

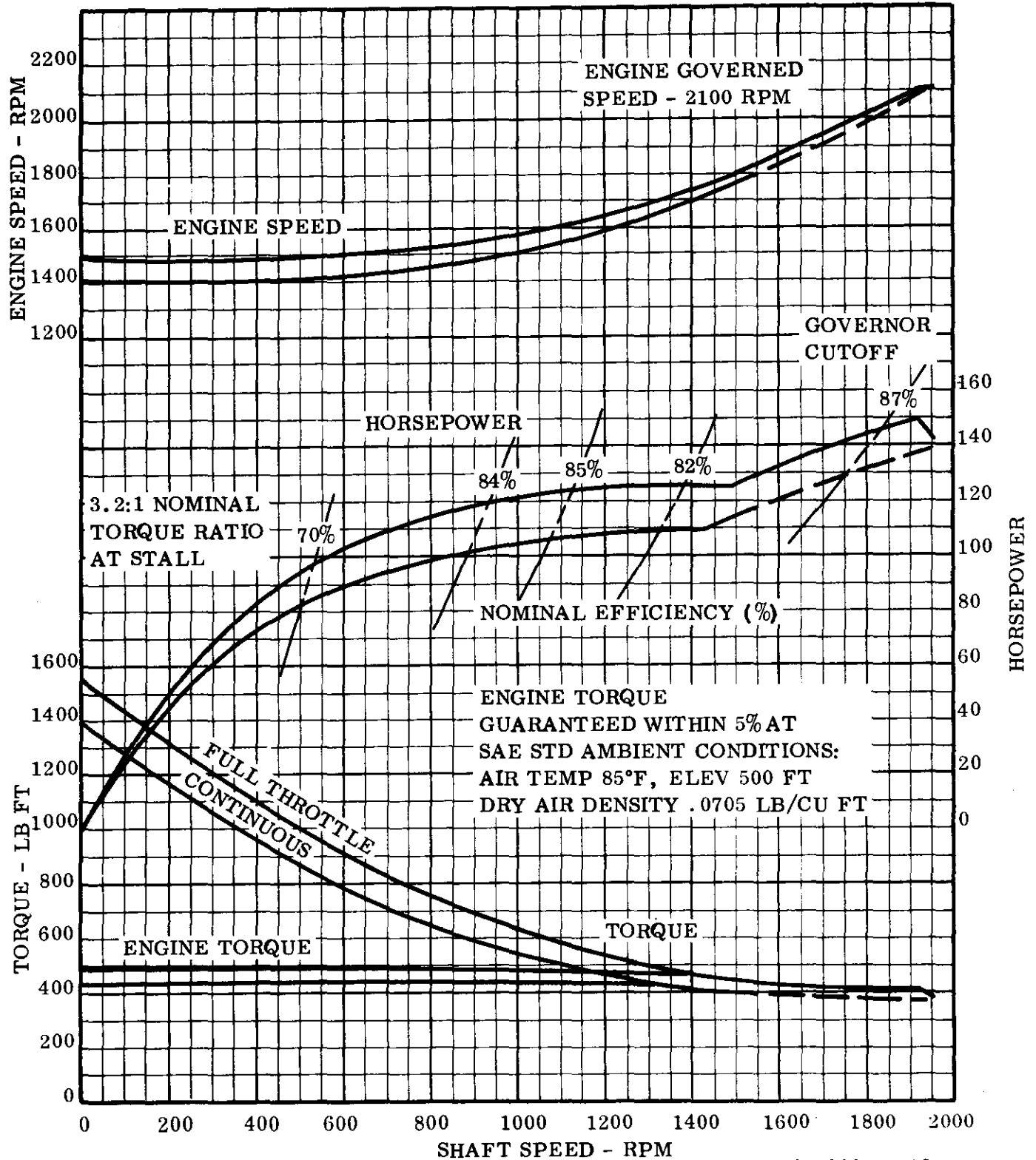


DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 71 TORQUE CONVERTER UNIT
MODEL 6082 WITH STANDARD EQUIPMENT

HV6 INJECTORS
TC-570 CONVERTER



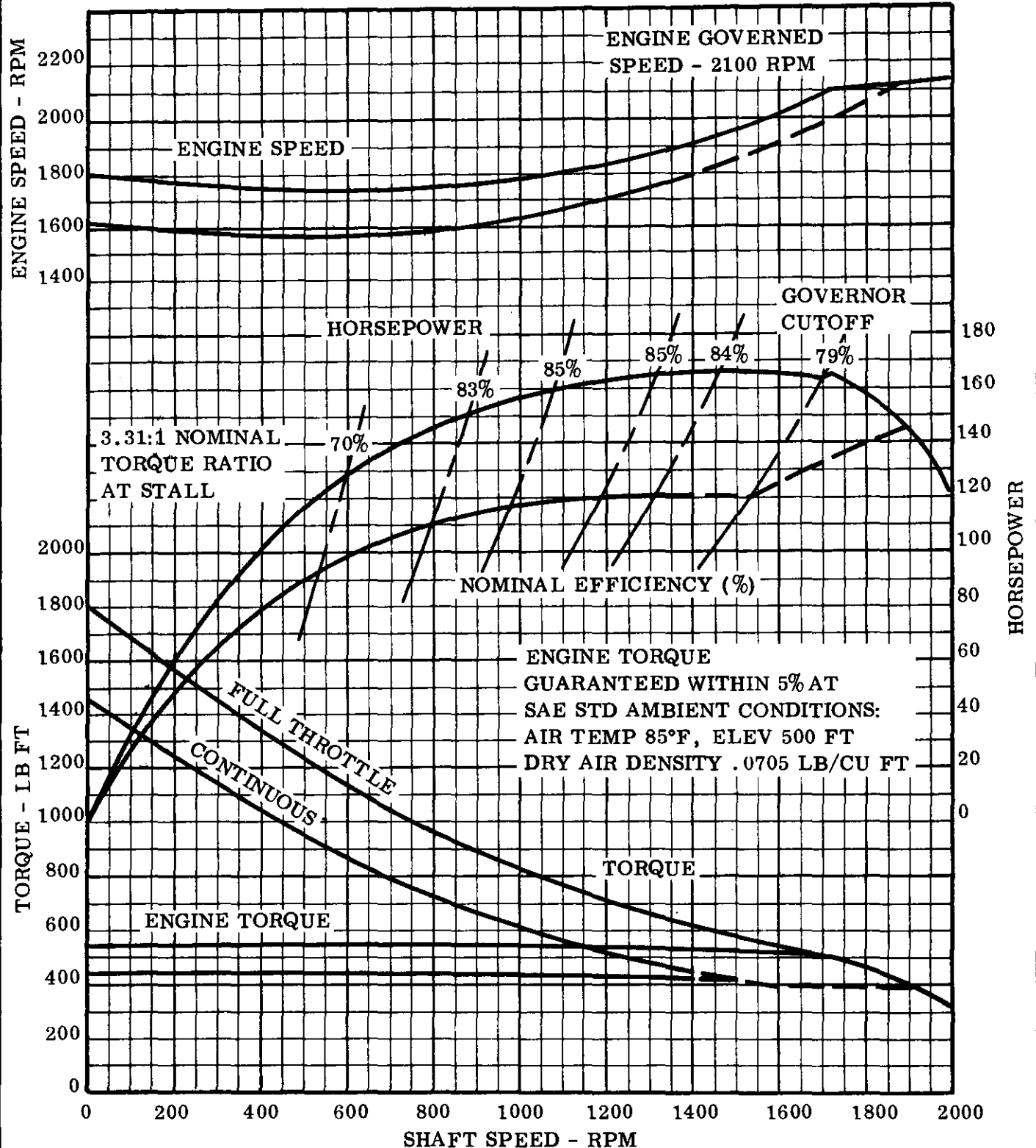


DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 71 TORQUE CONVERTER UNIT
MODELS 6080-6081 WITH STANDARD EQUIPMENT

HV7 INJECTORS
TC-550 CONVERTER





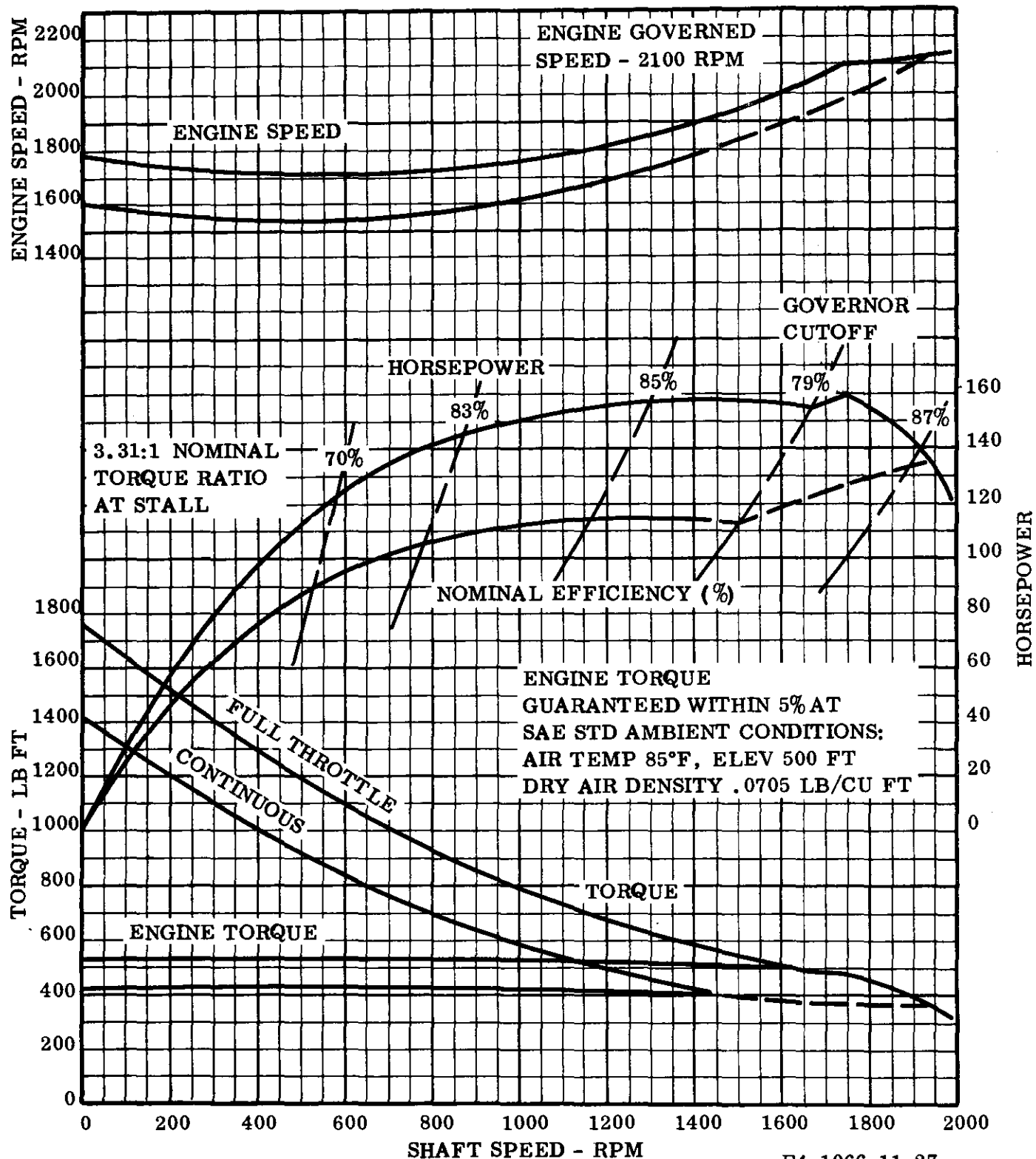
DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 71 TORQUE CONVERTER UNIT
MODEL 6082 WITH STANDARD EQUIPMENT

HV7 INJECTORS

TC-550 CONVERTER

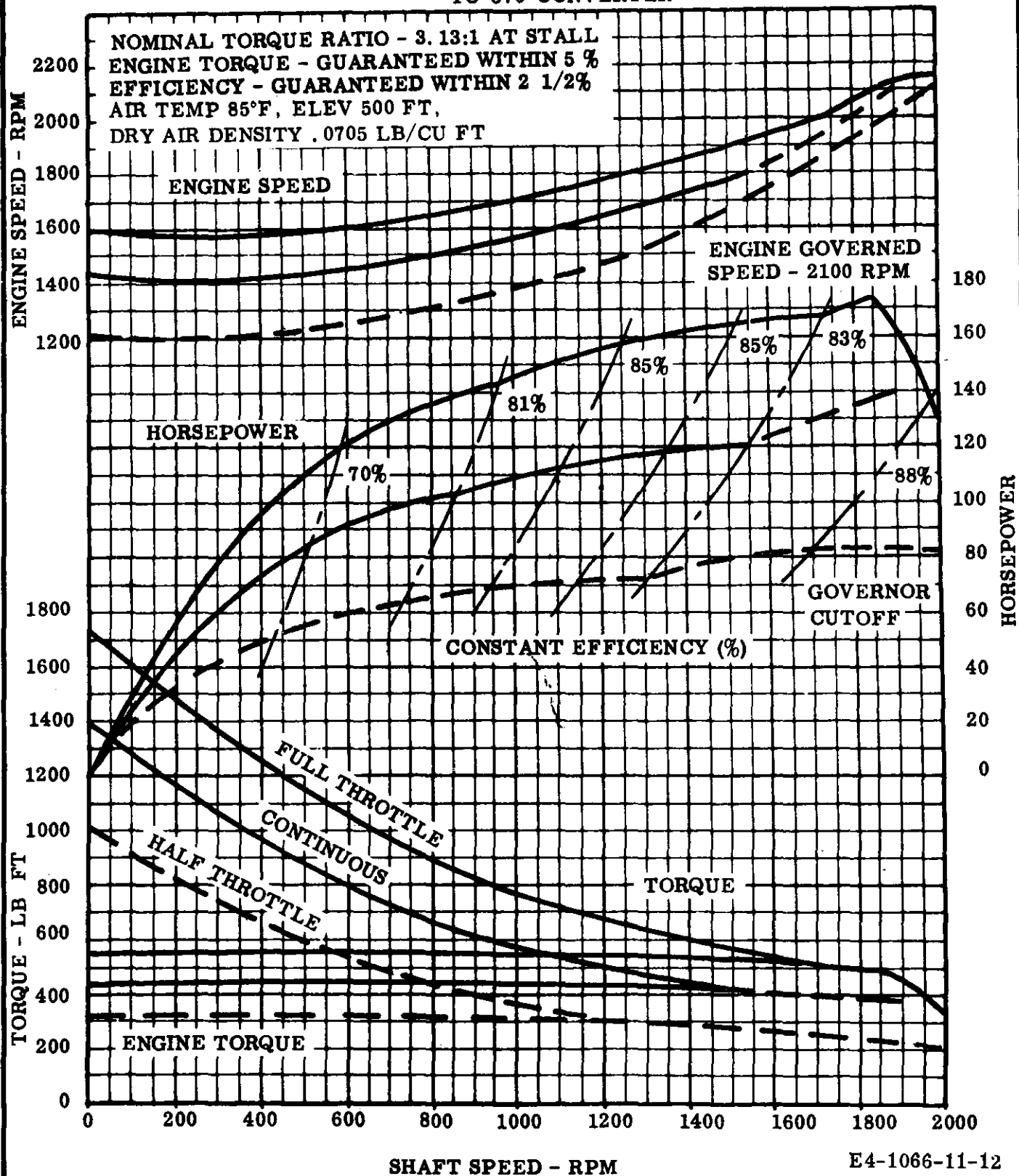




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 71 TORQUE CONVERTER UNIT
MODELS 6080 - 6081 WITH STANDARD EQUIPMENT
HV7 INJECTORS
TC-570 CONVERTER





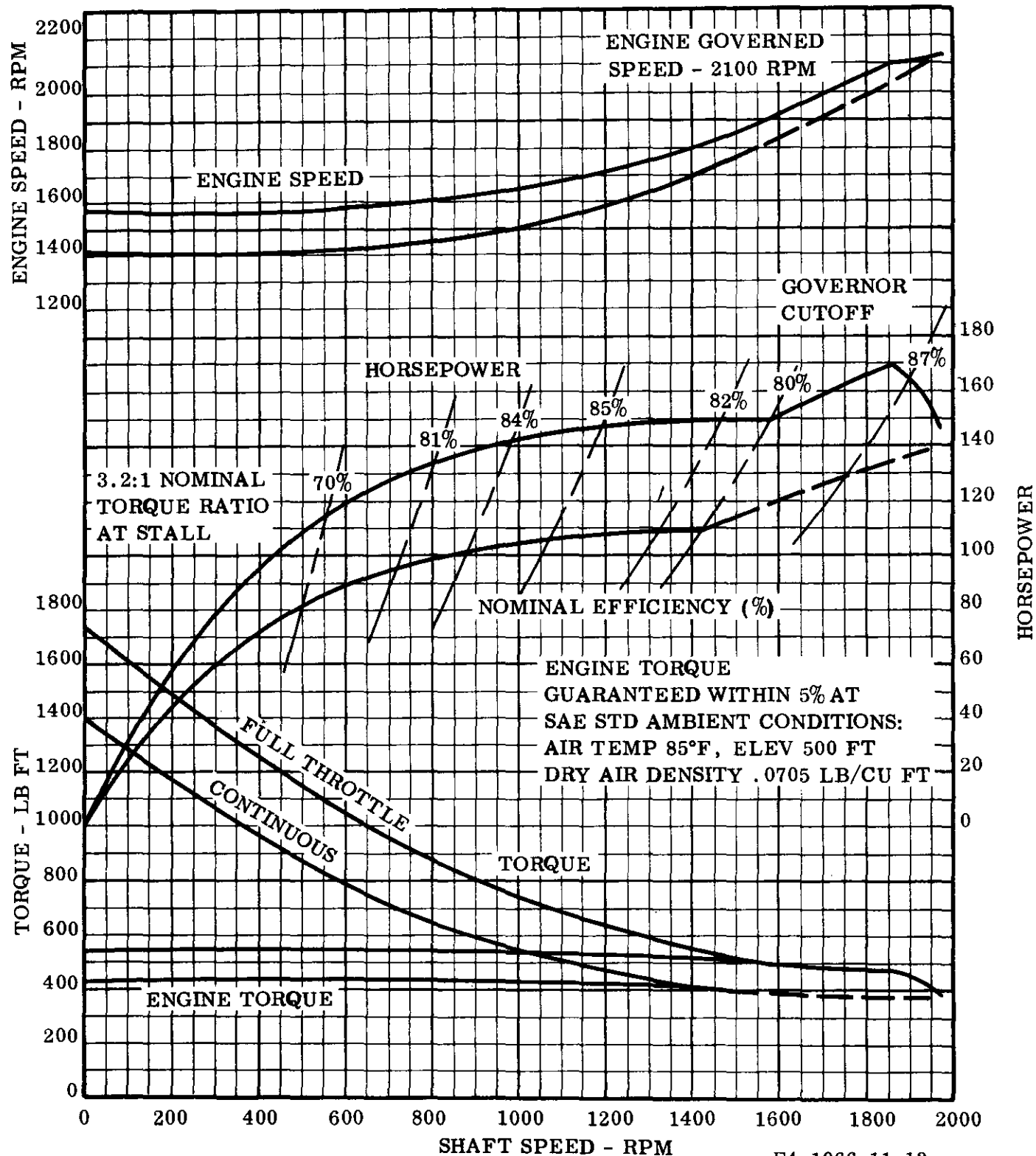
DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 71 TORQUE CONVERTER UNIT
MODEL 6082 WITH STANDARD EQUIPMENT

HV7 INJECTORS

TC-570 CONVERTER



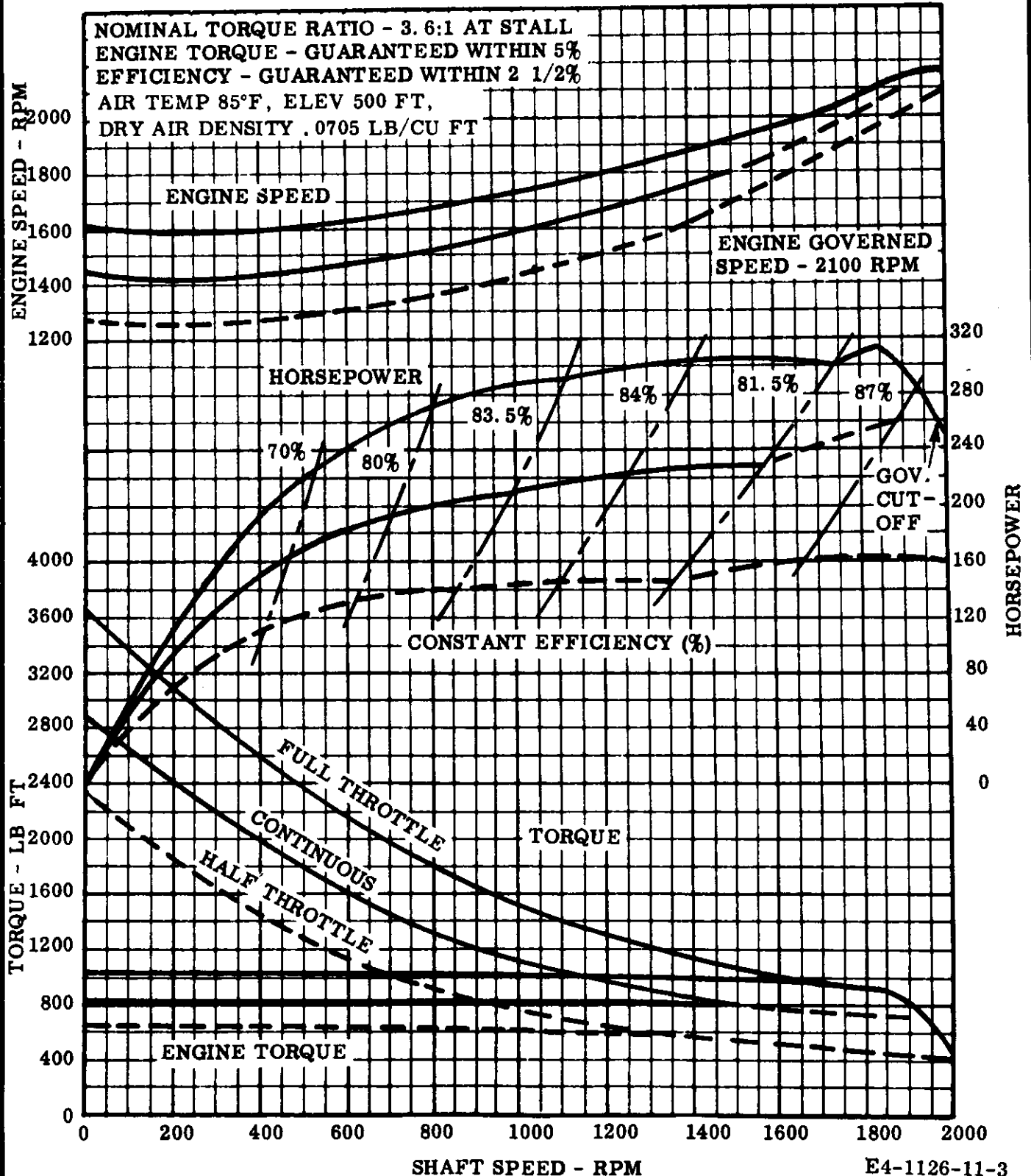


DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 71 TWIN 6-71 TORQUE CONVERTER UNIT
MODEL 12107 WITH STANDARD EQUIPMENT

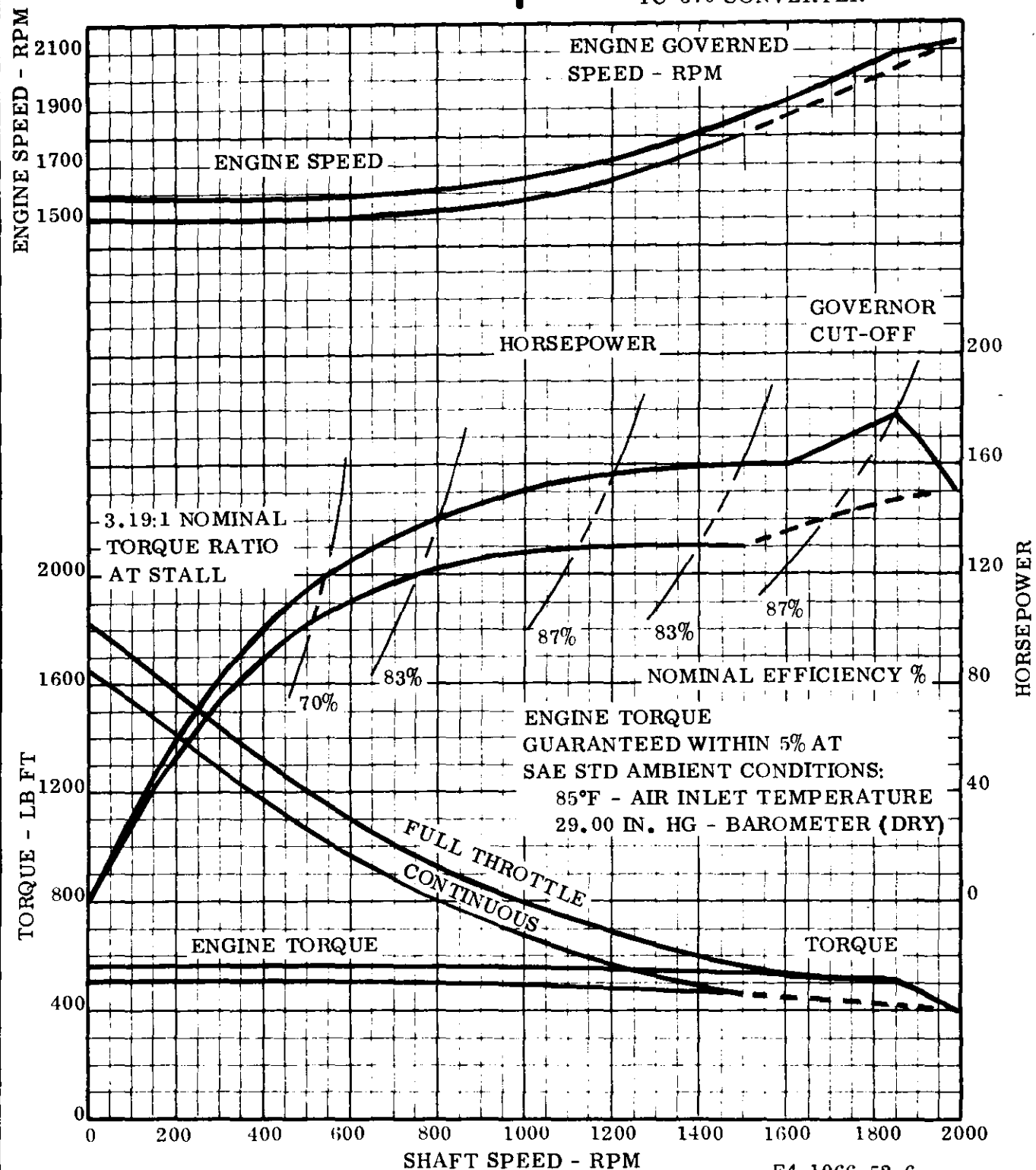
HV7 INJECTORS
CONVERTER TC-950



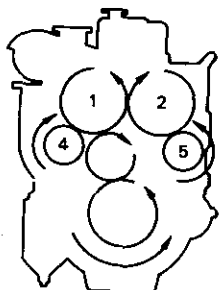
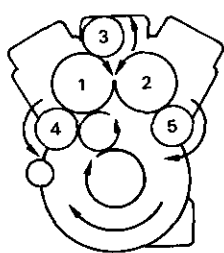
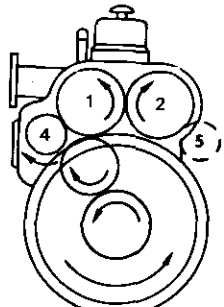
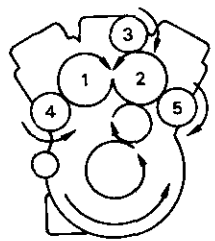


