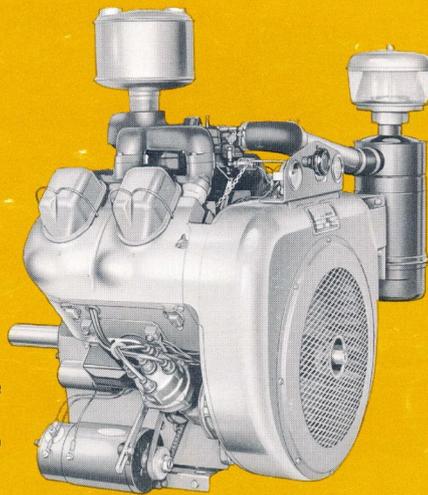




WISCONSIN
is on the move!

W I S C O N S I N



4-Cycle
Singles — Twins — and V-4's
6 to 65.9 hp

Your
foremost source
of heavy-duty,
air-cooled
2-cycle,
4-cycle and
diesel engines
— from 1.5 to
70 hp.



2-Cycle
Singles — Twins — and Three-Cylinder
for Snowmobiles and Terrain Vehicles
12.5 to 70 hp
Industrial Singles
Horizontal or Vertical Shaft
1.5 to 10.5

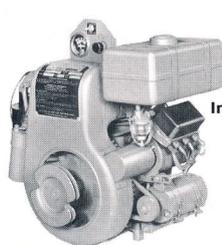


4-Cycle Diesels
Singles — Twins — Three-
and Four-Cylinder
3 to 62 hp



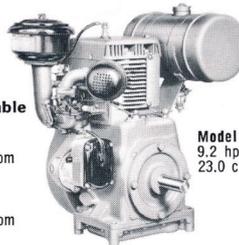
CHOOSE FROM INDUSTRY'S MOST COMPLETE LINE OF HEAVY-DUTY, AIR-COOLED 4-CYCLE ENGINES

Wisconsin has the right engine for your requirements from 6 to 65.9 hp. All models are built to the same rigid quality standards — to provide the most hp hours of use with minimum wear, upkeep and downtime. They are normally furnished to burn gasoline but can be equipped to burn LPG, natural gas, kerosene or fuel oil of 35 Octane rating or better. Wisconsin also offers you six sets of interchangeable models to upgrade power on your assembly line, or in the field — and to simplify servicing as well as parts and engine inventory. Models shown and characteristics listed are for gasoline engines.

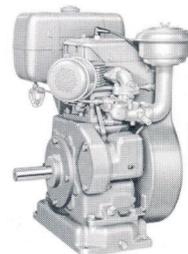


Interchangeable

Model ACN
6 hp 3600 rpm
14.9 cu. in.
and
Model BKN
7 hp 3600 rpm
17.8 cu. in.

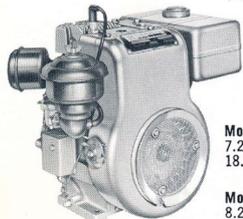


Model AENL
9.2 hp 3600 rpm
23.0 cu. in.



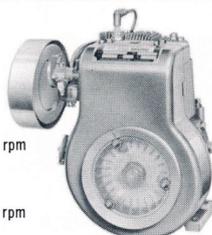
Model AGND
12.5 hp 3200 rpm
38.5 cu. in.

Four Small Frame Cast Iron Interchangeables



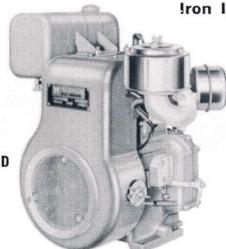
Model S-7D
7.25 hp 3600 rpm
18.6 cu. in.

Model S-8D
8.25 hp 3600 rpm
20.2 cu. in.



Model TRA-10D
10.1 hp 3600 rpm
22.05 cu. in.

NEW Model TRA-12D
12 hp 3600 rpm
27.66 cu. in.
with solid state
ignition standard.



