

ENGINE PROGRAMME UP TO 60 kW – 80 HP

HATZ

Compact Engines



The objective for design and development of HATZ is the achievement of the following characteristics, which are distinguishing features of each and every HATZ engine.

Economical

The economic characteristics favour the economy of HATZ engines.

The excellent fuel consumption and the uncomplicated engine fit.

Reliable

HATZ engines are produced to give the highest standards of operational safety under the most severe climatic conditions. The reliability confirmed by the consistency of its operation - quality focused on the full range of engines.

HATZ engines are famous for their safe development strategy for applications.

Robust and Indestructible

HATZ engines are designed for durability and reliability. This is guaranteed by numerous quality control steps during production. HATZ engines are designed to give the greatest and maximum use possible for the engine and its components.

Universally applicable

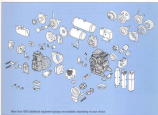
The variety of applications of HATZ engines proves the excellent adaptability of the engine. The compact and easy-to-install design, the mounting provisions, the possibilities and a full complement of additional equipment offers a solution for each and every application.

Ecological

For years HATZ has pioneered the development of technologies which are friendly to the environment and require no addition of water and which give excellent HATZ engine equipment for additional requirements.



HATZ DIESEL
IN EVERY CASE -
THE BETTER CHOICE



Wärtsilä 120 additional equipment groups are available, depending on your choice.

Output selection

We will always select the highest possible specifications if requested by customer and estimate that the engine will operate with the extra demands. It is important that you specify correct RPM, operating hours and power factor when you order an engine to avoid technical problems.

Calculation of necessary engine output (P_e)

The superimposition of the above factors will affect the superimposed, the engine will include the superimposed factors which are the environmental factors, which are the environmental factors, which are the environmental factors, which are the environmental factors.

		Example						
P _e	1. Power requirement	P ₁ = 1000 kW						
	2. Diesel engine	P ₂ = 1000 kW						
P ₁	3.1. 100% load factor	K ₁ = 1.00						
	3.2. 100% RPM	K ₂ = 1.00						
	3.3. 100% operating hours	K ₃ = 1.00						
	3.4. 100% power factor	K ₄ = 1.00						
P ₂	4.1. 1.00	K ₅ = 1.00						
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2000-2800-3200H Die Challenges, compact, light, quiet, and universally applicable

Developed for applications:
Power generation, Earth Care System (ECS)

Model	Rated Power (kW)	Rated RPM	Stroke (mm)	Connecting Rod Length (mm)	Weight (kg)
2000	100	1500	100	200	200
2800	140	1500	110	210	280
3200H	160	1500	110	200	280



3-170 The approved small Diesel

Manufactured worldwide.
Developed and tested for:
Contract power generation

Model	Rated Power (kW)	Rated RPM	Stroke (mm)	Connecting Rod Length (mm)	Weight (kg)
3-170	100	1500	110	200	160



3-170-3-175 A symbol for Class-leading performance

Low emissions, fuel economy,
Developed and tested for:
Contract power generation

Model	Rated Power (kW)	Rated RPM	Stroke (mm)	Connecting Rod Length (mm)	Weight (kg)
3-170	100	1500	110	200	160
3-175	100	1500	110	200	160



1800-1800A-2-2-1/2-2000A-2-2000A-2 Revolutionary technology for single-cylinder Diesel engines

Developed and tested for: Power generation
100% over 100% in 100% time saving applications

Model	Rated Power (kW)	Rated RPM	Stroke (mm)	Connecting Rod Length (mm)	Weight (kg)
1800	100	1500	110	200	160
1800A	100	1500	110	200	160
2-2	100	1500	110	200	160



The objective for design and development of HATZ is the achievement of the following characteristics, which are distinguishing features of each and every HATZ engine.

Economical

The economic characteristics feature the economy of HATZ engines.

The economy has consumption and the recuperating engine life.