Detroit Diesel Allison
Division of General Motors Corporation

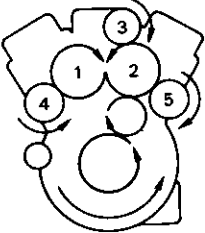
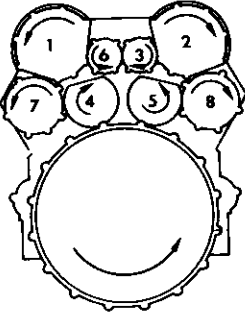
6-71N TORQUE CONVERTER UNIT
WITH STANDARD EQUIPMENT
N65 INJECTORS
ADVANCED CAMSHAFT TIMING
TC-570 CONVERTER



RECOMMENDED ENGINE ACCESSORY DRIVE HORSEPOWER
FROM 1500 RPM TO MAXIMUM GOVERNED SPEED
DIRECT DRIVE ONLY *

Engine	Accessory Drive Position	Drive Ratio	Continuous Horsepower		Intermittent Horsepower	
			At Position	Maximum Accum. All Positions	At Position	Maximum Accumulative All Positions
SERIES 53 3, 4-53 Inline 	1	1:1	10		15	
	2	1:1	10		15	
	4 Blower	2.49:1	-	Total	-	Total
	Gov.	1.98:1	-	Horsepower	-	Horsepower
	5 Blower	2.49:1	-	Allowed	-	Allowed
	Gov. **	1.98:1	-	10	-	15
	Frt. Pulley	-	3 1/2		3 1/2	
	Frt. Crankshaft ***	-	10	10	10	10
6V-53 	1	1:1	10		15	
	2	1:1	10		15	
	3	2.49:1	-	Total	-	Total
	4	1.98:1	-	Horsepower	-	Horsepower
	5	1.98:1	-	Allowed	-	Allowed
	Frt. Pulley **	-	3 1/2	10	3 1/2	15
	Frt. Crankshaft ***	-	10	10	10	10
SERIES 71 3, 4, 6-71 Inline  V-71 	1	1:1	15 ⁺⁺		25 ⁺⁺	
	2	1:1	15 ⁺⁺		25 ⁺⁺	
	4 Blower ⁺	1.95:1 or 2:1	5	Total	5	Total
	5 Blower	1.95:1 or 2:1	5	Horsepower	5	Horsepower
				Allowed		Allowed
				15 ⁺⁺		25 ⁺⁺
	Frt. Crankshaft ***	-	15	15	15	15
	1	1:1	15		25	
	2	1:1	15		25	
	3+	1.95:1, 2:1 or 2.05:1	5	Total	5	Total
	4	2.05:1	5	Horsepower	5	Horsepower
	5	Not a drive position	-	Allowed	-	Allowed
				15		25
	Frt. Pulley **	-	5		5	
	Frt. Crankshaft ***	-	15	15	15	15

**RECOMMENDED ENGINE ACCESSORY DRIVE HORSEPOWER
FROM 1500 RPM TO MAXIMUM GOVERNED SPEED
DIRECT DIRVE ONLY***

Engine	Accessory Drive Positions	Drive Ratio	Continuous Horsepower		Intermittent Horsepower	
			At Position	Maximum Accum. All Positions	At Position	Maximum Accumulative All Positions
SERIES 92 	1	1:1	10	Total Horsepower Allowed 15	25	Total Horsepower Allowed 25
	2	1:1	10		25	
	3 ⁺	2.60:1 or 2.05	5		5	
	4	2.05:1	5		5	
	5	Not a drive position	-		-	
	Frt. Pulley	-	5		5	
	Frt. Crankshaft ***	-	15	15	15	15
SERIES 149 	1	1:1	30	Total Horsepower Allowed 60	50	Total Horsepower Allowed 200
	2	1:1	30		50	
	3 ⁺	2.27:1 or 2.06	5		5	
	4	1:1	30		50	
	5	1:1	30		50	
	6	2.27:1 or 2.06	5	Total Horsepower Allowed 60	5	Total Horsepower Allowed 200
	7	2.25:1	50		200	
	8	2.25:1	50		200	
	Frt. Gear	-	30	30	50	50

Horsepower below 1500 rpm may be obtained from the following formula:

$$\text{HP (new)} = \frac{\text{HP (chart)} \times \text{RPM (new)}}{1500}$$

- * Maximum belt horsepower varies with rpm, pulley diameter and centerline of load, therefore, each application should be independently recommended by the Engineering Dept.
- ** Cam/balance shaft pulley.
- *** Horsepower available for belt driven accessories (excluding cooling fan). Use a torsional drive for greater horsepower. Contact the Engineering Dept., Engine Application Group for drive recommendation. A torsional analysis is required on all torsional crankshaft drives.
- + Blower drive ratio varies depending upon the engine configuration and application.
- ++ Ten (10) continuous horsepower and fifteen (15) intermittent horsepower on 71 (2 valve head) engines and 3-71N (4 valve head) engines.



DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

MAXIMUM ALLOWABLE HORSEPOWER OUTPUT FOR TWIN 6-71 GEAR CASE ACCESSORY SHAFT (KEYED)

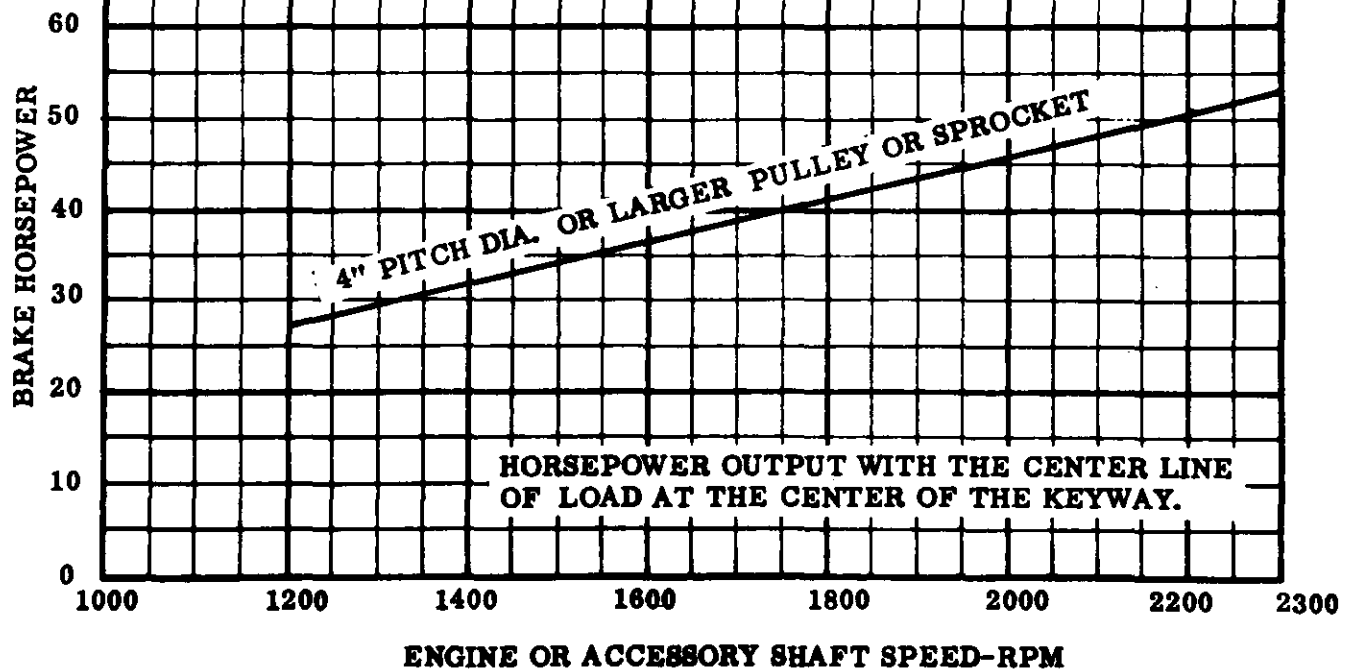
To Convert For Drive & Load Requirements Divide The HP
Shown By The Following Constants (Chain Drive-Steady Load Shown)

	"A"	"B"	"C"
Chains, Single	1.00	1.50	2.50
Chains, Double	1.25	1.90	3.15
"V" Belts	1.50	2.25	3.75
Single Ply Belts	2.00	3.00	5.00
Double Ply Belts	2.50	3.75	6.25
Triple Ply Belts	3.00	4.00	7.50

"A" Gradually Applied or Steady Load

"B" Suddenly Applied Loads-Minor Shock

"C" Suddenly Applied Loads-Heavy Shock

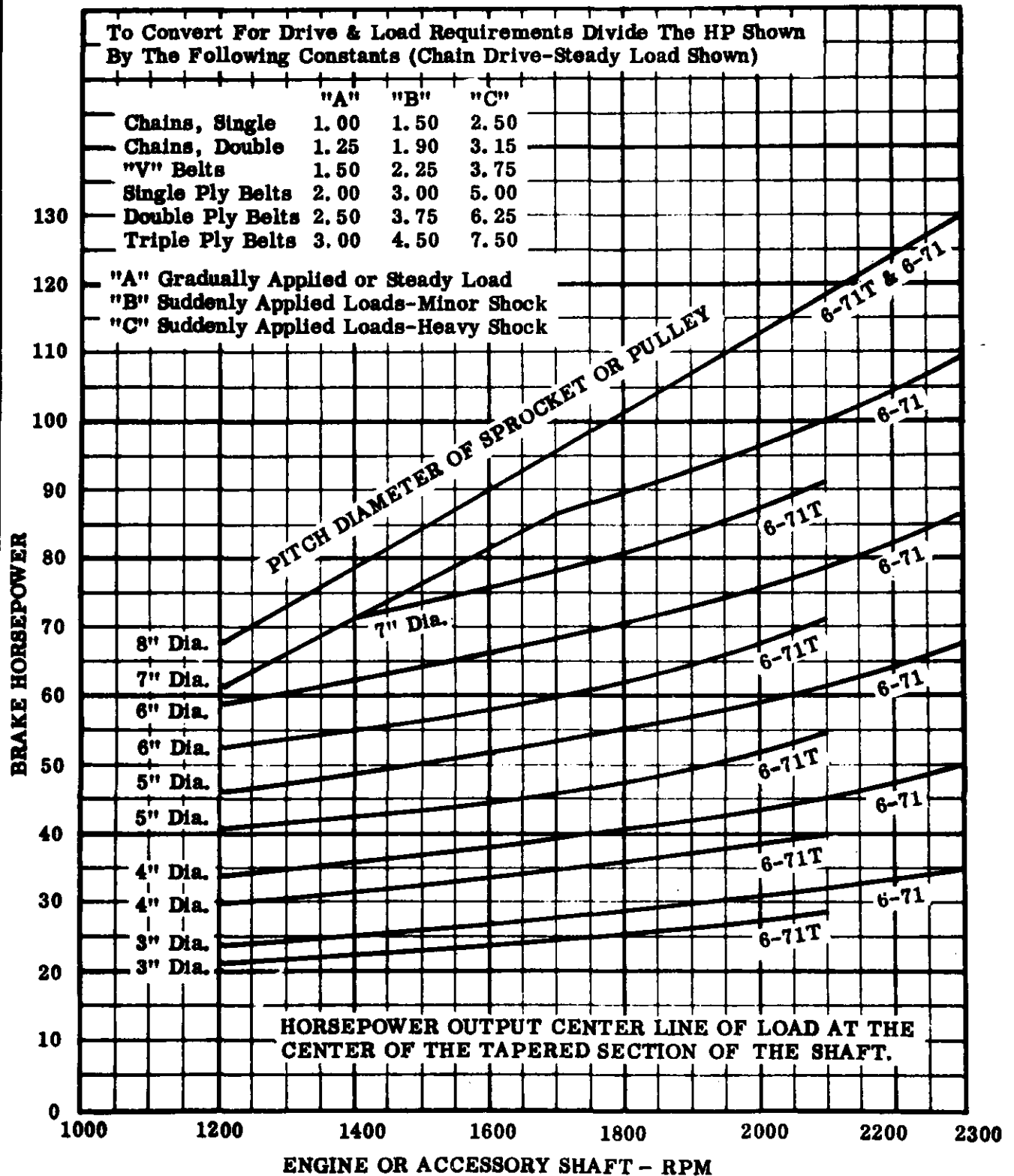




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

MAXIMUM ALLOWABLE HORSEPOWER OUTPUT FOR TWIN 6-71 GEAR CASE ACCESSORY SHAFT (TAPERED)

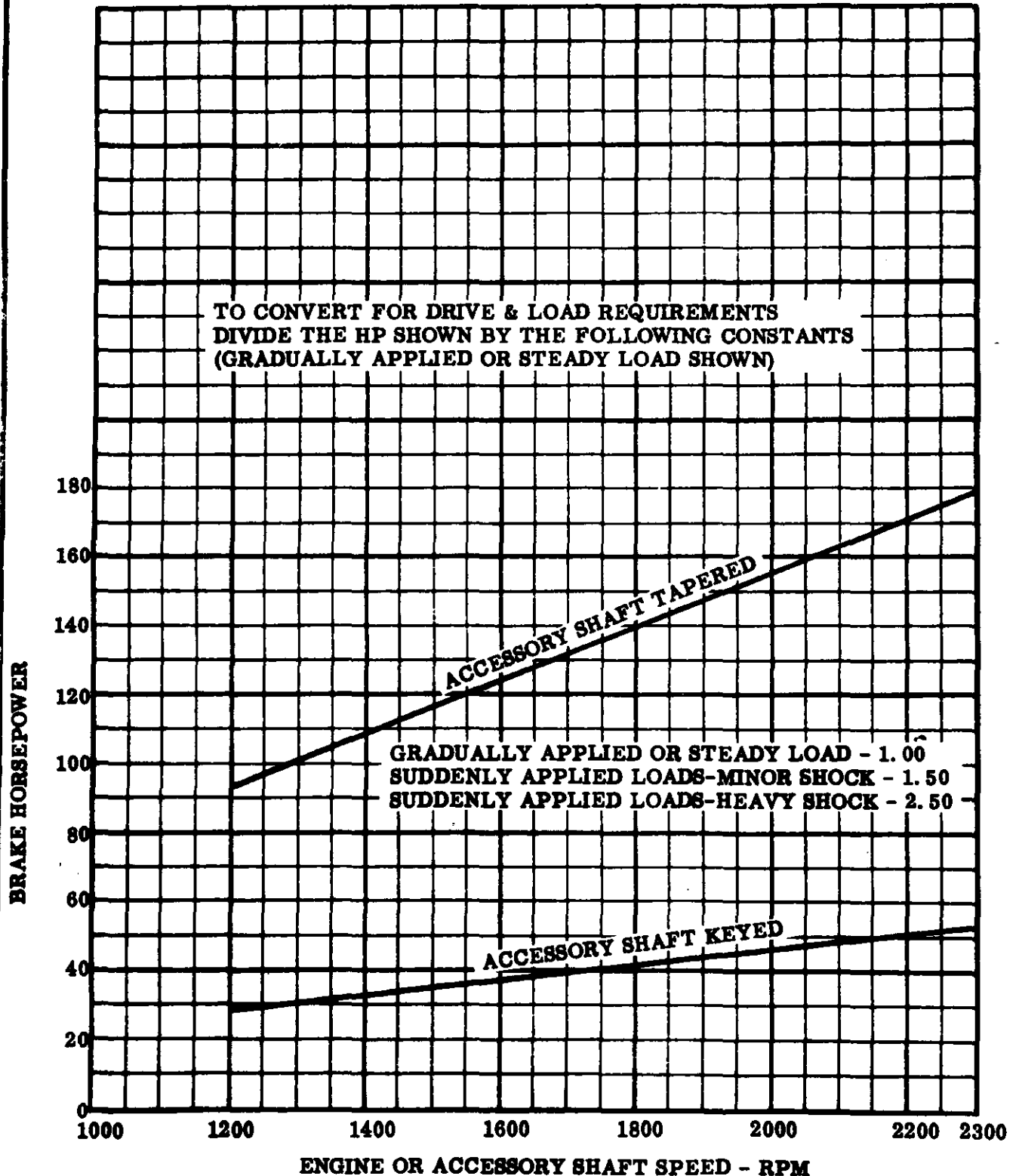




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

MAXIMUM ALLOWABLE HORSEPOWER OUTPUT
FOR TWIN 6-71 GEAR CASE ACCESSORY SHAFT
(DIRECT DRIVE)

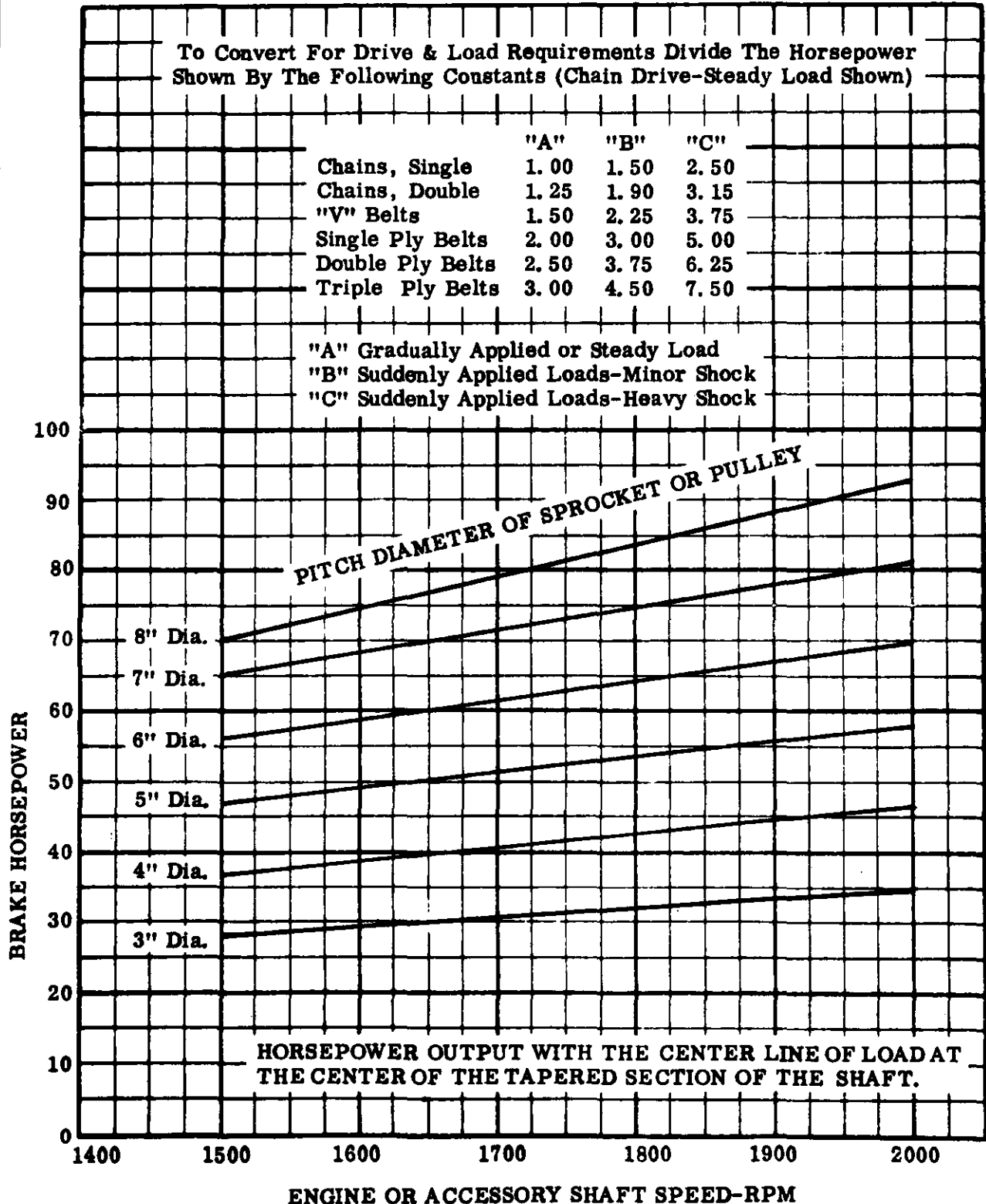




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

MAXIMUM ALLOWABLE HORSEPOWER OUTPUT FOR TWIN 6-110 CHAIN CASE ACCESSORY SHAFT (TAPERED)

