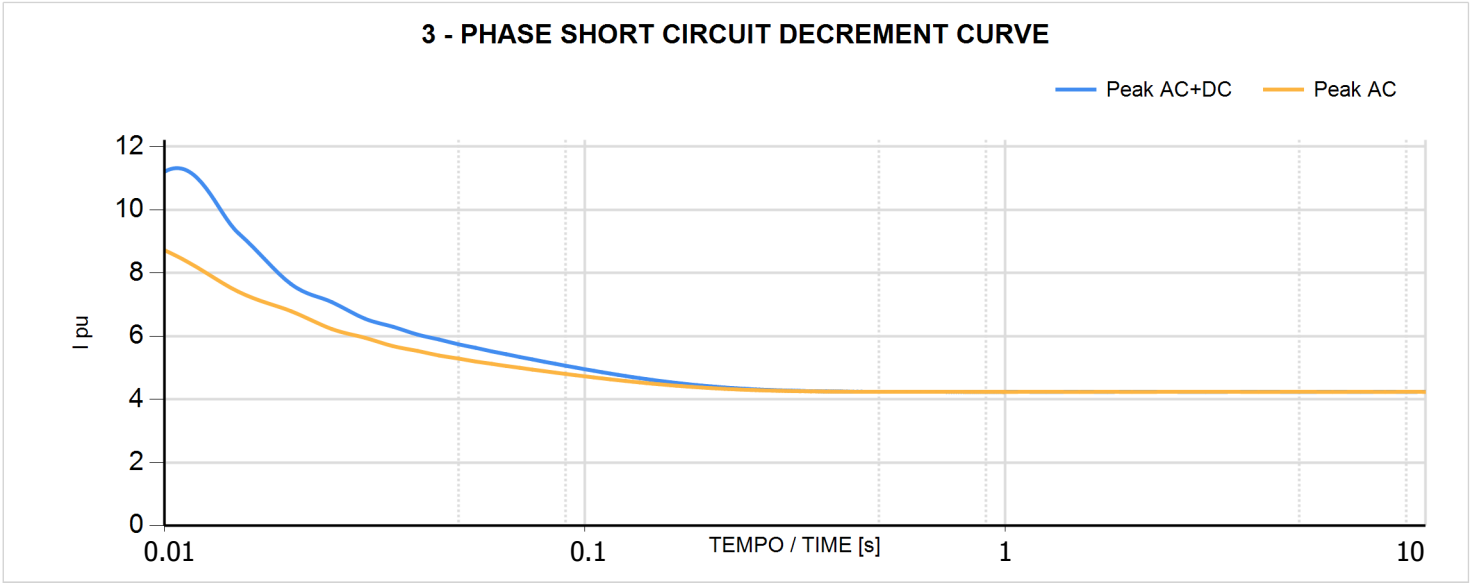
CADUTA DI TENSIONE - VOLTAGE DIP



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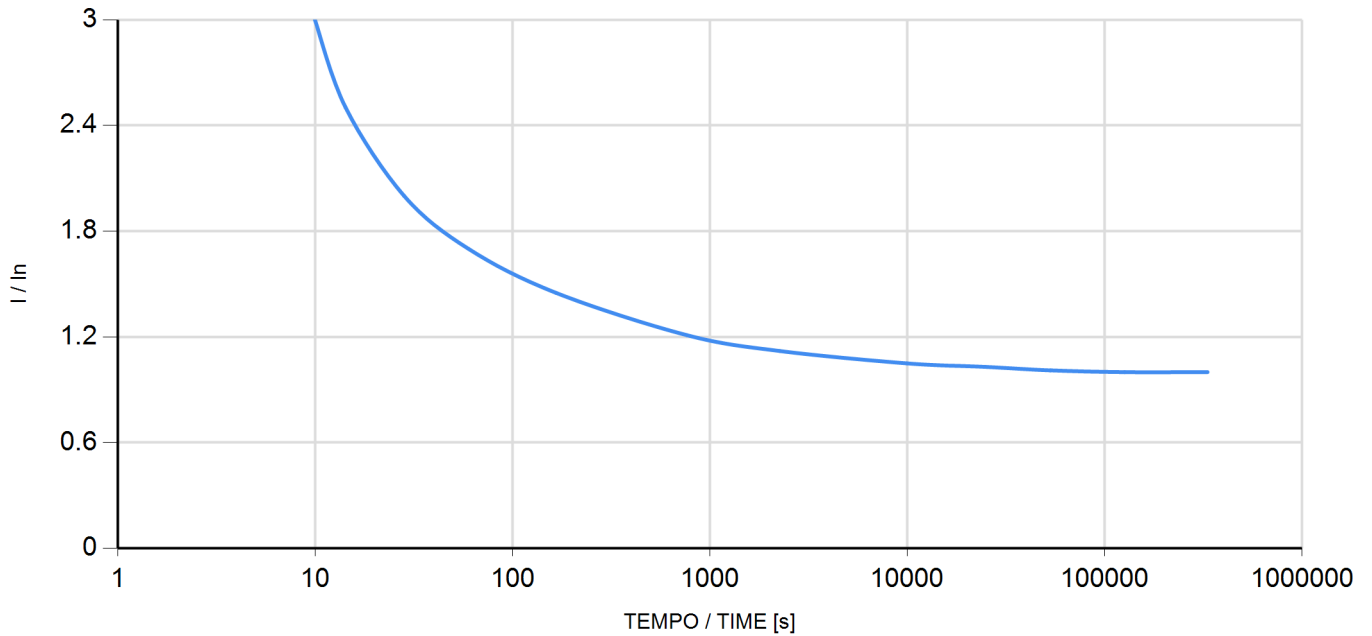


