

**M·A·N**



**D 0204 ME**

**66 kW (90 PS/HP)**



**4!**



**Bezeichnung:**

1200000

**Technische Beschreibung:**

**Bezeichnung des Bauteils:**

Ein Bauteil, das in der Zeichnung dargestellt ist, ist ein Bauteil, das in der Zeichnung dargestellt ist.

Die Zeichnung zeigt ein Bauteil, das in der Zeichnung dargestellt ist. Die Zeichnung zeigt ein Bauteil, das in der Zeichnung dargestellt ist. Die Zeichnung zeigt ein Bauteil, das in der Zeichnung dargestellt ist.

**Material:**

Stahl 1.4301 (AISI 304)

**Geometrische Abmessungen:**

120

100

**Herstellung:**

**Herstellung:**

Das Bauteil wird durch Drehen aus einem Rohling gefertigt. Die Zeichnung zeigt die geometrischen Abmessungen des Bauteils.

Die Zeichnung zeigt die geometrischen Abmessungen des Bauteils. Die Zeichnung zeigt die geometrischen Abmessungen des Bauteils. Die Zeichnung zeigt die geometrischen Abmessungen des Bauteils.

Die Zeichnung zeigt die geometrischen Abmessungen des Bauteils. Die Zeichnung zeigt die geometrischen Abmessungen des Bauteils. Die Zeichnung zeigt die geometrischen Abmessungen des Bauteils.

Das Bauteil wird durch Drehen aus einem Rohling gefertigt.



1. The relationship between temperature and the rate of photosynthesis is directly proportional. As temperature increases, the rate of photosynthesis also increases.

2. The relationship between temperature and the rate of respiration is directly proportional. As temperature increases, the rate of respiration also increases.

Temperature (°C)	Rate of Photosynthesis (mm <sup>3</sup> O <sub>2</sub> /min)	Rate of Respiration (mm <sup>3</sup> CO <sub>2</sub> /min)
10	1.0	0.5
20	2.0	1.0
30	3.0	1.5
40	4.0	2.0
50	5.0	2.5
60	6.0	3.0
70	7.0	3.5
80	8.0	4.0
90	9.0	4.5
100	10.0	5.0

1. The rate of photosynthesis increases with temperature up to 70°C, after which it decreases.

2. The rate of respiration increases with temperature up to 70°C, after which it decreases.

Temperature (°C)	Rate of Photosynthesis (mm <sup>3</sup> O <sub>2</sub> /min)	Rate of Respiration (mm <sup>3</sup> CO <sub>2</sub> /min)
10	1.0	0.5
20	2.0	1.0
30	3.0	1.5
40	4.0	2.0
50	5.0	2.5
60	6.0	3.0
70	7.0	3.5
80	6.0	3.0
90	5.0	2.5
100	4.0	2.0

1. The rate of photosynthesis increases with temperature up to 70°C, after which it decreases.

2. The rate of respiration increases with temperature up to 70°C, after which it decreases.

# M·A·N

## DIESELMOTOREN

Postfach 10100  
 D-68301 Mannheim 10  
 Telefon (0621) 94-1  
 Telex 8422 201

© 1978 MAN Maschinen- & Wagfabrik Aktiengesellschaft

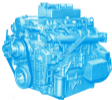
1	2	3	4	5	6	7	8	9				
100	120	150	180	200	220	240	260	280				





D 0226 HE

100 kW (136 PS/HP)



63

**Construction and type****Construction****Construction for ball-bearing drive (D 5021 98)**

A cast aluminium pulley is made without venting, manufactured with high-precision methods.  
 The technology enables the pulley to be made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Technical description**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Features**

High-precision pulley  
 High-precision pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction and description**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Technical data**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction details**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction and model****Construction for ball-bearing drive (D 5021 98)****Features**

High-precision pulley  
 High-precision pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction system**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Construction and technical system**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Technical system**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

**Applications**

Cast aluminium pulley  
 Cast aluminium pulley  
 The pulley is made in a wide range of sizes and allows a wide choice of pulley diameters. Large diameters are possible with the pulley wheel. An aluminium shell is not required.