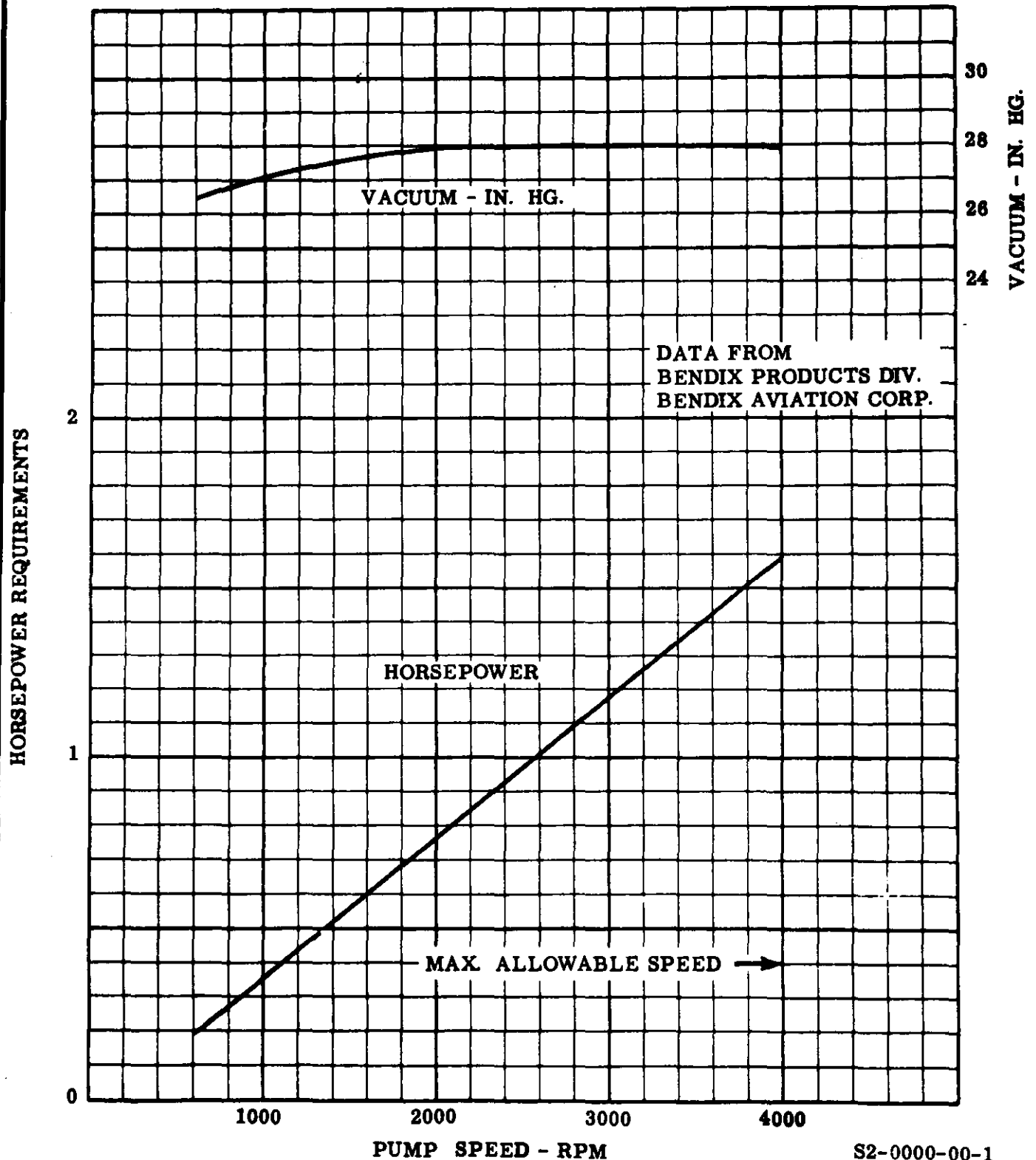




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

BENDIX PRODUCTS DIVISION - VACUUM PUMP PERFORMANCE DATA

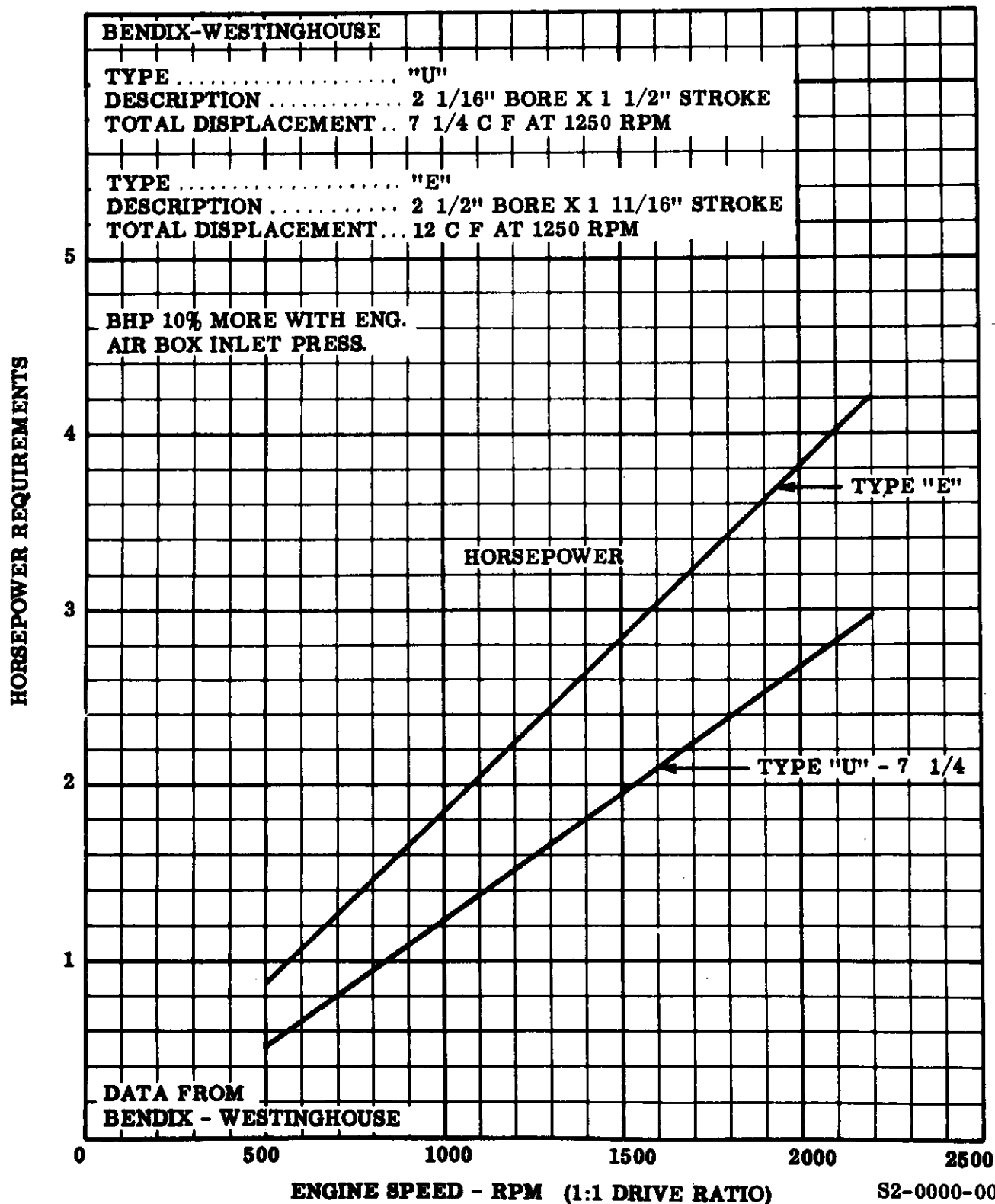




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

2 CYLINDER AIR COMPRESSOR HP REQUIREMENTS 90 PSI DELIVERY PRESSURE

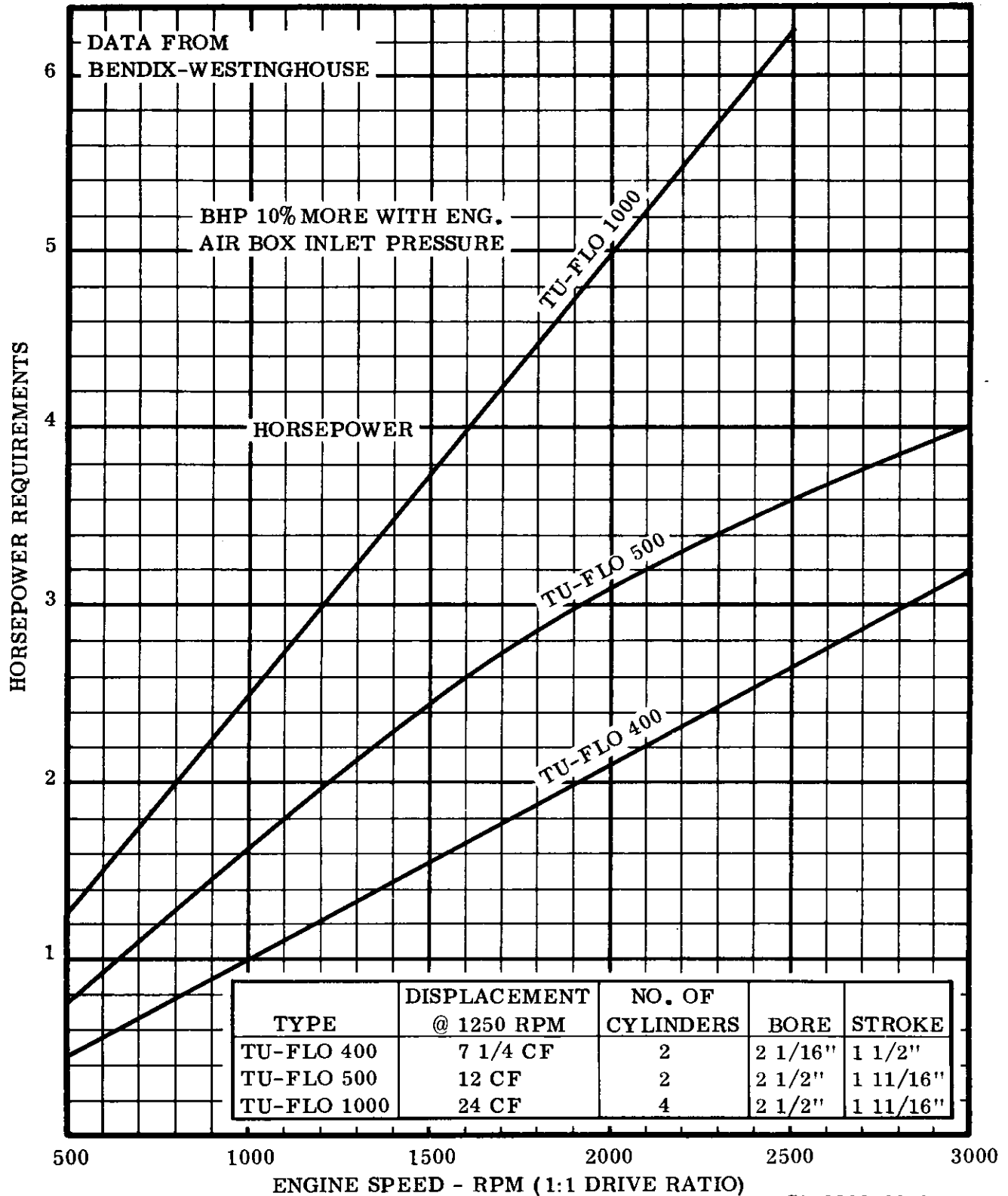




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

BENDIX-WESTINGHOUSE AIR COMPRESSOR HORSEPOWER REQUIREMENTS 100 PSI DELIVERY PRESSURE

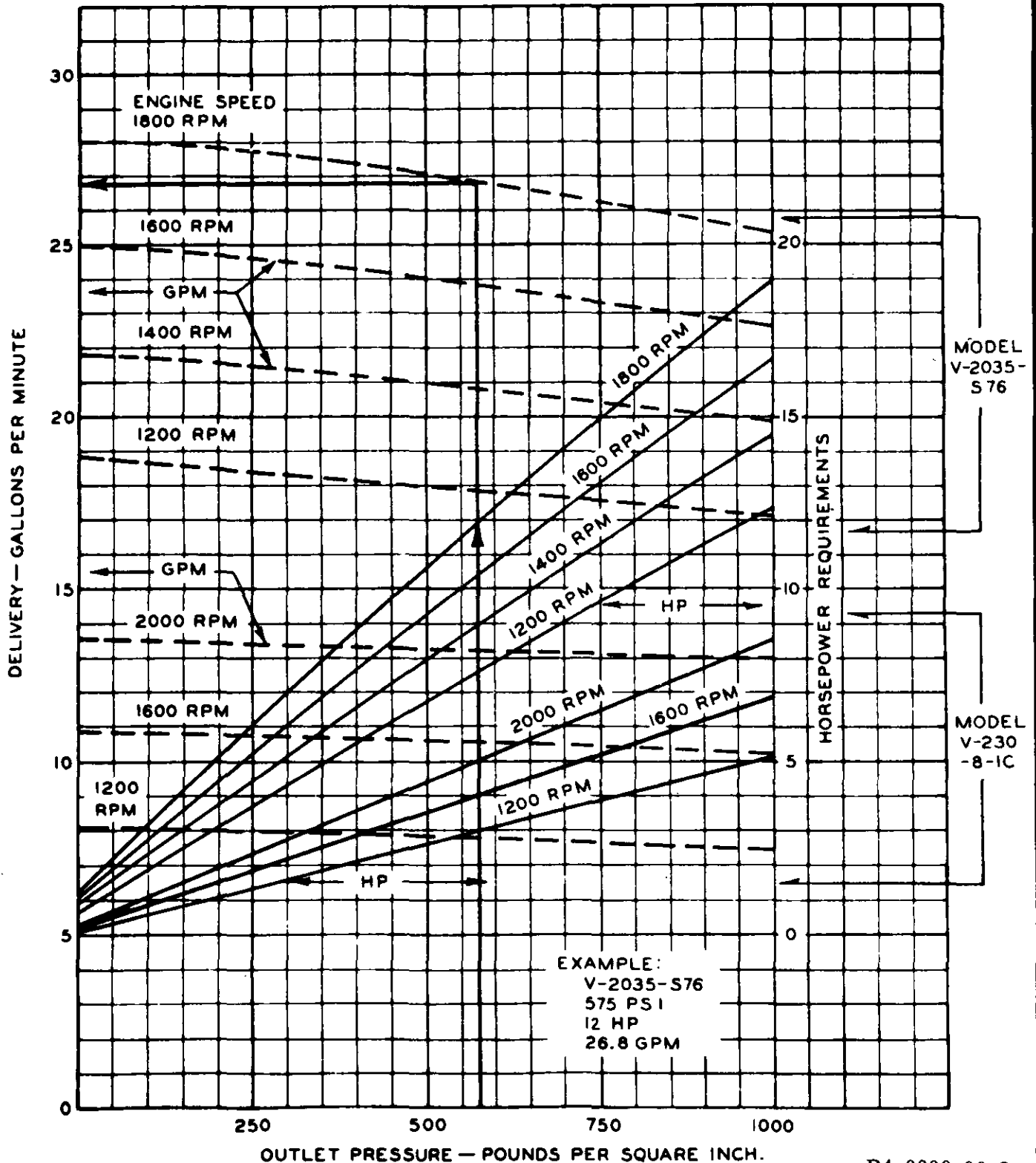




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

PERFORMANCE DATA — VICKERS HYDRAULIC PUMPS

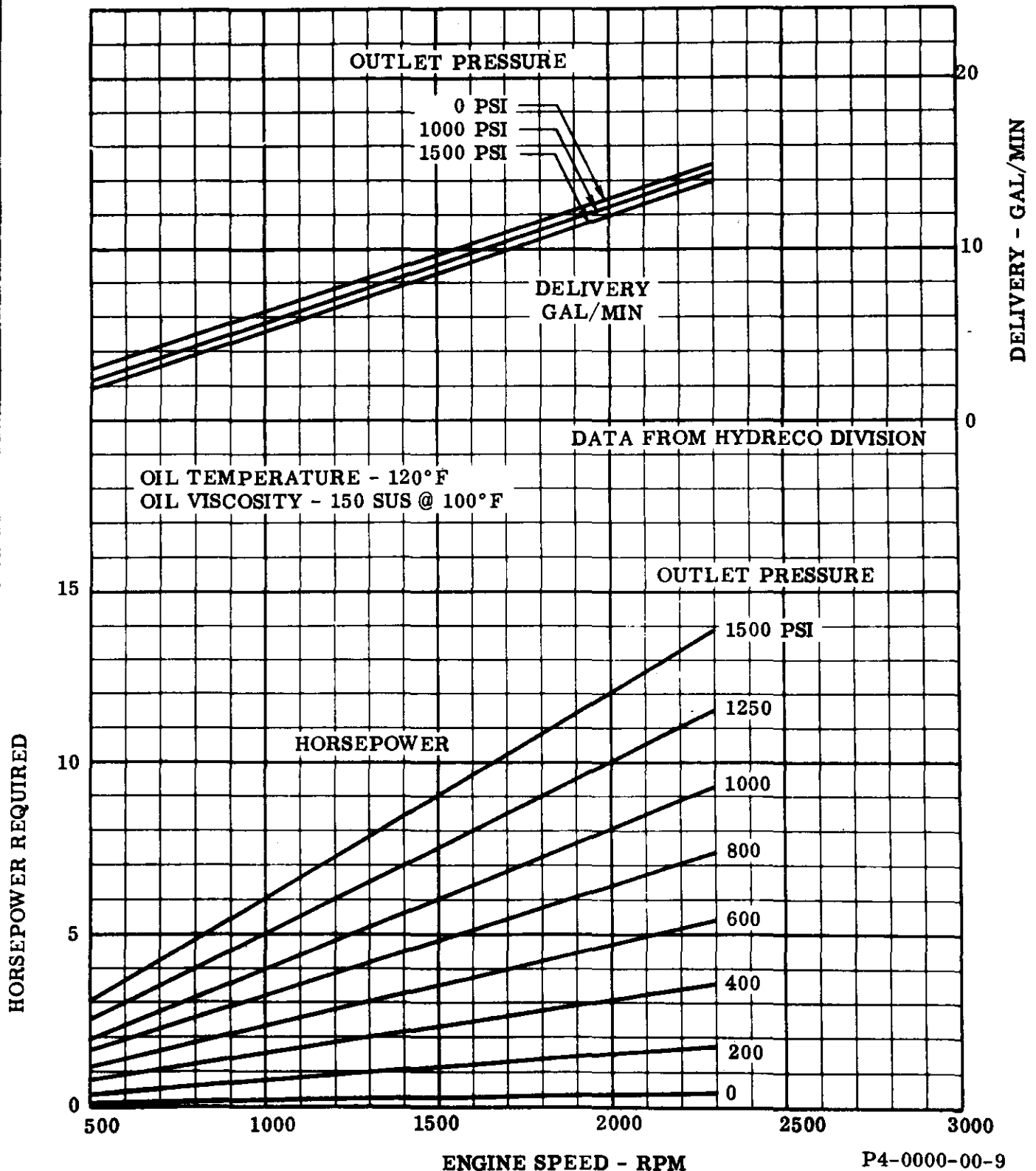




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

HYDRECO PUMP PERFORMANCE HORSEPOWER AND DELIVERY MODEL 1512

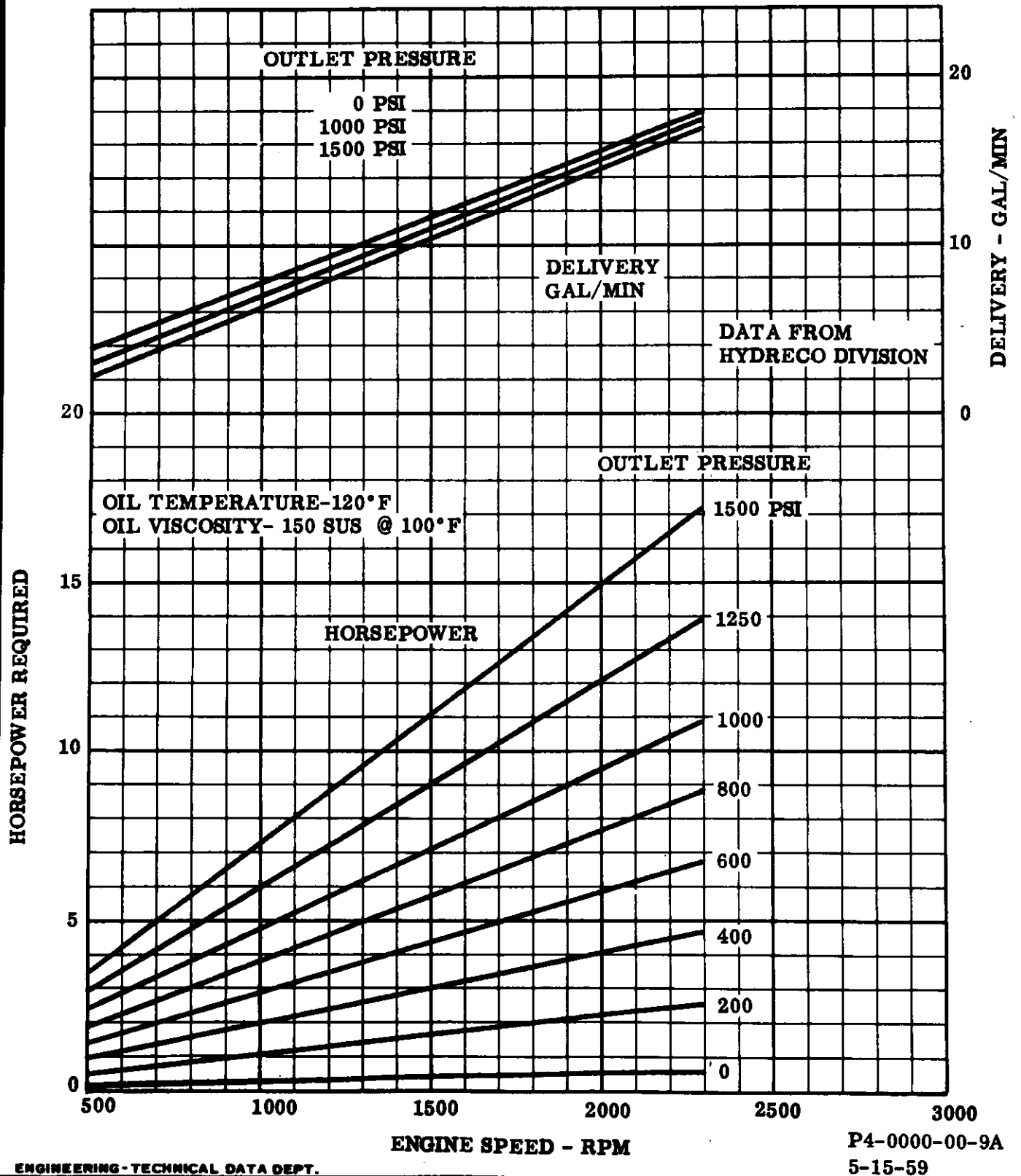




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

HYDRECO PUMP PERFORMANCE HORSEPOWER AND DELIVERY MODEL 1515

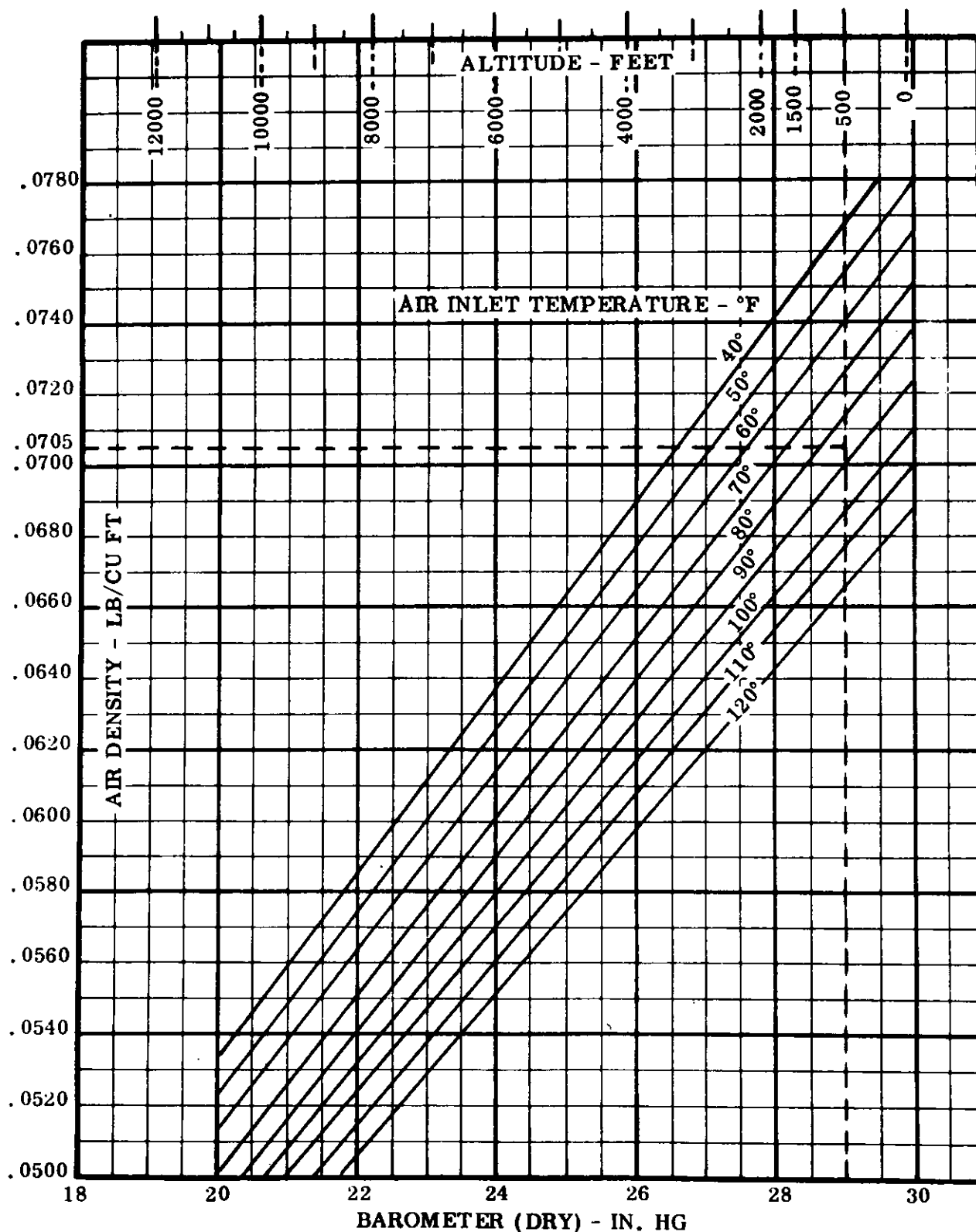




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

VARIATION IN AIR DENSITY WITH BAROMETER AND TEMPERATURE

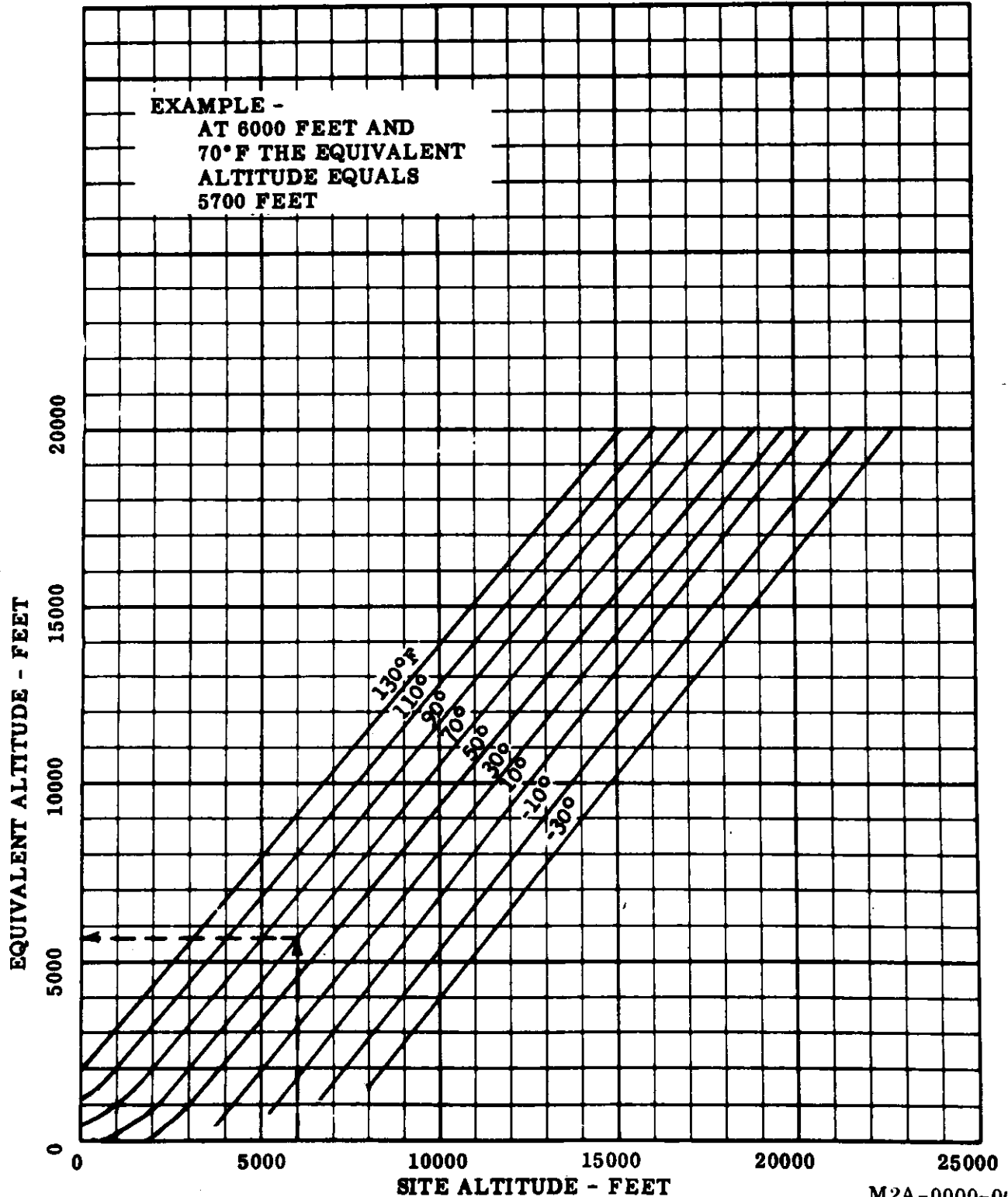




