



S100
FLUID COUPLING

SERVICE INFORMATION

HATZ Diesel Engine

**Parts List for Routine Service of
HATZ 4H50-TIC or 3H50-TIC Industrial Diesel Engine (Tier 4)
Equipped with Fluid Coupling (Automatic Clutch)**
Also Refer to Engine Manufacturer's Service Manual for Engine Service Details
(Engine must be serviced first after 50, then every 500 hours of operation)

Description	Air Burners P/N	Manufacturer's P/N	Service Interval
Air Filter (Main Element H50)	5000-2338	HATZ 50638200	500 Hours
Air Filter (Secondary Element H50)	5000-2339	HATZ 50638300	500 Hours
Oil Filter H50	5000-2340	HATZ 50638800	500 Hours
Oil Separator H50 (Crank Case Vent)	5000-2341	HATZ 50640500	500 Hours
Fuel Filter H50	5000-2342	HATZ 50638100	500 Hours
Pre-Fuel Filter	5000-2343	HATZ 50638000	500 Hours
Combo Main & Pre-Fuel Filter*	5000-3007	HATZ 2147501	500 Hours
Poly-V-Belt (Engine) H50	5000-2344	HATZ 50629401	500 Hours
Fuel/Water Separator Filter	5000-1297	RACOR R20P	As needed
Battery, 12V, Max 120Ah; Max. CCA 800; Min. CCA 750; RC 130	5000-2472	Interstate Batteries 24M-XHD	As needed

* Applies only to FireBox with HATZ engine shipped after November 20, 2023.

Diesel Fuel	Ultra Low Sulfur Fuel Only
Engine Oil	10W40 or 15W40 Diesel Grade
Engine Oil Capacity	7.2 qt. (6.8 L)
Engine Radiator Protection Fluid *)	Coolant Fluid must be approved by HATZ, i.e. Havoline XLC (OF02), Havoline XLC+B, Castrol Radicool SF, Exxon Mobil Delvac ELC Coolant
Bearing Lubricant	NLGI Grade 2
DEF and DPF **)	Not required (Engine meets US EPA Tier 4 Final and EU 97/68 Stage 3 B)
Fuel Tank Capacity	Minimum 58 gal. (220 L)

Consult FireBox Operating Manual for engine-to-air fan coupler service and adjustment.

* Contact Air Burners Customer Service Dept. for complete list of HATZ approved Radiator Protection Fluids.

** DEF = Diesel Exhaust Fluid DPF= Diesel Particulate Filter

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