






Hyundai Rotem Company

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Doc. No.	REDU106729
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**Wellington EMU(96)
Train Performance Curve for
Matangi after Mainline Test**

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1. General

This document is to show the modified performance curves for traction system after mainline test.

2. Performance Curves List

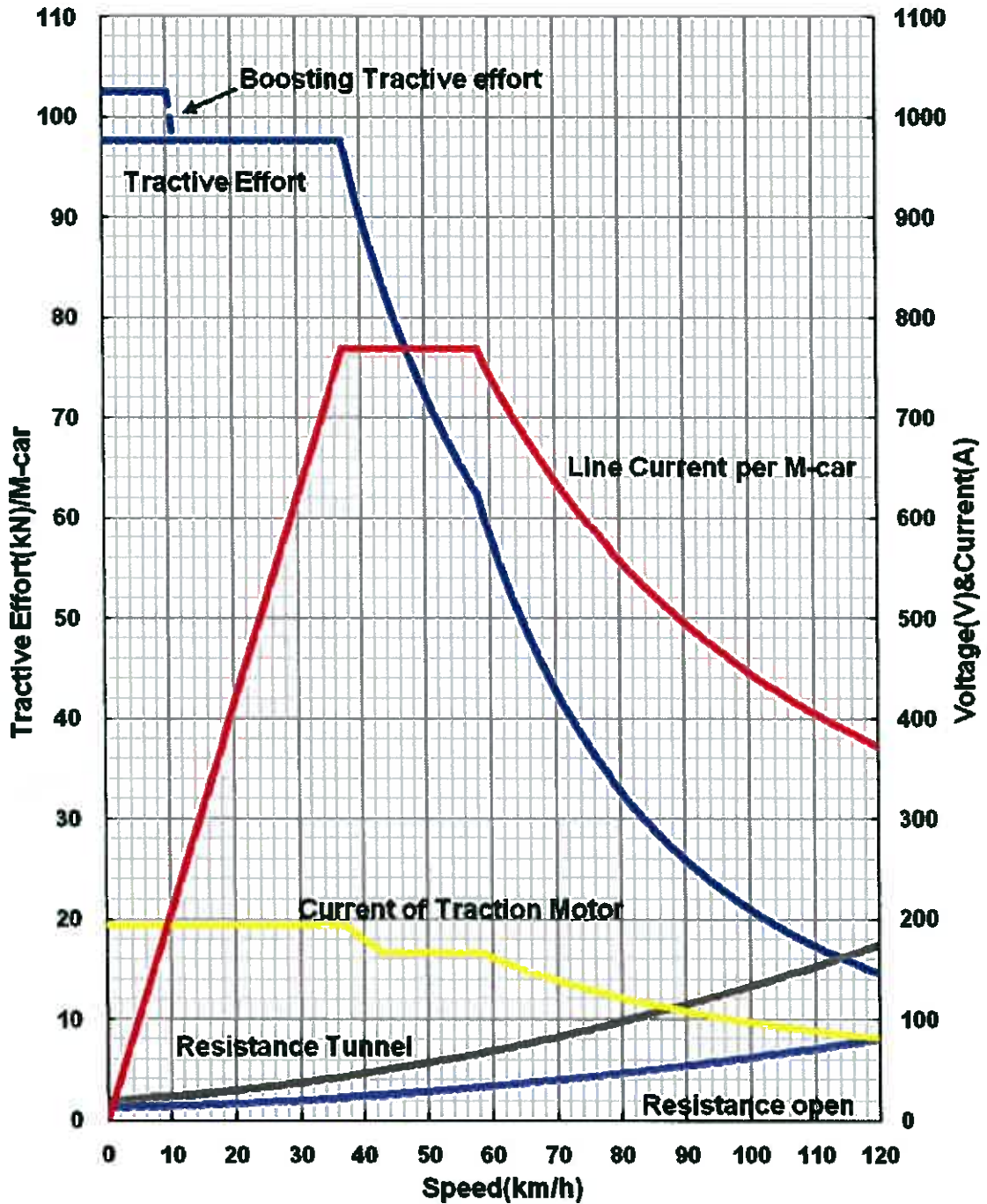
No	Curve No.	Curve Description	Remark
1	Matangi_powering_001	Powering performance curve in AW3 load, Max. power and OHW voltage DC1,500V condition	
2	Matangi_Regen._Braking_001	Regenerative braking performance curve in AW3 load, Max. brake and OHW voltage DC1,650V condition	
3	Matangi_powering_002	Powering performance curve in AW3 load, Max. power and OHW voltage DC1,000V condition	
4	Matangi_powering_003	Powering performance curve in AW3 load, Max. power and OHW voltage DC1,300V condition	
5	Matangi_Voltage_Current_001	Max. Current Current for changing OHW voltage in AW3 load, Max.power or braking condition	
6	Matangi_powering_004	Powering performance curve for each position of master controller in AW3 load and OHW voltage DC1,500V condition	
7	Matangi_powering_005	Powering performance curve for each position of master controller in tare load and OHW voltage DC1,500V condition	