Model S-10D
10.5 hp 3600 rpm
24.89 cu. in.

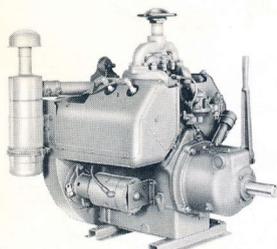
Model S-12D
12.5 hp 3600 rpm
28.86 cu. in.

**Model S-14D
and Balanced
Model CB-14D**
14.1 hp 3600 rpm
33.1 cu. in.

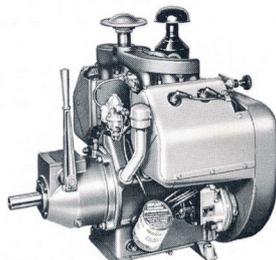


**Interchangeable
Twins**

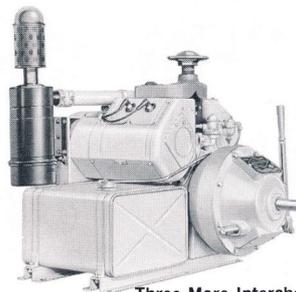
**Model THD
and Balanced
Model TJD**
18 hp 3600 rpm
53.9 cu. in.



Model VF4D
25 hp 2400 rpm
107 cu. in.

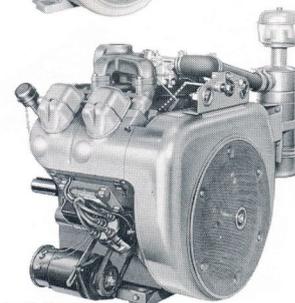


Model VH4D
30 hp 2800 rpm
107 cu. in.



Model VG4D
37 hp 2400 rpm
154 cu. in.

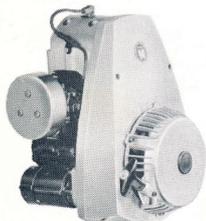
Three More Interchangeable V-4's



Model V-461D — 60.5 hp 3000 rpm
154 cu. in. and
Model V-465D — 65.9 hp 3000 rpm
177 cu. in.

PRIME 2-CYCLE POWER FOR SNOWMOBILES AND TERRAIN VEHICLES

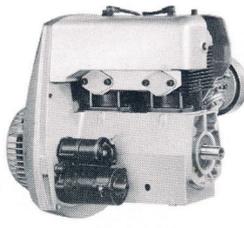
Wisconsin Motor has exclusive sales and service rights to the world-famous line of Hirth 2-cycle engines — single-, two- and three-cylinder models, 12.5 hp to 70 hp, 246 cc to 793 cc. Prized by snowmobilers, the aircraft-quality engines hold most of the world records for speed and endurance.



Five Singles
12.5 hp to 23 hp
246 cc to 372 cc



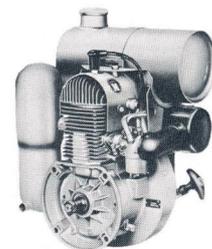
Opposed Twin
24 hp 493 cc



Three In-Line Twins
21.5 hp to 36 hp
399 cc to 634 cc



**New
Three-Cylinder
Model
70 hp
793 cc**



2-Cycle Industrial Engines

Seven Models — Single-Cylinder
1.5 hp to 10.5 hp 60 cc to 300 cc
Horizontal and Vertical Shaft

WISCONSIN MOTOR AWARDED EXCLUSIVE REPRESENTATION IN NORTH AMERICA

FOR **HATZ**

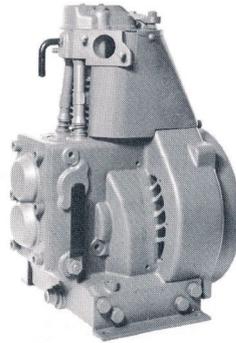
4-CYCLE DIESELS 3 TO 62 HP

Wisconsin Motor Corporation was assigned the exclusive sales, service and manufacturing rights to the full line of air-cooled diesels produced by Motorenfabrik Hatz GmbH, of Ruhstorf, West Germany. Both companies have completed 60 years of experience in pioneering design and manufacture of heavy-duty, air-cooled engines for a wide range of industrial applications.