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

EQUIVALENT ALTITUDE CHART

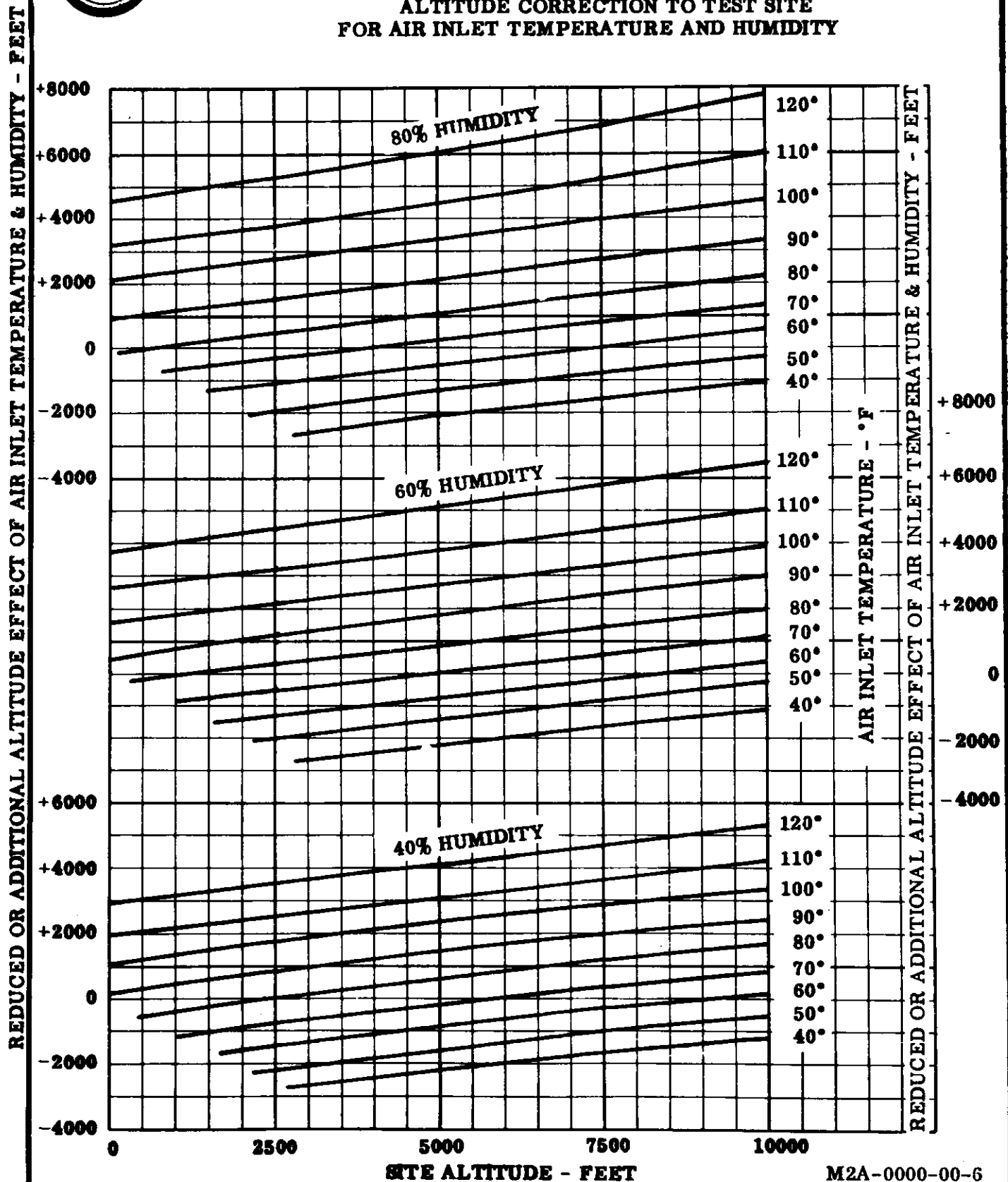




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

ALTITUDE CORRECTION TO TEST SITE FOR AIR INLET TEMPERATURE AND HUMIDITY

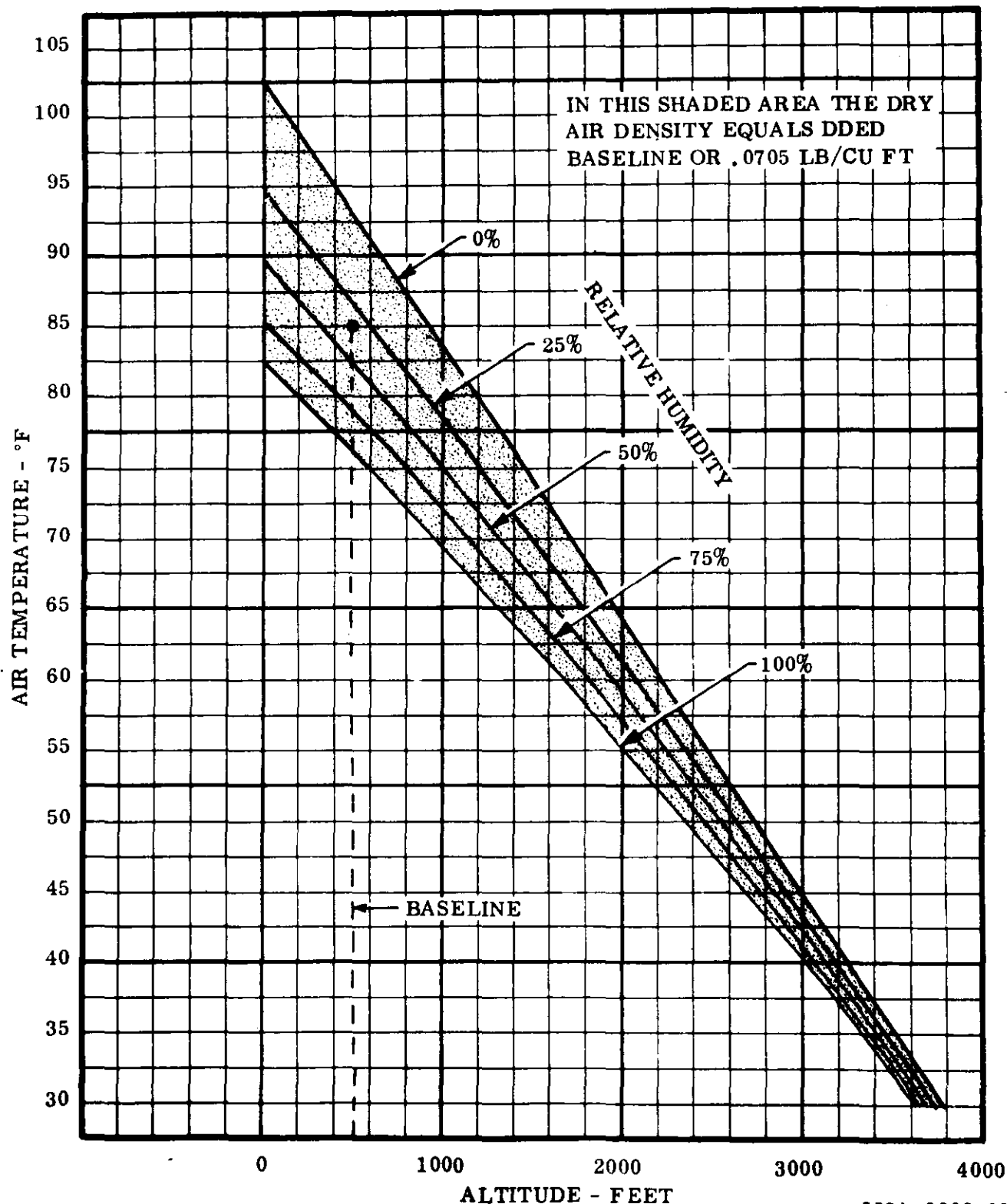




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

ALTITUDE, TEMPERATURE AND RELATIVE HUMIDITY RELATIONSHIP

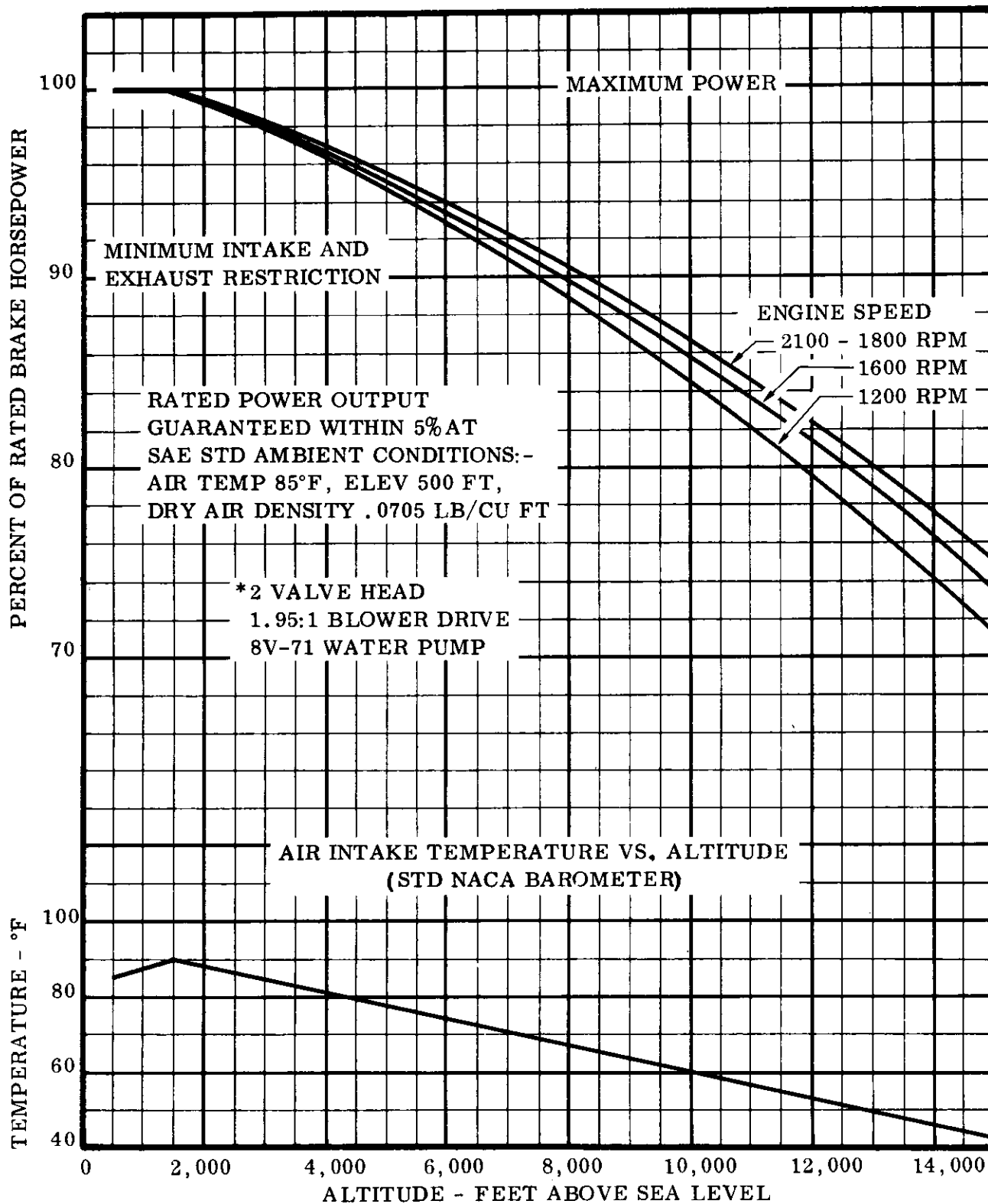




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

12V-71 MODIFIED ENGINE*
ALTITUDE PERFORMANCE
S50 INJECTORS





DETROIT DIESEL ENGINE DIVISION

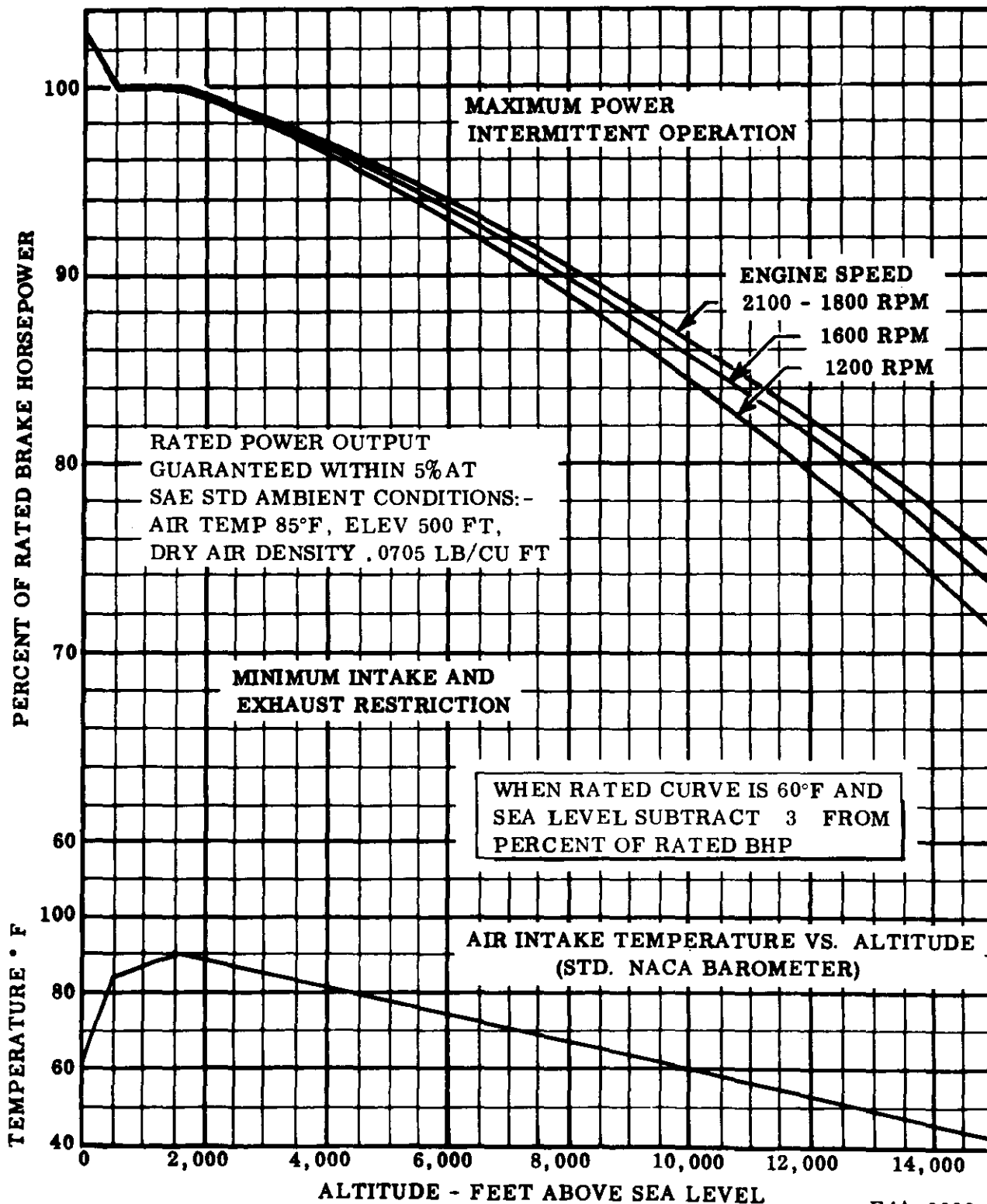
GENERAL MOTORS CORPORATION

SERIES 71E, V71, 71N and V-71N ENGINES

(4 VALVE HEAD)

ALTITUDE PERFORMANCE

S55 and N55 INJECTORS





DETROIT DIESEL ENGINE DIVISION

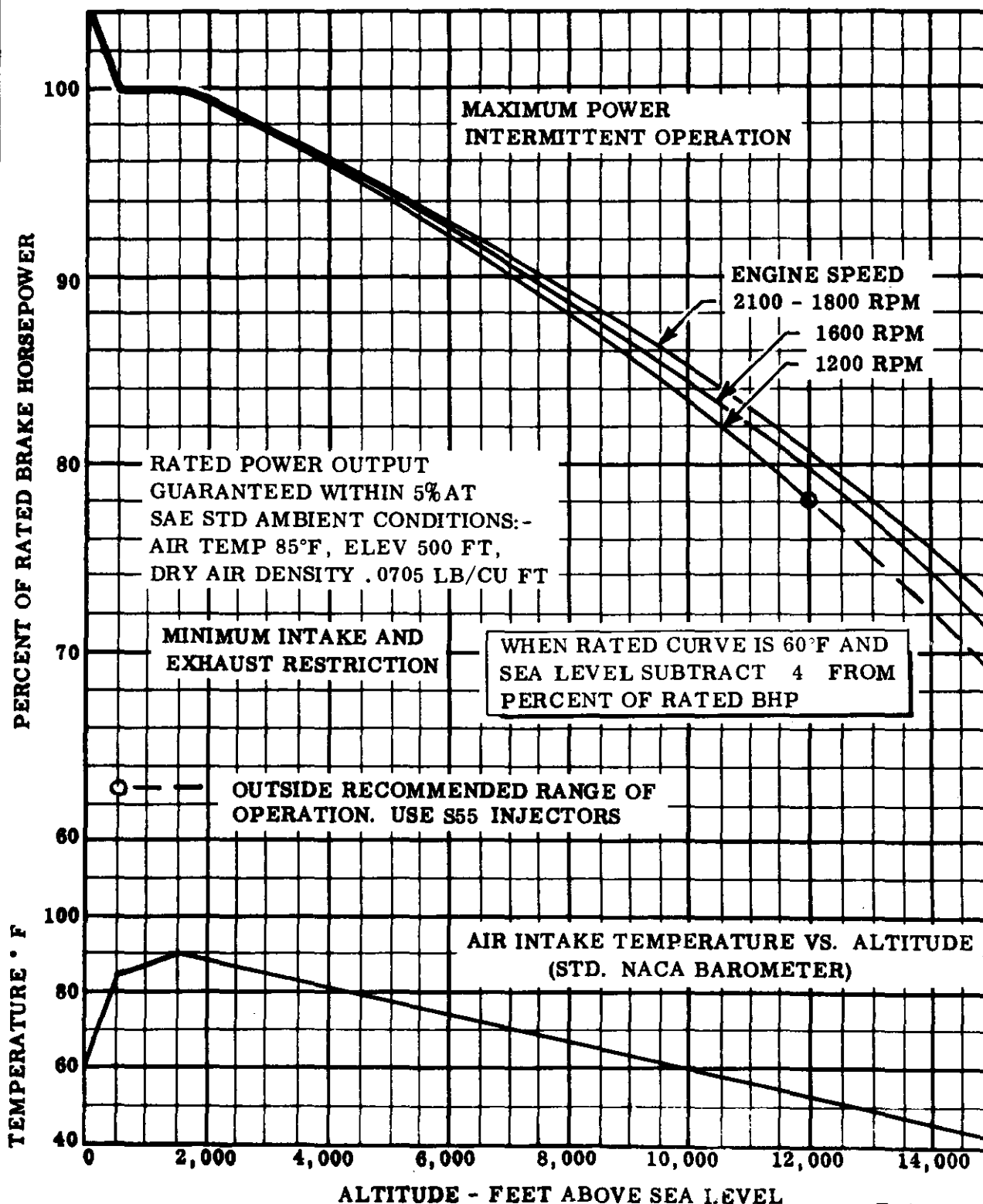
GENERAL MOTORS CORPORATION

SERIES 71E, V-71, 71N and V-71N ENGINES

(4 VALVE HEAD)

ALTITUDE PERFORMANCE

S60 and N60 INJECTORS

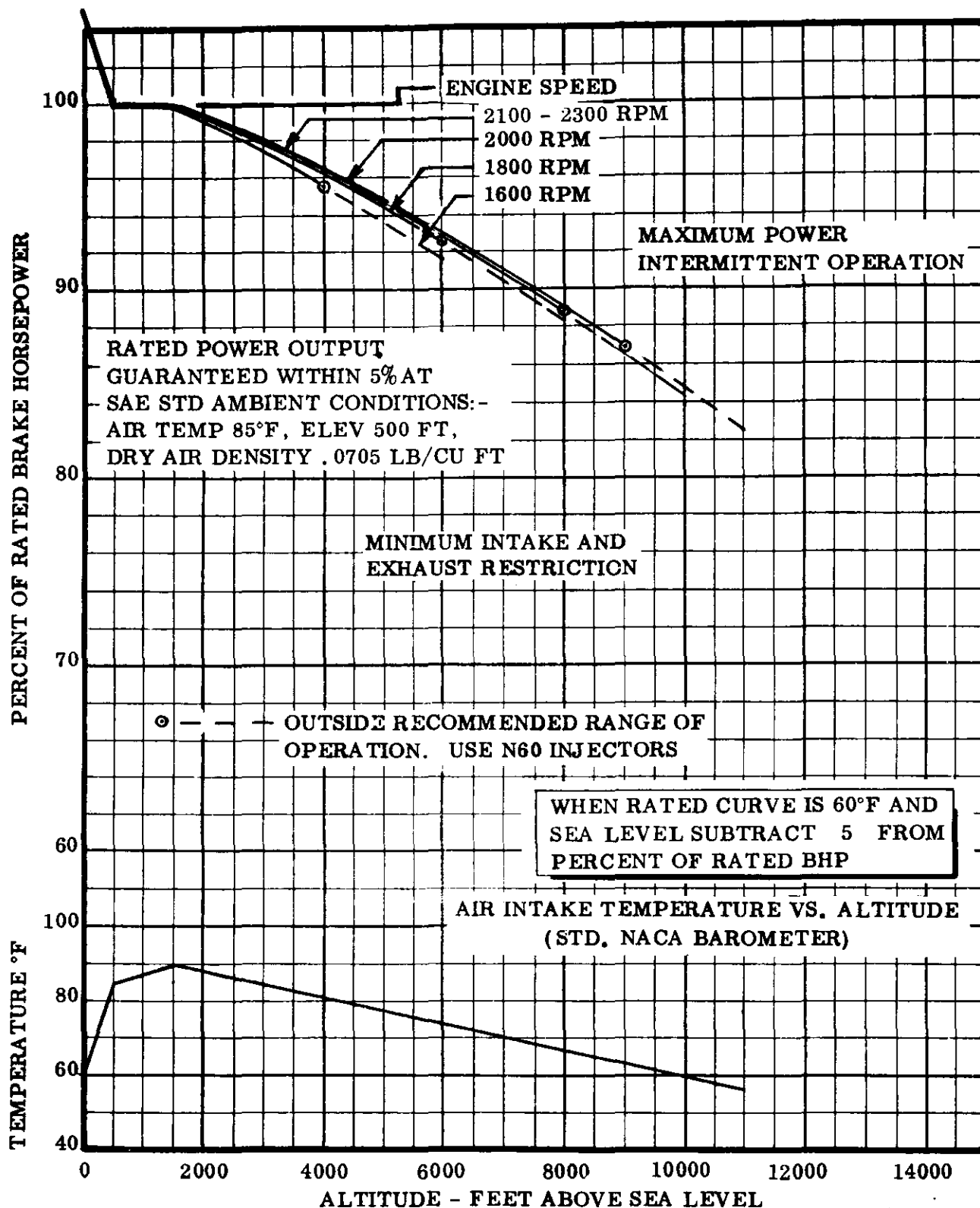




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 71N and V-71N ENGINES
ALTITUDE PERFORMANCE
N65 INJECTORS

