

LAMPIRAN

LAMPIRAN 1 HASIL UJI MOTOR STANDAR 110 CC

A. Hasil pengujian 1 motor standar 110 cc

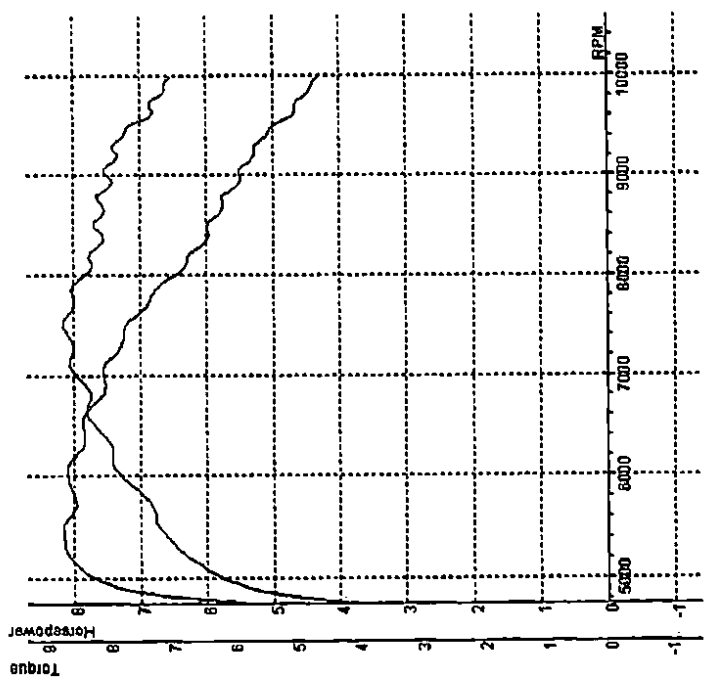
SPORT NO V13
 DPMANAGER: MOTOTECH RD
 ROLLER INERTIA: 1.46

Displacement Correction
 Correction Factor: ISO 1543
 NOTE: Load Cell Backlash

Date/Time: 10/19/2015 9:52:50 AM
 DATA FOR TEST: JUPITER Z 110 T008



TEST NAME: JUPITER Z 110 T008 | MAX POWER: 8.2 (8.3)/7511 | Temp. °C: 29.6 °C | Humidity %: 55% | Pressure: 1000.0 mbar | RPM: 814



RPM	TP (HP)	TP (Nm)	T
4500	4.3	6.44	0.57
4750	4.7	6.59	0.64
5000	5.6	8.23	0.92
5250	6.4	8.68	0.98
5484	6.7	8.72	0.98
5500	6.7	8.71	1.04
5750	6.9	8.23	1.28
6000	7.3	8.65	1.46
6250	7.4	8.41	1.67
6500	7.7	8.35	1.78
6750	7.8	8.15	1.94
7000	8.0	7.91	2.12
7250	8.0	7.70	2.30
7500	8.2	7.51	2.48
7511	8.2	7.51	2.48
7750	8.0	7.32	2.68
8000	7.8	7.15	2.89
8250	7.7	6.98	3.17
8500	7.7	6.83	3.44
8750	7.6	6.69	3.66
9000	7.5	6.56	3.89
9250	7.4	6.44	4.14
9500	7.1	6.32	4.34
9750	6.8	6.24	4.54
10000	6.5	6.17	4.64

