

BID NO.: 50-00132530

BID FORM
Non-Public Works**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12-month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO ✓

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

6 weeks ARO

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable)

N/A**THIS SECTION MUST BE COMPLETED BY BIDDER:**FIRM NAME: CDPW Inc. Vendor 313506ADDRESS: 710 W. Park Ave.CITY, STATE: Edgewater, FL 32132

ZIP: _____

TELEPHONE: (386) 426-1345FAX: (386) 426-6176EMAIL ADDRESS: Carl@cdpwinc.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: 01 (10/15/20)

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 51,800.00 delivered.

AUTHORIZED

SIGNATURE: Carl CalabreseCarl Calabrese

Printed Name

TITLE: Government Sales

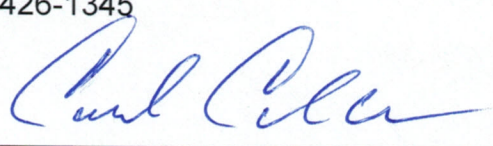
SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the electronic envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00132530

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>ONE TIME PURCHASE OF SELF-PRIMING HORIZONTAL SEWERAGE PUMPS FOR THE JEFFERSON PARISH DEPARTMENT OF SEWERAGE</p> <p>0001 - Trash Pump, 6 inch self priming, trailer mount with DOT trailer lights package, *Includes "Silent-Knight" sound attenuation canopy. *Includes "Auto-Start" engine Control panel and a set of floats. *Driven by an Isuzu model 4LE2T, tier 4 diesel engine, Passes 3 inch solids</p> <p>Part no. 6HT-DIST-4LE2T</p> <p>Please Note:</p> <p>One pump is for Eastbank Lift Stations and one pump is for Westbank Lift Stations.</p> <p>Quoting the Complete 6TP-Hz3T-W as an alternate.</p> <p>CDPW Inc. 710 W. Park Ave. Edgewater, FL 32132 386-426-1345</p>  <p>Carl Calabrese Government Sales carl@cdpwinc.com</p>	\$25,900.00	\$51,800.00 delivered

Non-Public Works Bid

AFFIDAVIT

STATE OF Florida

PARISH/COUNTY OF Volusia

BEFORE ME, the undersigned authority, personally came and appeared: _____

Amy Fletcher, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized President of CDPW Inc. (Entity), the party who submitted a bid in response to Bid Number 50-132530, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B ☒ there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

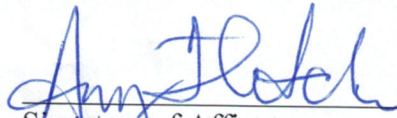
Choice B ✓ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

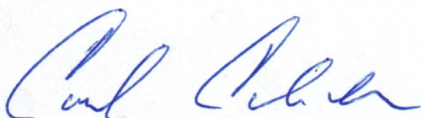
[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.


Signature of Affiant

Amy Fletcher, President, CDPW Inc.
Printed Name of Affiant

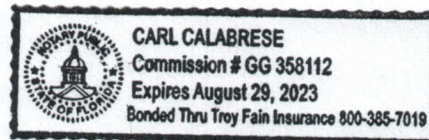
SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 2nd DAY OF November, 2020.


Notary Public

Carl Calabrese
Printed Name of Notary

GG358112
Notary/Bar Roll Number

My commission expires 08/29/23.



CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
CDPW Inc.
INCORPORATED.

AT THE MEETING OF DIRECTORS OF CDPW Inc.
INCORPORATED, DULY NOTICED AND HELD ON November 2, 2020,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Carl Calabrese and Amy Fletcher, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.