### Technical Data

Height	240	240	240	240
Width	240	240	240	240
Weight	5.5 kg	5.5 kg	5.5 kg	5.5 kg
Construction	Steel	Steel	Steel	Steel
Construction material	Steel	Steel	Steel	Steel
Material	Steel	Steel	Steel	Steel
Material (approx.)	Steel	Steel	Steel	Steel
Material type	Steel	Steel	Steel	Steel
Material grade	Steel	Steel	Steel	Steel
Material class	Steel	Steel	Steel	Steel
Material standard	Steel	Steel	Steel	Steel
Material specification	Steel	Steel	Steel	Steel
Material approval	Steel	Steel	Steel	Steel
Material certificate	Steel	Steel	Steel	Steel
Material test report	Steel	Steel	Steel	Steel
Material test results	Steel	Steel	Steel	Steel
Material test certificate	Steel	Steel	Steel	Steel

- (1) The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel.
- (2) The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel.
- (3) The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel.
- (4) The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel.

### Technical Data

Height	240	240	240	240
Width	240	240	240	240
Weight	5.5 kg	5.5 kg	5.5 kg	5.5 kg
Construction	Steel	Steel	Steel	Steel
Construction material	Steel	Steel	Steel	Steel
Material	Steel	Steel	Steel	Steel
Material (approx.)	Steel	Steel	Steel	Steel
Material type	Steel	Steel	Steel	Steel
Material grade	Steel	Steel	Steel	Steel
Material standard	Steel	Steel	Steel	Steel
Material specification	Steel	Steel	Steel	Steel
Material approval	Steel	Steel	Steel	Steel
Material certificate	Steel	Steel	Steel	Steel
Material test report	Steel	Steel	Steel	Steel
Material test results	Steel	Steel	Steel	Steel
Material test certificate	Steel	Steel	Steel	Steel

- (1) The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel.
- (2) The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel.
- (3) The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel.
- (4) The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel. The construction is made of stainless steel.

# M·A·N

## DIESELMOTOREN

MANITEX AG  
 8200 München 90  
 Telefon (089) 30 94 1  
 Telex 5 200 000 MAN  
 Fern 5 200 000

MANITEX AG, München-Neubau, 8200



MANITEX AG  
 8200 München 90

MANITEX AG, München-Neubau, 8200  
 Telefon (089) 30 94 1  
 Telex 5 200 000 MAN  
 Fern 5 200 000



**M·A·N**  
MAN Energy Solutions

D 2000 M



Dizel Motora

**5**

Silindir



1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
 13  
 14  
 15  
 16  
 17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45  
 46  
 47  
 48  
 49  
 50  
 51  
 52  
 53  
 54  
 55  
 56  
 57  
 58  
 59  
 60  
 61  
 62  
 63  
 64  
 65  
 66  
 67  
 68  
 69  
 70  
 71  
 72  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84  
 85  
 86  
 87  
 88  
 89  
 90  
 91  
 92  
 93  
 94  
 95  
 96  
 97  
 98  
 99  
 100



**Modelo 8000 (1)**

Modelo de Motor de 8000 cc "D" fabricado em aço.

Motorização desenvolvida para aplicações em máquinas agrícolas, tratores, colheitadeiras, etc. Este motor possui um arranjo de válvulas em "D" e transmissão mecânica com eixo primário e secundário. Motor desenvolvido para aplicações em máquinas agrícolas, tratores, colheitadeiras, etc. Este motor possui um arranjo de válvulas em "D" e transmissão mecânica com eixo primário e secundário.

Este motor também pode ser utilizado em aplicações industriais, transportes, etc. Este motor possui um arranjo de válvulas em "D" e transmissão mecânica com eixo primário e secundário.

Este motor também pode ser utilizado em aplicações industriais, transportes, etc. Este motor possui um arranjo de válvulas em "D" e transmissão mecânica com eixo primário e secundário.

Este motor também pode ser utilizado em aplicações industriais, transportes, etc. Este motor possui um arranjo de válvulas em "D" e transmissão mecânica com eixo primário e secundário.

Este motor também pode ser utilizado em aplicações industriais, transportes, etc. Este motor possui um arranjo de válvulas em "D" e transmissão mecânica com eixo primário e secundário.