Losses: 0.01 HP
 TOTAL ENGINE: 8.17 HP

B. Hasil pengujian 2 motor standar 110 cc

SPORTIVO VAL3
DYNAMOMETER: MOTOTECH RPD
ROLLER INERTIA: 1.46

Displacement Correction
Correction Factor: ISO 1985
NOTE: Load Cell Inboard

Date/Time
10/09/2015 9:55:36 AM

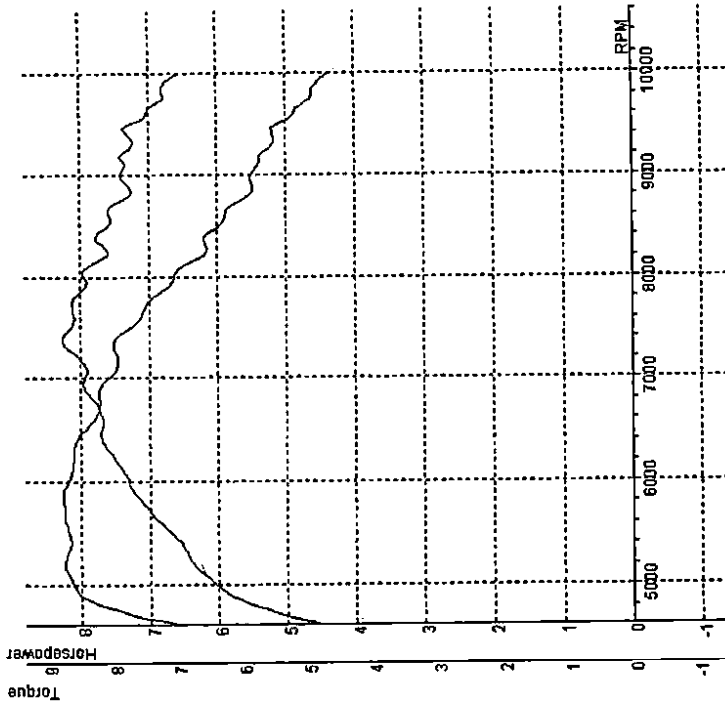
DATA FOR TEST: JUPITER Z 110 T005

RPM	HP (HP)	HP (N·M·S)	T
4500	4.8	7.32	6.32
4750	5.3	7.91	6.58
5000	6.0	8.60	0.74
5250	6.4	8.72	0.90
5500	6.7	8.68	1.06
5750	7.1	8.74	1.20
6000	7.2	8.76	1.26
6250	7.3	8.66	1.36
6500	7.6	8.59	1.52
6800	7.7	8.40	1.68
7000	7.8	8.18	1.84
7250	7.9	8.02	2.02
7500	8.2	7.98	2.20
7666	8.3	7.96	2.28
7800	8.1	7.69	2.36
7950	8.1	7.40	2.56
8000	7.9	7.03	2.74
8250	7.6	6.53	2.96
8500	7.6	6.29	3.18
8750	7.3	5.88	3.42
9000	7.4	5.82	3.64
9250	7.3	5.36	3.88
9500	7.2	5.38	4.14
9750	6.8	4.90	4.44

Losses:
TOTAL ENGINE: 0.0 HP
0.0 N·M·S



TEST NAME: JUPITER Z 110 T005
MAX POWER: 5.34 HP
MAX TORQUE: 8.74 N·M
Temp: 29.3 °C
Humidity: 56 %
Pressure: 1000.0 mbars
MMH: 81.5



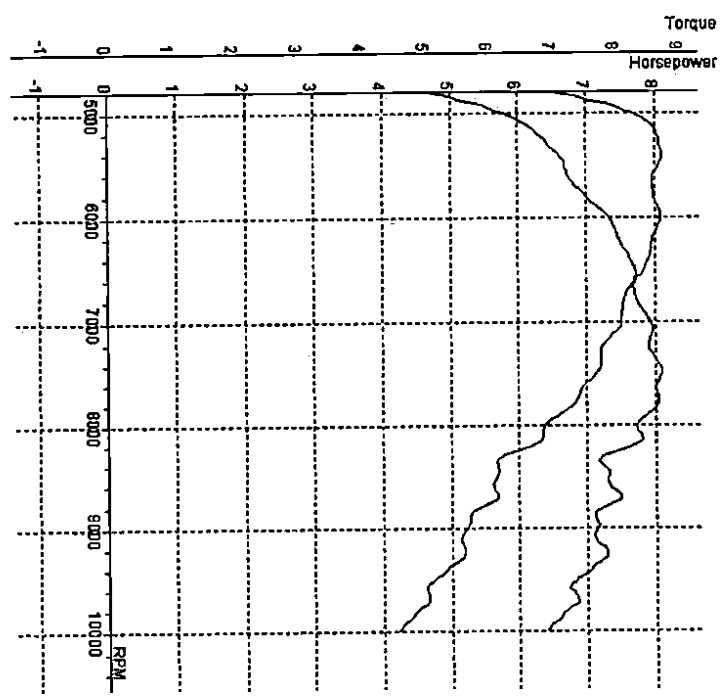


Jl. Muncung
 Bandung
 Telp. 022-2511007

TEST NAME: MAX POWER
 JUPITERZ 110 1007
 R1 (R1) / R12
 MAX TORQUE: 8.17 (8.72) / 5379
 Temp. °C: 20.5 °C
 Humidity %: 55 %
 Pressure: 1000.0 mbar
 KMMI: R1.2