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3. Performance Curves

Curve No. Matangi_powering_001

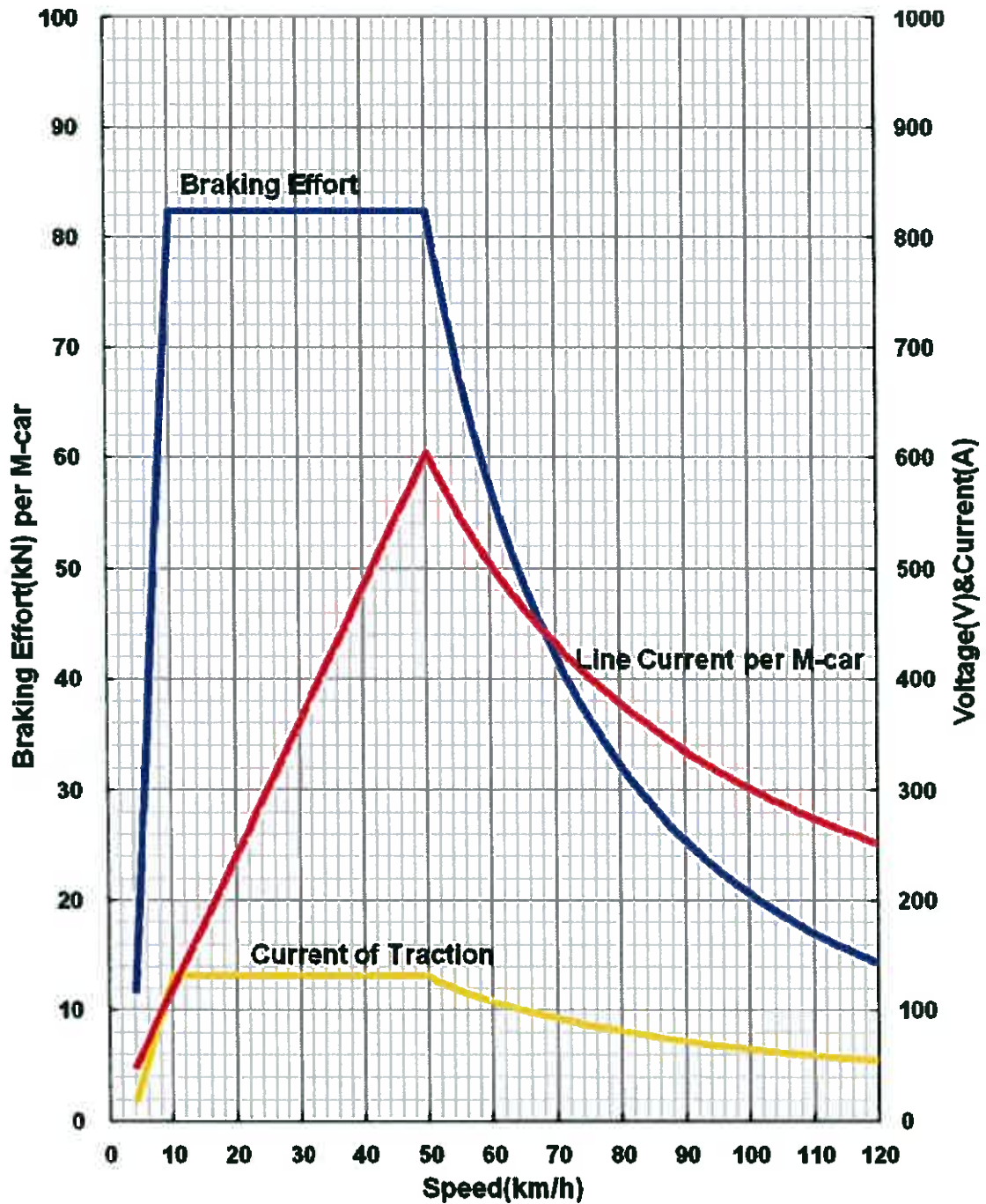
Powering Performance Curve in OHW voltage DC 1,500V