**Dados Gerais**

- Modelo: 8000
- Capacidade: 8000 cc
- Cilindros: 6
- Arranjo de Válvulas: "D"
- Transmissão: Mecânica
- Eixo Primário: 1
- Eixo Secundário: 1
- Velocidade Máxima: 2000 rpm
- Consumo Médio: 150 g/kwh
- Consumo Máximo: 180 g/kwh
- Consumo Mínimo: 120 g/kwh
- Consumo em Carga: 140 g/kwh
- Consumo em Vazio: 100 g/kwh
- Consumo em Sobrecarga: 160 g/kwh
- Consumo em Parada: 80 g/kwh
- Consumo em Arranque: 200 g/kwh
- Consumo em Operação: 140 g/kwh
- Consumo em Manutenção: 100 g/kwh
- Consumo em Transporte: 120 g/kwh
- Consumo em Armazenamento: 100 g/kwh
- Consumo em Descarga: 140 g/kwh
- Consumo em Recarga: 160 g/kwh
- Consumo em Operação: 140 g/kwh
- Consumo em Manutenção: 100 g/kwh
- Consumo em Transporte: 120 g/kwh
- Consumo em Armazenamento: 100 g/kwh
- Consumo em Descarga: 140 g/kwh
- Consumo em Recarga: 160 g/kwh

- 1. Motor
- 2. Transmissão
- 3. Eixo Primário
- 4. Eixo Secundário
- 5. Válvulas
- 6. Pistões
- 7. Manivelas
- 8. Correas
- 9. Rolamentos
- 10. Buchchas
- 11. Parafusos
- 12. Molas
- 13. Anéis
- 14. Escovas
- 15. Bobinas
- 16. Velas
- 17. Bombas
- 18. Motores
- 19. Sensores
- 20. Atuadores
- 21. Válvulas
- 22. Bombas
- 23. Motores
- 24. Sensores
- 25. Atuadores
- 26. Válvulas
- 27. Bombas
- 28. Motores
- 29. Sensores
- 30. Atuadores
- 31. Válvulas
- 32. Bombas
- 33. Motores
- 34. Sensores
- 35. Atuadores
- 36. Válvulas
- 37. Bombas
- 38. Motores
- 39. Sensores
- 40. Atuadores
- 41. Válvulas
- 42. Bombas
- 43. Motores
- 44. Sensores
- 45. Atuadores
- 46. Válvulas
- 47. Bombas
- 48. Motores
- 49. Sensores
- 50. Atuadores
- 51. Válvulas
- 52. Bombas
- 53. Motores
- 54. Sensores
- 55. Atuadores
- 56. Válvulas
- 57. Bombas
- 58. Motores
- 59. Sensores
- 60. Atuadores
- 61. Válvulas
- 62. Bombas
- 63. Motores
- 64. Sensores
- 65. Atuadores
- 66. Válvulas
- 67. Bombas
- 68. Motores
- 69. Sensores
- 70. Atuadores
- 71. Válvulas
- 72. Bombas
- 73. Motores
- 74. Sensores
- 75. Atuadores
- 76. Válvulas
- 77. Bombas
- 78. Motores
- 79. Sensores
- 80. Atuadores
- 81. Válvulas
- 82. Bombas
- 83. Motores
- 84. Sensores
- 85. Atuadores
- 86. Válvulas
- 87. Bombas
- 88. Motores
- 89. Sensores
- 90. Atuadores
- 91. Válvulas
- 92. Bombas
- 93. Motores
- 94. Sensores
- 95. Atuadores
- 96. Válvulas
- 97. Bombas
- 98. Motores
- 99. Sensores
- 100. Atuadores



Este motor também pode ser utilizado em aplicações industriais, transportes, etc. Este motor possui um arranjo de válvulas em "D" e transmissão mecânica com eixo primário e secundário.

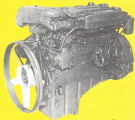
**M·A·N**  
MANITEX CORPORATION

© 2004 MANITEX

**5**

Cilindr

Diesel Motors





### Motori Diesel Fiat

#### 5000 cc DIESEL ENGINE FOR MOTOR VEHICLES

Questo motore, progettato per un consumo ridotto, produce una coppia utile alta anche a bassi giri. Per questo, viene utilizzato nei mezzi agricoli, nei trattori, nelle macchine per il cantiere edile, nelle macchine per il trasporto, nelle macchine per il riscaldamento, nelle macchine per la lavorazione del legno, nelle macchine per la lavorazione del metallo, nelle macchine per la lavorazione del gomma, nelle macchine per la lavorazione del tessile, nelle macchine per la lavorazione della carta, nelle macchine per la lavorazione della plastica, nelle macchine per la lavorazione della ceramica, nelle macchine per la lavorazione della vetro, nelle macchine per la lavorazione della gomma, nelle macchine per la lavorazione della plastica, nelle macchine per la lavorazione della ceramica, nelle macchine per la lavorazione della vetro.

Il motore è adatto per applicazioni in tutti i settori, dalla agricoltura all'industria, dalla edilizia all'automazione, dalla trazione all'azionamento, dalla propulsione alla generazione di energia.