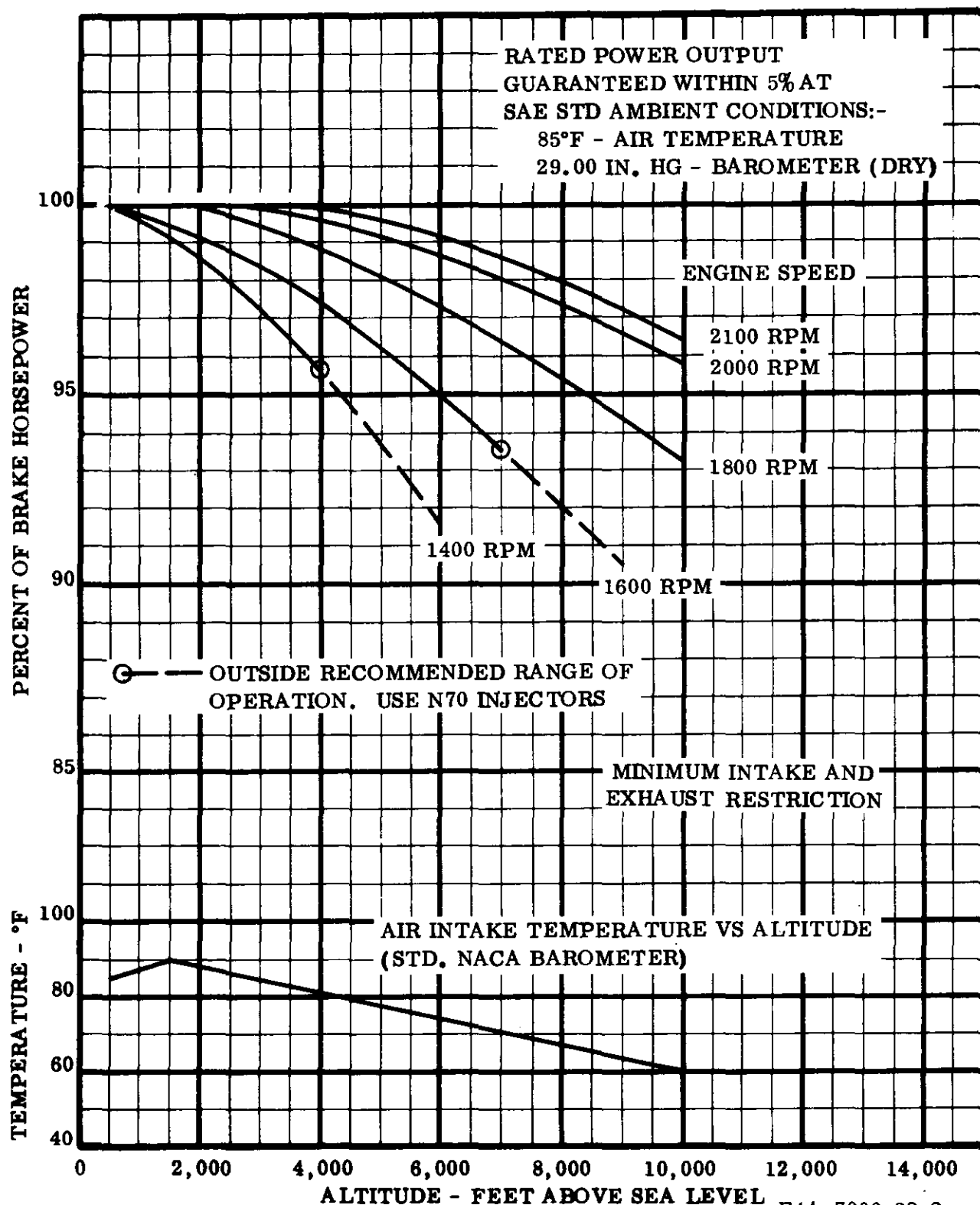




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES V71TV ENGINES ALTITUDE PERFORMANCE N75 INJECTORS

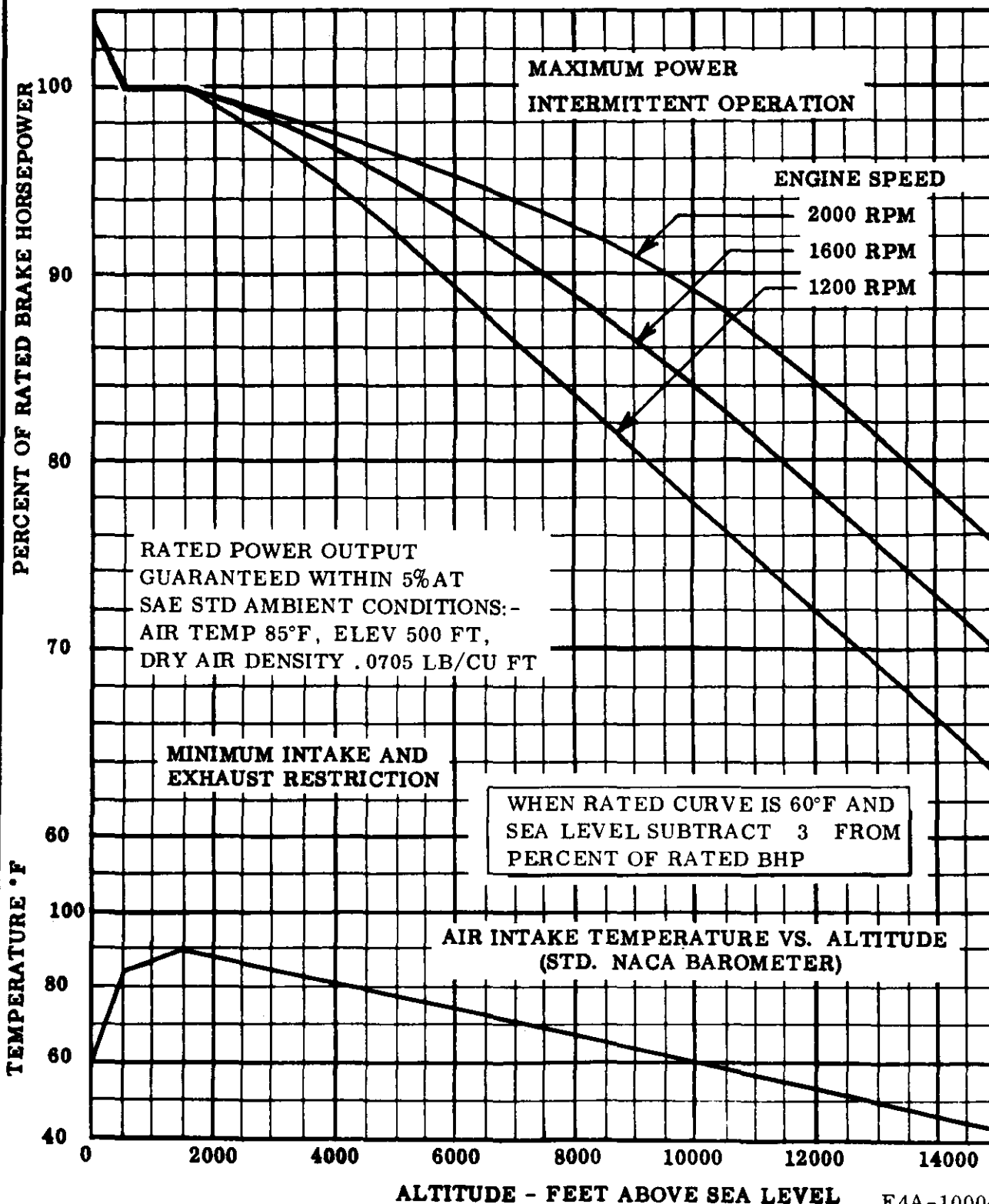




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 71 ENGINES ALTITUDE PERFORMANCE HV6 INJECTORS

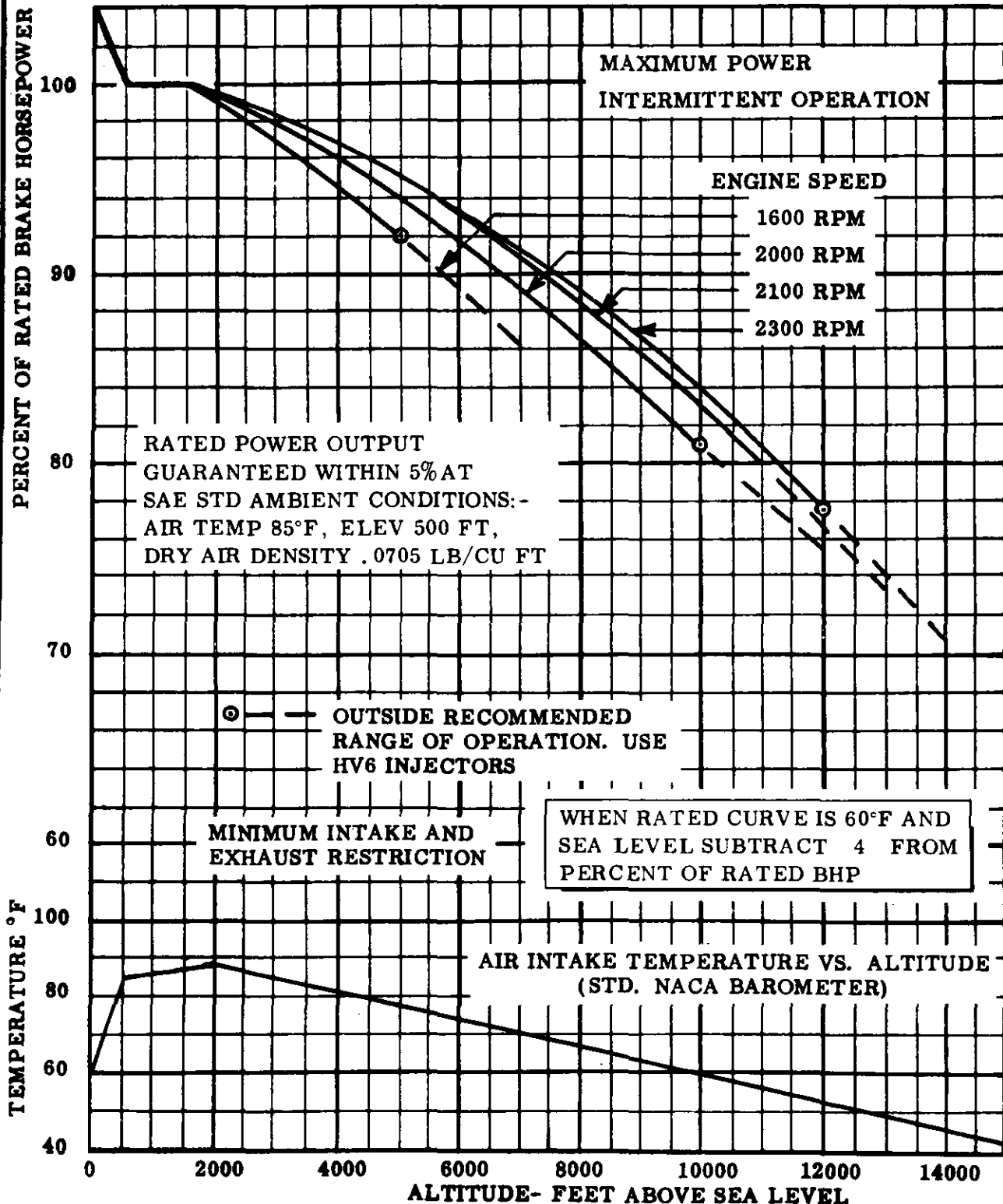




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 71 ENGINES ALTITUDE PERFORMANCE HV7 INJECTORS

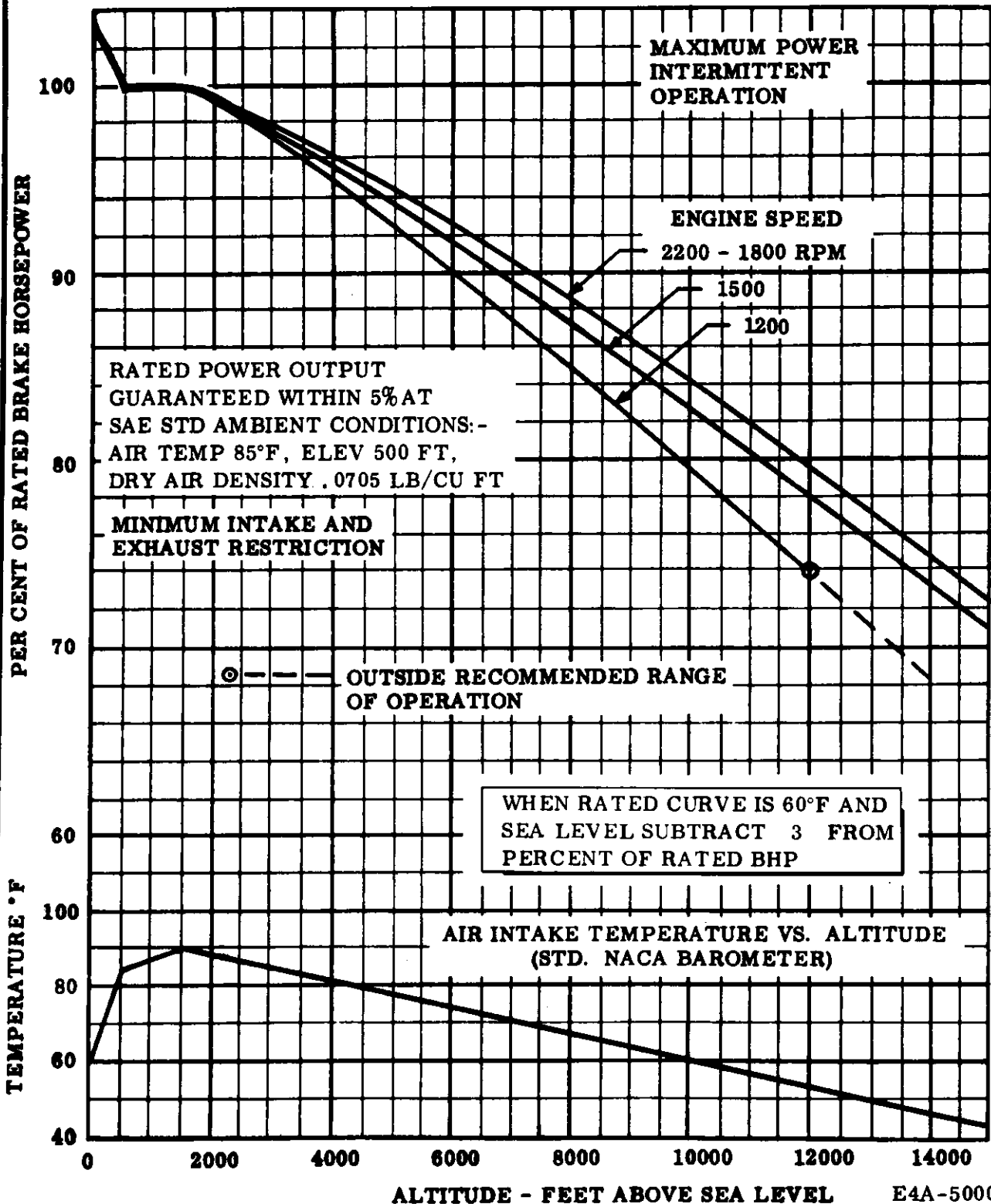




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 53 (2 VALVE HEAD) ENGINE ALTITUDE PERFORMANCE S40 INJECTORS

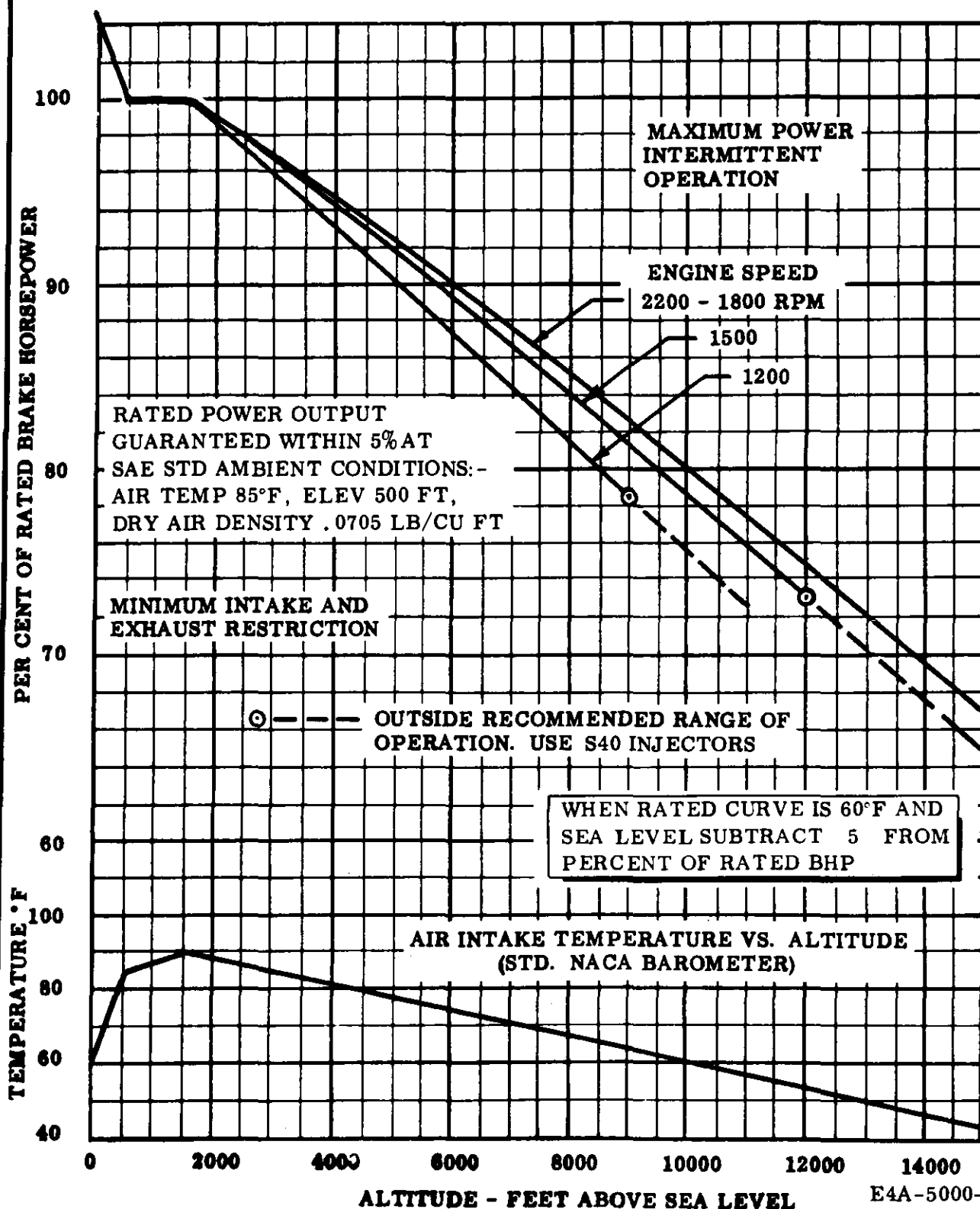




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 53 (2 VALVE HEAD) ENGINE
ALTITUDE PERFORMANCE
S45 INJECTORS





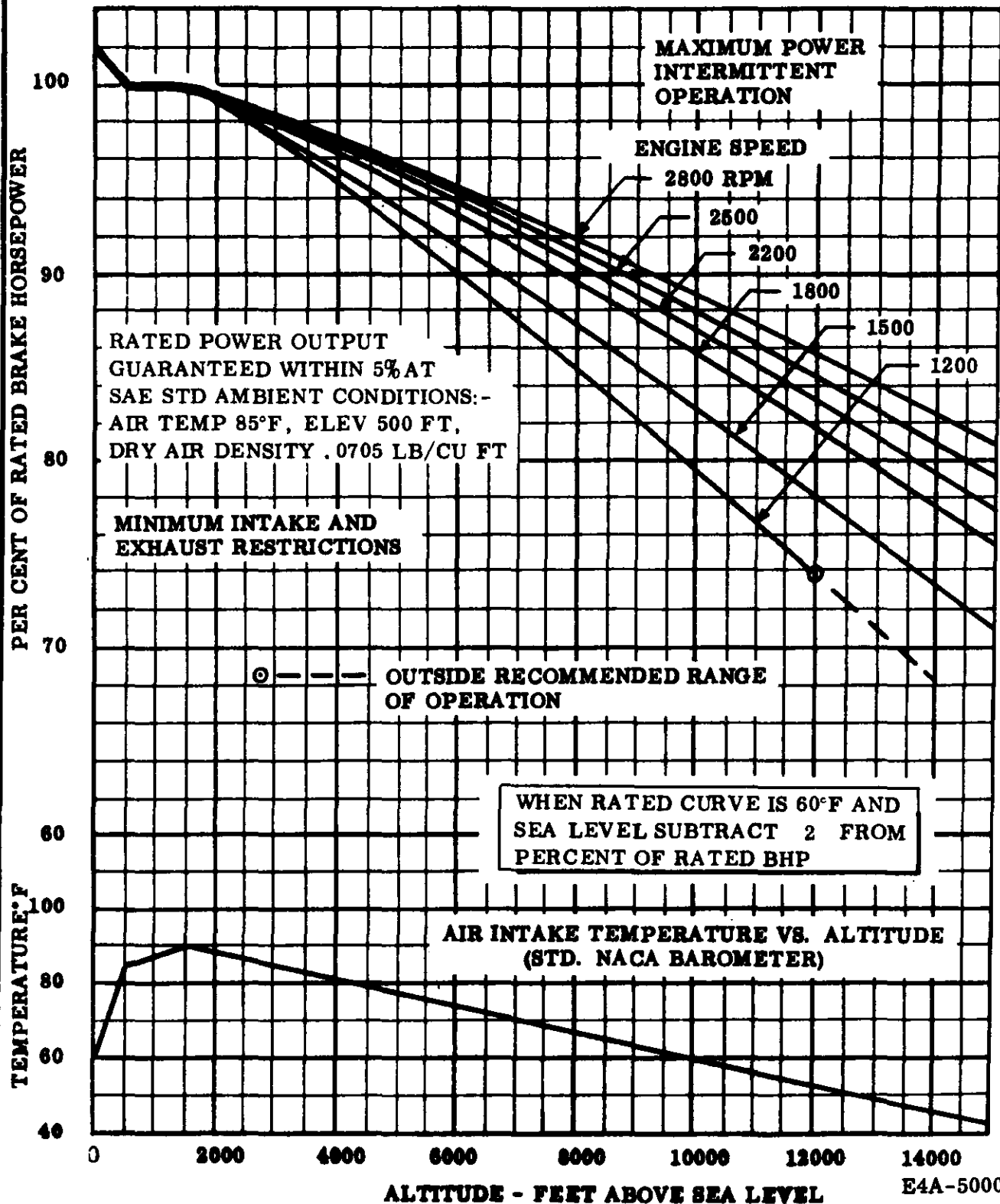
DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 53 (4-VALVE HEAD) ENGINE

ALTITUDE PERFORMANCE

S40 & N40 INJECTORS





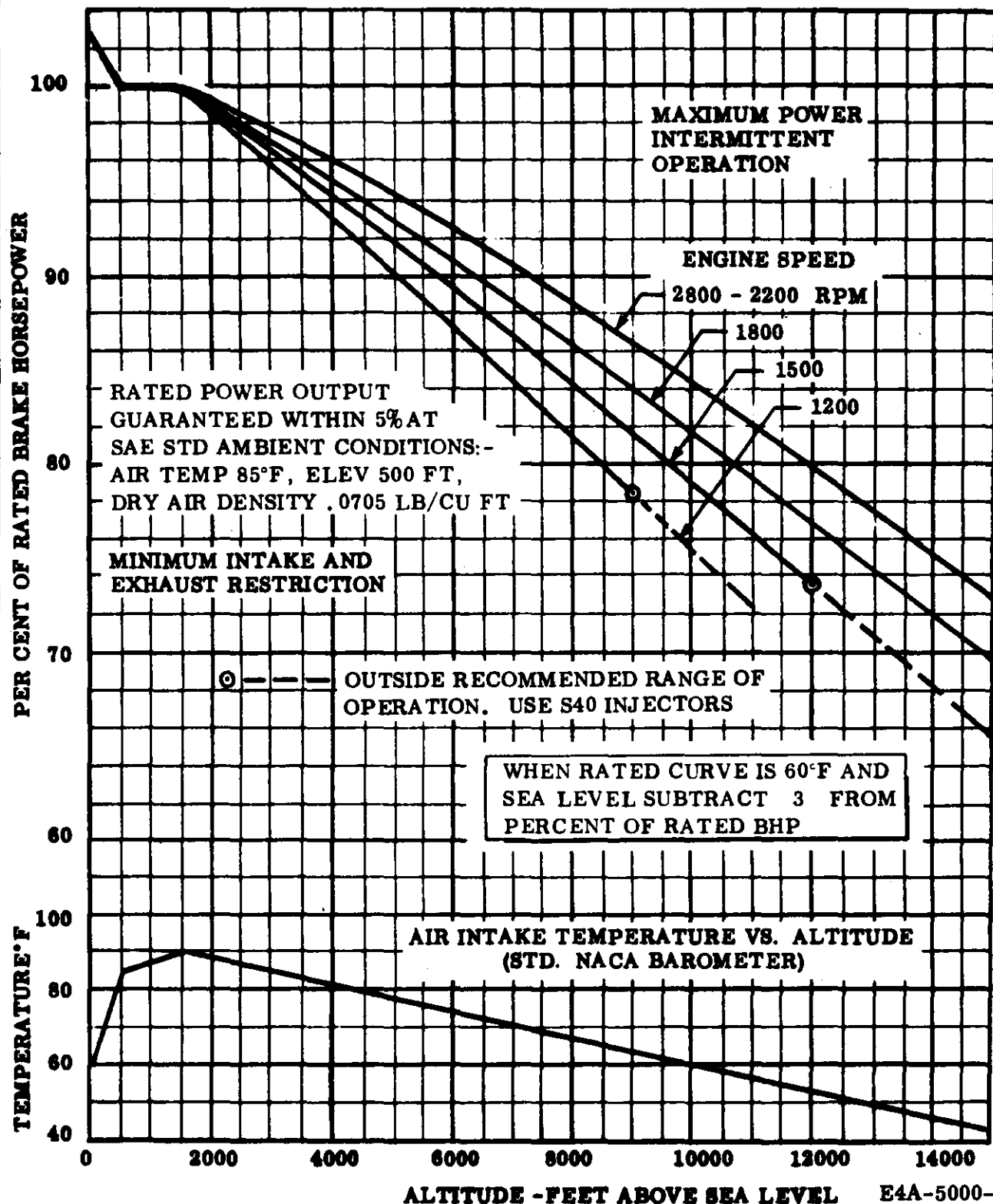
DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 53 (4-VALVE HEAD) ENGINE

ALTITUDE PERFORMANCE

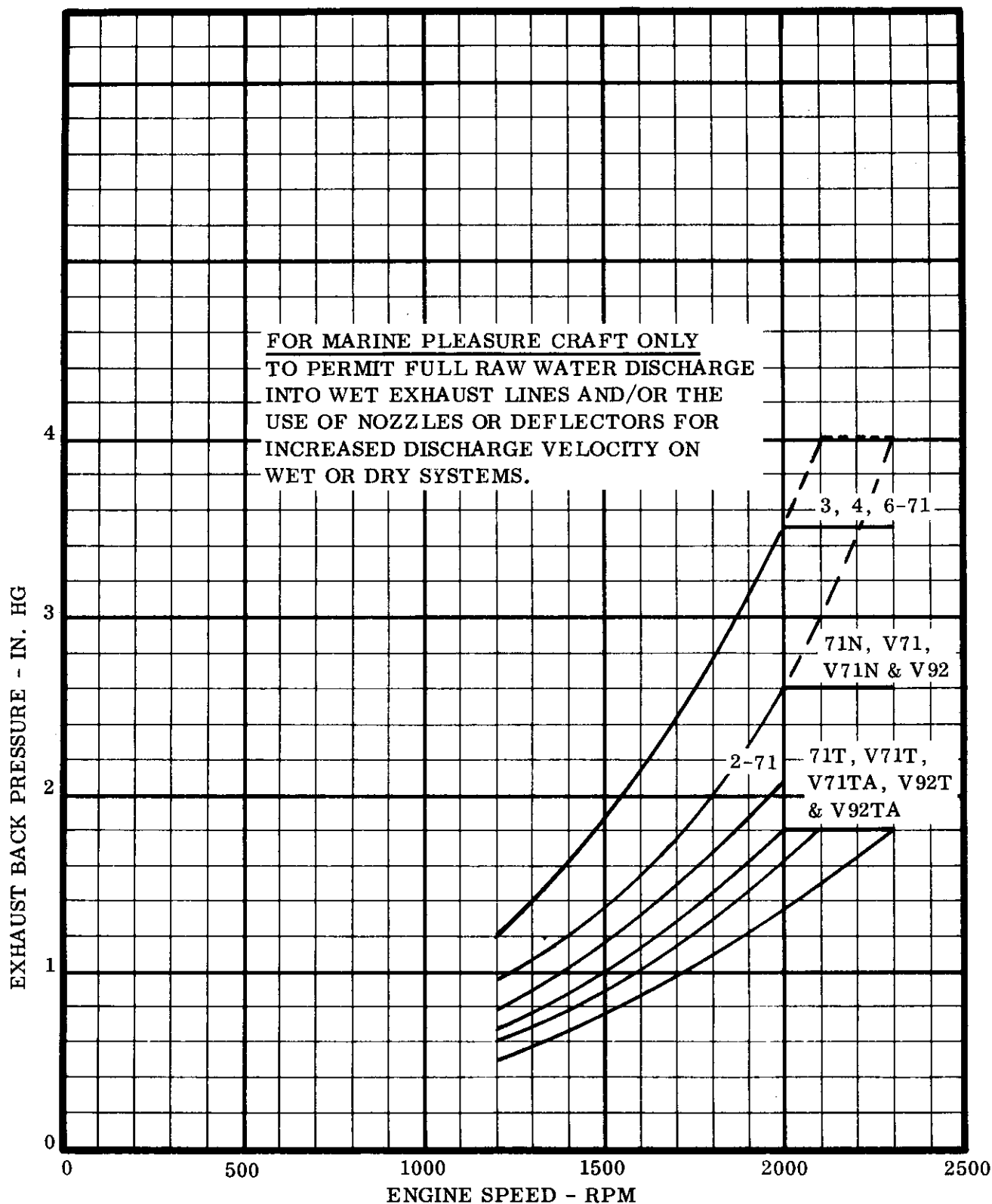
S45 & N45 INJECTORS





Detroit Diesel Allison
Division of General Motors Corporation

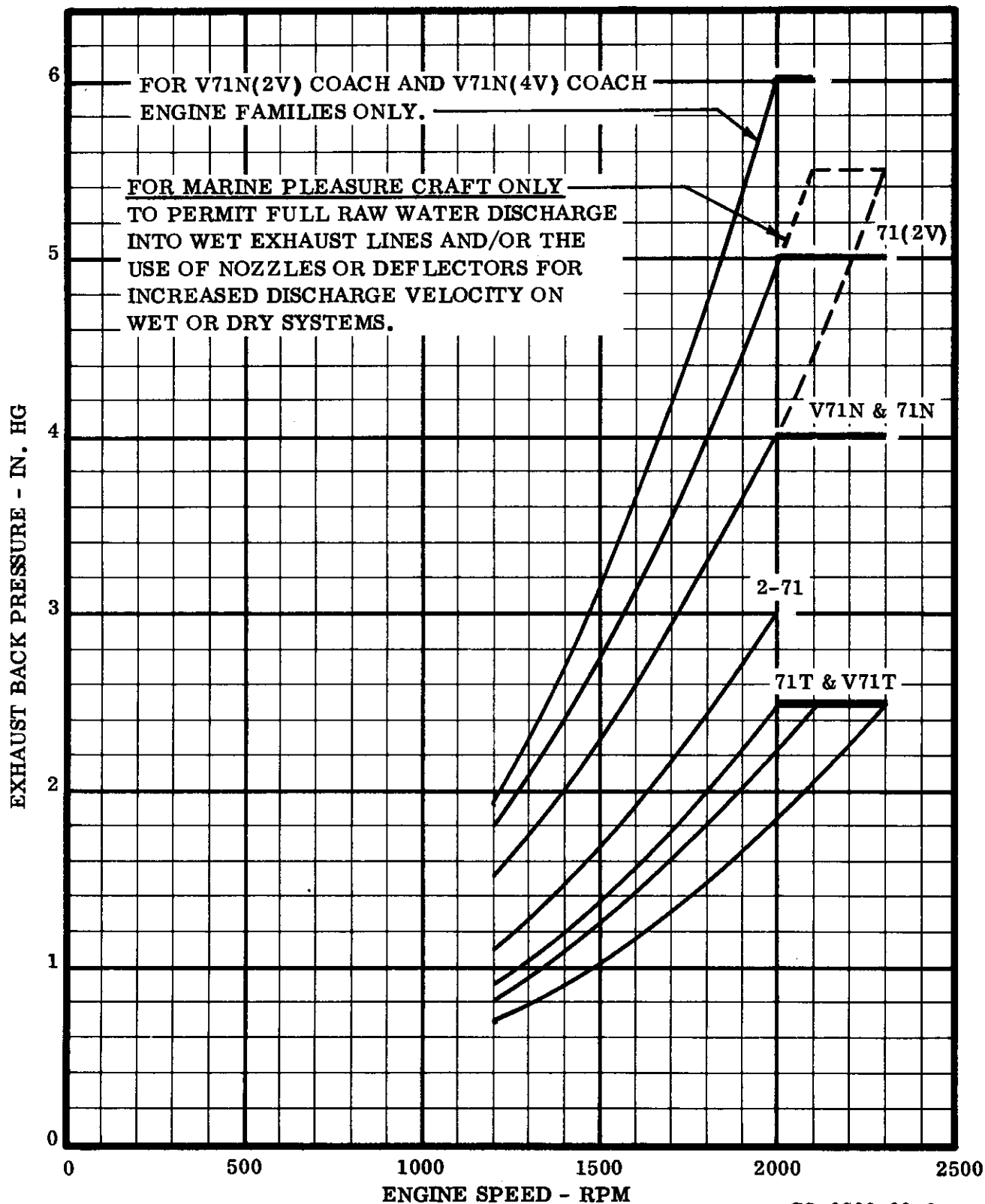
SERIES 71, 71N, 71T, V71, V71N, V71T,
V92 & V92T ENGINES
MAXIMUM EXHAUST BACK PRESSURE
NO LOAD