Reliable

HATZ engines are produced to high standards of reliability under the most demanding conditions. The working conditions in the construction of a machine - quality of work or time or type of machine.

HATZ engines are famous for their safe development of extremely low temperatures.

Robust and Interchangeable

HATZ engines developed in their own production. This is guaranteed by excellent quality control during production. HATZ engines are produced in a way that machine and maintenance problems free the operator and operator.

Universally applicable

The variety of applications of HATZ engines prove the successful achievement of its use. The compact and easy-to-maintain, the excellent power-to-weight ratio and a low price range of additional equipment offer a solution to each and every application.

Ecological

For years HATZ has directed the development of their engines with an eye to the environment and regard to safety. HATZ uses and advances engine technology to meet the highest environmental requirements.



HATZ-DIESEL
IN EVERY CASE -
THE BETTER CHOICE



2000 - 2000 1/2 - 2000 2 1/2 M2-04 - conventional technology for single-cylinder Diesel engines

According to the following Power Package:
 The following table shows the dimensions in inches.

Power kW	Power HP	Height mm	Dimensions mm		
			Length	Width	Depth
1000	137	227	300	100	224
1500	203	275	300	100	254
2000	271	322	310	100	284

Fig. 2 Efficiency in 2000 2 1/2



2 1/2 40 A 2-cylinder Power Package

According to the following Power Package:
 The following table shows the dimensions in inches.

Power kW	Power HP	Height mm	Dimensions mm		
			Length	Width	Depth
1120	151	304	300	100	300

Fig. 2 Efficiency in 2 1/2 40



2 160 A special 2-cylinder engine

Special engine.
 According to the following
 Power Package:

Power kW	Power HP	Height mm	Dimensions mm		
			Length	Width	Depth
1100	148	304	310	100	300

Fig. 2 Efficiency in 2 160



2 • 2 = 4 04 Simplified multi-cylinder engine series modular design

The following table shows the dimensions in inches.
 The following table shows the dimensions in inches.

Power kW	Power HP	Height mm	Dimensions mm		
			Length	Width	Depth
1000	137	200	310	110	200
1500	203	250	310	110	250
2000	271	300	320	110	300

Fig. 2 Efficiency in 2 • 2 = 4 04





The HITEC – Silent Pack is the quietest engine for equipment installation in the class – and it's ready for immediate application.



2011E-2048E

The 2011E series is the first engine-generators series in the world to feature both all-in-one and independent generator options. Formed in a compact 2000 mm.

Engine Size	Rated Power (kW)	Rated Hz	Generator Capacity (kW)	Height
2011E	11	50	10	200
2048E	4.8	50	5	200



2200C-2288E

The 2200C series is the first engine-generators series in the world to feature both all-in-one and independent generator options. Formed in a compact 2000 mm.

Engine Size	Rated Power (kW)	Rated Hz	Generator Capacity (kW)	Height
2200C	22	50	20	200
2288E	8	50	8	200



The star of the range: the SILENT PACK 2712E-2760E

Available with 120V or 240V.
Formed in 2000 mm.

Engine Size	Rated Power (kW)	Rated Hz	Generator Capacity (kW)	Height
2712E	12	50	12	200
2760E	6	50	6	200
2760E	6	60	6	200



THIS IS HATZ-DIESEL



International HATZ

- Increase manufacturing performance: type of product, Distribution, Service, Markets
- Increase operational efficiency: turn, process, equipment
- Increase modern production facilities

and increase quality performance of the highest standard

- Increase productivity through: innovation, technology, efficiency, investment and development, cost
- Offer high quality, integrated, policy of working conditions, for better quality of their workers.

HATZ services

- The optimum availability of spare parts
- Particularly reduced emissions
- Increase safety/comfort
- Greater freedom to serve the customer



HATZ GROUP is a leading engine manufacturer, serving customers in 100 countries. HATZ is a member of the HATZ GROUP.