SECRETARY-TREASURER Jason Fletcher

November 2, 2020
DATE



Sales - Installations - Services
710 W. Park Avenue
P.O. Box 36
Edgewater, FL 32132
1-800-800-9562
Office: 386-426-1345 Fax: 386-426-1835

Jefferson Parish Purchasing Department
200 Derbigny Street-Suite 4400
Gretna, LA 70053

Buyer Name: SHANNA FOLSE
Buyer Email: SFOLSE@JEFFPARISH.NET
Buyer Phone: 504-364-2680

November 3, 2020

Re: BID #50-00132530 ONE TIME PURCHASE OF SELF-PRIMING HORIZONTAL SEWERAGE
PUMPS FOR THE JEFFERSON PARISH DEPARTMENT OF SEWERAGE

Ms. Folse,

Regarding the above titled bid, CDPW Inc. is offering our 6TP-Hz3T-W 6" Self Priming Trash Pump, trailer mounted, with the Hatz 3H40 diesel engine and sound attenuated engine enclosure. We, CDPW Inc., manufacture the unit at our Edgewater FL facility, and have been designing and building dewatering pumps and equipment since 1923.

While the unit offered is not fully enclosed, the sound attenuated enclosure surrounding the engine does significantly reduce the operating noise of the unit, and offers an exceptional value.

Please refer to the accompanying product spec sheet for full details. Should you or the end user have any questions please feel free to call or email.

Sincerely,

Carl Calabrese
Government Sales
carl@cdpwinc.com

Wet-Prime Trash Pump 6 inch discharge



The ideal pump for:

- Flood control
- Emergency drainage
- Quarry dewatering
- Irrigation flooding
- Open Sumping

Diesel Configuration:

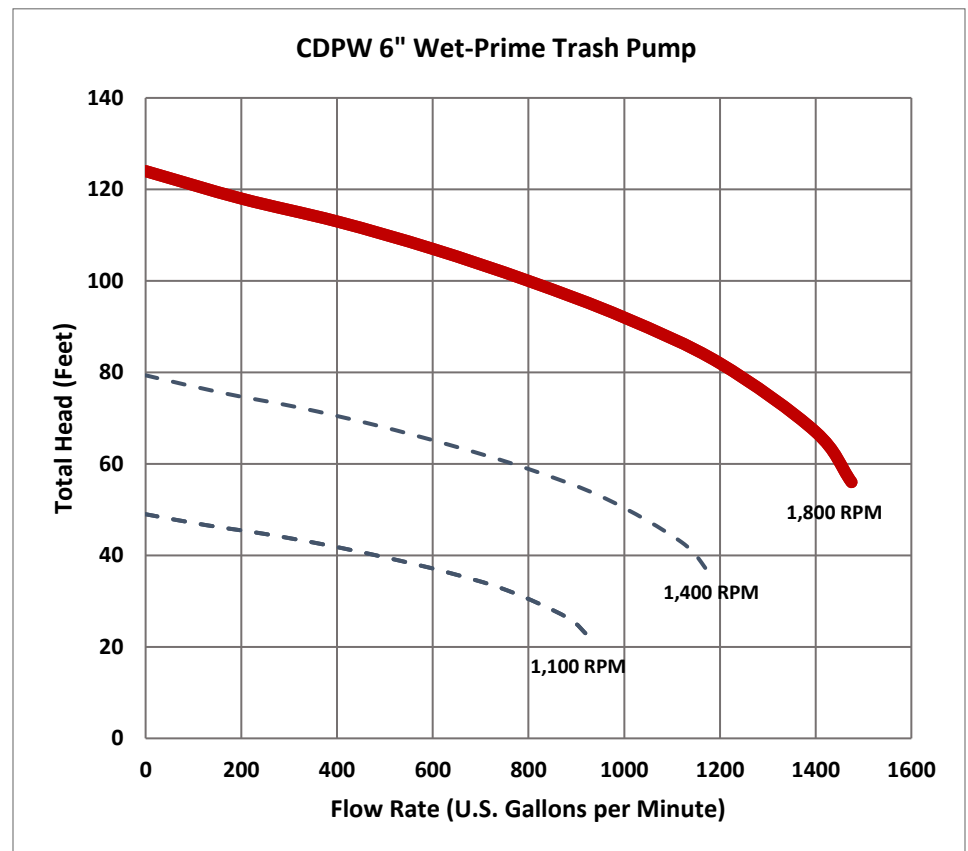
Model 6TP-Hz3T-W

Hatz 3H50TIC EPA Tier 4 Final liquid cooled diesel engine, 46 cont. hp @ 1800 rpm