Hatz diesels, particularly in the lower horsepower range, have been extensively redesigned and improved to meet changing trends. Innovations comply with the demand for smoother, long-lived dependability — lightweight compactness — flexibility and adaptability — as well as economy.

Hatz engines utilize both a pre-combustion chamber combustion as well as direct injection systems, depending on specific engine model or family. The smaller engines incorporate a specially designed centrifugal lube oil splash lubrication and centrifugal filtration systems. Larger engines use a conventional positive gear type pressurized oil pump lube oil system. One of the most recent and notable developments is the introduction of several "denoised" models in the 3 to 12 horsepower range. The Hatz diesel engines are competitively priced and cost slightly more than gasoline engines. They are available in several engine families.

E 571/671
governor side

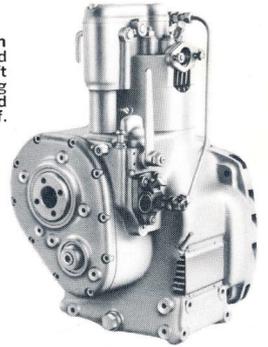


The 571-671 Range

The lightest, most compact models in the line are the E571 and E671 single-cylinder diesels, 3 to 5 hp. Both engines have the same bore of 2.8" with a stroke of 2.24" for the E571 and 2.64" for the E671. Cylinder displacement is 13.7 and 16.2 cu. in. respectively. Engines operate at up to 3600 rpm, with 1340 to 1575 ft/min. piston speed at 3600 rpm. Models weigh only about 75 lbs. due to extensive use of aluminum in the crankcase.

Both models are direct injection types, with the fuel pump mounted in the crankcase. The air-cooling blower is also mounted within the flywheel. Both utilize the centrifugal lubrication and filtration system. Engines require no belt drive for accessories. Other features include direction of cooling air flow from either side of the engine to match application requirements.

E71/75/79 with
crankshaft and
camshaft
protruding
for starting and
power take-off.



The 70-Range

This range consists of two series. The first includes models E71, E75 and E79 shown above. They are single-cylinder engines with the precombustion chamber combustion system and range from 3 to 8 hp. The 5-hp E71 has a 2.8" bore, 3.15" stroke and a displacement of 19.3 cu. in. It weighs 105 lbs.

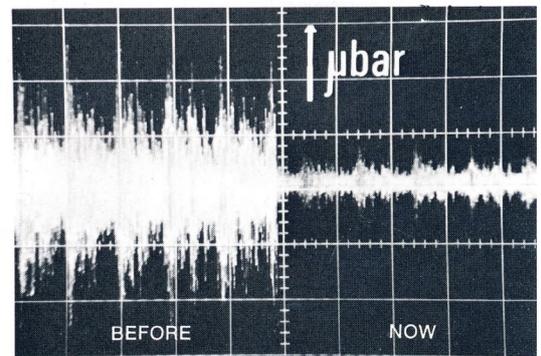
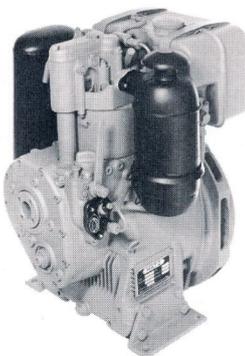
Models E75 and E79 are rated 6 hp and 8 hp respectively. Both have a stroke of 3.15" and bores of 2.95" and 3.15" respectively. Model E75 has a displacement of 21.5 cu. in., weighs 108 lbs. Model E79 has a displacement of 24.5 cu. in. and weighs 117 lbs.