SPORTIVO V3.1
 DYNAMOMETER: MOTOTECH RPD
 ROLLER INERTIA: 1.46
 Displacement Correction
 Correction Factor: ISO 1585
 NOTE: Load Cell Included

DATA FOR TEST: JUPITERZ 110 1007



RPM	HP (kW)	HP (CV)	T
4500	5.0	7.35	0.52
4750	5.2	7.60	0.54
5000	5.8	8.26	0.62
5250	6.4	8.68	0.80
5479	6.6	8.72	0.86
5500	6.7	8.65	0.94
5750	6.9	8.59	1.10
6000	7.4	8.69	1.26
6250	7.5	8.54	1.42
6500	7.7	8.41	1.58
6750	7.7	8.11	1.74
7000	7.9	8.07	1.90
7250	7.9	7.73	2.08
7482	8.1	7.70	2.24
7500	8.1	7.60	2.28
7750	8.1	7.35	2.46
8000	7.7	6.84	2.64
8250	7.4	6.35	2.86
8500	7.3	6.07	3.10
8750	7.4	5.99	3.32
9000	7.1	5.60	3.58
9250	7.3	5.56	3.82
9500	6.8	5.08	4.08
9750	6.7	4.88	4.38

LOSSES: 0.017
 TOTAL ENGINE: 8.72

C. Hasil Pengujian 3 motor standar 110 cc

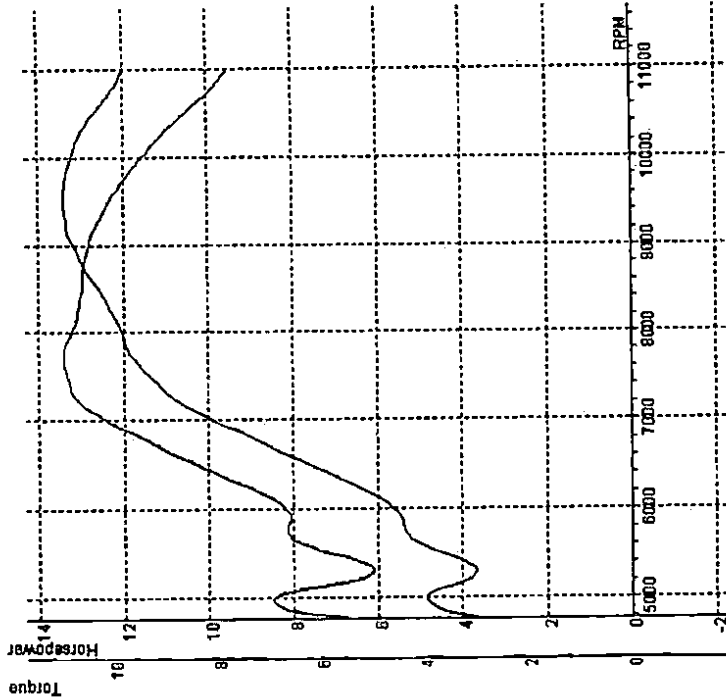
B. Hasil pengujian 2 motor racing 130 cc katup standar

SPORTDYNO V33
 DYNAMOMETER: MOTOTECH RFD
 BOLLER INERTIA: 1.46
 Displacement Correction
 Correction Factor: ISO 1585
 NOTE: Load Cell Included.



TEST NAME: RUP1130-STD-T013 | MAX TORQUE: 10.93 (10.93) / 7688 | Temp. °C: 23.8 °C | Humidity %: 59% | Pressure: 1000.0 mmHg | RPM: 77.1

DATA FOR TEST: JUMI 130 STD T013



PREMIUM	RPM	HP (HP)(Q)(N·M·30)	T
	4500	4.0	5.94
	4750	4.3	6.31
	5000	4.8	6.86
	5250	3.7	4.96
	5500	4.6	5.98
	5750	5.4	6.62
	6000	5.6	6.67
	6250	6.7	7.56
	6500	7.8	8.52
	6750	8.7	9.25
	7000	10.0	10.20
	7250	11.0	10.76
	7500	11.4	10.88
	7683	11.8	10.93
	7750	11.9	10.94
	8000	12.1	10.94
	8250	12.3	10.94
	8500	12.6	10.96
	8750	13.0	10.92
	9000	13.2	10.42
	9250	13.4	10.23
	9500	13.4	10.01
	9536	13.4	10.01
	9750	13.4	9.72
	10000	13.2	9.34
	10250	13.0	9.03
	10500	12.6	8.51
	10750	12.2	8.06