Engine covered silent pack. Full instrument panel with safety shutdowns

Specifications:

- Engine covered silent pack for quiet operation but easy pump maintenance
- 1500 GPM cast iron centrifugal pump
- 6" Suction x 6" Discharge
- up to 25' suction lift
- Integral fuel tank / frame, 62-gallon capacity
- Single point lifting bale
- Wheel mount with DOT highway lights, fenders



“The finest dewatering pumps and wellpoint equipment since 1923”

Complete Dewatering 6TP-Iz4T-W

6" Wet-Prime Trash Pump



SPECIFICATIONS

(All specifications subject to change without notice)

Pump Component

Make: Complete Dewatering
Model: TP6, 6" self-priming centrifugal
Casing: Cast Iron class 30
Impeller: Semi-open 11.0", 2-vane
Seal: Tungsten carbide
Bearings: 24,000 hrs. B10 (min.) life
Shaft: 17-4 PH stainless steel
Shaft Sleeve: 416 stainless steel
Suction Check Valve: Pre-loaded and weighted, neoprene, replaceable
Clean Out Cover: 6" cover secured with T-handles, direct access to impeller eye to clear debris
Wear Plate: Heavy duty cast iron, replaceable
Coupling: Flywheel coupled, elastomeric element
Suction, Discharge: 6" x 6" with flanges per bid specification

Performance

Pumping Capacity: to 1500 gpm (5675 l/m)
Head Capacity: to 125' (38.1 m)
Suction Lift: to 25' (7.6 m)
Solids Capacity: to 3" spherical (7.62 cm)

Diesel Engine

Make / Model: Hatz 3H50 TIC
Emissions: EPA Tier 4 Final
Type: 3-cylinder liquid cooled turbo diesel
Horsepower: 46hp continuous at 1800 rpm
Fuel Consumption: approx. 1.75 gph at pump operating speed and full load
Control Panel: Digital control panel with engine rpm, oil pressure, coolant temperature, voltage, hour meter, and electronic throttle control; safety shutdowns on critical engine conditions.
Fuel Filters: Dual fuel filter system with fuel/water separator
Air Cleaner: Disposable dry type
Exhaust: Noise reducing exhaust
Electrical System: 12-volt starter & alternator
Battery: Heavy-duty 12-volt 925 CCA

Frame

Type: Integral fuel cell / frame
Material: 8" x ¼" steel box tube, welded and pressure tested
Fuel Capacity: 62 gallons (235 liters); approx. 34-36 hours run time between refueling. Can also be used with an auxiliary fuel tank.
Clean out ports: (4), one on each corner
Fuel Gauge: Mechanical dial
Fuel filler: 4" filler neck with lockable cap, sediment screen
Battery hold-down: External, lockable bar
Lifting bale: Single point, balanced
Paint: Epoxy primed and painted with an industrial grade enamel. Custom colors are available.

Wheel Mount Option

Axle: Single axle, 6000# rated Torflex torsion axle.
Tires: 225/75/R15, Highway rated, load range D
Fenders: Steel bolt on replaceable
Tow Hitch: Pintle / lunette eye with safety chains
Leveling: Drop down posts on all corners of the pump, front wind-down jack stand
Brakes: Hydraulic surge