Il motore è progettato per funzionare in modo silenzioso e a basso consumo. È disponibile in versioni da 5000 cc a 10000 cc, con potenze da 100 CV a 400 CV. Il motore è adatto per applicazioni in tutti i settori, dalla agricoltura all'industria, dalla edilizia all'automazione, dalla trazione all'azionamento, dalla propulsione alla generazione di energia.

Il motore è progettato per funzionare in modo silenzioso e a basso consumo. È disponibile in versioni da 5000 cc a 10000 cc, con potenze da 100 CV a 400 CV. Il motore è adatto per applicazioni in tutti i settori, dalla agricoltura all'industria, dalla edilizia all'automazione, dalla trazione all'azionamento, dalla propulsione alla generazione di energia.

Il motore è progettato per funzionare in modo silenzioso e a basso consumo. È disponibile in versioni da 5000 cc a 10000 cc, con potenze da 100 CV a 400 CV. Il motore è adatto per applicazioni in tutti i settori, dalla agricoltura all'industria, dalla edilizia all'automazione, dalla trazione all'azionamento, dalla propulsione alla generazione di energia.

#### Motori Diesel

Modello	5000 cc
Potenza (CV)	100 - 400
Consumo (litri/100 km)	200 - 300
Velocità (km/h)	30 - 40
Prezzo (€)	10000 - 20000
Garanzia (anni)	3
Manutenzione (ore/anno)	100
Accessori	1000
Dimensioni (mm)	1000 x 1000 x 1000
Colore	Nero
Materiali	Acciaio

Modello	5000 cc
Potenza (CV)	100 - 400
Consumo (litri/100 km)	200 - 300
Velocità (km/h)	30 - 40
Prezzo (€)	10000 - 20000
Garanzia (anni)	3
Manutenzione (ore/anno)	100
Accessori	1000
Dimensioni (mm)	1000 x 1000 x 1000
Colore	Nero
Materiali	Acciaio



Per saperne di più sui nostri prodotti, visitate il nostro sito web.



Inviato in Fig. 45

Fiat - Fiat - Fiat

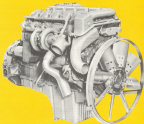
Fiat - Fiat - Fiat

Fiat - Fiat - Fiat



**D 2056 MP**

**235 kW (320 PS / HP)**





## Model

### Background

### Event Simulation with ANSYS Fluent

In this tutorial, you will learn how to set up a transient simulation of a turbine engine. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.

### Model Setup

The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.

The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.

### Results

The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.

### Model Setup

#### Background

### Event Simulation with ANSYS Fluent

The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.

The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.

#### Model Setup

The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.

The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.

The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.

#### Results

The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent. The simulation will be performed using ANSYS Fluent.



#### Problem 10.10

10.10 A spring is stretched by a force of 100 N. The displacement of the spring is 0.1 m. The spring constant is 1000 N/m. The work done by the spring is 5 J. The potential energy stored in the spring is 5 J. The kinetic energy of the spring is 0 J. The total energy of the spring is 5 J.

10.11 A spring is stretched by a force of 100 N. The displacement of the spring is 0.1 m. The spring constant is 1000 N/m. The work done by the spring is 5 J. The potential energy stored in the spring is 5 J. The kinetic energy of the spring is 0 J. The total energy of the spring is 5 J.

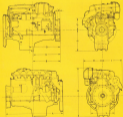
#### Problem 10.11

10.11 A spring is stretched by a force of 100 N. The displacement of the spring is 0.1 m. The spring constant is 1000 N/m. The work done by the spring is 5 J. The potential energy stored in the spring is 5 J. The kinetic energy of the spring is 0 J. The total energy of the spring is 5 J.

10.12 A spring is stretched by a force of 100 N. The displacement of the spring is 0.1 m. The spring constant is 1000 N/m. The work done by the spring is 5 J. The potential energy stored in the spring is 5 J. The kinetic energy of the spring is 0 J. The total energy of the spring is 5 J.

10.13 A spring is stretched by a force of 100 N. The displacement of the spring is 0.1 m. The spring constant is 1000 N/m. The work done by the spring is 5 J. The potential energy stored in the spring is 5 J. The kinetic energy of the spring is 0 J. The total energy of the spring is 5 J.

A	B	C	D	E	F	G	H	I	J	K	L			
1000,8	870,8	1000,2	1000,0	10,00	207	274	400	400	1000	870,8				





**M·A·N**



**D 2266 MLE**  
**250kW(340 PS/HP)**



**6**





1. The straight line represents constant velocity.  
 2. The curve represents constant acceleration.  
 3. The area under the straight line is the distance traveled.  
 4. The area under the curve is the distance traveled.