Detroit Diesel Allison
Division of General Motors Corporation

SERIES 71(2V), 71T, V71N & V71T ENGINES
MAXIMUM EXHAUST BACK PRESSURE
FULL LOAD

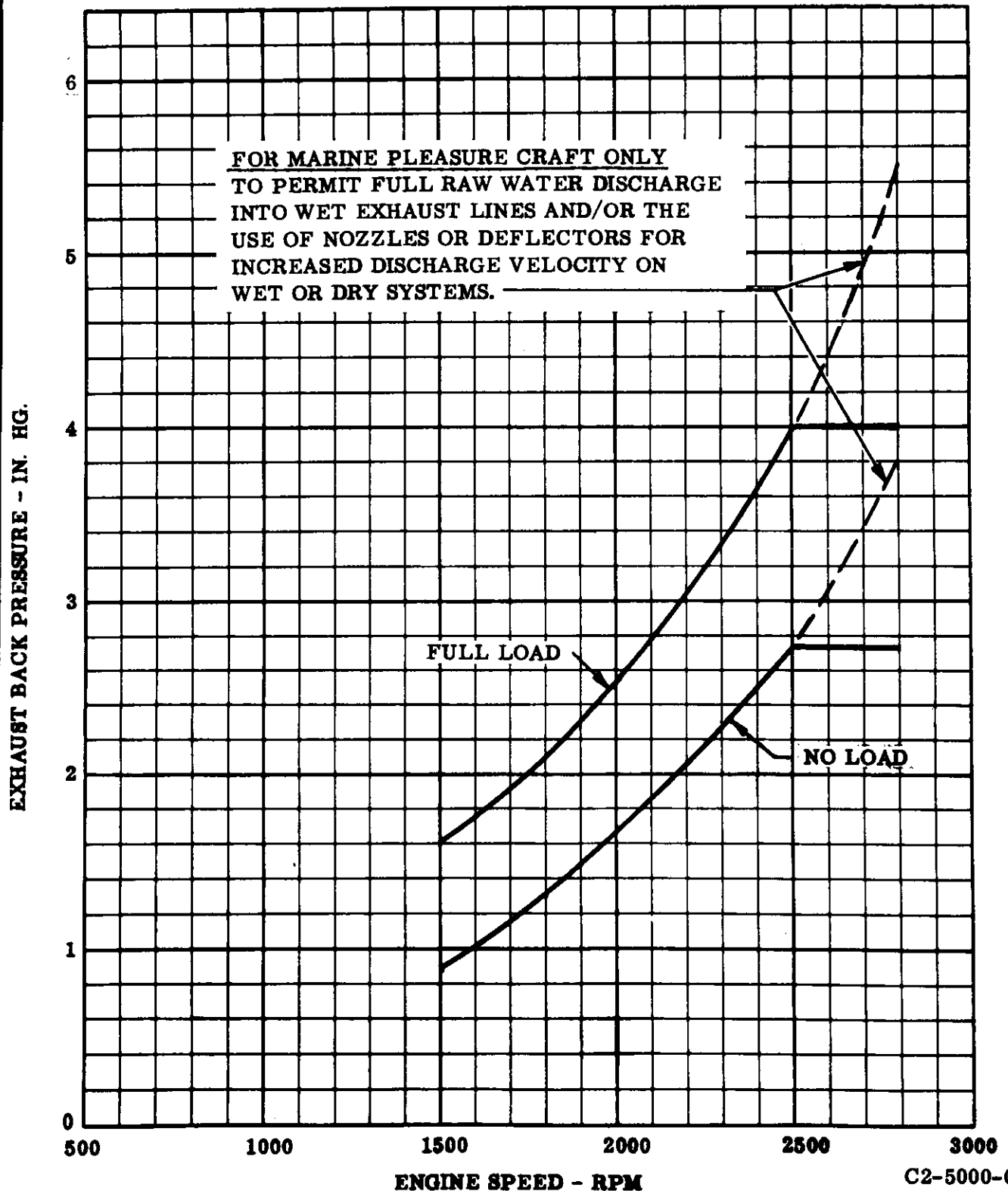




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 53 & 53N ENGINES
MAXIMUM EXHAUST BACK PRESSURE
FULL LOAD & NO LOAD

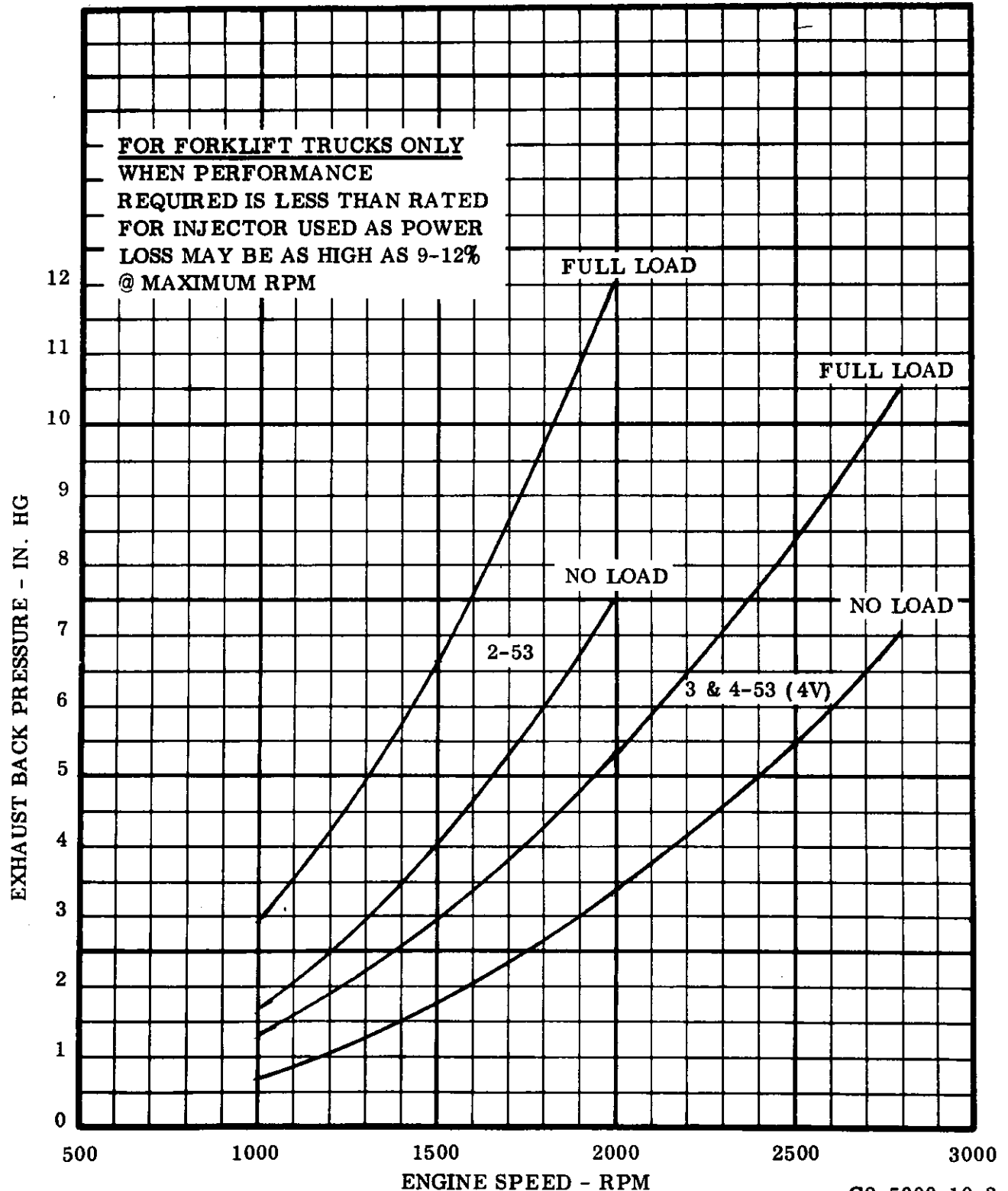




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES 53 ENGINES
MAXIMUM EXHAUST BACK PRESSURE
FULL LOAD & NO LOAD

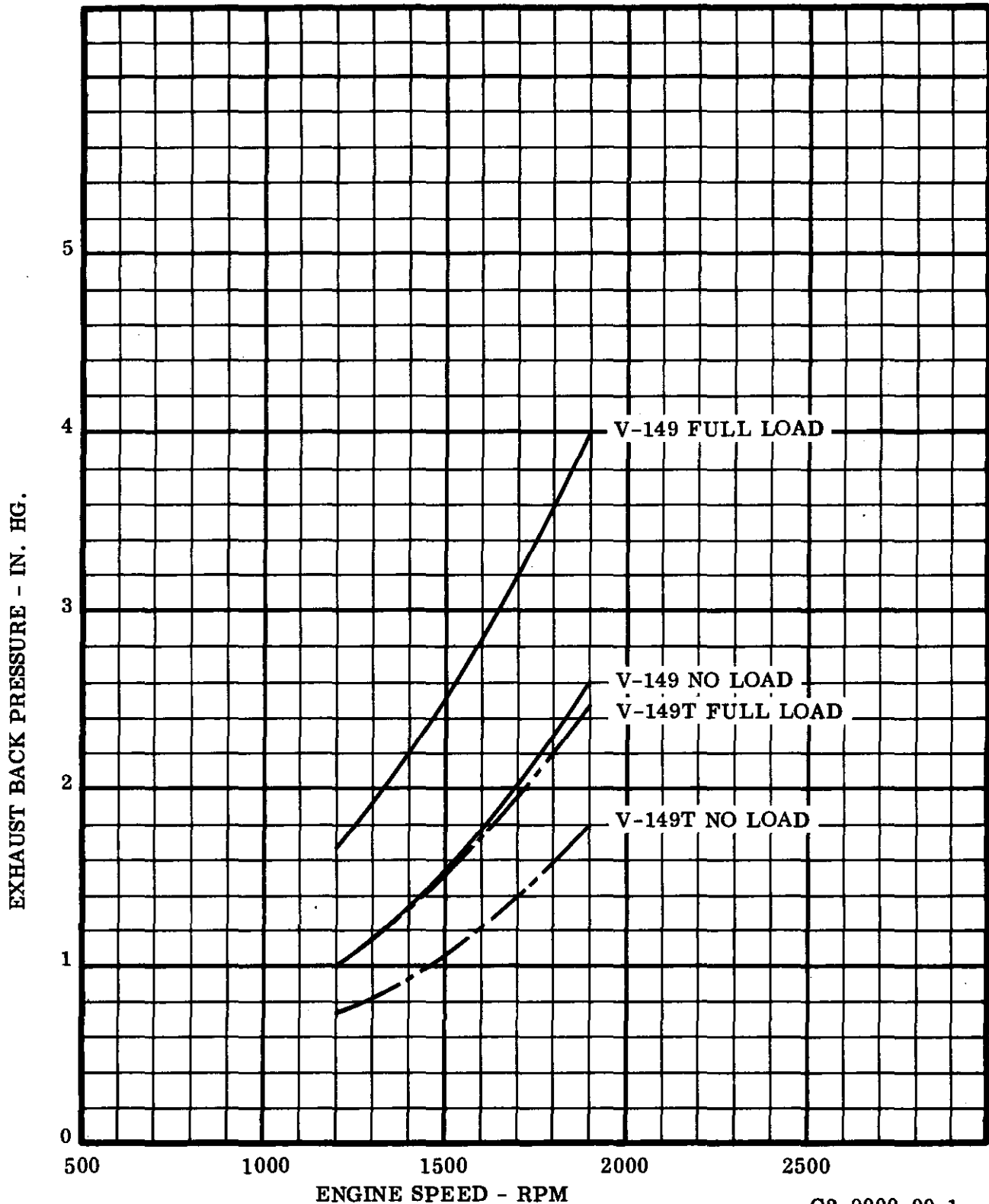




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

SERIES V-149 & V-149T
MAXIMUM EXHAUST BACK PRESSURE
FULL LOAD & NO LOAD



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DETROIT DIESEL ENGINE DIVISION

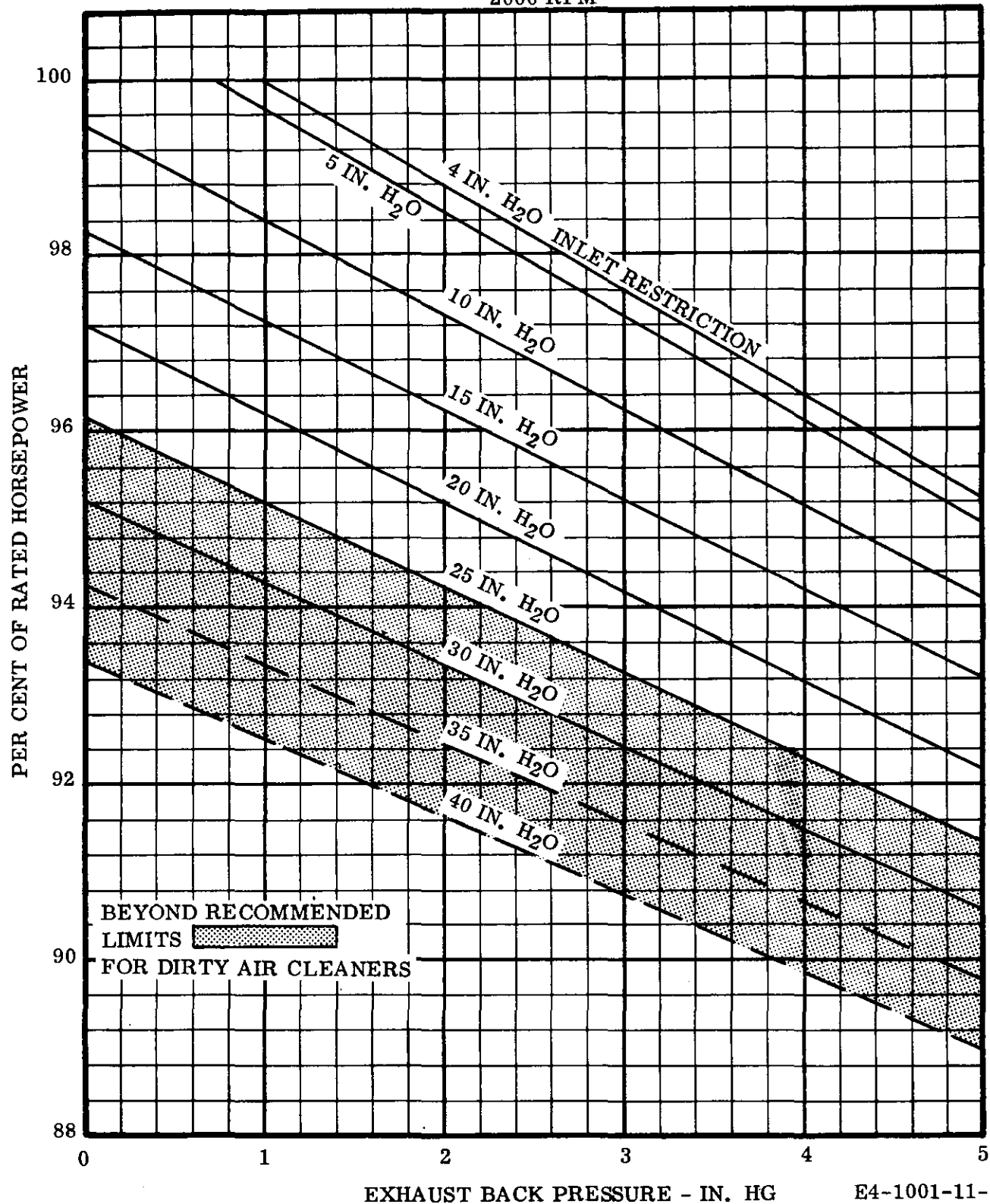
GENERAL MOTORS CORPORATION

SERIES 71

OUTPUT DERATING FROM
INTAKE AND EXHAUST RESTRICTION

HV6 INJECTORS

2000 RPM



**DETROIT DIESEL ENGINE DIVISION**

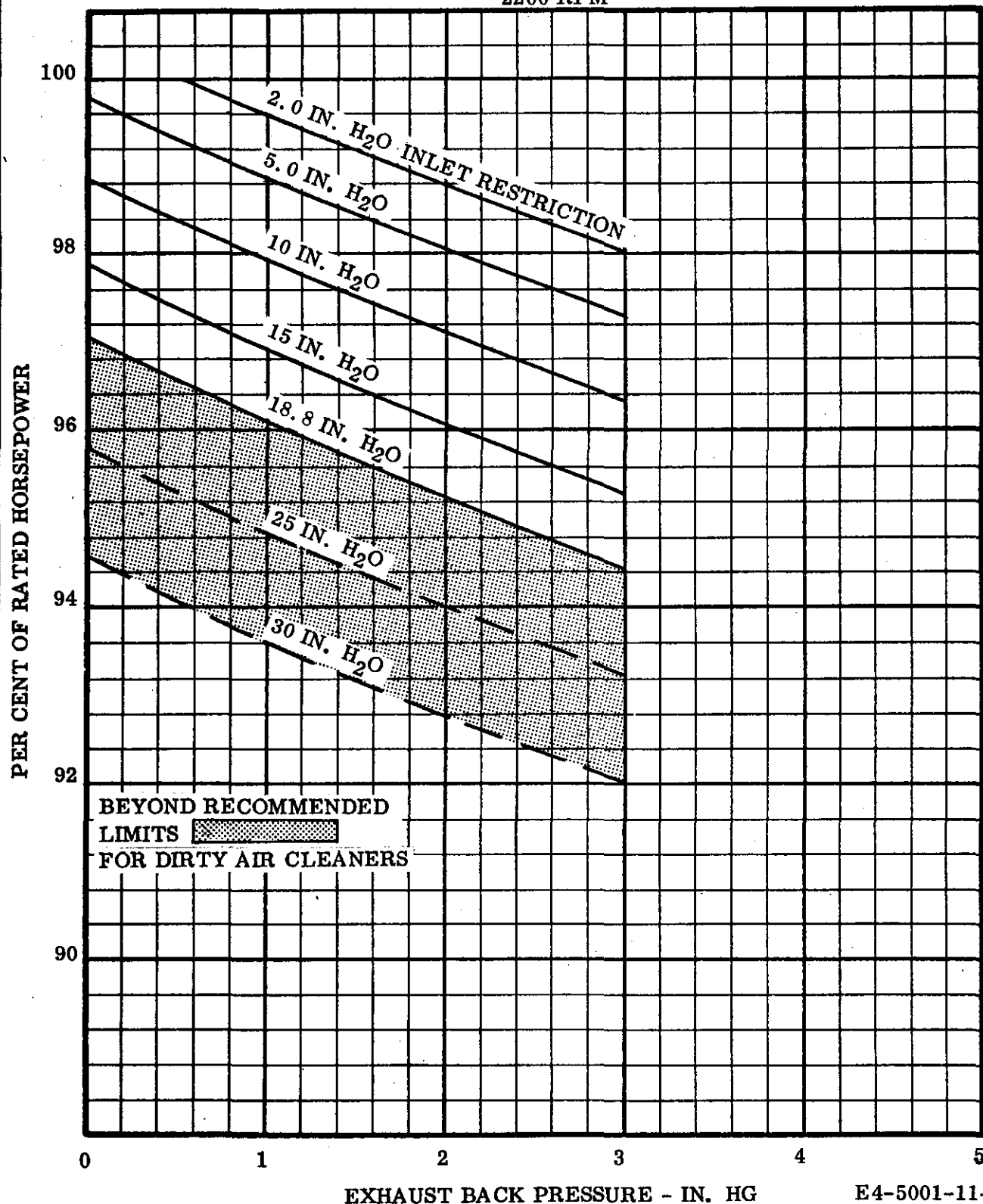
GENERAL MOTORS CORPORATION

SERIES 53 (2V)

OUTPUT DERATING FROM
INTAKE AND EXHAUST RESTRICTION

S45 INJECTORS

2200 RPM





DETROIT DIESEL ENGINE DIVISION

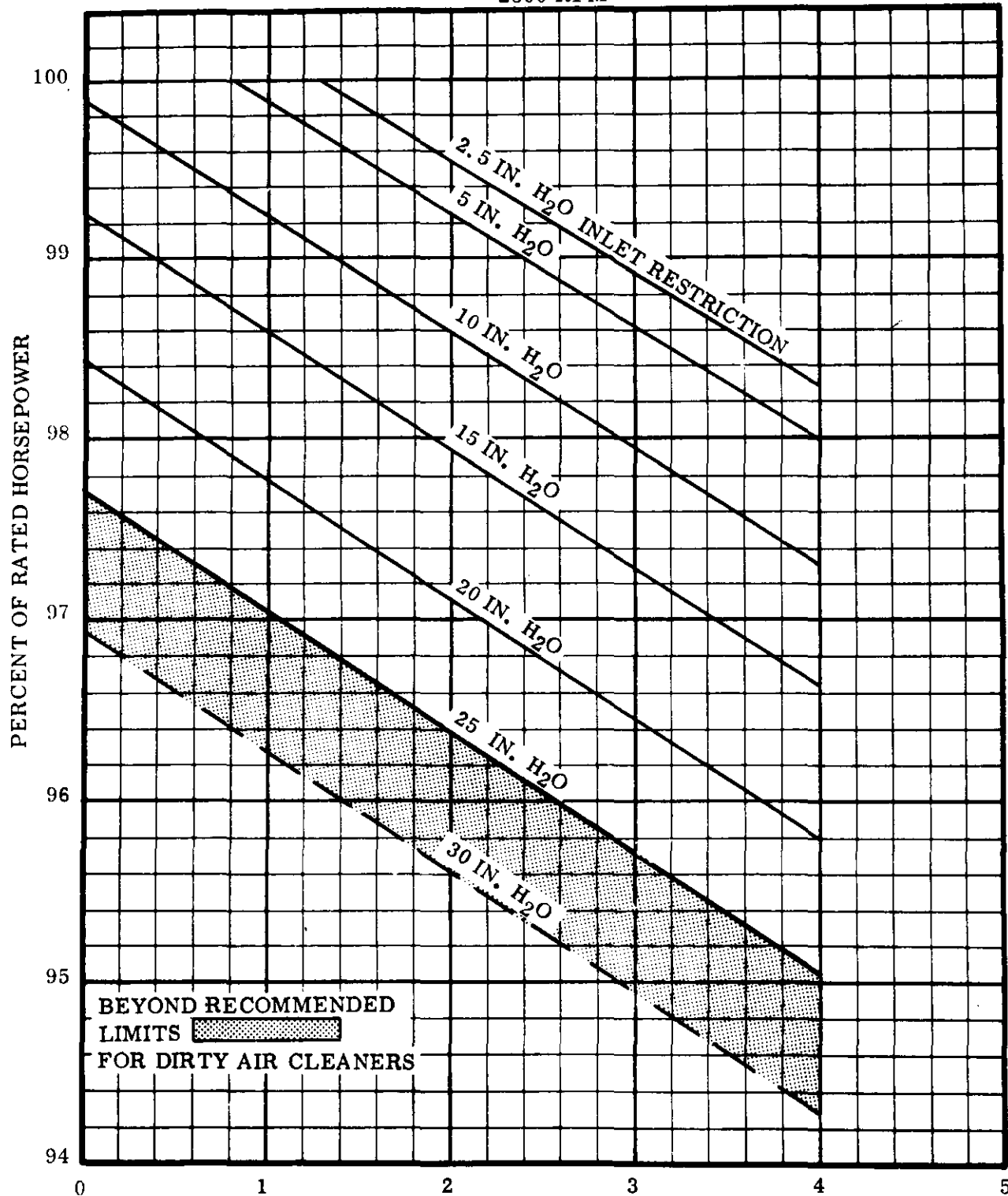
GENERAL MOTORS CORPORATION

SERIES 53 (4V)

OUTPUT DERATING FROM
INTAKE AND EXHAUST RESTRICTION

S45 INJECTORS

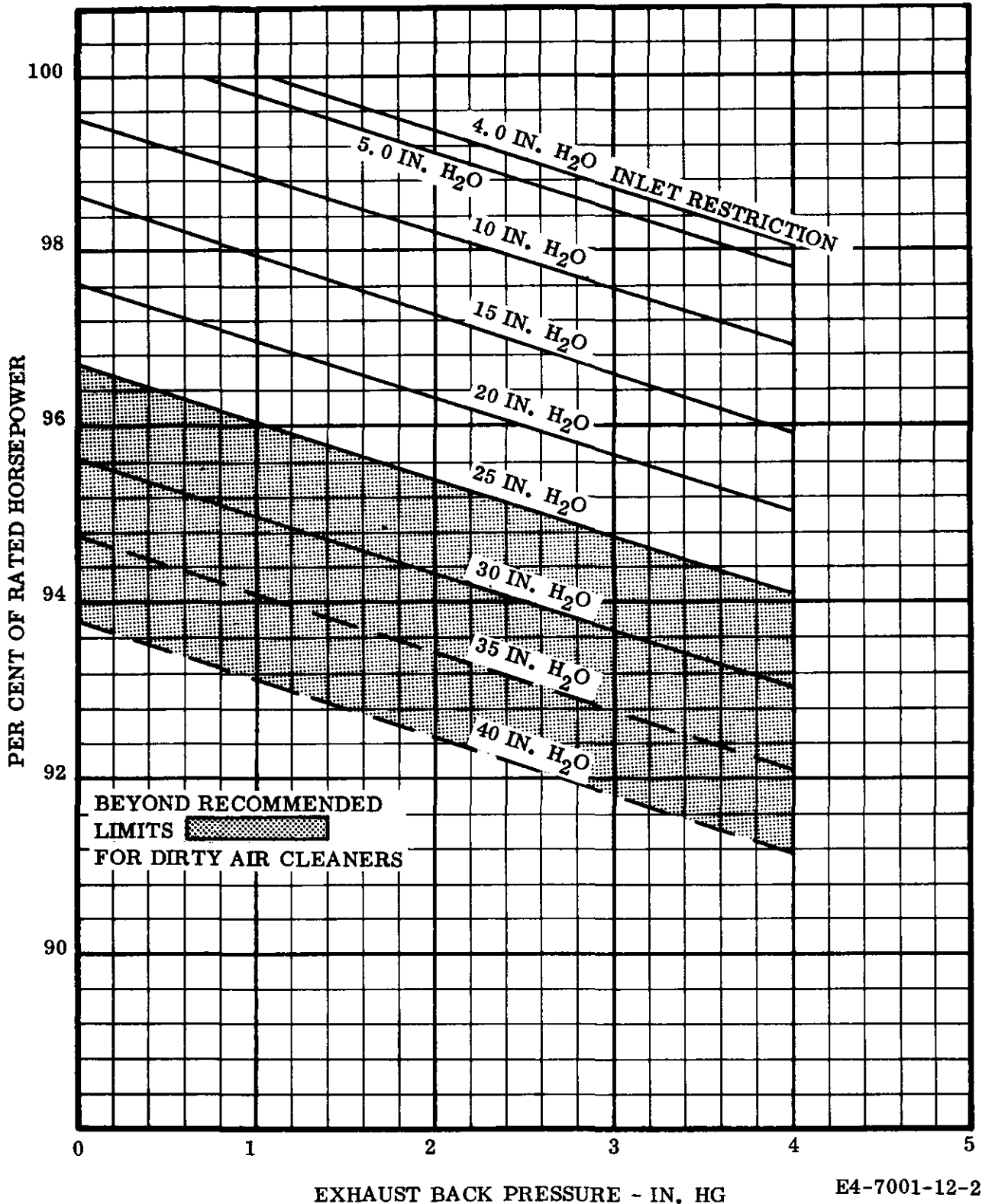
2800 RPM





Detroit Diesel Allison
Division of General Motors Corporation

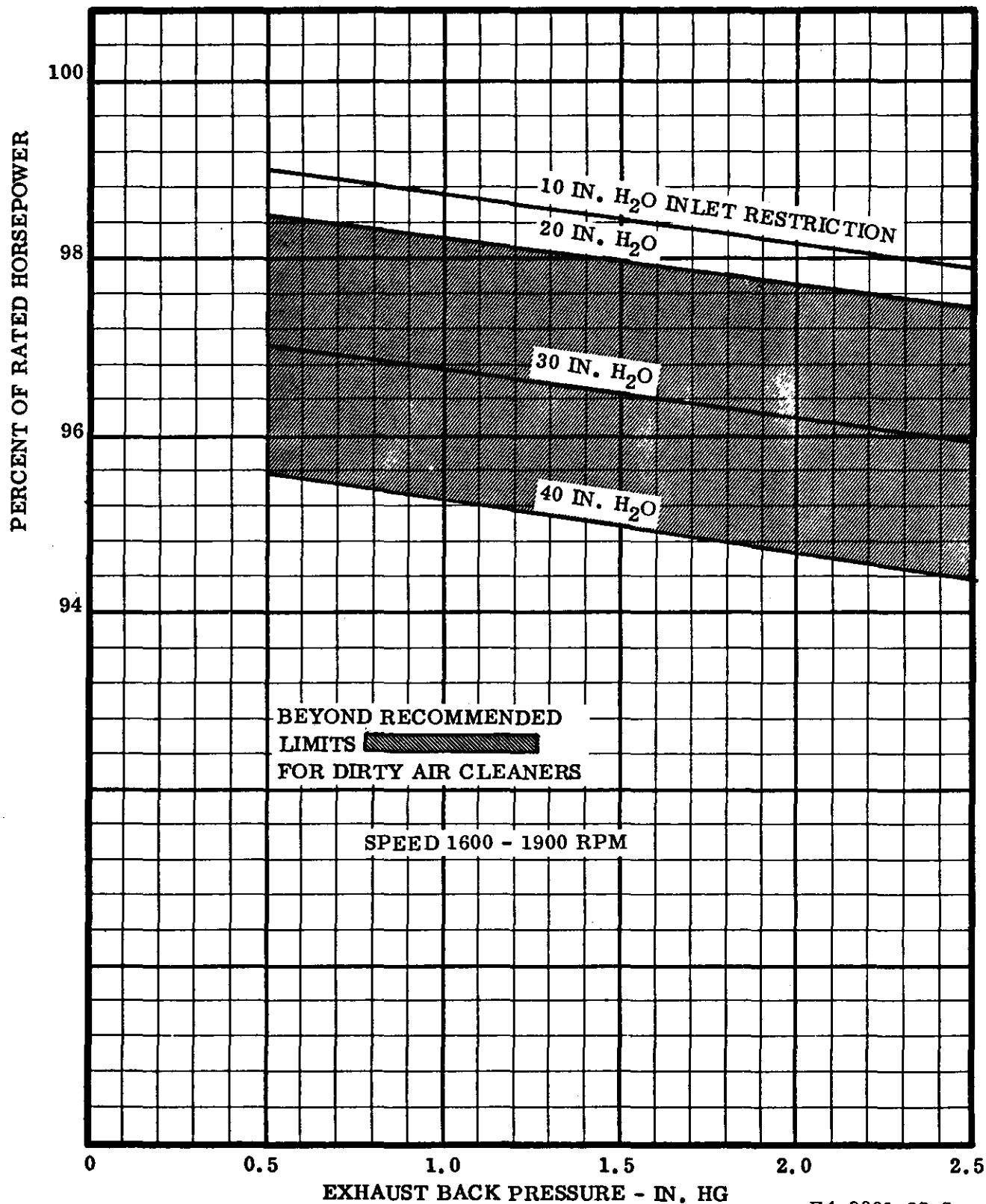
SERIES V71
OUTPUT DERATING FROM
INTAKE AND EXHAUST RESTRICTION
N60, C60 & B60 INJECTORS
2100 RPM





Detroit Diesel Allison
Division of General Motors Corporation

SERIES V-149T, V-149TI
OUTPUT DERATING FROM
INTAKE AND EXHAUST RESTRICTION
ALL INJECTOR SIZES



E4-9001-32-2
3-25-74

DETROIT DIESEL ALLISON COOLING FANS

Page No.	Fan Part No. GM	Blade Description Dia. - Blades x Projected Width	Used As				(1) Drive Ratio	(2)	Characteristic Curve Number	Model Usage
			Blwr.		Suct.				(3) Performance	
			R. H.	L. H.	R. H.	L. H.				
1	5128457	14 - 6 x 1.34	*			*	1.25	1	F1-0000-00-46	2-53
1	5128457	14 - 6 x 1.34	*			*	1.70	2	F1-0000-00-46	2-53
2	5146844	17 - 6 - 1.75		*	*		1.25	2	F1-0000-00-47	53
2	5146844	17 - 6 - 1.75		*	*		1.0	1	F1-0000-00-47	53
2	5146845	17 - 6 - 1.75	*			*	1.25	2	F1-0000-00-47	53
2	5146845	17 - 6 - 1.75	*			*	1.0	1	F1-0000-00-47	53
4	5112830	18 - 6 - 2.38	*			*	1.54	7	F1-0000-00-54	2-71
4	5145773	18 - 6 - 2.38	*			*	1.25	4	F1-0000-00-54	53, 71
4	5147710	18 - 6 - 2.38	*			*	1.25	4	F1-0000-00-54	53, 71
3	5147711	18 - 6 - 2.38	*			*	1.54	5	F1-0000-00-52	2-71
5	5145211	20 - 6 - 2.27	*			*	1.00	3	F1-0000-00-56	53, 71
5	5145212	20 - 6 - 2.27	*			*	1.00	3	F1-0000-00-56	53, 71
6	5100158	22 - 5 x 2		*	*		1.0	15	F1-0000-00-58	4-53
6	5119011	22 - 5 x 2		*	*		1.25	17	F1-0000-00-58	3, 4-53
6	5119011	22 - 5 x 2		*	*		1.0	15	F1-0000-00-58	3, 4-53
6	5119014	22 - 5 x 2	*			*	1.0	15	F1-0000-00-58	3, 4-53
7	5119012	22 - 5 x 2 3/4		*	*		1.0	16	F1-0000-00-59	3, 4-53
7	5119013	22 - 5 x 2 3/4	*			*	1.0	16	F1-0000-00-59	3, 4-53
7	5145904	22 - 5 x 2 3/4	*			*	1.0	16	F1-0000-00-59	53
7	5162837	22 - 5 x 2 3/4		*	*		1.0	16	F1-0000-00-59	53
20	5173871	22 - 6 x 2 1/4	*			*	1.1	17	F1-0000-00-73	6V-53
20	5173872	22 - 6 x 2 1/4		*	*		1.1	17	F1-0000-00-73	6V-53
8	3292286	22 - 6 x 2 3/8	*			*	1.25	8	F1-0000-00-60	3, 4, 6-71
8	3223656	22 - 6 x 2 3/8		*	*		1.3	9	F1-0000-00-60	4-71
9	5124701	24 - 6 x 2 3/8		*	*		1.25	10	F1-0000-00-61	4-53
9	5128508	24 - 6 x 2 3/8		*	*		1.25	10	F1-0000-00-61	6V-71
9	5100183	24 - 6 x 2 3/8	*			*	1.1	7	F1-0000-00-61	6V-53
9	5140100	24 - 6 x 2 3/8	*			*	1.0	6	F1-0000-00-61	3, 4-53, 3, 4-71
28	5139962	24 - 6 x 2.50			*		1.0	6	F1-0000-00-90	6-71
16	5173429	26 - 4 x 2 3/8		*	*		1.25	10	F1-0000-00-62	3, 4-71, V71
11	5173430	26 - 4 x 2 1/2	*			*	1.25	10	F1-0000-00-63	3, 4-71
12	5171228	26 - 6 x 2 3/4		*	*		1.25	12	F1-0000-00-64	71, V-71, 6V-53, 8V-53

(1) Fan Speed = Engine Speed x Drive Ratio.