Maximum operating speed for the three models is 3000 rpm. Engines incorporate centrifugal lubrication and filtration system; air-cooling with flywheel fan and oil cooler in the crankcase; manual or electric starting with the aid of a glow plug. Engines can be equipped with a wide range of optional equipment.

New Quiet Diesels—3 to 12 hp

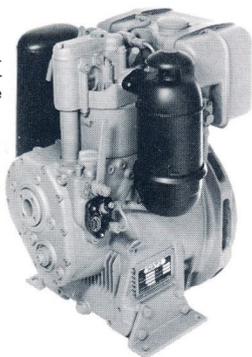
One of the major developments of the year has been the introduction of seven "quiet" diesels, ranging from 4 to 12 hp. The "denoised" models are the E71, 75 and 79; E780 and 785, and the E80, 85 and 89 series of single-cylinder engines.

The "denoising" was a major acoustic and mechanical redesign, not merely a matter of muffling or enclosing the engines. Noise levels at 20 points of origin were charted and analyzed. Noisy components were improved or completely replaced to substantially reduce noise. For example, the noise level of the valve gear train alone was reduced by 67%. The noise reduction program covered such areas as fuel injection, valve gear train, accessory drives, and radiated noise from cylinder barrels, crankcase and cylinder head. A similar "denoising" program is underway for the complete line.



Before and after noise level graph for valve gear train.

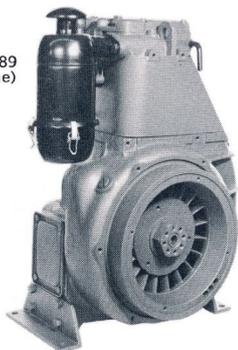
E 780, ready for service governor side



The 70-Range

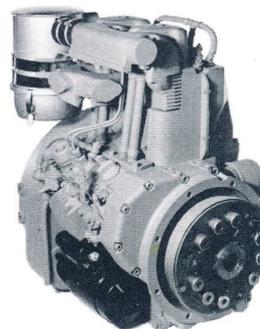
The 8 to 12-hp range of the series is covered by the 10-hp E780 and 12-hp E785 single-cylinder engines. Both are pre-combustion chamber engines and incorporate the flywheel air-cooling blower arrangement as well as the efficient and maintenance-free centrifugal lubrication and filtration system. The E780 has a 3.15" bore, 3.94" stroke, 30.6 cu. in. displacement, and weighs 148 lbs. The E785 has a 3.35" bore, 4.33" stroke, 38.1 cu. in. displacement, and weighs 192 lbs. Both engines operate at speeds up to 3000 rpm, with piston speeds of 1968 and 2165 ft/min. at 3000 rpm.

E 80/85/89 FG (flange engine)



The 80-Range

Somewhat heavier than the 70-range series, Models E80, E85 and E89 single-cylinder air-cooled diesels cover the range of 7 to 12 hp. The E80 and E85 have a common stroke of 3.94"; bore of 3.15" and 3.35", 30.6 and 34.6 cu. in. displacement, and weigh 264 and 277 lbs. respectively. The E89 has a bore of 3.50", 4.15" stroke, 40.8 cu. in. displacement, and weighs 273 lbs. They are precombustion chamber engines and have a maximum operating speed of 2500 rpm. All three incorporate flywheel mounted air-cooling blower and gear pump lubrication with a filtration system.



New 20-hp Two-Cylinder Diesel

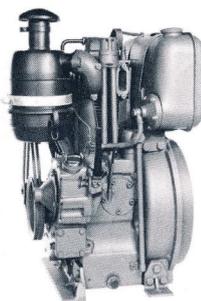
The new two-cylinder model Z782 delivers 20 hp at 3000 rpm. It has a bore of 3.23", stroke of 3.93", displacement of 62.5 cu in., and weighs 325 lbs. It is designed with SAE take-offs at both ends of the crankshaft and permits direct connection as well as support of driven equipment such as hydraulic pumps and generators. Design eliminates the need for extra housings for flange mounting and support. Belt drives are not needed for accessories and all service points are located on one side of the engine for fast, easy servicing.

