

# MJB 315 MA4

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

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

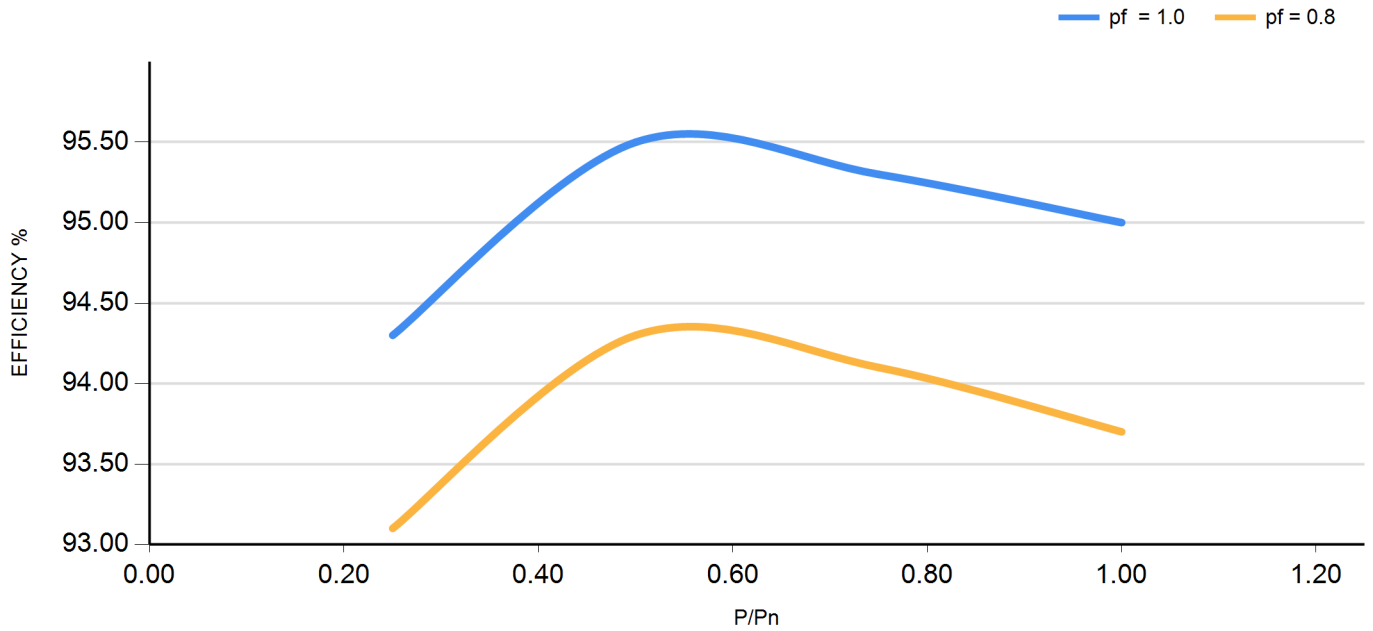
CLASSE DI SOVRATEMPERATURA - TEMPERATURE RISE CLASS	H		
CLASSE DI ISOLAMENTO - INSULATION CLASS	H		
PASSO DI AVVOLGIMENTO - WINDING PITCH	2/3		
FORMA COSTRUTTIVA - MOUNTING	B20		
TEMPERATURA AMBIENTE (°C) - AMBIENT TEMPERATURE (°C)	40		
ALTITUDINE (m s.l.m) - ALTITUDE (m a.s.l.)	1000		