(2) Under this number horsepower is on curve No. F1-0000-00-45, Sheet 1 & 2.

(3) Air Delivery at Fan RPM.

F1-0000-00-44

Sheet 1 of 3

Rev. 2-14-75

DETROIT DIESEL ALLISON COOLING FANS

Page No.	Fan Part No. GM	Blade Description Dia. Blades x Projected Width	Used As				(1) Drive Ratio	(2)	Characteristic Curve Number	Model Usage
			Blwr.		Suct.				(3) Performance	
			R. H.	L. H.	R. H.	L. H.				
12	5171228	26 - 6 x 2 3/4		*	*		0.77	5	F1-0000-00-64	8V-53
12	5171229	26 - 6 x 2 3/4	*			*	1.25	12	F1-0000-00-64	3, 4, 6-71
12	5171229	26 - 6 x 2 3/4	*			*	0.77	5	F1-0000-00-64	8V-53
12	5171229	26 - 6 x 2 3/4	*			*	0.9	18	F1-0000-00-64	6V-71
13	5172003	26 - 6 x 3 1/4	*			*	1.25	20	F1-0000-00-66	6-71
13	5177766	26 - 6 x 3 1/4		*	*		1.25	20	F1-0000-00-66	71, V71, 8V-53
29	5113728	28 - 6 x 2 1/2	*			*	1.1	10	F1-0000-00-91	4-71
14	5175738	28 - 6 x 3 1/4	*			*	0.95	10	F1-0000-00-67	71, V-71
14	5175738	28 - 6 x 3 1/4	*			*	0.77	18	F1-0000-00-67	8V-53
14	5177871	28 - 6 x 3 1/4		*	*		0.95	10	F1-0000-00-67	6V-71
14	5177871	28 - 6 x 3 1/4		*	*		0.77	18	F1-0000-00-67	8V-53
14	5175738	28 - 6 x 3 1/4	*			*	1.25	20	F1-0000-00-67	6, 6V, 8V-71
14	5177871	28 - 6 x 3 1/4		*	*		1.25	20	F1-0000-00-67	8V-53, 4, 6, 6V 8V-71
26	5137483	32 - 8 x 2.33		*	*		1.0	13	F1-0000-00-85	V-71, 8V-53
15	9178064	32 - 8 x 3.59		*	*		0.6	8	F1-0000-00-68	8V-71
15	9178064	32 - 8 x 3.59		*	*		0.75	12	F1-0000-00-68	12V-71
15	5101349	32 - 8 x 3.59		*	*		0.85	14	F1-0000-00-68	6V, 8V, 12V-71
25	5109396	32 - 8 x 3 5/8	*			*	0.8	20	F1-0000-00-84	6V, 8V-71
16	5100506	34 - 8 x 3.17		*	*		0.75	12	F1-0000-00-69	8V-71
16	5100507	34 - 8 x 3	*			*	0.75	12	F1-0000-00-69	8V-71
17	5162666	36 - 8 x 3 1/16	*			*	0.67	11	F1-0000-00-70	8V, 12V-71
17	5189119	36 - 8 x 3 1/16		*	*		0.67	11	F1-0000-00-70	8V, 12V-71
17	5162666	36 - 8 x 3 1/16	*			*	0.75	13	F1-0000-00-70	8V, 12V-71
17	5189119	36 - 8 x 3 1/16		*	*		0.75	13	F1-0000-00-70	8V, 12V-71
17	5125148	36 - 8 x 3 1/16		*	*		0.8	20	F1-0000-00-70	12V-71
17	5162666	36 - 8 x 3 1/16	*			*	0.85	21	F1-0000-00-70	8V, 12V-71
17	5189119	36 - 8 x 3 1/16		*	*		0.85	21	F1-0000-00-70	8V, 12V-71
21	5131625	36 - 6 x 3 1/4		*	*		0.67	11	F1-0000-00-80	6V-71
18	5124147	40 - 8 x 3		*	*		0.67	13	F1-0000-00-71	12V, 16V-71
18	5126383	40 - 8 x 3	*			*	0.67	13	F1-0000-00-71	12V-71
18	5124147	40 - 8 x 3		*	*		0.75	21	F1-0000-00-71	12V, 16V-71
30	5142040	40 - 8 x 3	*			*	0.82	23	F1-0000-00-92	16V-71
30	5142041	40 - 8 x 3		*	*		0.82	23	F1-0000-00-92	16V-71

(1) Fan Speed = Engine Speed x Drive Ratio.

(2) Under this number horsepower is on curve No. F1-0000-00-45, Sheet 1 & 2.

(3) Air Delivery at Fan RPM.

F1-0000-00-44

Sheet 2 of 3

Rev. 2-14-75

DETROIT DIESEL ALLISON COOLING FANS

Page No.	Fan Part No. GM	Blade Description Dia. - Blades x Projected Width	Used As				(1) Drive Ratio	(2)	Characteristic Curve Number	Model Usage
			Blwr.		Suct.				(3) Performance	
			R. H.	L. H.	R. H.	L. H.				
19	5196743	44 - 8 x 3 5/16		*	*		0.60	14	F1-0000-00-72	16V-71
19	5142039	44 - 8 x 3.33		*	*		0.62	20	F1-0000-00-72	16V-71, 71T
19	5109047	44 - 8 x 3.33	*			*	0.60	14	F1-0000-00-72	V92T
22	5141315	48 - 8 x 3.55		*	*		0.62	22	F1-0000-00-81	16V-71
32	5142037	48 - 8 x 3.5	*			*	0.62	23	F1-0000-00-94	16V-71
27	5141992	48 - 8 x 4.07		*	*		0.66	25	F1-0000-00-86	12V-149
31	5143381	48 - 8 x 4.07	*			*	0.66	26	F1-0000-00-93	12V-149
23	5141844	52 - 8 x 3.50		*	*		0.66	27	F1-0000-00-82	12V-149T
33	5144852	52 - 8 x 3.50	*			*	0.66	27	F1-0000-00-95	12V, 16V-149
34	5144021	60 - 8 x 3.88		*	*		0.66	24	F1-0000-00-96	12V-149
24	5141840	60 - 8 x 4.37		*	*		0.66	28	F1-0000-00-83	12V-149T

(1) Fan Speed = Engine Speed x Drive Ratio.

(2) Under this number horsepower is on curve No. F1-0000-00-45, Sheet 1 & 2.

(3) Air Delivery at Fan RPM.

F1-0000-00-44

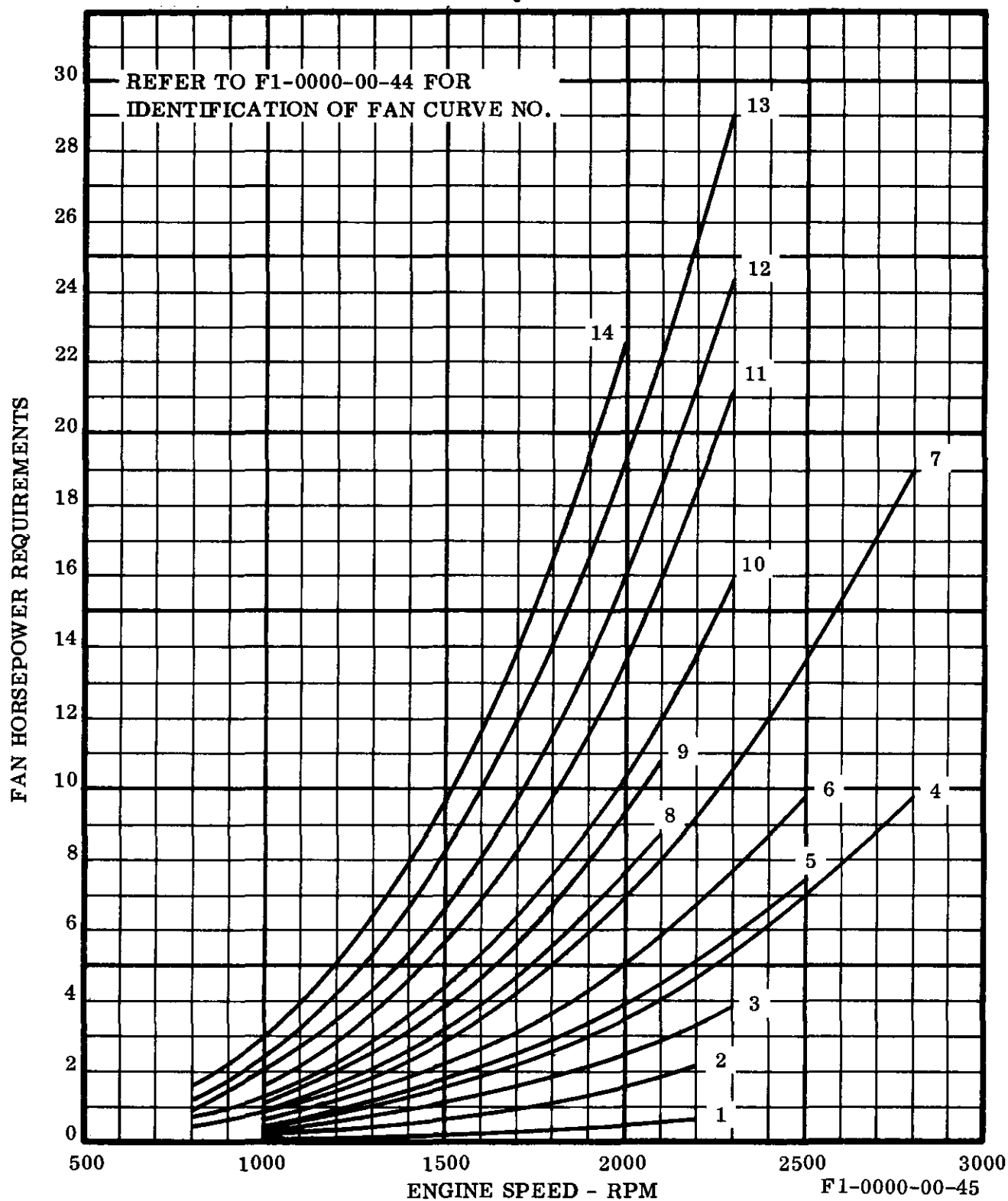
Sheet 3 of 3

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Detroit Diesel Allison
Division of General Motors Corporation

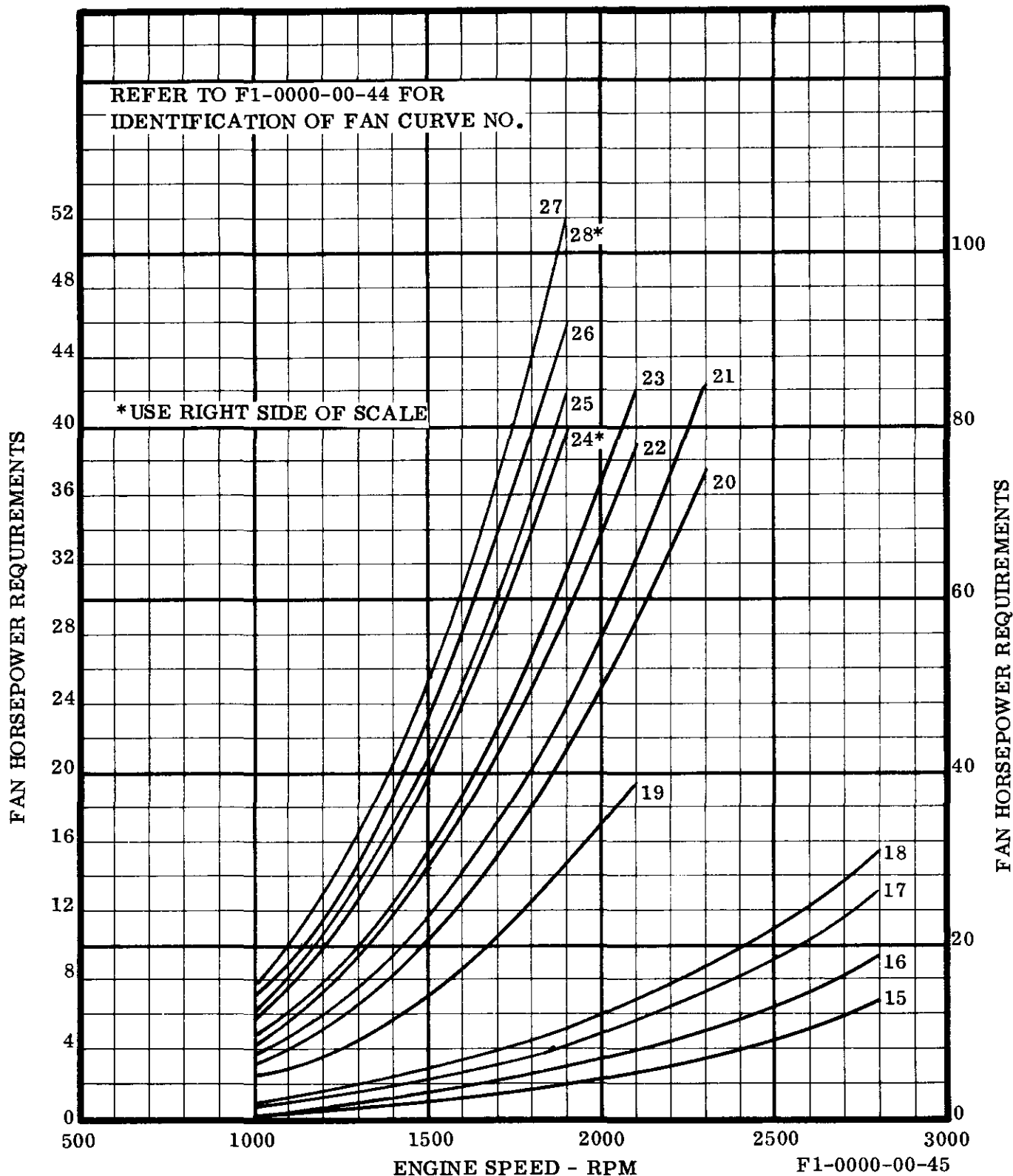
COOLING FAN
HORSEPOWER REQUIREMENTS
SERIES 53, 71, V71 AND V92





Detroit Diesel Allison
Division of General Motors Corporation

COOLING FAN
HORSEPOWER REQUIREMENTS
SERIES 53, 71, V71, V92 & V149



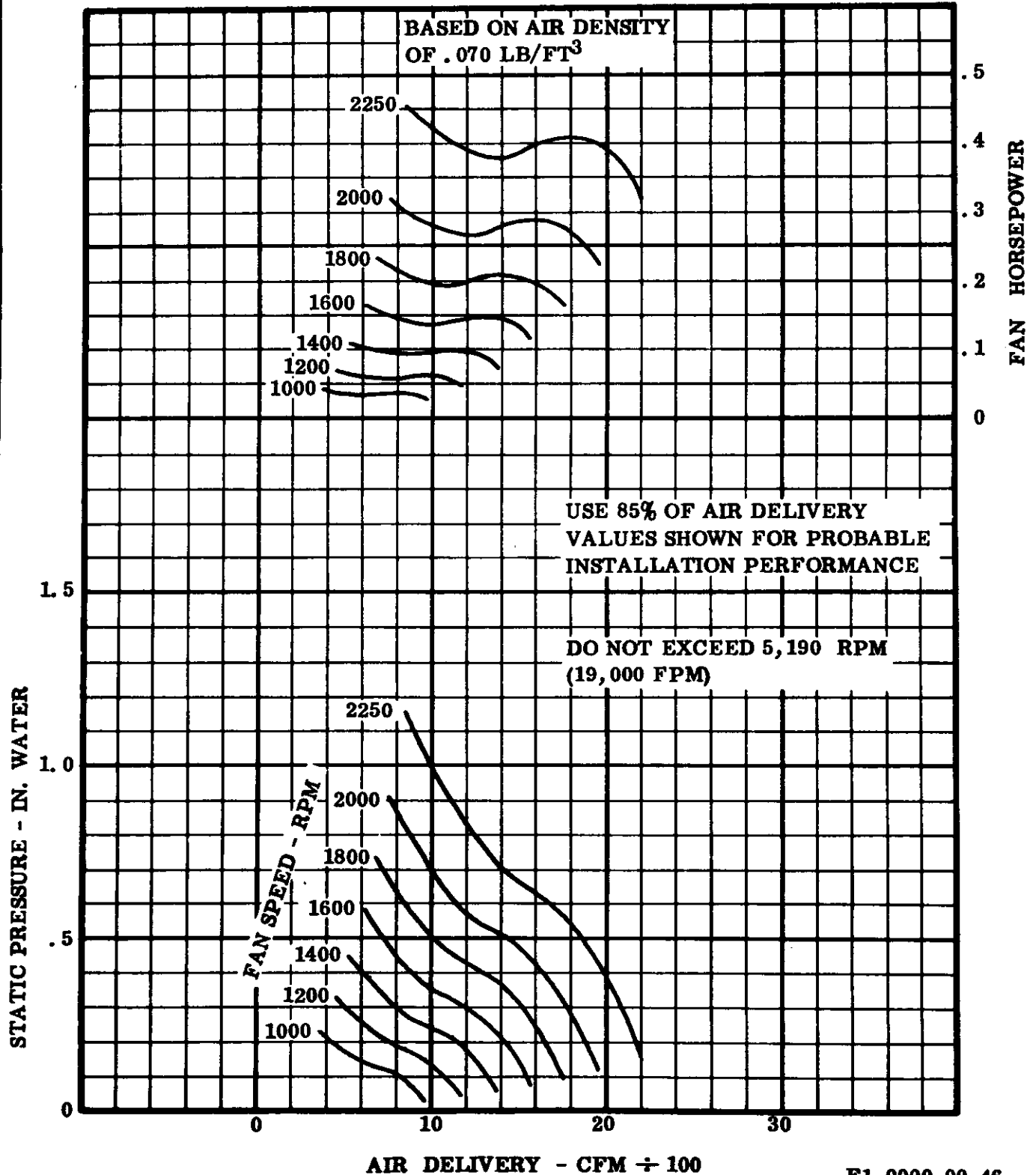


DETROIT DIESEL ENGINE DIVISION

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FAN CHARACTERISTICS

14 INCH - 6 BLADE X 1.34 INCH PROJECTED WIDTH





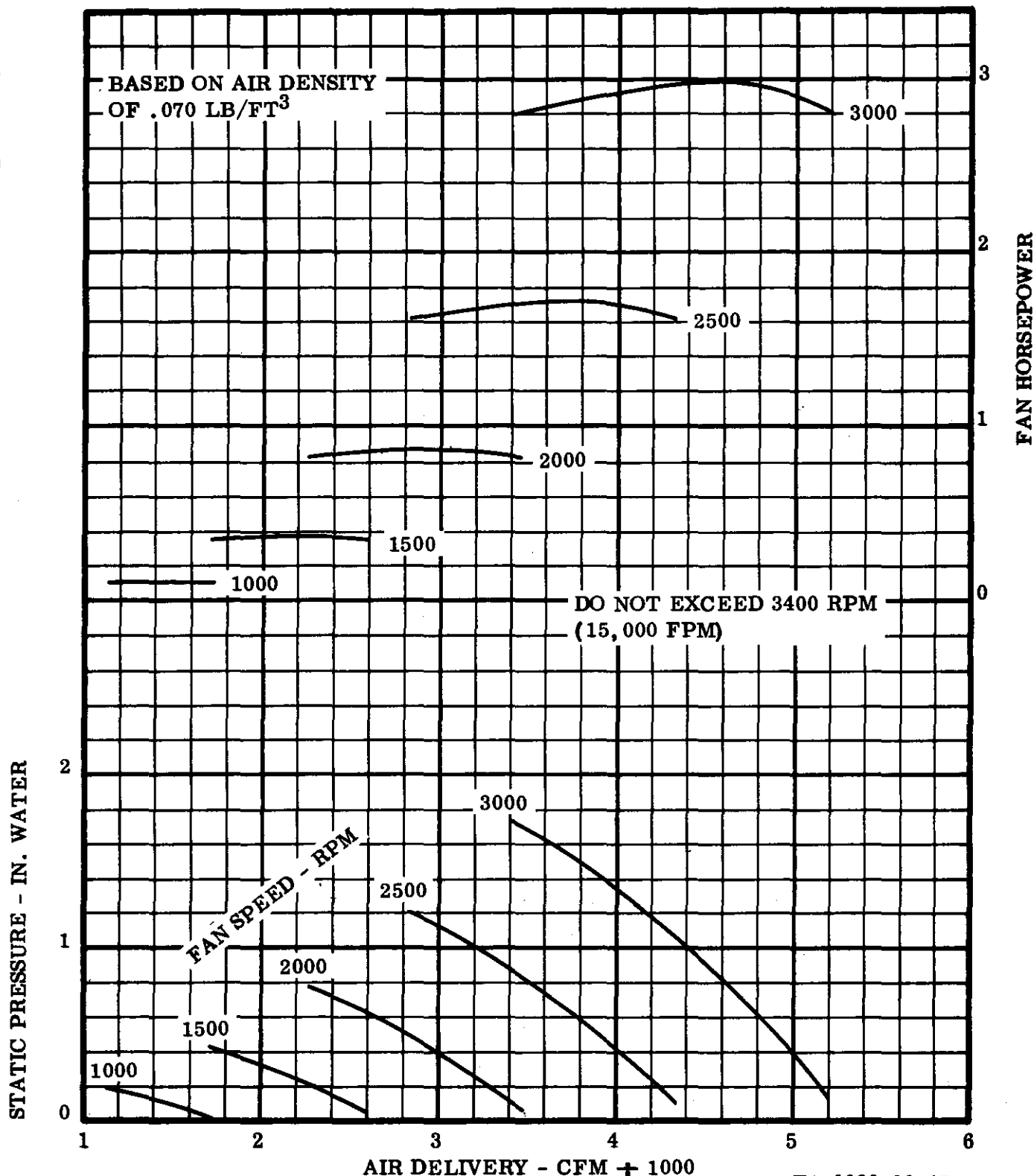
DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