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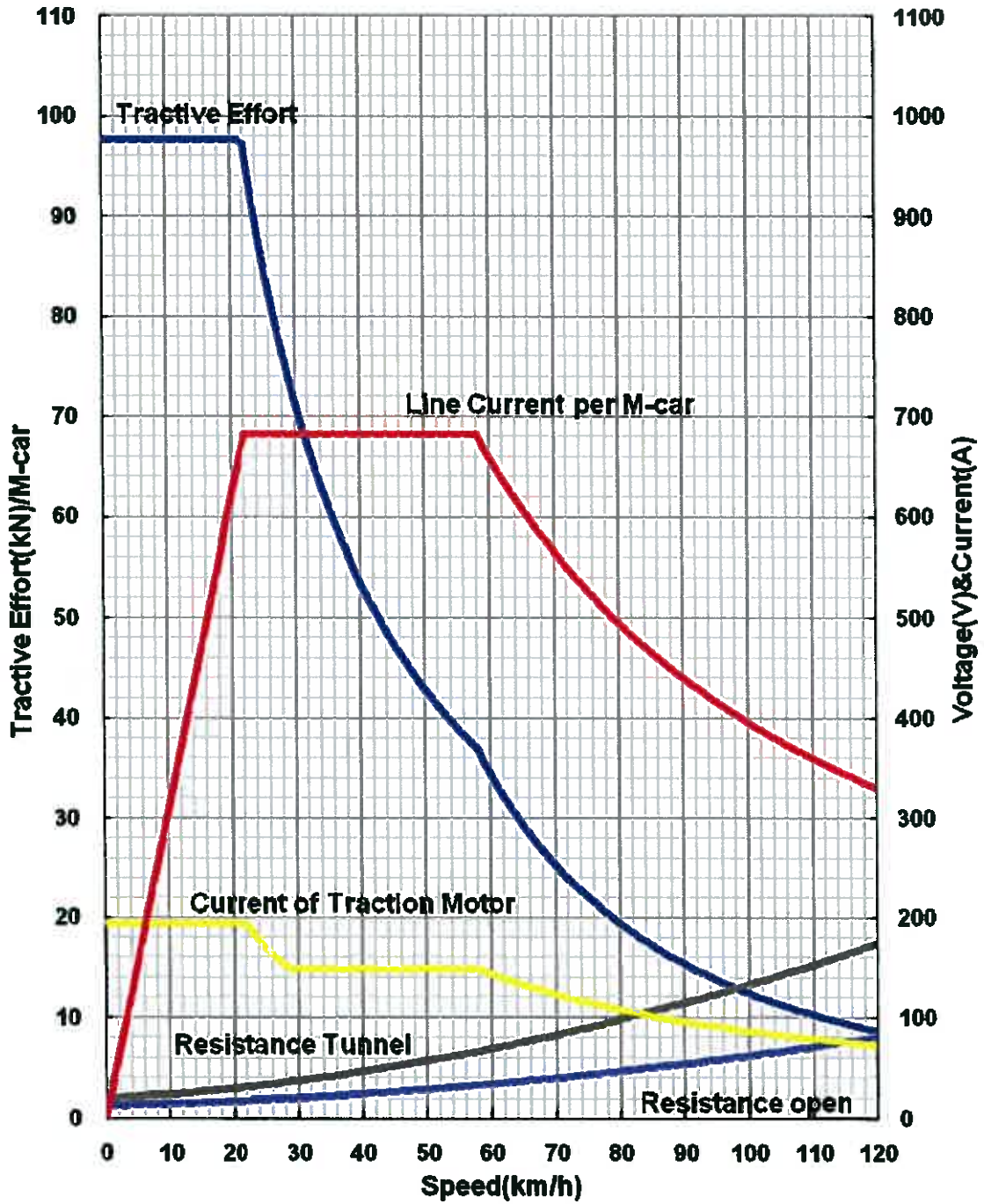
Curve No. Matangi_Regn._Braking_001