SISTEMA DI RAFFREDDAMENTO - 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. 1060		
MOMENTO D'INERZIA (J) (kg*m <sup>2</sup> ) - INERTIA (J) (kg*m <sup>2</sup> )	Approx. 4.8		
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	591.8	
POTENZA - RATING	kVA	410	
RENDIMENTO - EFFICIENCY - (%)	4/4	95.0	
P.F.= 1.0	3/4	95.3	
	2/4	95.5	
RENDIMENTO - EFFICIENCY - (%)	4/4	93.7	
P.F.= 0.8	3/4	94.1	
	2/4	94.3	
Rapporto di corto circuito - short circuit ratio	SCR	0.38	
reattanza - reactance (%)	sincrona diretta - synchronous direct axis	X <sub>d uns</sub>	400
	sincrona in quadratura - synchr. quadrature axis	X <sub>q uns</sub>	225
	transitoria diretta - transient direct axis	X' <sub>d sat</sub>	37.0
	transitoria in quadratura - transient quadrature axis	X' <sub>q uns</sub>	225
	subtransitoria diretta - subtransient direct axis	X'' <sub>d sat</sub>	16.3
	subtransitoria in quad. - subtransient quadr. axis	X'' <sub>q sat</sub>	18.7
	di sequenza negativa - negative sequence	X <sub>2 sat</sub>	17.5
	di sequenza zero - zero sequence	X <sub>0 sat</sub>	3.9
costanti di tempo - time constants (s)	a vuoto - open circuit	T' <sub>do</sub>	1.750
	transitoria - transient	T' <sub>d</sub>	0.160
	subtransitoria - subtransient	T'' <sub>d</sub>	0.010
	unidirezionale - armature	T <sub>a</sub>	0.018