LOSSES: 0.0N·M/3M
 TOTAL ENGINE: 13.4HP
 0.0N·M/3M
 10.90N·M/3M

C. Hasil pengujian 3 motor racing 130 cc katup standar

SPORTINO VLS
 DYNAMOMETER: MOTOTECH RFD
 ROLLER INERTIA: 1.446

Displacement Correction
 Correction Factor: NSO JHS
 NOTE: Load Cell Included

Date/Time
 7/8/2015 10:59:33 AM

DATA FOR TEST: RUP1 130 STD TD15

Comments:
 FREQUENT

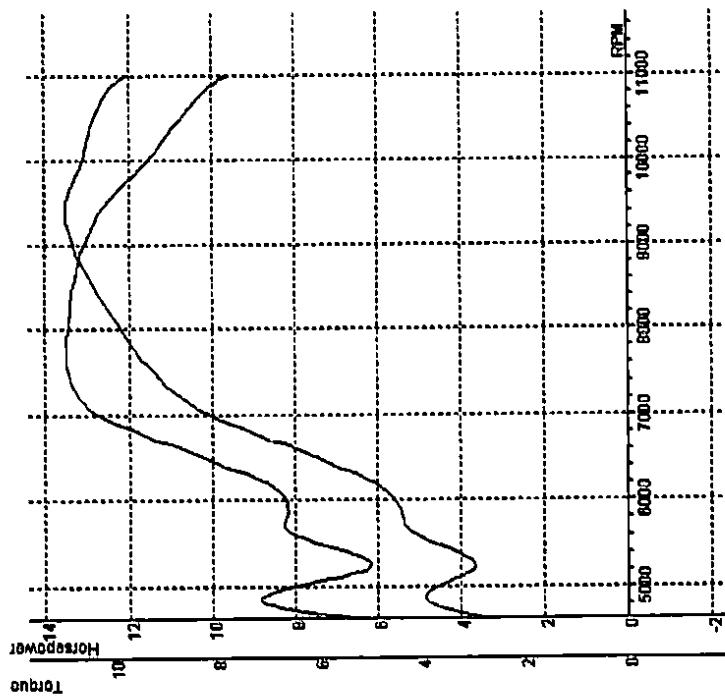
RPM	HP (MEQ) (N·M/CM)	T
4500	3.9	0.93
4750	4.6	0.93
5000	4.4	0.76
5250	3.7	0.84
5500	4.7	1.06
5750	5.4	1.24
6000	5.6	1.38
6250	6.5	1.50
6500	7.7	1.60
6750	8.9	1.68
7000	10.2	1.78
7250	10.9	1.86
7500	11.5	1.96
7687	11.8	2.02
7750	11.8	2.04
8000	12.2	2.14
8250	12.6	2.24
8500	12.8	2.32
8750	13.1	2.42
9000	13.4	2.52
9250	13.5	2.62
9374	13.5	2.66
9500	13.5	2.72
9750	13.3	2.82
10000	13.1	2.94
10250	13.0	3.06
10500	12.8	3.18
10750	12.6	3.30
11000	12.0	3.44

LOSSES: 0.00HP
 TOTAL ENGINE: 13.3HP

0.00N·M/CM
 10.00N·M/CM



TEST NAME: JUP1 D0STD TD15
 MAX TORQUE: 10.92 (10.92) / 7687
 Temp. C: 24.8 C
 MAX POWER: 13.5 (13.5) / 9374
 RPM: 9374
 Pressure: 100610 mbar
 RPM: 77.2



LAMPIRAN 3 HASIL UJI MOTOR RACING 130 CC KATUP RACING

A. Hasil pengujian 1 motor racing 130 cc katup racing

SPORTING VAL
 DYNAMOMETER: MOTOTECH RFD
 ROLLER INERTIA: 1.465
 Displacement Correction
 Correction Factor: NO LOSS
 NOTE: Lead Cell Included

