

HOPRA CMPM Motor Magnet Data

Approved 10/14/25

HOPRA Magnet Gauss Limit: 1775

<u>Manufacturer:</u>	BSRT
<u>Part Number</u>	276 (HD)
<u>Submission Date:</u>	2020
<u>Approval Date:</u>	2020

Driver	Average
Top	1659
Bottom	1713

Passenger	Average
Top	1712
Bottom	1709

<u>Manufacturer:</u>	BSRT - LD
<u>Part Number</u>	292
<u>Submission Date:</u>	2020
<u>Approval Date:</u>	2020

Driver	Average
Top	1366
Bottom	1402

Passenger	Average
Top	1451
Bottom	1484

<u>Manufacturer:</u>	RPM - LD
<u>Part Number</u>	HF-LDM10
<u>Submission Date:</u>	2023
<u>Approval Date:</u>	2024

Driver	Average
Top	1318
Bottom	1314

Passenger	Average
Top	1284
Bottom	1234

<u>Manufacturer:</u>	RPM
<u>Part Number</u>	HF-HDM10
<u>Submission Date:</u>	2023
<u>Approval Date:</u>	2024

Driver	Average
Top	1496
Bottom	1591

Passenger	Average
Top	1518
Bottom	1478

<u>Manufacturer:</u>	VIPER HIGH TORQUE
<u>Part Number</u>	12007
<u>Submission Date:</u>	2020
<u>Approval Date:</u>	2021

Driver	Average
Top	1376
Bottom	1362

Passenger	Average
Top	1313
Bottom	1332

HOPRA CMPM Traction Magnet Data

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HOPRA Magnet Gauss Limit: 2230

<u>Manufacturer:</u>	BSRT
<u>Part Number</u>	286
<u>Submission Date:</u>	2012
<u>Approval Date:</u>	2013

Sample 1	Average
North	2190
South	N/A

Sample 2	Average
North	N/A
South	2133

<u>Manufacturer:</u>	RPM
<u>Part Number</u>	L10-T
<u>Submission Date:</u>	2022
<u>Approval Date:</u>	2023

Sample 1	Average
North	1803
South	1677

Sample 2	Average
North	1880
South	1617

<u>Manufacturer:</u>	VIPER - V1
<u>Part Number</u>	12006
<u>Submission Date:</u>	2014
<u>Approval Date:</u>	2015

Sample 1	Average
North	2130
South	N/A

Sample 2	Average
North	N/A
South	2110

<u>Manufacturer:</u>	VIPER - V1 Black Diamond
<u>Part Number</u>	12010
<u>Submission Date:</u>	2025
<u>Approval Date:</u>	2026

Sample 1	Average
North	1663
South	N/A

Sample 2	Average
North	N/A
South	1680

<u>Manufacturer:</u>	VIPER - V1 Maxi
<u>Part Number</u>	22738
<u>Submission Date:</u>	2022
<u>Approval Date:</u>	2023

Sample 1	Average
North	1923
South	N/A

Sample 2	Average
North	N/A
South	1950

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<u>Manufacturer:</u>	VIPER - HD
<u>Part Number</u>	12008
<u>Submission Date:</u>	2019
<u>Approval Date:</u>	2020

Driver	Average
Top	1701
Bottom	1716

Passenger	Average
Top	1723
Bottom	1745

<u>Manufacturer:</u>	VIPER - Tipped
<u>Part Number</u>	12227
<u>Submission Date:</u>	2025
<u>Approval Date:</u>	2026

Driver	Average
Top	1347
Bottom	1417

Passenger	Average
Top	1369
Bottom	1371

<u>Manufacturer:</u>	VIPER-HCS
<u>Part Number</u>	12005
<u>Submission Date:</u>	2013
<u>Approval Date:</u>	2014

Driver	Average
Top	1533
Bottom	1493

Passenger	Average
Top	1486
Bottom	1499

<u>Manufacturer:</u>	WIZARD
<u>Part Number</u>	MHP 60
<u>Submission Date:</u>	2011
<u>Approval Date:</u>	2012

Driver	Average
Top	1061
Bottom	1110

Passenger	Average
Top	1204
Bottom	993

<u>Manufacturer:</u>	WIZARD
<u>Part Number</u>	FS 70
<u>Submission Date:</u>	2018
<u>Approval Date:</u>	2019

Driver	Average
Top	1137
Bottom	1061

Passenger	Average
Top	1057
Bottom	1133

HOPRA CMPM Traction Magnet Data

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HOPRA Magnet Gauss Limit: 2230

<u>Manufacturer:</u>	VIPER - V3
<u>Part Number</u>	11056
<u>Submission Date:</u>	2025
<u>Approval Date:</u>	2026

Sample 1	Average
North	1760
South	1827

Sample 2	Average
North	1797
South	1803

<u>Manufacturer:</u>	VIPER - V3 Step
<u>Part Number</u>	
<u>Submission Date:</u>	2025
<u>Approval Date:</u>	2026

Sample 1	Average
North	1973
South	1783

Sample 2	Average
North	1984
South	1768

<u>Manufacturer:</u>	WIZARD
<u>Part Number</u>	MHP61
<u>Submission Date:</u>	2011
<u>Approval Date:</u>	2012

Sample 1	Average
North	1673
South	N/A

Sample 2	Average
North	N/A
South	1590

<u>Manufacturer:</u>	WIZARD
<u>Part Number</u>	MHP67
<u>Submission Date:</u>	2013
<u>Approval Date:</u>	2014

Sample 1	Average
North	1983
South	N/A

Sample 2	Average
North	N/A
South	1933

<u>Manufacturer:</u>	WIZARD
<u>Part Number</u>	FS71
<u>Submission Date:</u>	2021
<u>Approval Date:</u>	2022

Sample 1	Average
North	1770
South	1780

Sample 2	Average
North	1777
South	1753