Dimensions

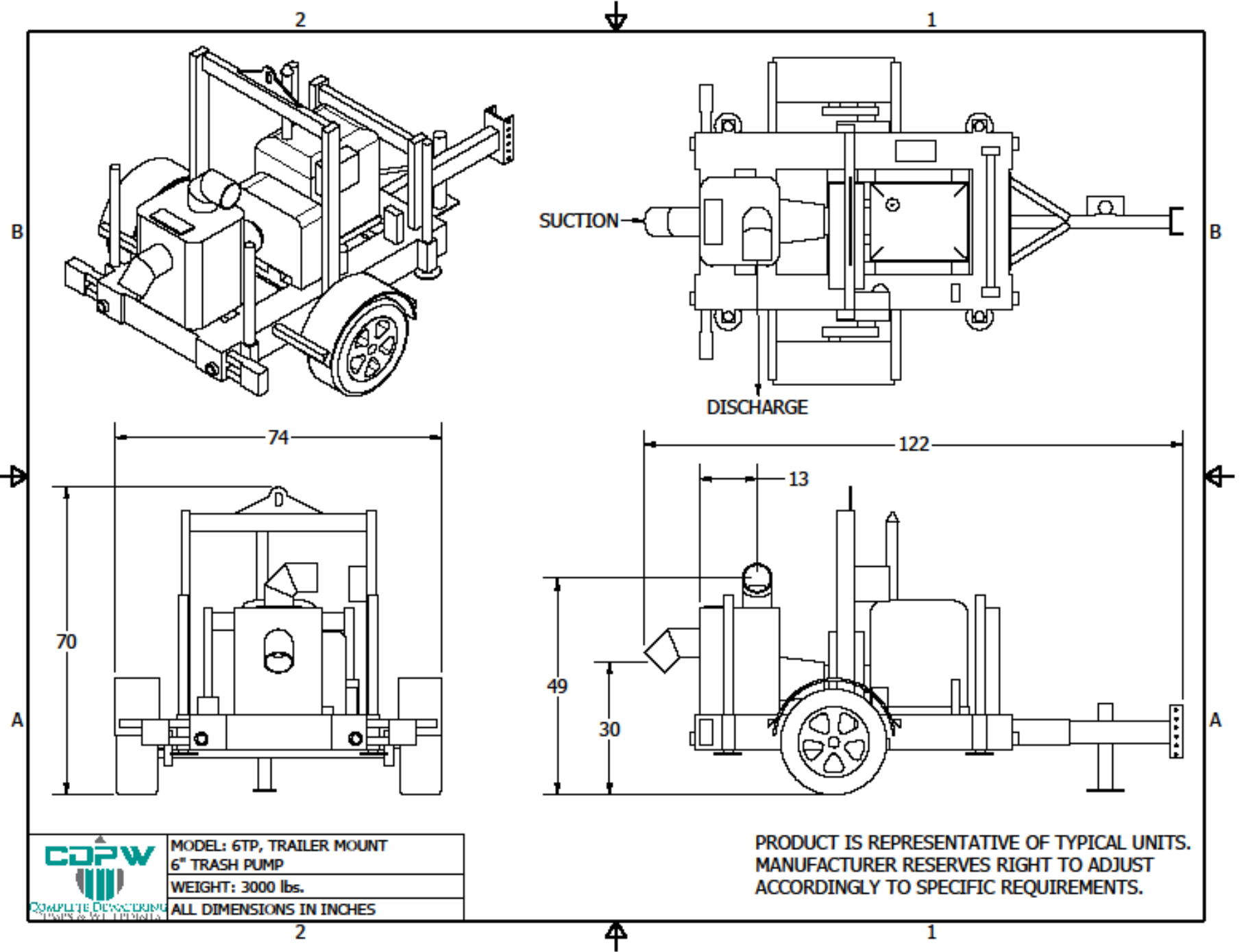
Wheel Mount: Length 13.5' (162", 412 cm)
Width 6.7' (80", 205 cm)
Height 6.8' (82", 208 cm)
Weight 3400 lbs. (1545 kg)

Options included with this bid:

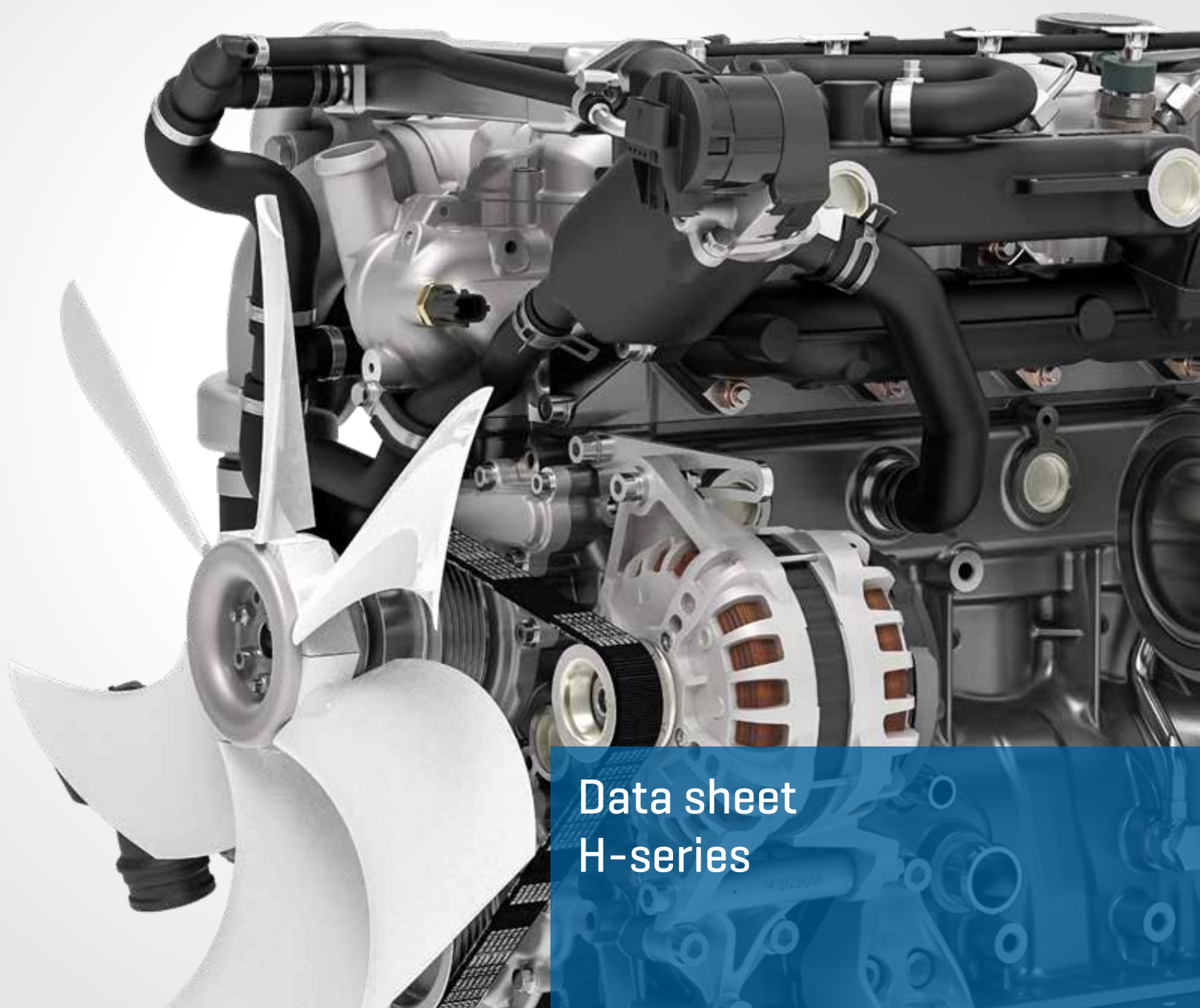
Increased fuel capacity
DOT trailer with title

Warranty

CDPW Inc. warranties the entire unit for one-year parts and labor against defects in product or workmanship. Engine warranties are carried by the manufacturer and may exceed one year.