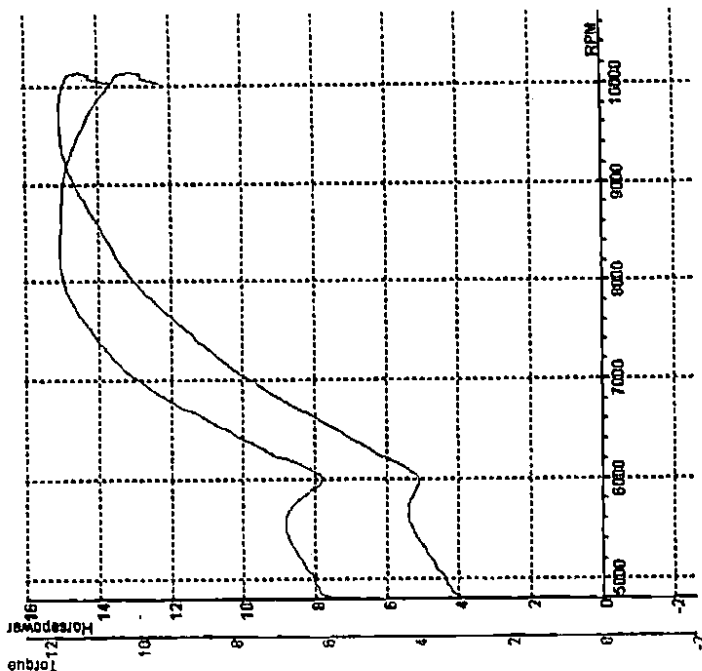
Depdiknas
 Jl. Balaraja Situbona, Kecamatan Situbonawati,
 Kabupaten Situbona, Jawa Timur
 61213 telp. 031 874 343 03



TEST NAME: MAX TORQUE: 1174(1174) N.M
 RUP1 130 T008
 TEST DATE: 15/11/19703
 Temp. C: 30.9
 Humidity %: 59
 Pressure: 1000.0 mm
 RPM: 703
 Deadline: 4/10/2013 11:43:46 AM
 DATA FOR TEST: RUP1 130 T008

Consume	RPM	HP (BHP)	(N·M)	T
BASE	4500	4.1	6.02	0.52
	4750	4.2	6.10	0.54
	5000	4.4	6.24	0.62
	5250	4.9	6.63	0.78
	5500	5.3	6.84	0.92
	5750	5.3	6.58	1.08
	6000	5.1	6.05	1.22
	6250	6.4	7.30	1.36
	6500	7.4	8.11	1.44
	6750	8.7	9.22	1.54
	7000	9.8	10.00	1.62
	7250	10.9	10.60	1.72
	7500	11.6	11.07	1.80
	7750	12.4	11.40	1.88
	8000	13.1	11.65	1.96
	8250	13.6	11.71	2.06
	8500	13.6	11.71	2.06
	8750	13.9	11.67	2.14
	9000	14.3	11.66	2.22
	9250	14.7	11.61	2.32
	9500	14.9	11.49	2.40
	9750	15.1	11.24	2.50
	10000	15.1	11.07	2.54
	10000	15.1	11.00	2.58
	10000	15.0	10.63	2.68