1. The curve represents constant acceleration.  
 2. The area under the curve is the distance traveled.

1. The curve represents constant acceleration.

1. The curve represents constant acceleration.

1. The curve represents constant acceleration.

1. The curve represents constant acceleration.

The area under the curve is the distance traveled.



1. The curve represents constant acceleration.  
 2. The area under the curve is the distance traveled.

1. The curve represents constant acceleration.

1. The curve represents constant acceleration.

1. The curve represents constant acceleration.

1. The curve represents constant acceleration.

The area under the curve is the distance traveled.

# M·A·N

## DIESELMOTOREN

Mercedes-Benz AG  
 Mercedes-Benz AG  
 Mercedes-Benz AG  
 Mercedes-Benz AG  
 Mercedes-Benz AG

© 1998 Mercedes-Benz AG, Stuttgart, Germany. All Rights Reserved.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
1000	1100	1200	1300	1400	1500	1600							



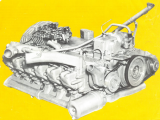
**M·A·N**  
MAN TRUCKS

D 2566 M1H

Diesel Motors

**6**

Cylinder





# M·A·N

## D 2040 ME



200 kW (265 HP)



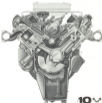
200 kW (265 HP)

### Specifications

For more information, contact your MAN Diesel representative or the distributor nearest you.

The MAN D 2040 ME is a 4-cylinder, 4-stroke, turbocharged diesel engine with a displacement of 20.4 liters. It is designed for marine and industrial applications. The engine features a cast iron block and cylinder head, and is equipped with a turbocharger and intercooler. It has a maximum power output of 200 kW (265 HP) at 1500 rpm. The engine is also available in a 10V configuration, which is a 10-cylinder, 4-stroke, turbocharged diesel engine with a displacement of 10.2 liters. It is designed for marine and industrial applications. The engine features a cast iron block and cylinder head, and is equipped with a turbocharger and intercooler. It has a maximum power output of 200 kW (265 HP) at 1500 rpm.

MAN Diesel is a leading manufacturer of diesel engines for marine and industrial applications. The company has a long history of innovation and reliability, and its engines are known for their performance and durability. The MAN D 2040 ME is a testament to the company's commitment to excellence in engine design and manufacturing.



10V

**Technische Zeichnung**

Blatt: 1  
 Blattzahl: 1  
 Maßstab: 1:1  
 Datum: 12.05.2012  
 Zeichner: M. Müller  
 Geprüft: M. Müller

Material	Maße	Maße	Maße	Maße	Maße
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100

Die Zeichnung ist ein technisches Zeichnung.  
 Sie zeigt die Details eines Bauteils.  
 Die Maße sind in mm angegeben.  
 Das Material ist Stahl S235.



**Technische Zeichnung**

Blatt: 1  
 Blattzahl: 1  
 Maßstab: 1:1  
 Datum: 12.05.2012  
 Zeichner: M. Müller  
 Geprüft: M. Müller

Material	Maße	Maße	Maße	Maße	Maße
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100
Stahl S235	100	100	100	100	100

Die Zeichnung ist ein technisches Zeichnung.  
 Sie zeigt die Details eines Bauteils.  
 Die Maße sind in mm angegeben.  
 Das Material ist Stahl S235.



# M·A·N

## D 2540 MTE



323 kW (440 HP)



321 kW (438 HP)



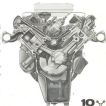
320 kW (436 HP)

### Spezifikation

Die Daten der einzelnen Bauelemente sind in den technischen Zeichnungen angegeben.

Die angegebenen Leistungen sind unter Standardbedingungen (ISO 3081) angegeben. Die tatsächlichen Leistungen sind von den tatsächlichen Betriebsbedingungen abhängig. Die angegebenen Leistungen sind unter Berücksichtigung der folgenden Faktoren zu verstehen: 1. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 2. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 3. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 4. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 5. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 6. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 7. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 8. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 9. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 10. Die Leistung wird bei einer Drehzahl von 1800/min gemessen.

Die angegebenen Leistungen sind unter Standardbedingungen (ISO 3081) angegeben. Die tatsächlichen Leistungen sind von den tatsächlichen Betriebsbedingungen abhängig. Die angegebenen Leistungen sind unter Berücksichtigung der folgenden Faktoren zu verstehen: 1. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 2. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 3. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 4. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 5. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 6. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 7. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 8. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 9. Die Leistung wird bei einer Drehzahl von 1800/min gemessen. 10. Die Leistung wird bei einer Drehzahl von 1800/min gemessen.