Regenerative Braking Performance Curve in OHW voltage DC 1,650V



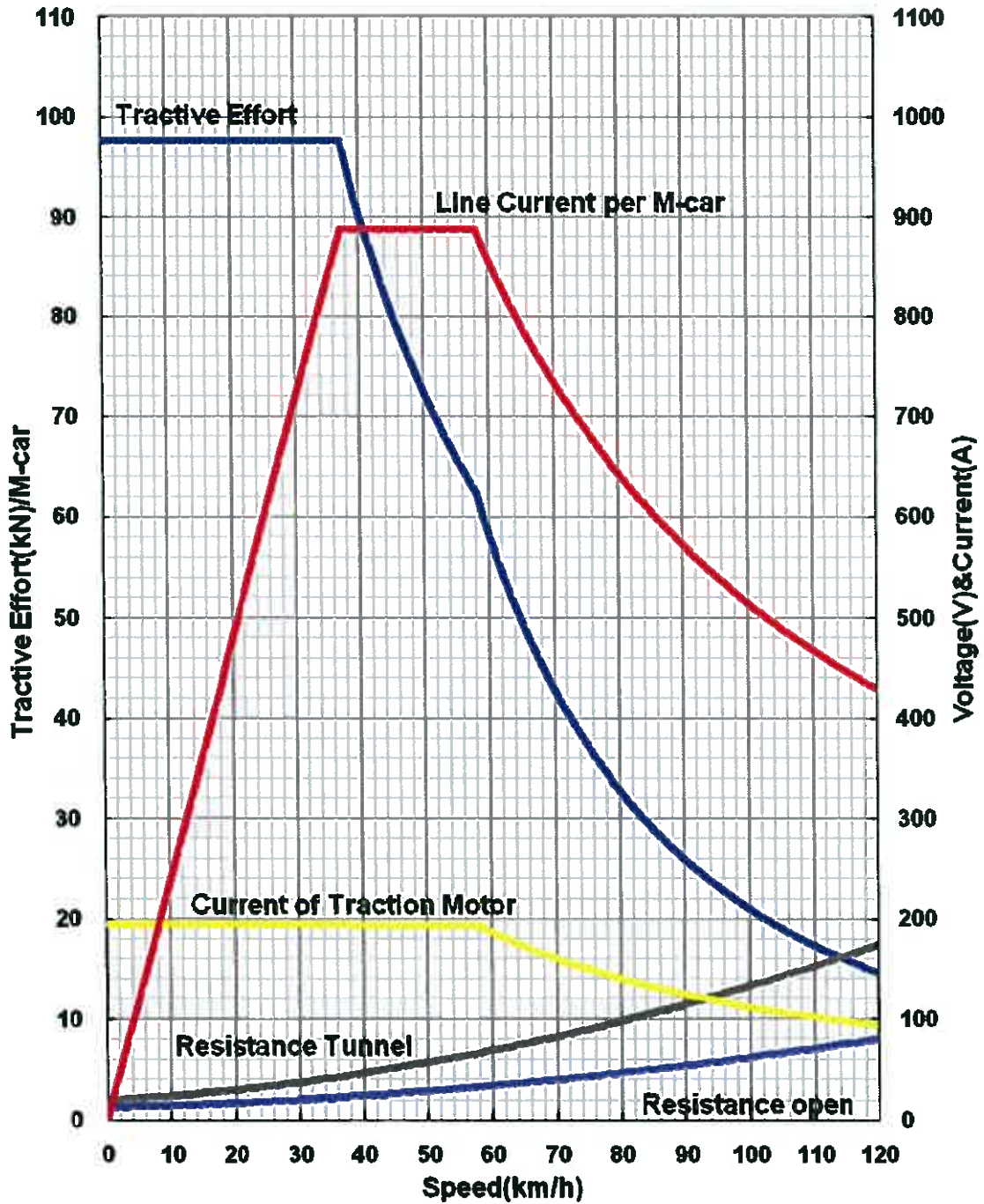
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Curve No. Matangi_powering_002
 Powering Performance Curve in OHW voltage DC 1,000V