Coppia di corto circuito bifase - Phase to Phase short circuit torque	kN*m	24.0	
Coppia di corto circuito trifase - Three phase short circuit torque	kN*m	16.0	

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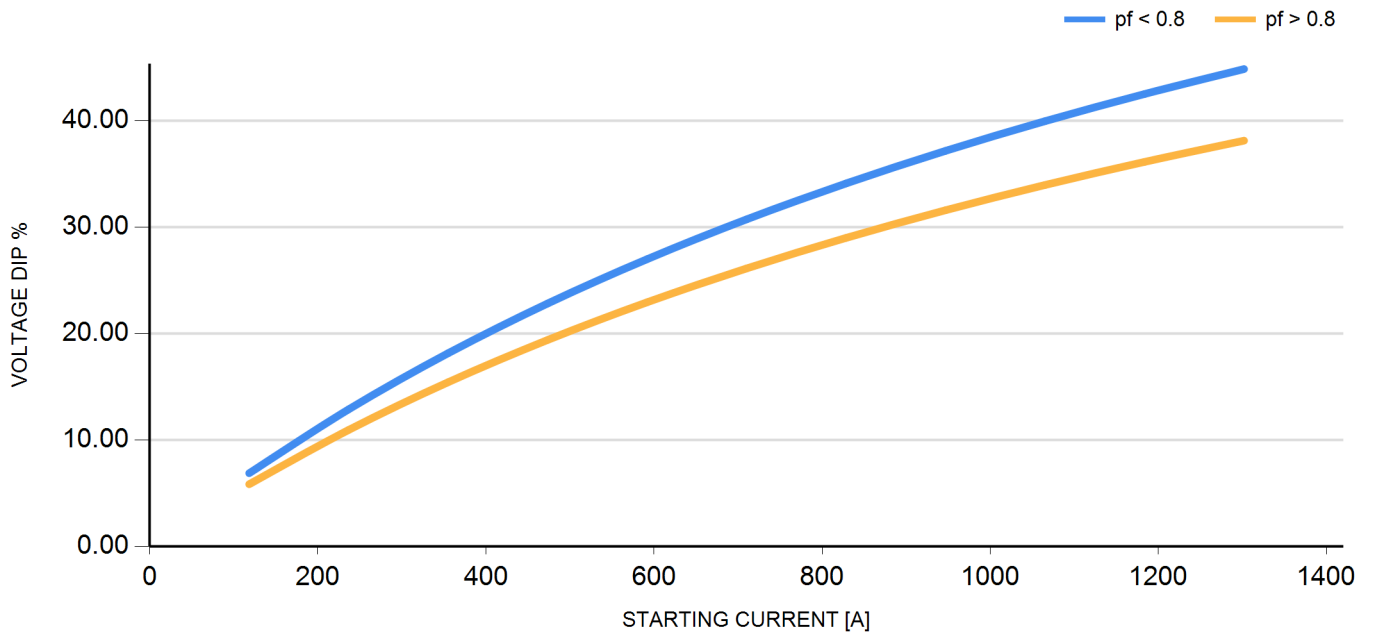
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**CURVA DI RENDIMENTO - EFFICIENCY CURVE**



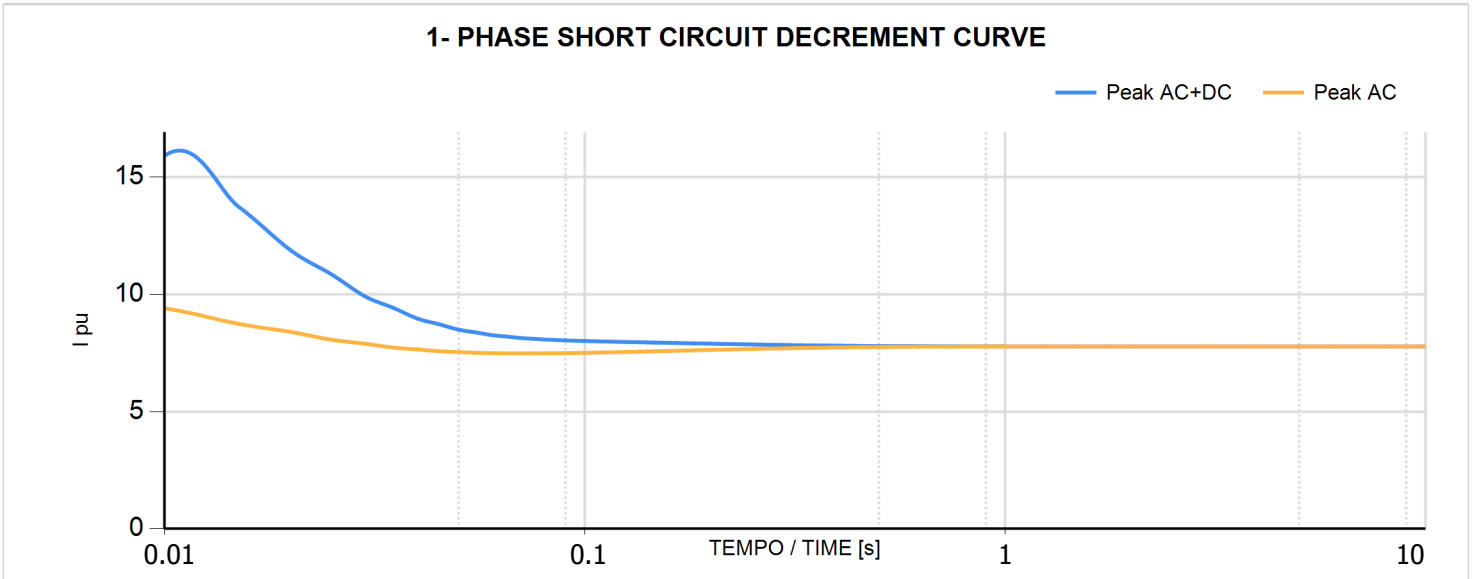
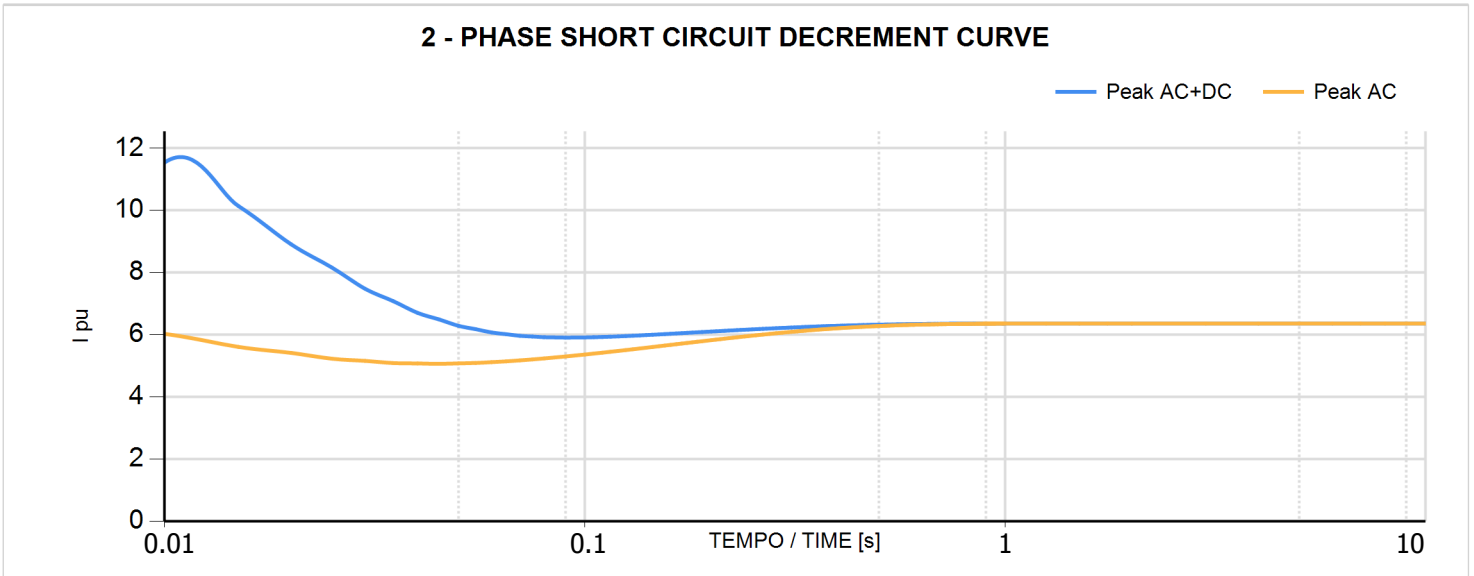
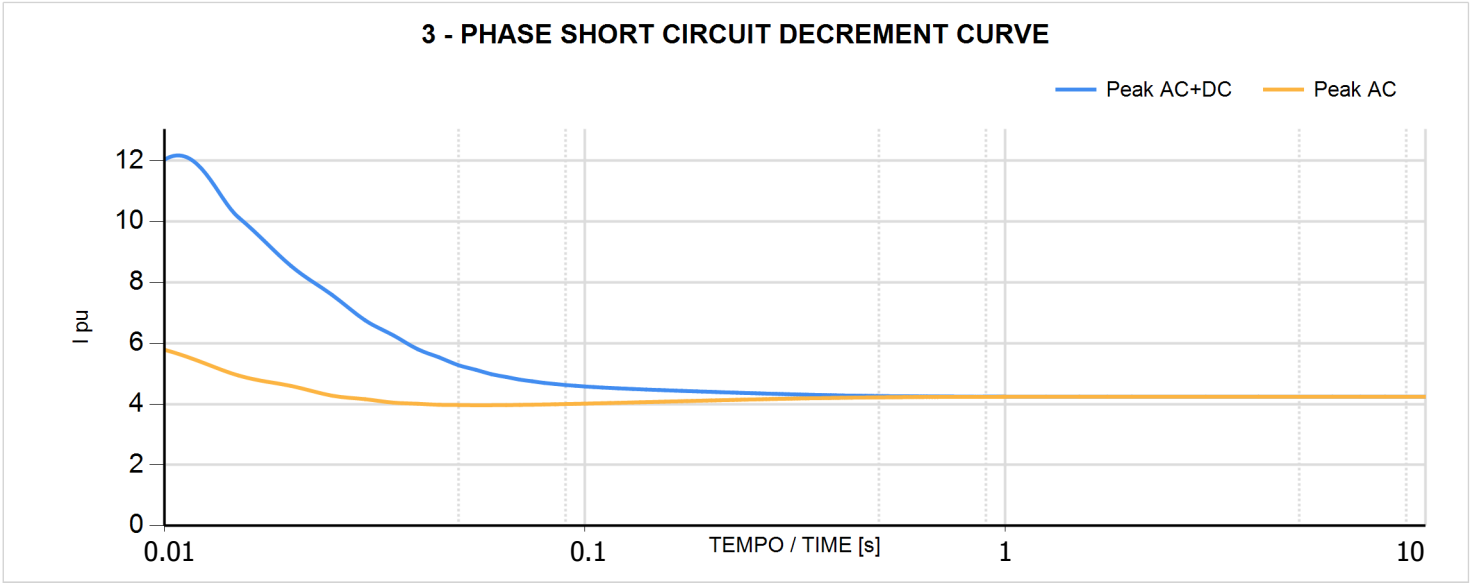