FAN CHARACTERISTICS

17 INCH - 6 BLADE x 1 3/4 INCH PROJECTED WIDTH

PROBABLE INSTALLATION PERFORMANCE

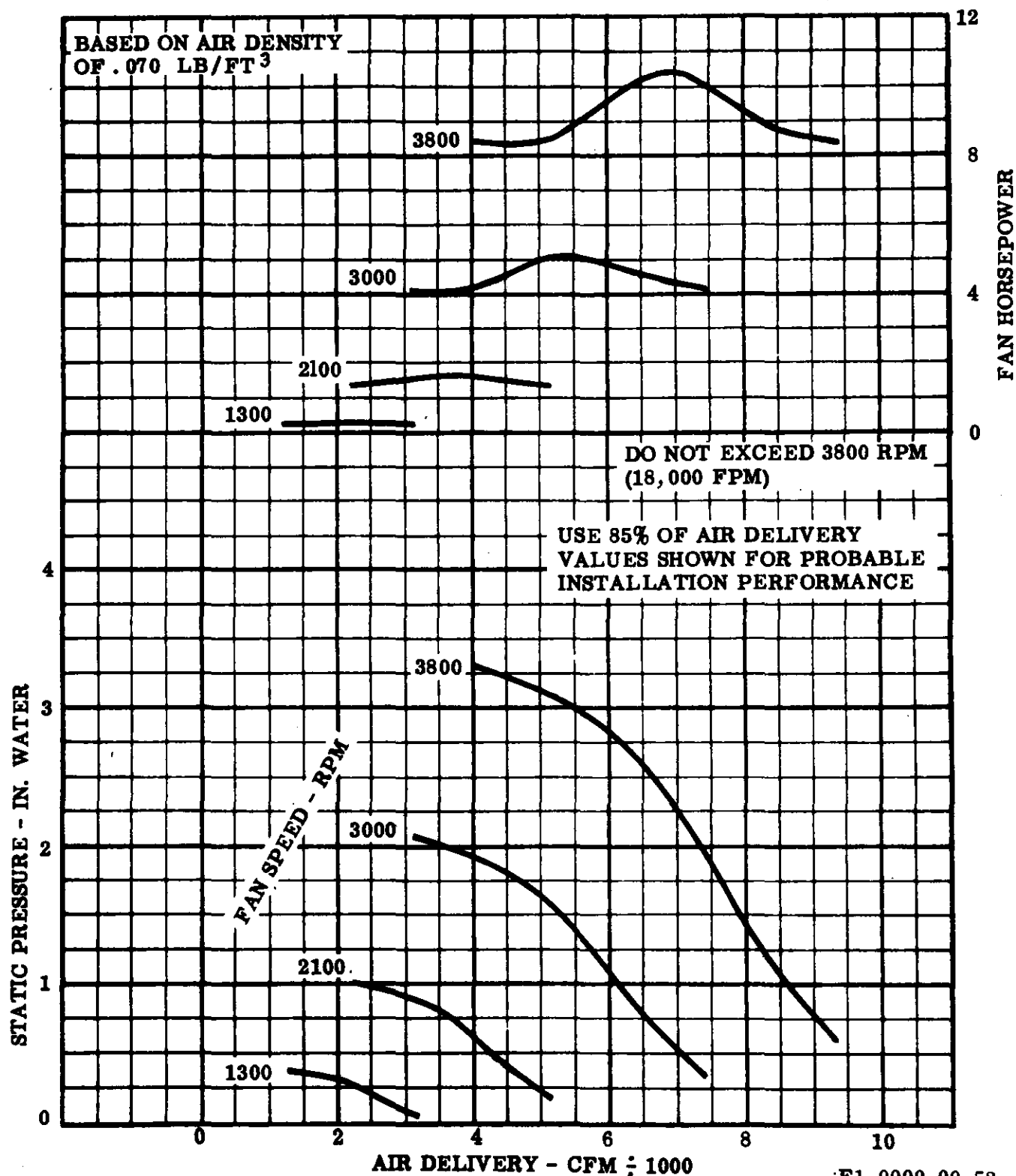




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FAN CHARACTERISTICS
18 INCH - 5 BLADE x 2 3/16 INCH PROJECTED WIDTH



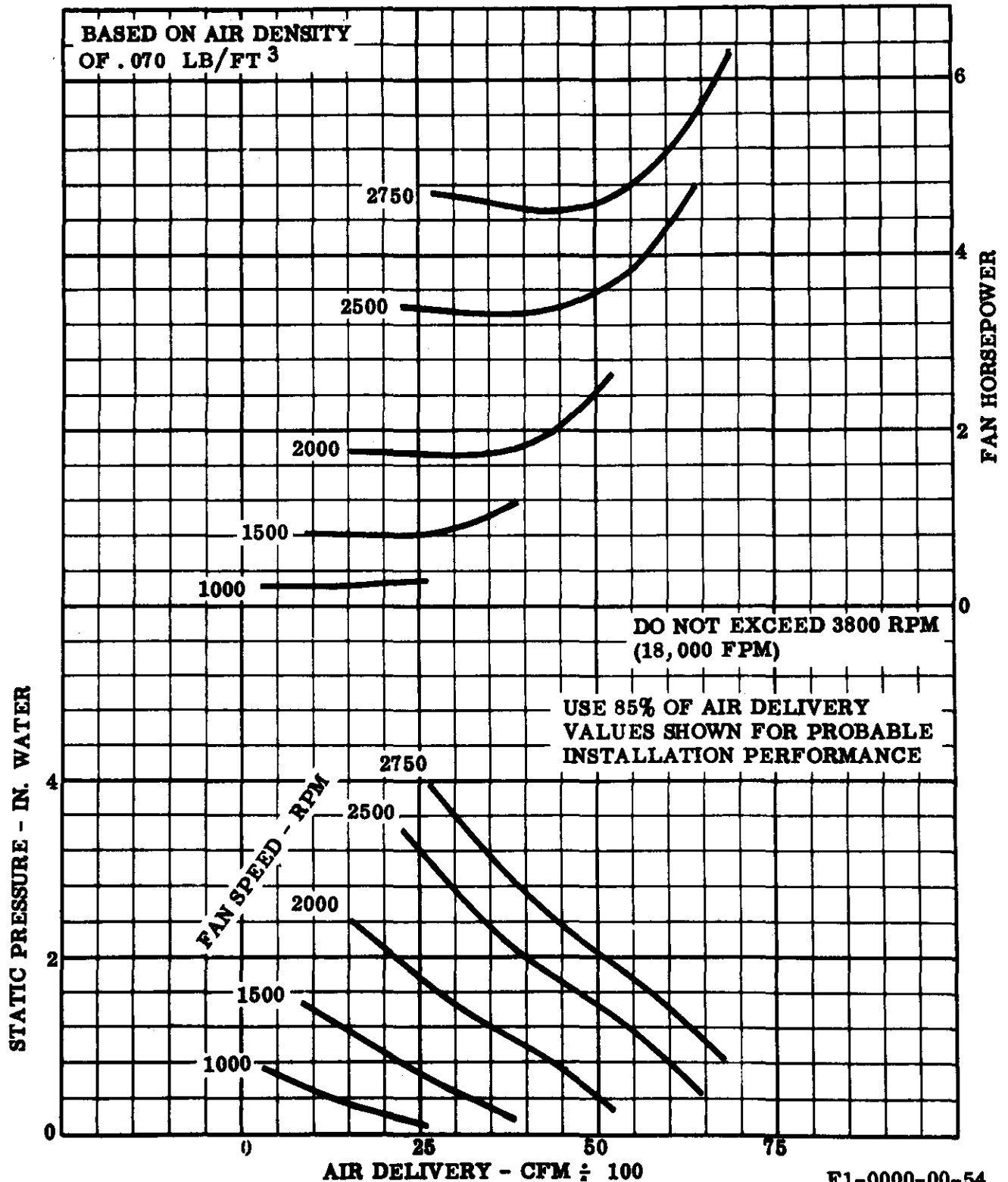


DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

FAN CHARACTERISTICS

18 INCH - 6 BLADE x 2 3/8 INCH PROJECTED WIDTH

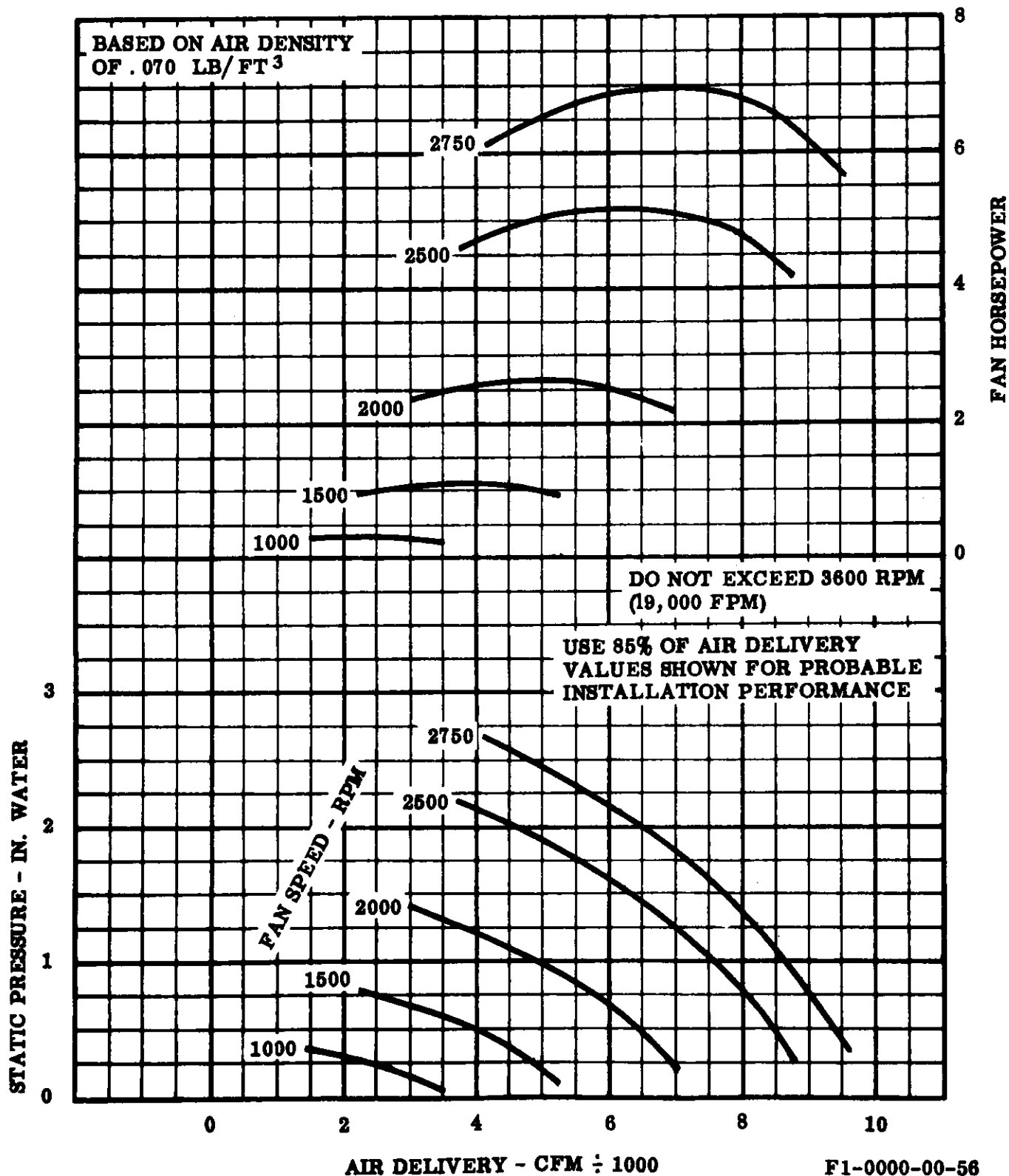




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

FAN CHARACTERISTICS
20 INCH - 6 BLADE x 2 1/4 INCH PROJECTED WIDTH

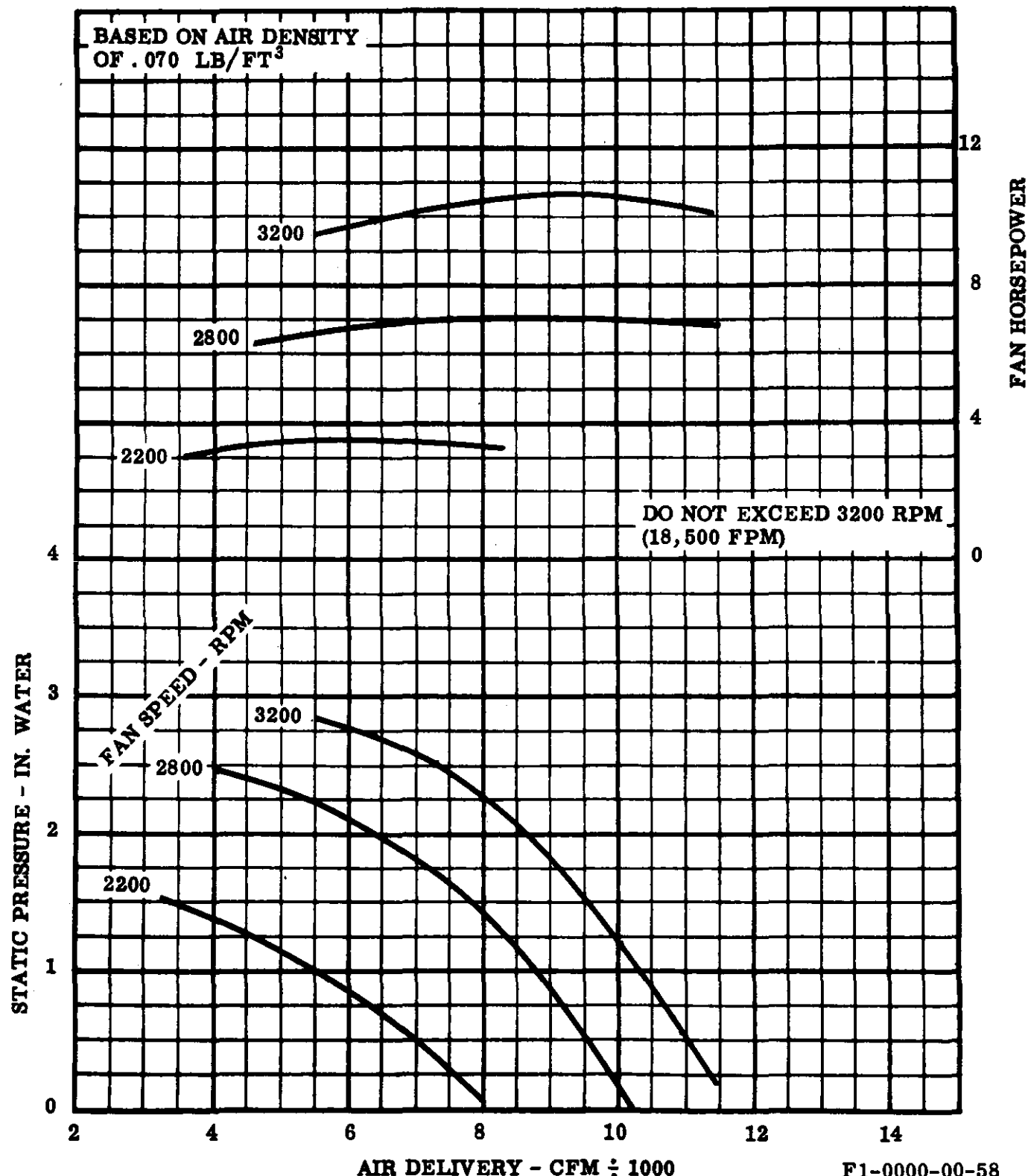




DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

FAN CHARACTERISTICS
22 INCH - 5 BLADE x 2 INCH PROJECTED WIDTH
PROBABLE INSTALLATION PERFORMANCE



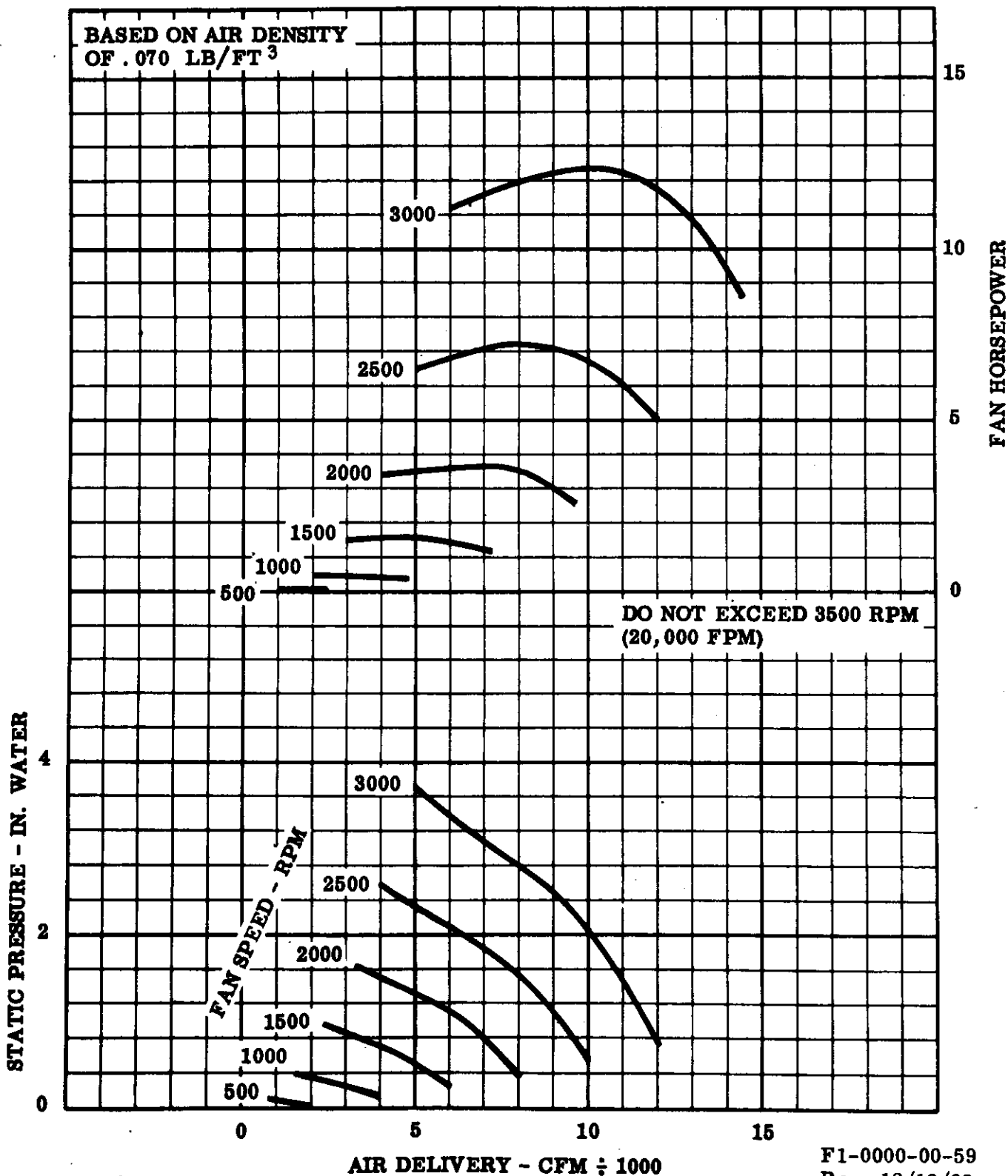


DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

FAN CHARACTERISTICS

22 INCH - 5 BLADE x 2 3/4 INCH PROJECTED WIDTH
PROBABLE INSTALLATION PERFORMANCE



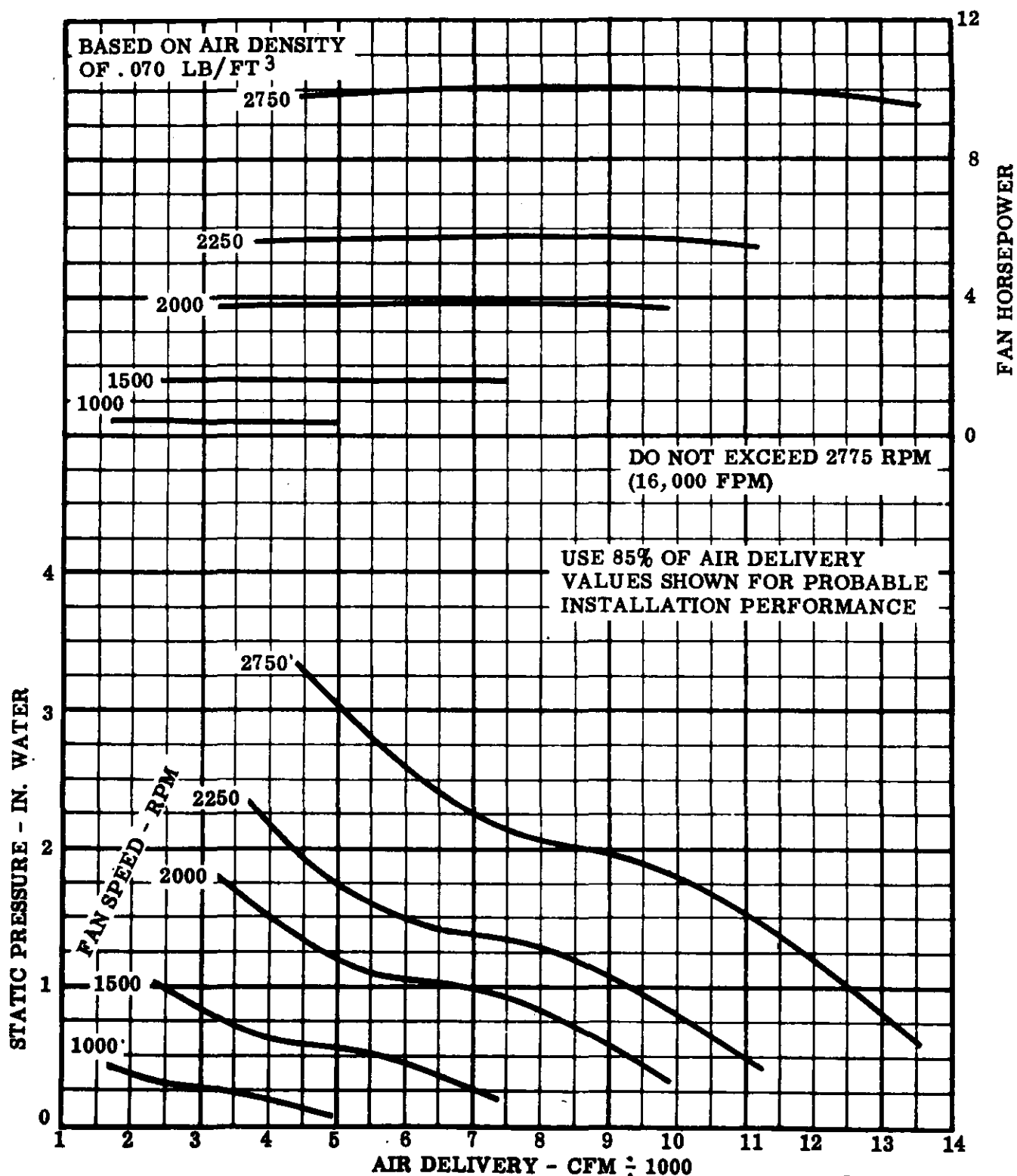


DETROIT DIESEL ENGINE DIVISION

GENERAL MOTORS CORPORATION

FAN CHARACTERISTICS

22 INCH - 6 BLADE x 2 3/8 INCH PROJECTED WIDTH



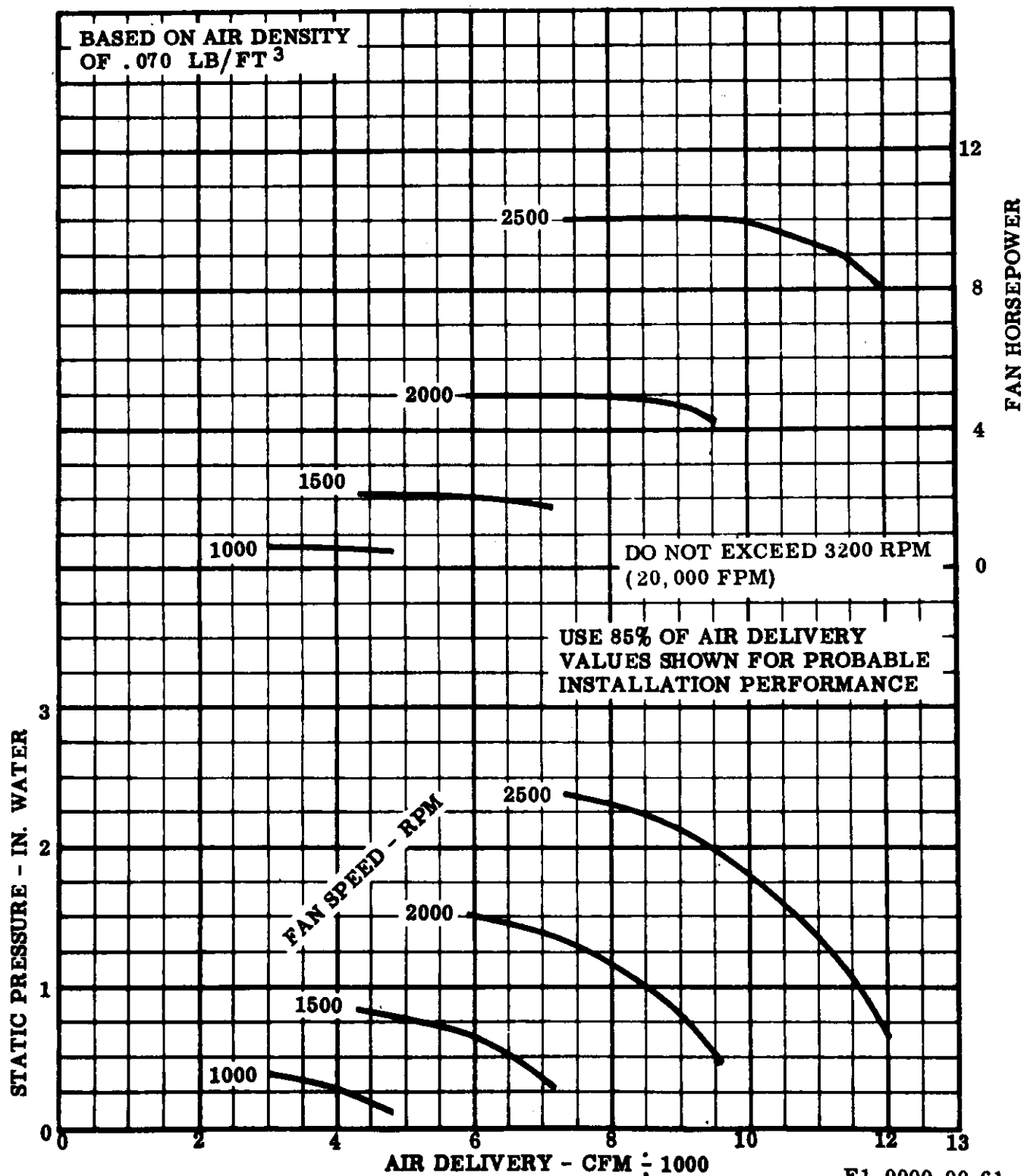


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FAN CHARACTERISTICS

24 INCH - 6 BLADE x 2 3/8 INCH PROJECTED WIDTH



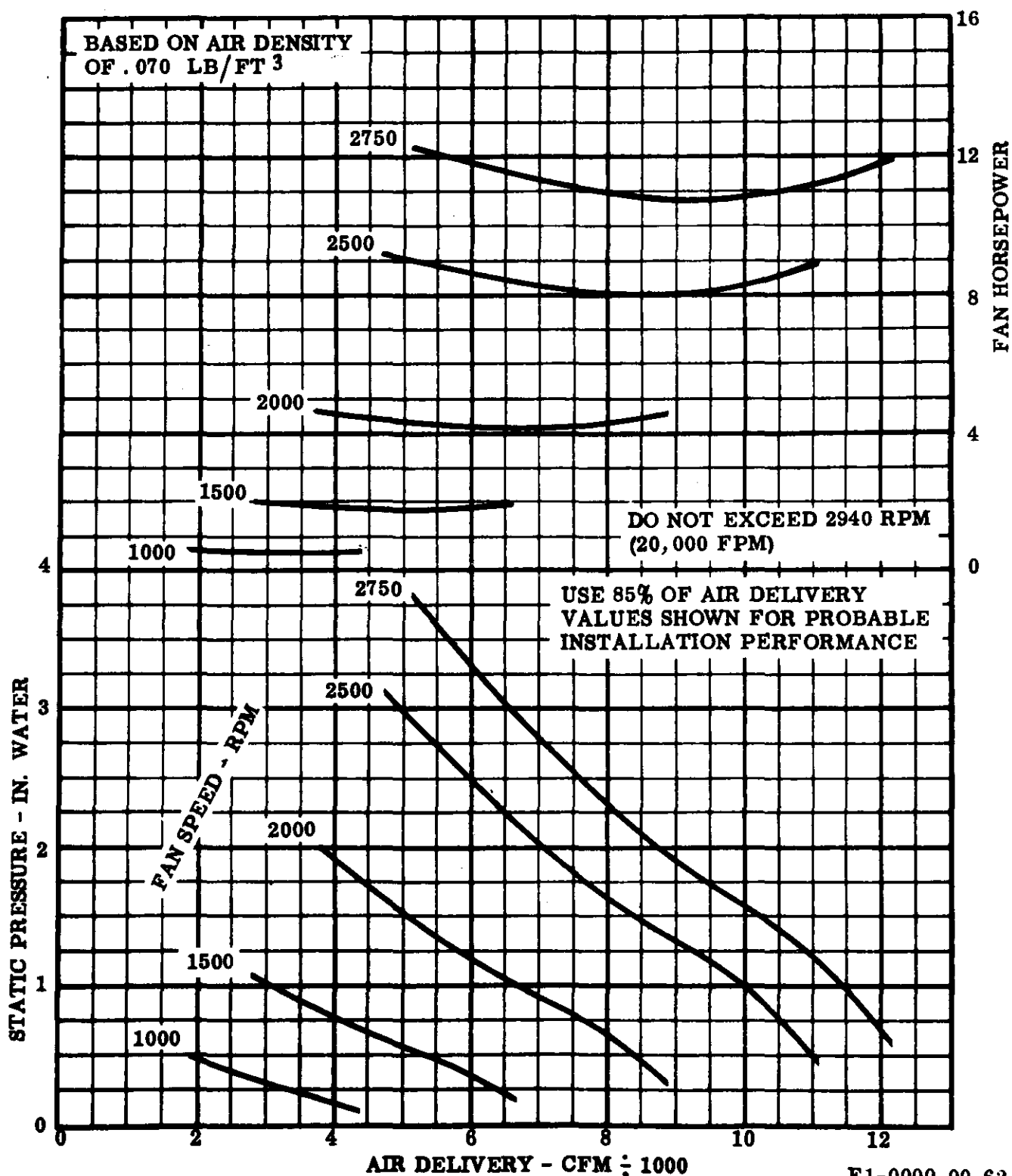


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GENERAL MOTORS CORPORATION

FAN CHARACTERISTICS

26 INCH - 4 BLADE x 2 3/8 INCH PROJECTED WIDTH





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GENERAL MOTORS CORPORATION

FAN CHARACTERISTICS
26 INCH - 4 BLADE x 2 1/2 INCH PROJECTED WIDTH