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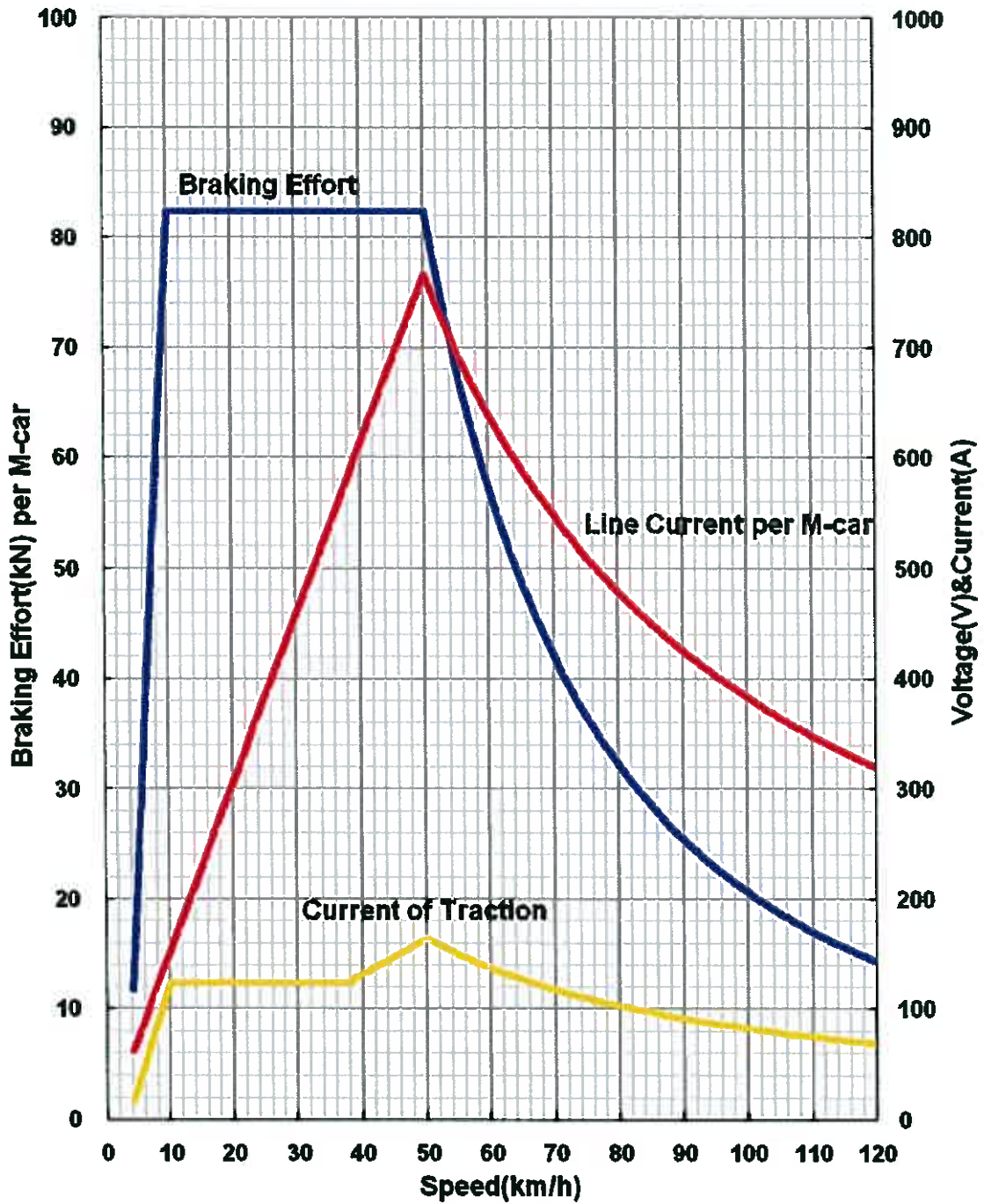
Curve No. Matangi_powering_003
 Powering Performance Curve in OHW voltage DC 1,300V