The 95-Range—15 to 62 hp

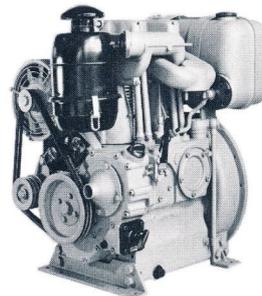
The 95 series of heavy-duty, air-cooled diesels consists of single-, two-, three- and four-cylinder models, ranging from 15 to 62 hp. They are designed and built like conventional larger air-cooled diesels with belt-driven axial blower for air-cooling and shrouded cooling enclosures around cylinders. All four models have a common bore of 3.9" and stroke of 4.3". Displacements range from 52.7 cu. in. for the single-cylinder engine to 210.5 cu. in. for the four-cylinder model. Their operating speed ranges from 1000 to a maximum of 3000 rpm.

The 95 series are precombustion chamber engines. All of them incorporate a highly efficient and dependable pressurized lubrication system with a gear pump and externally cleanable permanent element lube oil filters. Oil is filtered by a suction strainer and disc-type filter in the main channel. Oil is distributed through channels in the crankcase walls, thus eliminating lubricating oil lines and possible breakage. The Bosch injection pump is installed inside the crankcase and is operated by the camshaft.

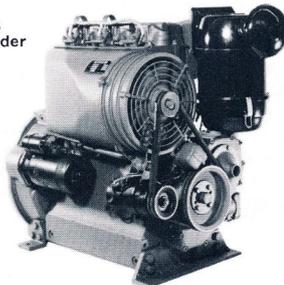
Model E95
Single-cylinder
15 hp
52.7 cu. in.
313 lbs.



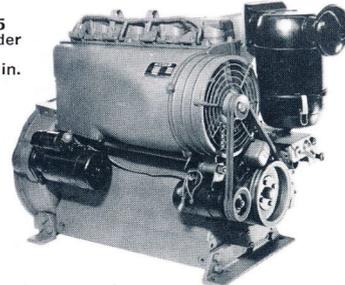
Model Z95
Two-cylinder
30 hp
105.3 cu. in.
463 lbs.



Model D95
Three-cylinder
46 hp
158 cu. in.
684 lbs.



Model V95
Four-cylinder
62 hp
210.5 cu. in.
816 lbs.



WISCONSIN POWER FOR PROGRESS AND PROFIT

60 years of growth in power

Wisconsin Motor built their first engine in 1909—a water-cooled model that provided a powerful catalyst for the automotive age. Wisconsin powered early “mile-a-minute” pioneers like the Kissel, Cutting, Case and Stutz Bearcat — were first choice of Oldfield, de Palma, Haugdahl and other legendary race drivers. Wisconsin broke the 100-mph barrier in 1914 and three-miles-a-minute, in 1920.

When the automotive giants began to manufacture their own engines in the early 1930's Wisconsin pioneered the design and manufacture of heavy-duty, air-cooled engines. Today, Wisconsin is a synonym for dependable power on heavy-duty applications in agriculture, construction, defense, industry as well as on recreational equipment.

Now, Wisconsin can match your requirements with 4-cycle heavy-duty, air-cooled engines — singles, twins and V-4's, from 6 to 65.9 hp . . . world-famous Hirth 2-cycle air-cooled engines for snowmobiles and terrain vehicles, from 12.5 to 70 hp, and seven single-cylinder models for industrial applications, from 1.5 to 10.5 hp . . . and Hatz 4-cycle air-cooled diesels, single and multi-cylinder, 3 to 62 hp. All are available with a wide range of options for job-engineered applications.