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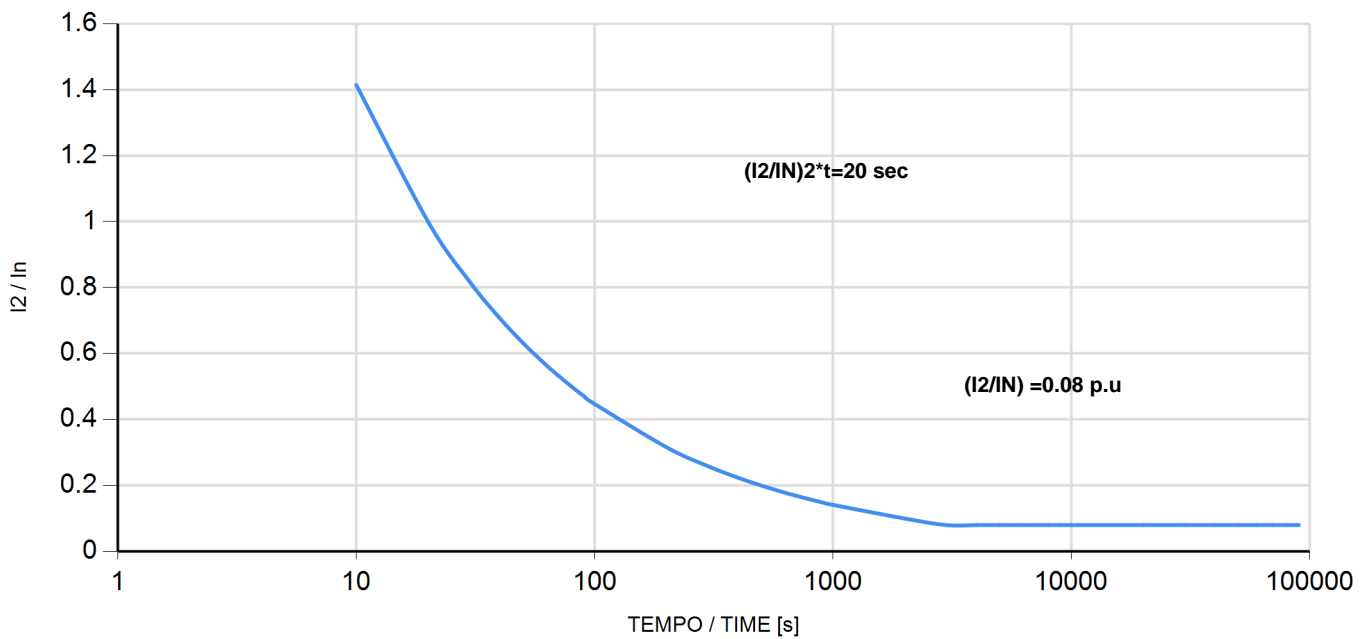
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**CURVA DI LIMITE TERMICO - THERMAL DAMAGE CURVE**