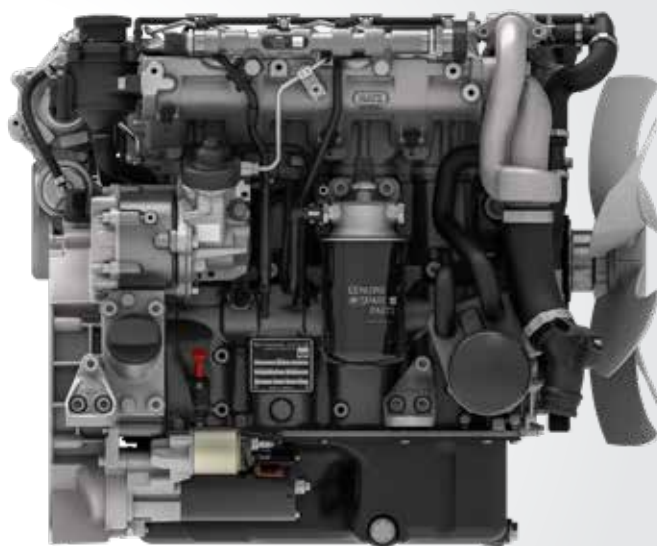
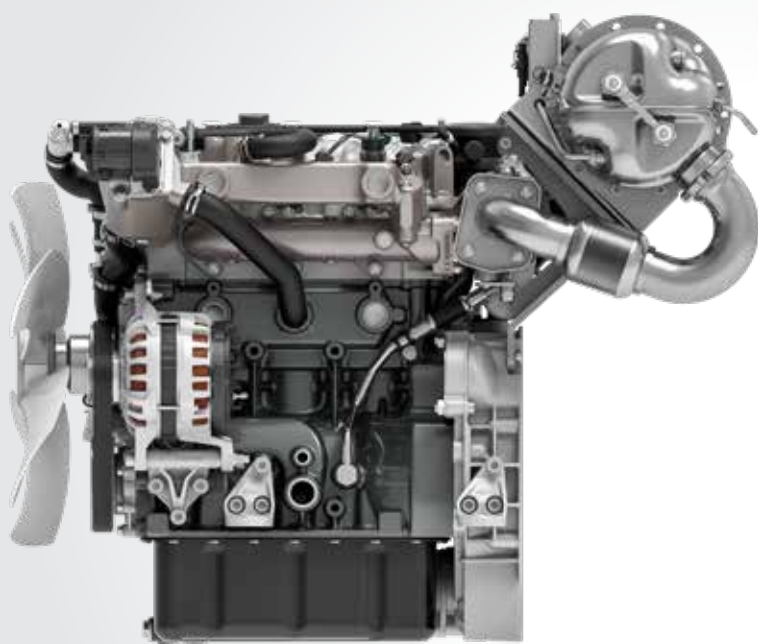


CREATING POWER SOLUTIONS.



Data sheet H-series

Hatz industrial diesel engines



The modern three-and four-cylinder power packages

Compact, light, economical, robust and environmentally friendly: The new Hatz common-rail diesel engine provides everything expected from a powerful and modern industrial engine. It impresses through its quiet running, dynamics and maintenance friendliness. Its constantly low fuel consumption over a wide load range sets the benchmark. Only high quality parts are used in the H-series engines. These include an injection system and sensors from well-known manufacturers.

Supported by:



Federal Ministry
for Economic Affairs
and Energy

on the basis of a decision
by the German Bundestag



Open Power Unit – the plug & play solution

All variants of the H-series are available as a ready-to-install OPU [Open Power Unit] and were completely tested by the manufacturer. In addition to the standard scope of delivery, air filter, radiators, charged air radiators, hosing and cable loom are already pre-installed in the delivery state.



New Silent Pack – the most quiet Hatz multi-cylinder engines

Based on the OPU version [see left] the Silent Packs are 60 percent more quiet. The powder-coated canopy made from sheet metal provides an efficient weather and touch protection as well. Nevertheless the released ambient temperature of the Silent Packs and the OPU are the same.

Hatz H-series: innovation meets reliability

A groundbreaking downsizing approach was adopted in the development of the Hatz H-series. The outcome are extremely compact, turbocharged engines that reach a maximum output of 64 kilowatts, setting benchmarks in their performance classes.

Conservative-innovative engine for a long service life

The Hatz H-series has two valves per cylinder, which achieves high efficiency, mechanical robustness and functional simplicity. This – as well as the exclusive use of premium products for all important components – leads to the long service life customary from Hatz.