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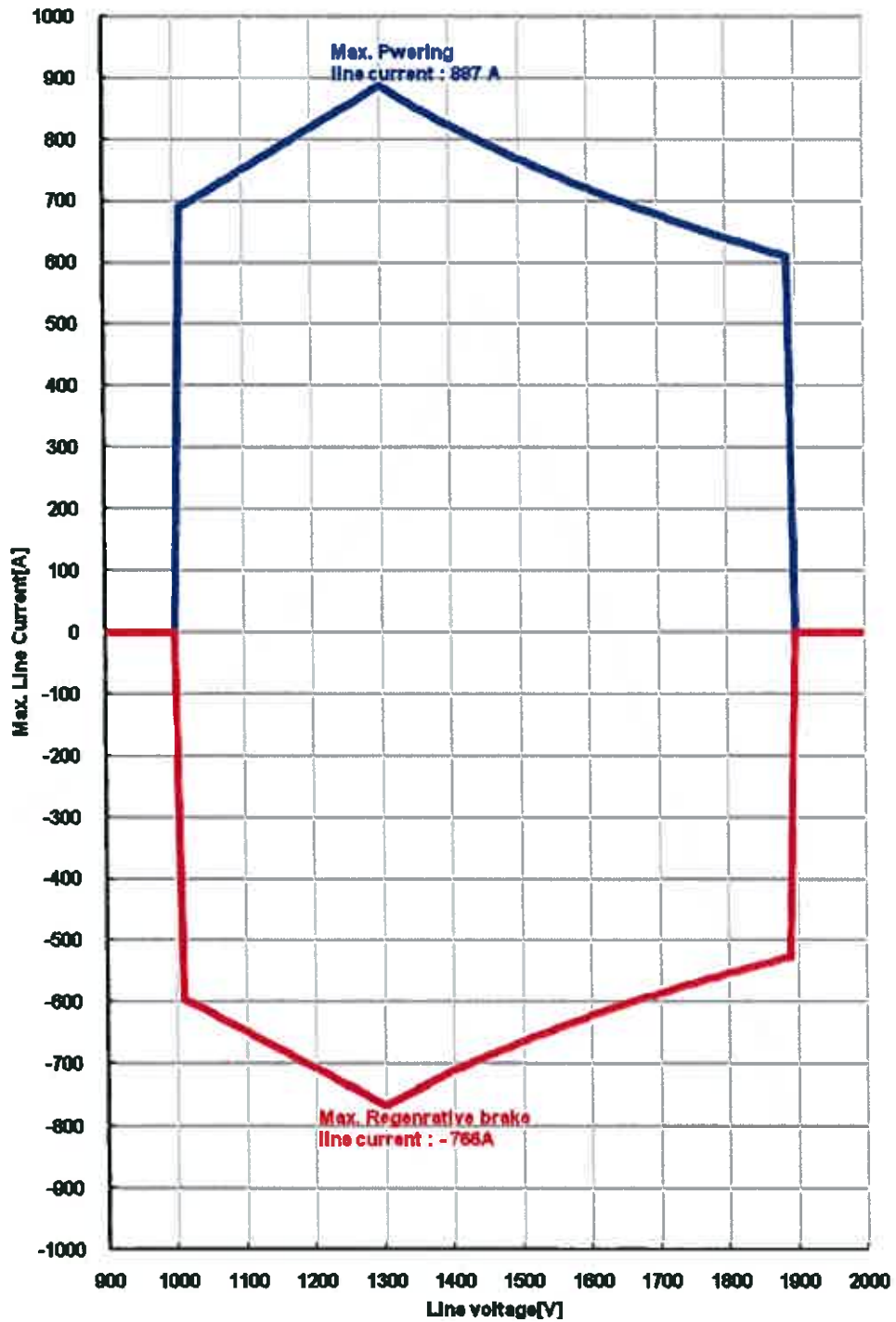
Curve No. Matangi_Regn._Braking_002