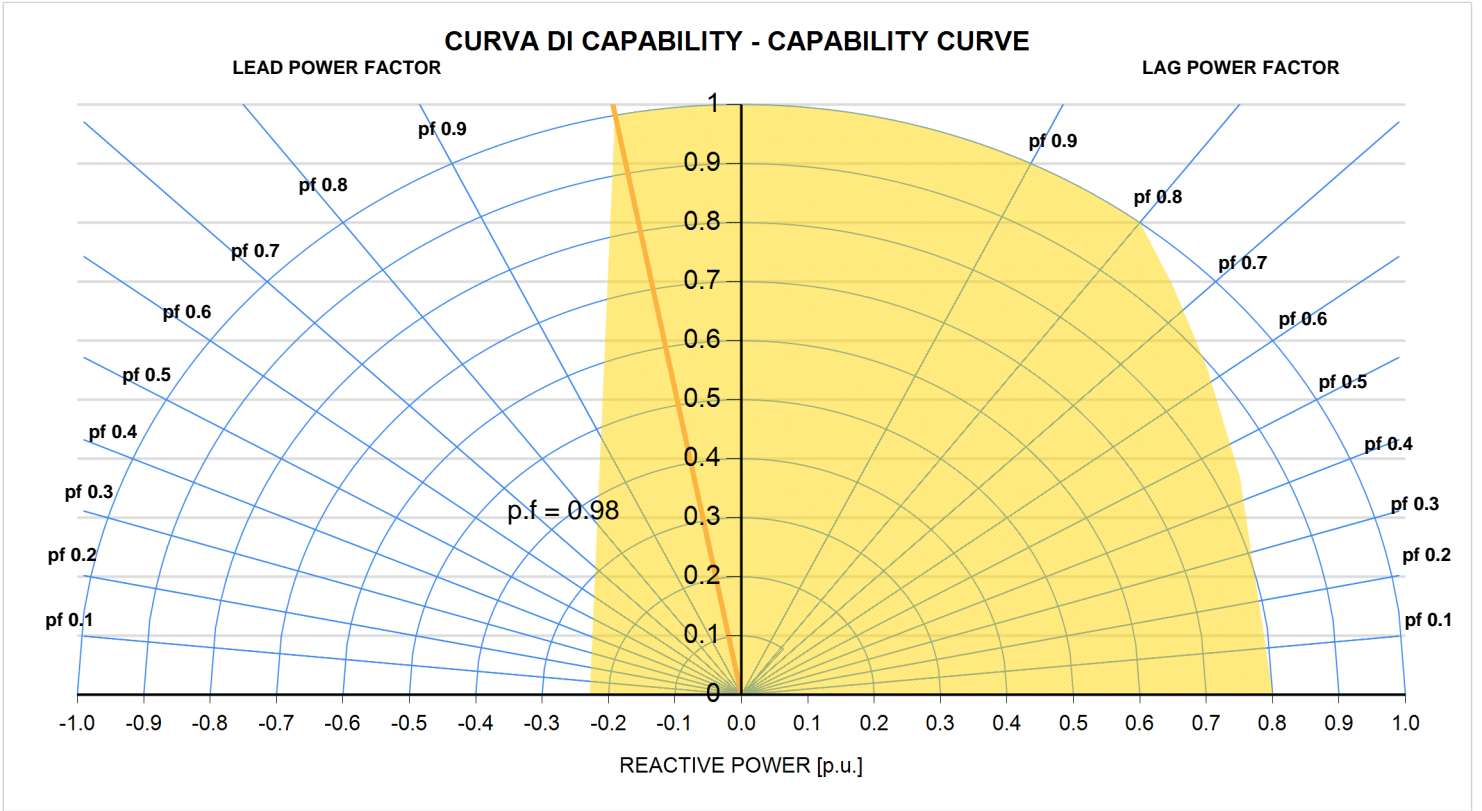


**CORRENTE SEQUENZA INVERSA - NEGATIVE SEQUENCE CURRENT**



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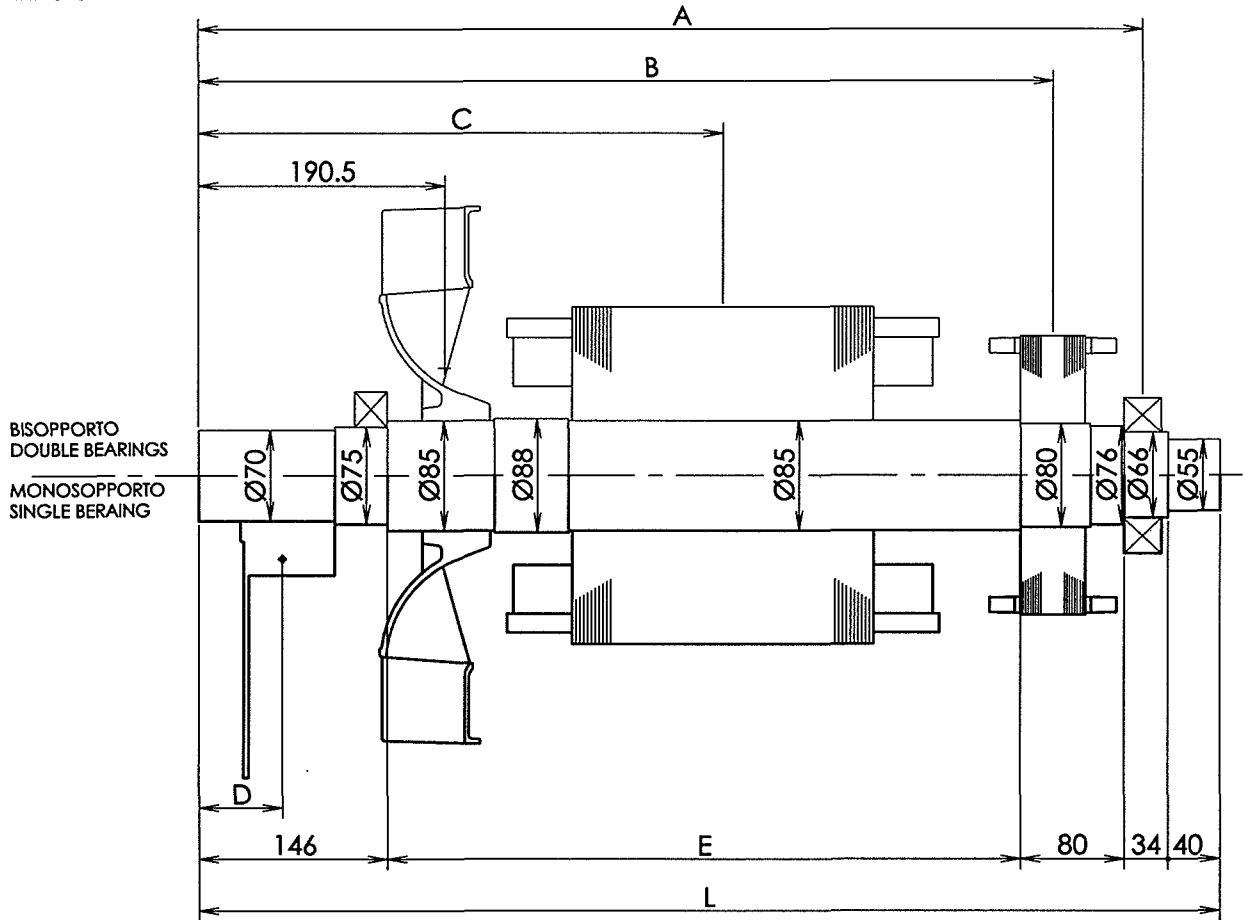
FIRMA	DATA
VERLATO	19.06.03
PELLIZZARI	19.06.03
VACCARETTI	19.06.03
DIS.	
CONTR./C.UFF.	
CONTR.NOR.	

Indice	Modifiche	Firma	Data	CONT./CUFF.	CONT.NOR.

Indice	Modifiche	Firma	Data	CONT./CUFF.	CONT.NOR.
A	MOD.DIM. PACCO MA4	<i>Acc. 26/7/03</i>			

ELEMENTI PER VERIFICHE TORSIONALI  
TORSIONAL ANALYSIS DATA

DIMENSIONI IN mm  
DIMENSIONS IN mm



1) PER L'ESECUZIONE MONOSUPPORTO  
AGGIUNGERE I VALORI DEL GIUNTO PRESCELTO  
 $4J=PD^2$

1) FOR SINGLE BEARING BUILD  
ADD THE VALUES OF SELECTED COUPLING  
 $4J=PD^2$

GIUNTO COUPLING	D	kg	J kgm <sup>2</sup>
SAE 11 1/2	64,5	10,5	0,017

TIPO TYPE	DIMENSIONI IN mm DIMENSIONS IN mm					VENTOLA FAN		ALBERO SHAFT		RUOTA POLARE MAIN CORE		ROTORE ECC. EXCITER CORE		TOTALE (1) TOTAL (1)		
	A	B	C	E	L	kg	kgm <sup>2</sup>	kg	kgm <sup>2</sup>	kg	kgm <sup>2</sup>	kg	kgm <sup>2</sup>	kg	kgm <sup>2</sup>	
MJB 225	SA4	776,5	663	392	492	792	2,9	0,058	31,5	0,026	54,5	0,456	11,7	0,0918	102	0,632
	SB4			407							62	0,522			110	0,698
	MA4	731,5	708	430	537	837					72	0,605			123	0,789
	LA4	786,5	763	457	592	892					88	0,744			140	0,924

	<b>GENERATORI</b> GENERATORS	<b>MJB 225</b> N°4 POLI N°4 POLES	<b>M00AV392A</b>			
			A			