

HOPRA CMPM Motor Magnet Data

Approved 10/14/25

HOPRA Magnet Gauss Limit: 1775

Manufacturer: BSRT
Part Number 276 (HD)
Submission Date: 2020
Approval Date: 2020

Driver	Average
Top	1659
Bottom	1713

Passenger	Average
Top	1712
Bottom	1709

Manufacturer: BSRT - LD
Part Number 292
Submission Date: 2020
Approval Date: 2020

Driver	Average
Top	1366
Bottom	1402

Passenger	Average
Top	1451
Bottom	1484

Manufacturer: RPM - LD
Part Number HF-LDM10
Submission Date: 2023
Approval Date: 2024

Driver	Average
Top	1318
Bottom	1314

Passenger	Average
Top	1284
Bottom	1234

Manufacturer: RPM
Part Number HF-HDM10
Submission Date: 2023
Approval Date: 2024

Driver	Average
Top	1496
Bottom	1591

Passenger	Average
Top	1518
Bottom	1478

Manufacturer: VIPER HIGH TORQUE
Part Number 12007
Submission Date: 2020
Approval Date: 2021

Driver	Average
Top	1376
Bottom	1362

Passenger	Average
Top	1313
Bottom	1332

HOPRA CMPM Traction Magnet Data

Approved 10/14/25

HOPRA Magnet Gauss Limit: 2230

Manufacturer: BSRT
Part Number 286
Submission Date: 2012
Approval Date: 2013

Sample 1	Average
North	2190
South	N/A

Sample 2	Average
North	N/A
South	2133

Manufacturer: RPM
Part Number L10-T
Submission Date: 2022
Approval Date: 2023

Sample 1	Average
North	1803
South	1677

Sample 2	Average
North	1880
South	1617

Manufacturer: VIPER - V1
Part Number 12006
Submission Date: 2014
Approval Date: 2015

Sample 1	Average
North	2130
South	N/A

Sample 2	Average
North	N/A
South	2110

Manufacturer: VIPER - V1 Black Diamond
Part Number 12010
Submission Date: 2025
Approval Date: 2026

Sample 1	Average
North	1663
South	N/A

Sample 2	Average
North	N/A
South	1680

Manufacturer: VIPER - V1 Maxi
Part Number 22738
Submission Date: 2022
Approval Date: 2023

Sample 1	Average
North	1923
South	N/A

Sample 2	Average
North	N/A
South	1950

HOPRA CMPM Motor Magnet Data

Approved 10/14/25

HOPRA Magnet Gauss Limit: 1775

Manufacturer: VIPER - HD
Part Number 12008
Submission Date: 2019
Approval Date: 2020

Driver	Average
Top	1701
Bottom	1716

Passenger	Average
Top	1723
Bottom	1745

Manufacturer: VIPER - Tipped
Part Number 12227
Submission Date: 2025
Approval Date: 2026

Driver	Average
Top	1347
Bottom	1417

Passenger	Average
Top	1369
Bottom	1371

Manufacturer: VIPER-HCS
Part Number 12005
Submission Date: 2013
Approval Date: 2014

Driver	Average
Top	1533
Bottom	1493

Passenger	Average
Top	1486
Bottom	1499

Manufacturer: WIZZARD
Part Number MHP 60
Submission Date: 2011
Approval Date: 2012

Driver	Average
Top	1061
Bottom	1110

Passenger	Average
Top	1204
Bottom	993

Manufacturer: WIZZARD
Part Number FS 70
Submission Date: 2018
Approval Date: 2019

Driver	Average
Top	1137
Bottom	1061

Passenger	Average
Top	1057
Bottom	1133

HOPRA CMPM Traction Magnet Data

Approved 10/14/25

HOPRA Magnet Gauss Limit: 2230

Manufacturer: VIPER - V3
Part Number 11056
Submission Date: 2025
Approval Date: 2026

Sample 1	Average
North	1760
South	1827

Sample 2	Average
North	1797
South	1803

Manufacturer: VIPER - V3 Step
Part Number
Submission Date: 2025
Approval Date: 2026

Sample 1	Average
North	1973
South	1783

Sample 2	Average
North	1984
South	1768

Manufacturer: WIZZARD
Part Number MHP61
Submission Date: 2011
Approval Date: 2012

Sample 1	Average
North	1673
South	N/A

Sample 2	Average
North	N/A
South	1590

Manufacturer: WIZZARD
Part Number MHP67
Submission Date: 2013
Approval Date: 2014

Sample 1	Average
North	1983
South	N/A

Sample 2	Average
North	N/A
South	1933

Manufacturer: WIZZARD
Part Number FS71
Submission Date: 2021
Approval Date: 2022

Sample 1	Average
North	1770
South	1780

Sample 2	Average
North	1777
South	1753