LOSSES: 0.0HP
 TOTAL ENGINE: 15.1HP
 0.0N·M
 11.71N·M



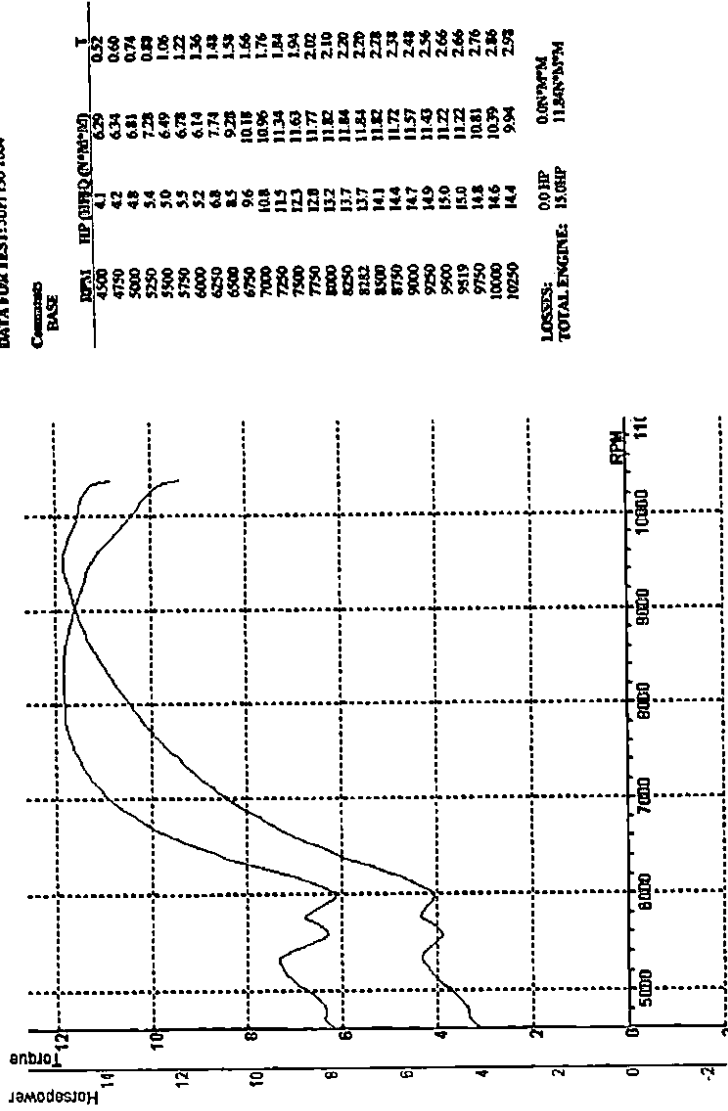
B. Hasil pengujian 2 motor racing 130 cc katup racing

SPEEDING V33
DYNAMOMETER: MOTOTECH RPT
MODEL INERTIA: 1.646
 Displacement Correction
 Correction Factor: ISO 158
 NOTE: Load Cell Feedback

P. Ringroad Station, Mombasa, Pigeonpost,
 Bagamoyo, District, Pigeonpost,
 P.O. Box 222, Zanzibar, Tanzania



TEST NAME: RUP11301004 | **MAX POWER:** 11.84111831 kW | **Temp. °C:** 20.9 °C | **Humidity %:** 59% | **Pressure:** 1000.0 mbar | **KMH:** 74.0
Date/Time: 6/10/2015 11:43:24 AM
DATA FOR TEST: RUP11301004



LOSSES: 0.0 HP
TOTAL ENGINE: 15.0 HP
 0.0 N·m
 11.84 N·m

C. Hasil pengujian 3 motor racing 130 cc katup racing

SPORTING VLS
 DYNAMOMETER, MOTOTECH RFD
 RODA INERTIA: 1.46
 Depdiknas Cirebon
 Correction Factor: ISO 1585
 NOTE: Load Cell Included

Uji Dinamis
 Jl. Hutan Belawan, Kecamatan Belongkaras,
 Kabupaten Majalengka, Jember
 Telp. (031) 741 343-04



TEST NAME: MAX POWER. | MAX TORQUE: 12.73 (12.73) / 8314 | Temp. °C: 30.9 °C | Humidity %: 59 % | Pressure: 1000.0 mmHg | MMH: 72.7
 RUP 130 T006 | Date/Time: 6/10/2013 12:02:14 PM

DATA FOR TEST: RUP 130 T006

RPM	HP (UFTO) (N·M/Min)	T
4500	3.8	5.71
4750	3.9	5.86
5000	4.7	6.66
5250	4.7	6.39
5500	4.5	5.87
5750	4.7	5.77
6000	5.8	6.06
6250	7.3	8.36
6500	8.7	9.55
6750	10.3	10.90
7000	11.3	11.59
7250	12.3	12.08
7500	13.0	12.53
7750	13.6	12.64
8000	14.2	12.73
8250	14.6	12.75
8500	15.2	12.67
8750	15.5	12.55
9000	15.6	12.34
9250	15.7	12.07
9500	15.5	11.55
9750	14.9	10.89
10000	12.7	8.98

LOSSES: 0.0 HP
 TOTAL ENGINE: 15.7 HP
 0.0 N·M/Min
 12.73 N·M/Min