Regenerative Braking Performance Curve in OHW voltage DC 1,300V



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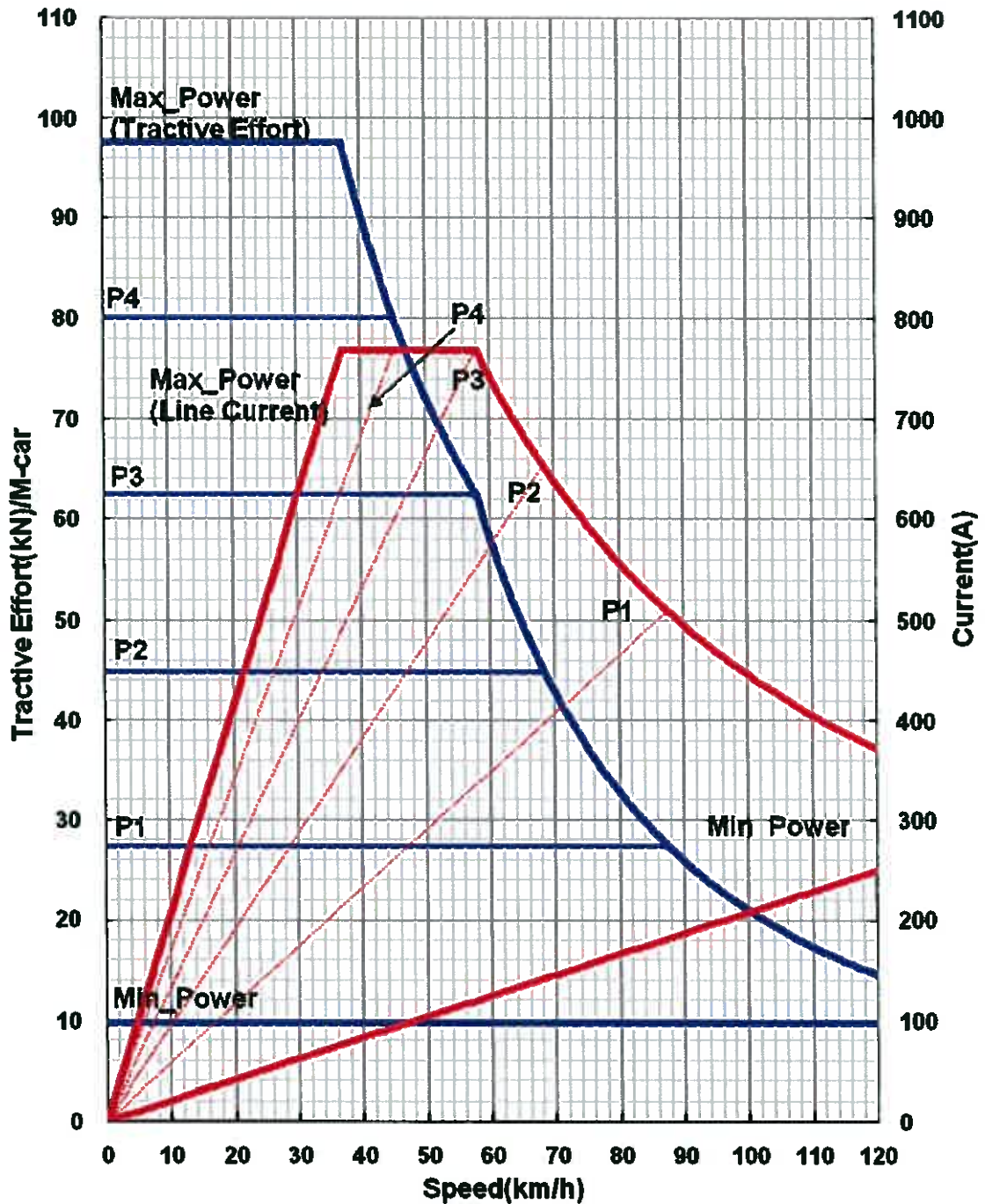
**Curve No. Matangi_Voltage_Current_001
OHW Voltage vs Line Current Curve**



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Curve No. Matangi_powering_004

Powering Performance Curve for Master controller Position in AW3 load condition



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Curve No. Matangi_powering_005

Powering Performance Curve for Master controller Position in Tare load condition