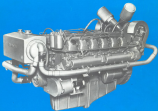
# 10 v



**M·A·N**



**D 2842 MTE**  
**405 kW (550 PS/HP)**



**12V**





# M·A·N

## DIESELMOTOREN

PLATZ 44 67 00  
D-68303 Mannheim  
FAX 0621 2737 1  
TELE 0621 273 257

TELEFON 0621 273 2424 2425 2426 2427 2428

12	16	20	26																
1000	1200	1400	1600																



# M·A·N

Series S Diesel  
D 2842 LE, 250 HP  
Power 2200 mm

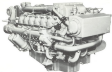


D 2842 MLE

**470 kW (650 PS/HP)**



**12V**



**Bezeichnung des Bauteils**

**Codebauteil**

**Technische Beschreibung**

**Abmessungen**

**Material des Bauteils**

**Farbe**

**Spezifikation**

**Abmessungen**

**Abmessungen des Bauteils in mm**

Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung. Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung.

Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung. Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung. Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung.

Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung.

**Abmessungen des Bauteils in mm**

Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung. Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung.

Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung. Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung. Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung.

Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung. Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung.

Die Abmessungen des Bauteils sind in der technischen Zeichnung angegeben und entsprechen den Angaben in der technischen Zeichnung.





1. The slope of the line is constant, indicating constant velocity.  
 2. The slope of the curve increases over time, indicating constant acceleration.

Table 1: Data for the straight line graph.

Time (s)	Distance (m)
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10

Table 2: Data for the curved graph.

Time (s)	Distance (m)
0	0
1	0.5
2	2
3	4.5
4	8
5	12.5
6	18
7	24.5
8	32
9	40.5
10	50

The straight line represents constant velocity, while the curve represents constant acceleration. The slope of the curve increases as time increases, which is characteristic of constant acceleration.

Table 3: Additional data for the straight line graph.

Time (s)	Distance (m)
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20

Table 4: Additional data for the curved graph.

Time (s)	Distance (m)
21	60.5
22	72
23	84.5
24	98
25	112.5
26	128
27	144.5
28	162
29	180.5
30	200

The data points for the curved graph show a clear quadratic relationship between time and distance, further confirming constant acceleration. The slope of the curve continues to increase as time progresses.

# M·A·N DIESELMOTOREN

Wolfsburg 34 81100  
Carlson-Strasse 48  
Telefon 05301 214-1  
Telefax 05301 214-20

Hersteller: MAN Diesel AG, 34109 Kassel

g	h	i	k								
1200	1300	1500	1800								

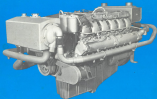


**M·A·N**



**D 2042 ME**

**338 kW (460 PS/HP)**



**12V**



**Integrating Model**  
**Integrating Model**

**Integrating Model**

**Integrating Model**

**Integrating Model**

**Integrating Model**

**Integrating Model**

**Integrating Model**

**Integrating Model**

Integrating Model... (faded text)

Integrating Model... (faded text)

Integrating Model... (faded text)

**Integrating Model**

**Integrating Model**

Integrating Model... (faded text)

Integrating Model... (faded text)

**Integrating Model**

100

100



- [unclear]
- [unclear]
- [unclear]

CC

Problem 10.10 (continued)

Y	0	1	2	3	4	5	6	7	8	9	10
X	0	1	2	3	4	5	6	7	8	9	10
Y	0	1	2	3	4	5	6	7	8	9	10
X	0	1	2	3	4	5	6	7	8	9	10
Y	0	1	2	3	4	5	6	7	8	9	10
X	0	1	2	3	4	5	6	7	8	9	10
Y	0	1	2	3	4	5	6	7	8	9	10
X	0	1	2	3	4	5	6	7	8	9	10

10.10 (continued)

CC

Y	0	1	2	3	4	5	6	7	8	9	10
X	0	1	2	3	4	5	6	7	8	9	10
Y	0	1	2	3	4	5	6	7	8	9	10
X	0	1	2	3	4	5	6	7	8	9	10
Y	0	1	2	3	4	5	6	7	8	9	10
X	0	1	2	3	4	5	6	7	8	9	10
Y	0	1	2	3	4	5	6	7	8	9	10
X	0	1	2	3	4	5	6	7	8	9	10

10.10 (continued)