Maintenance-friendly

The H-series also scores highly in terms of user friendliness. Firstly, all maintenance points are accessible on one side of the engine; secondly, the maintenance intervals of 500 engine hours are largely spaced. A hydraulic valve play compensation and generously sized filters make it possible.

Environmental compliance

The Hatz H-series is up to 90 kilograms lighter compared to its nearest competitor. This weight saving not only results in a lower power-to-weight ratio, but also in a reduced need for raw materials. The engine family meets all emission requirements of the EU and the USA, the latter even without the use of a particulate filter.

Common-rail system

One of the key factors for the high efficiency of the Hatz H-series is its injection technology: the Bosch common

rail system in the more robust off-highway version. In conjunction with other ideally matched system components, the perfect balance between dynamics, quiet combustion noise, low emissions and economy is reached.

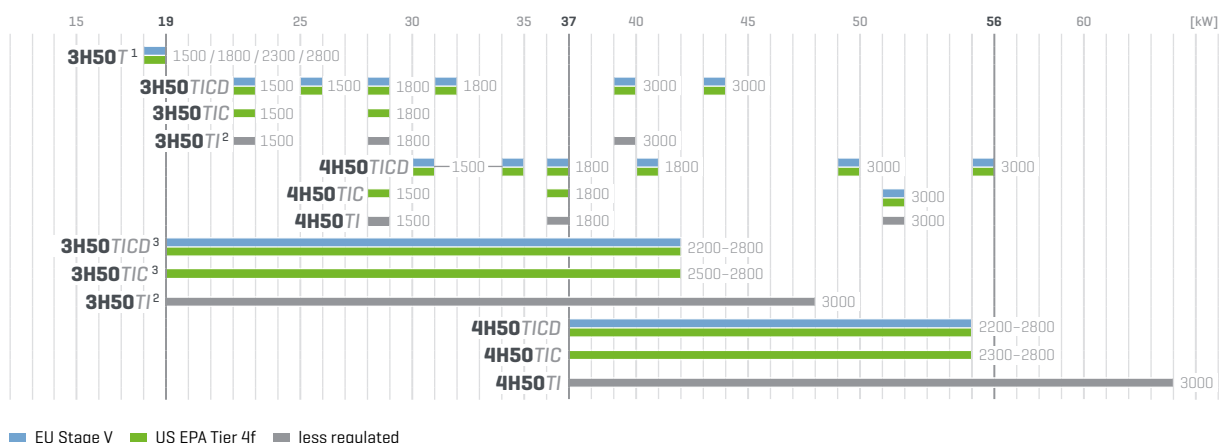
Extraordinarily high fuel efficiency

When it comes to fuel efficiency, the Hatz H-series models with a specific fuel consumption of less than 210 grams per kilowatt hour at the most effective level set new standards. However, the special feature is that consumption economy values close to the optimum are also achieved over a large load and speed range. A key to the exceptionally high fuel efficiency is the reduction of internal friction, which is largely due to the conservative design with few moving parts. This makes each H-series model the most efficient engine in its power class.

Ready for the Internet of Things (IoT)

The H-Series is well equipped to redefine business models or increase their efficiency. Thanks to electronic engine control and connected solutions, machine manufacturers can expand their customer relationships, rental companies can optimise the utilisation of their fleets and machine operators can ensure more efficient processing of their contracts.

H-series – power ranges, emission classes and rated speeds



¹ Available end 2019 ² Available early 2020 ³ Also available with 36.4 kW @ 2500 rpm for use in California without registration requirements