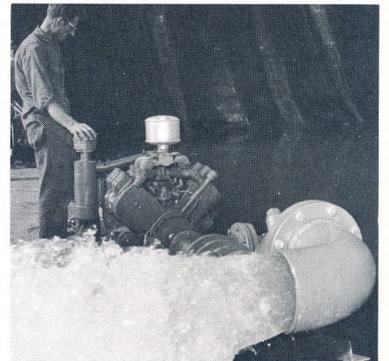
60.5-hp V-4 on air-compressor



60.5-hp V-461D on trencher-blader



25-hp VF4D powering front-end loader



60.5-hp V-4 on 3000 gpm pump



65.9-hp V-4 on swather



18-hp THD on power plant



60.5-hp V-461D on concrete saw



14-hp S-14D on garden tractor



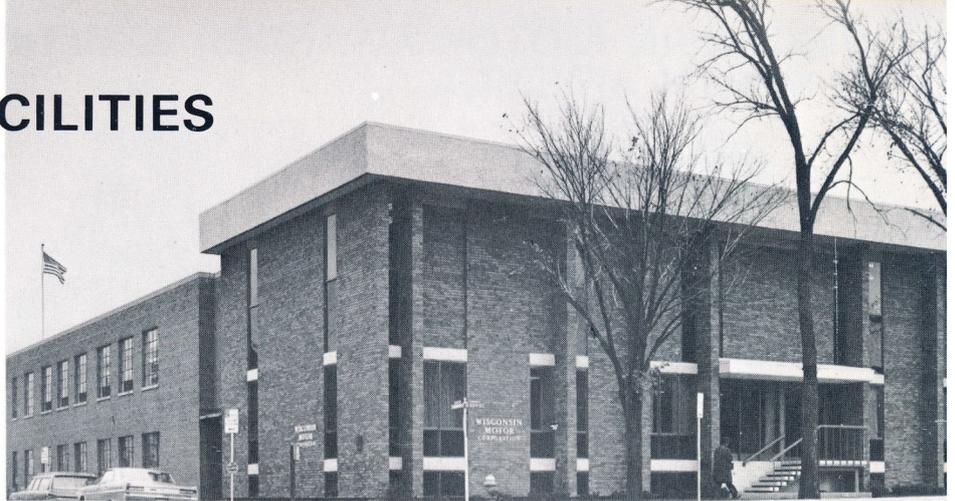
7-hp BKN on concrete buggy



Wisconsin is on the move—to serve you better

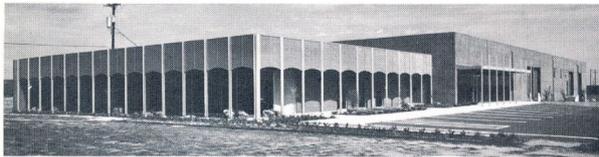
EXPANDING FACILITIES

Our new executive office building reflects the new spirit and growth at Wisconsin. We have expanded and modernized our manufacturing facilities in our four plants at Milwaukee, Wisconsin. We've computerized order processing and inventory control. Our enlarged and modernized affiliate in Australia has increased production of Wisconsin engines from 6 to 30 hp. Wisconsin engines are also produced under license in Brazil, Colombia and Thailand. Our recently added lines of Hirth two-cycle snowmobile and terrain vehicle engines and four-cycle Hatz diesels are backed by full-scale, progressive production facilities in West Germany.



WORLD-WIDE SALES AND SERVICE

Wisconsin backs you with 2,000 Authorized Wisconsin Engine Service Centers in 92 countries. All stock replacement engines and Wisconsin-engineered parts — and provide factory-approved service.



A DOMESTIC DISTRIBUTOR occupies this new 26,000 sq. ft. center. Firm also maintains complete sales-service branches in three other cities.



DISTRIBUTOR IN NEAR EAST recently moved into this new sales-service complex which complements sales-service branches in three other key market centers.



TRAVELING SERVICE CLINICS are open to you and your mechanics, as well as service personnel of your customers. Periodically held in your area, clinics are conducted by factory specialists to show and review new models, developments and the latest factory-approved servicing techniques.



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