**CADUTA DI TENSIONE - VOLTAGE DIP**



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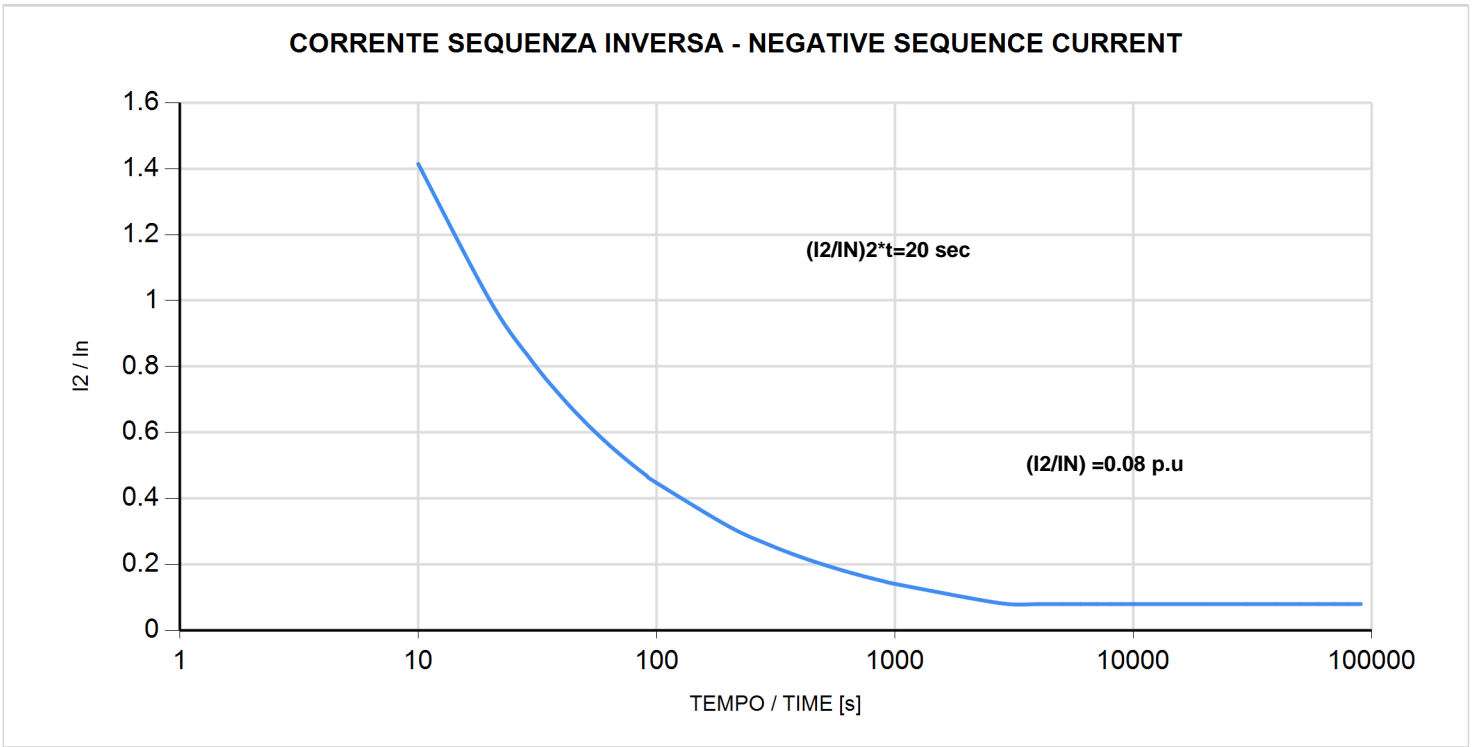
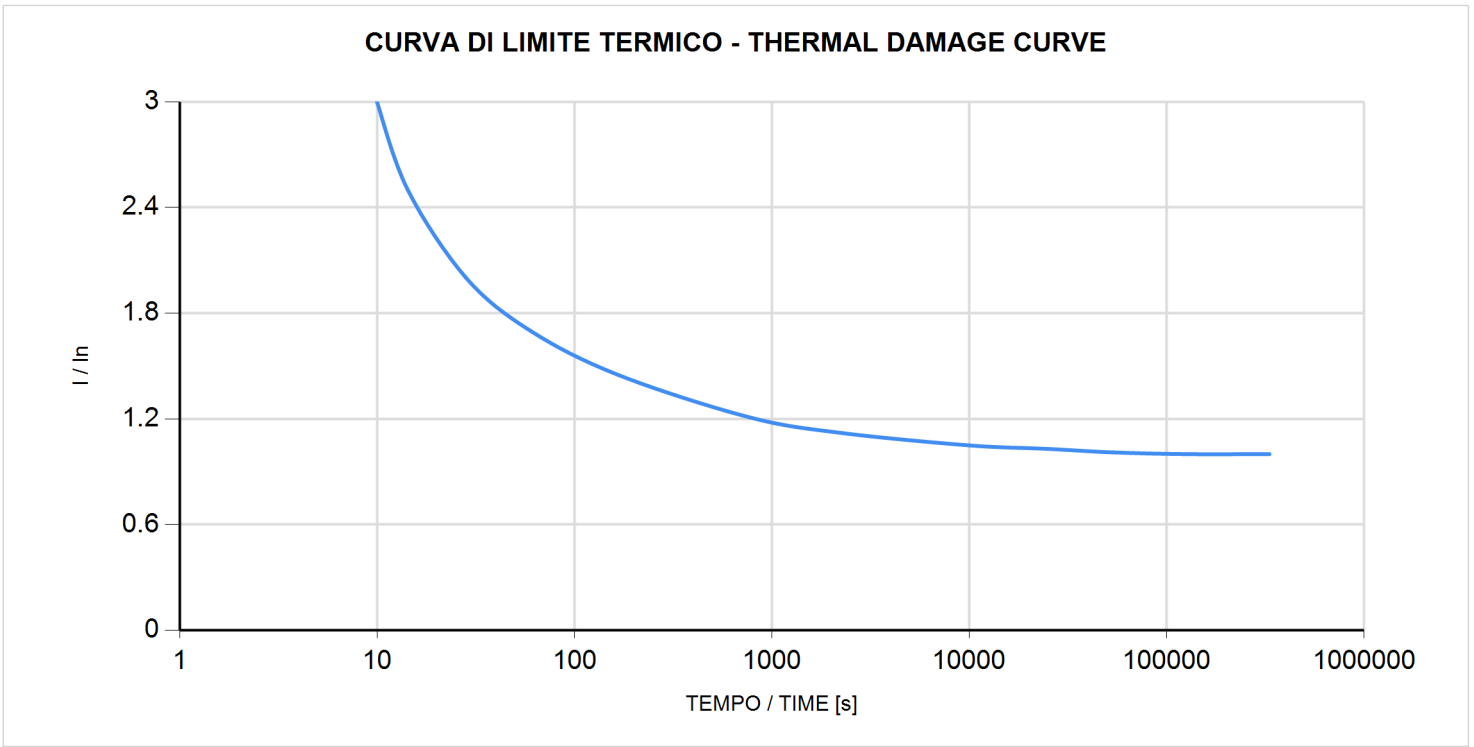
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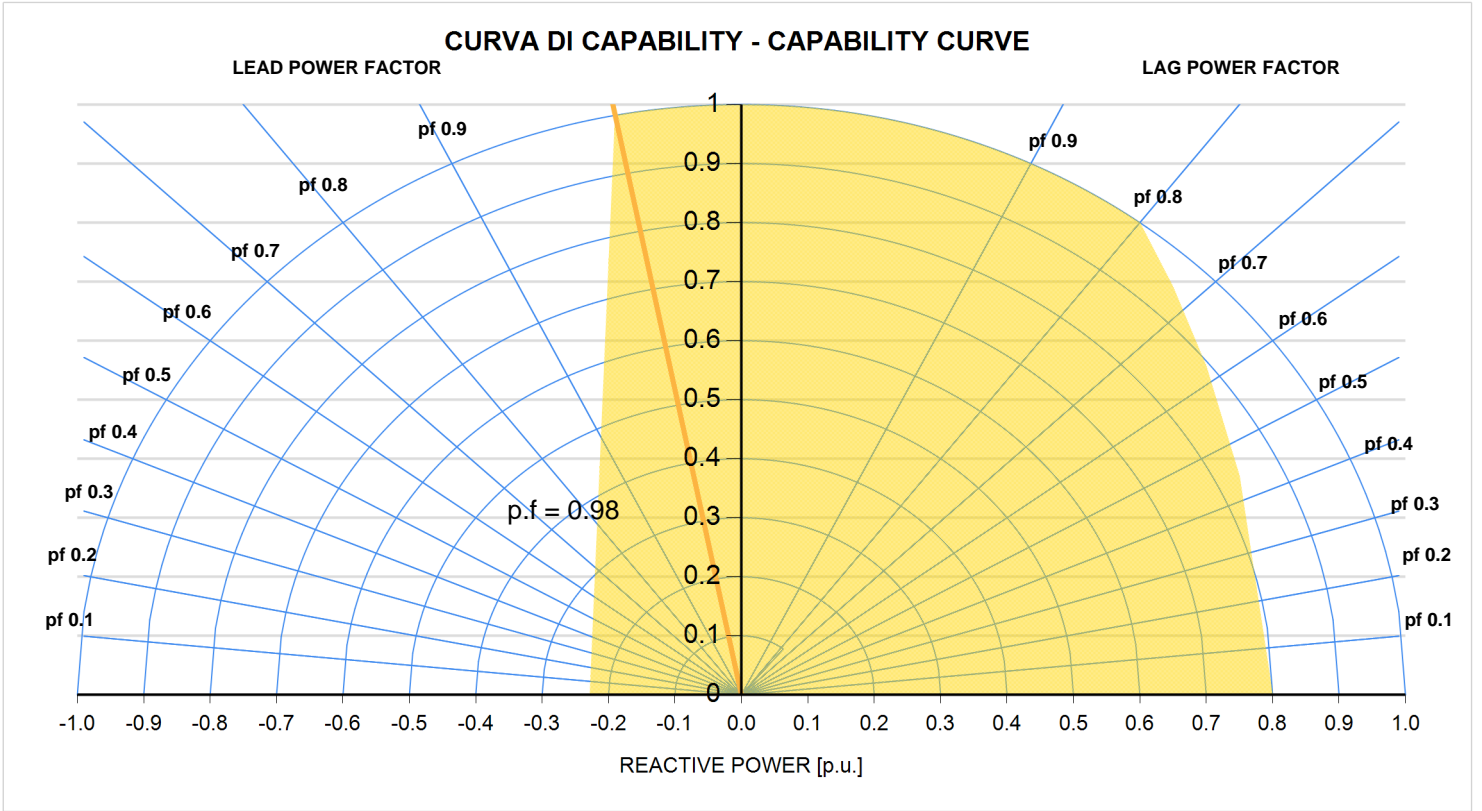
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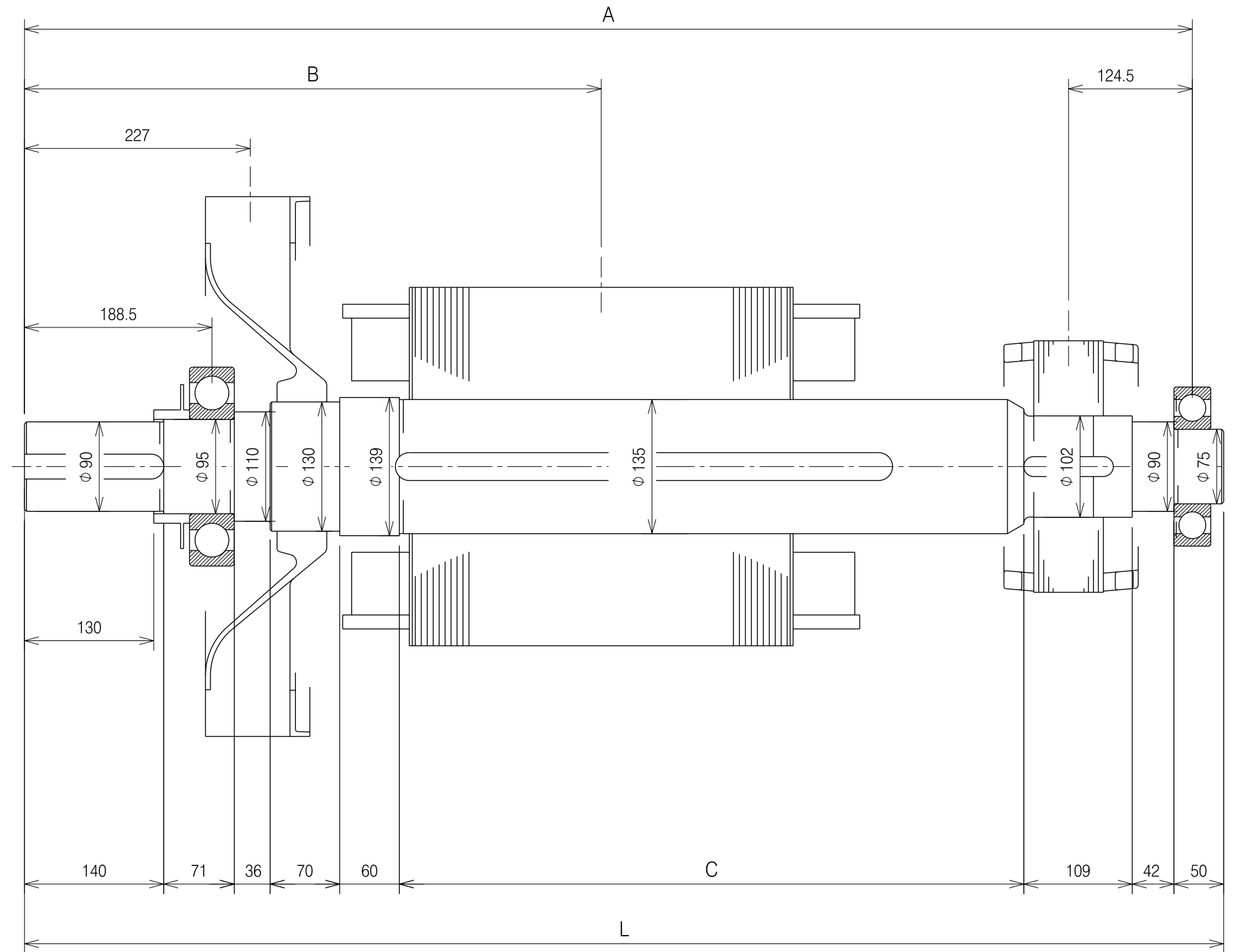
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DIMENSIONI IN mm  
DIMENSIONS IN mm

ELEMENTI PER VERIFICHE TORSIONALI  
TORSIONAL ANALYSIS DATA



TIPO TYPE	DIMENSIONI IN mm DIMENSION IN mm				VENTOLA FAN		ALBERO SHAFT		RUOTA POLARE MAIN CORE		ROTORE ECC. EXCITER CORE		TOTALE TOTAL	
	A	B	C	L	Kg	J Kgm2	Kg	J Kgm2	Kg	J Kgm2	Kg	J Kgm2	Kg	J Kgm <sup>2</sup>
SA4	1009.5	520	463	1041	6.6	0.208	92	0.164	179.5	3.086	22	0.204	300.1	3.662
SB4		550							209.5	3.676			330.1	4.252
MA4	1174.5	580	628	1201			237.5	4.190	375.1	4.796				
MB4		625					292.5	5.090	430.1	5.676				

REV	DESCRIZIONE	DATA	FIRMA
B	ADJUSTMENT LAYOUT INFORMATION	28/10/2015	E.Pretto
=	PRIMA EMISSIONE	28/10/2015	E.Pretto

	SOSTITUISCE IL COD.		SCALA	DISEGNATORE	28/10/2015	E.Pretto
	-		A3	CONTR./C.UFF.	13/11/2015	M.Debortoli

<b>GENERATORI BISOPPORTO MJB 315</b> DOUBLE BEARINGS GENERATORS MJB 315		<b>M00AV415A</b>	<b>B</b> REV
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