Technical data, performance table

Technical data			3H50T ¹	3H50TICD	3H50TIC	3H50TI ²	4H50TICD	4H50TIC	4H50TI
Engine	Type		Liquid-cooled 4 stroke diesel engine						
	Cylinder		3			4			
	Injection system		Direct injection with Bosch off-highway common-rail system						
	Injection pressure [bar]		1800						
	Aspiration		Turbo without charge air cooling	Turbocharger with charge air cooling					
	Exhaust emission after-treatment		—	cEGR. DOC. DPF	cEGR. DOC	—	cEGR. DOC. DPF	cEGR. DOC	—
	Bore x stroke [mm]		84 x 88						
	Displacement [l]		1.464			1.952			
	Mean piston speed @ 3000 rpm [m/s]		8.8						
	Compression ratio		17.5:1						
	Lubrication oil consumption. related to full load		max. 0.5 % of fuel consumption						
	Oil filling	max. [l]	5.0			7.0			
		min. [l]	4.2			6.0			
	Speed control	Lowest idle speed [rpm]	900						
		Control method	CAN J1939 or multi-stage switch						
Installation information	Amount of combustion air @ 2800rpm approx. [kg/h]		260			340			
	Amount of cooling air @ 2800 rpm approx. [kg/h]		6650						
	Mass moment of inertia J _{engine} [kgm ²]		0.217			0.234			
	Starter [V]		12 [2.2 kW / 3.0 hp] 24 [3.0 kW / 4.1 hp]						
	Cold start temperature [°C]		-25 [12 V] -32 [24 V]						
	Alternator charging [A]		110 [14 V] 60 [28 V]						
	Battery capacity max. [Ah]		110 [12 V - 450 A DIN] 66 [24 V - 300 A DIN]						
	Dimensions	Weight [kg]	Basic engine	132	140	154 ^a	133	158	173 ^a
as Open Power Unit			147 ⁵	222	236 ^a	215	240	255 ^a	234
as New Silent Pack ^{1.5}			—	339 ^a	327 ^a	306	360 ^a	348 ^a	327
L x W x H [mm] ⁹		Basic engine	660 x 568 x 650	629 x 559 x 691	660 x 613 x 650 ^a	660 x 568 x 650	720 x 559 x 691	751 x 613 x 650 ^a	751 x 568 x 650
		as Open Power Unit	718 x 568 x 650 ⁵	805 x 663 x 807	836 x 685 x 807 ^a	836 x 663 x 807	896 x 663 x 807	927 x 685 x 807 ^a	927 x 663 x 807
		as New Silent Pack ^{1.5}	—	1122 x 712 x 922 ^a	918 x 712 x 922 ^a	918 x 712 x 922	1213 x 712 x 922 ^a	1009 x 712 x 922 ^a	1009 x 712 x 922

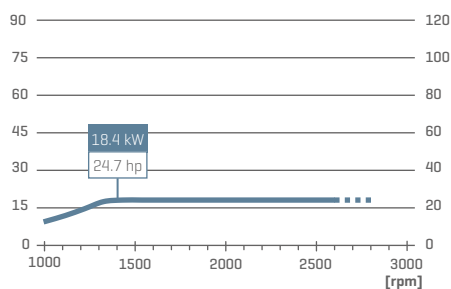
Engine output max. [kW/ hp]	[rpm]	3H50T ¹	3H50TICD	3H50TIC	3H50TI ²	4H50TICD	4H50TIC	4H50TI
Blocked ISO fuel stop power (IFN) for intermittent loading according to ISO 3046-1. ⁶ 3H50TICD 3H50TIC Also available with 36.4 kW / 49.4 hp @ 2500 rpm for use in California without registration requirements.	3000	—	—	—	43.6 / 58.5	55.4 / 74.3	—	55.0 / 73.8
	2800	18.4 / 24.7	43.7 / 58.6	43.6 / 58.5		55.4 / 74.3	55.0 / 73.8	
	2300	18.4 / 24.7	42.7 / 57.1	41.5 / 55.7		55.4 / 74.3	54.0 / 72.4	
	1800	18.4 / 24.7	35.4 / 47.3	35.4 / 47.3		45.7 / 61.3	45.2 / 60.6	
	1500	16.5 / 22.1	28.6 / 38.2	28.6 / 38.2		37.4 / 50.0	37.1 / 49.8	
Blocked ISO fuel stop power (IFN) for intermittent load according to ISO 3046-1. Applies to constant speed.	3000	—	43.6 / 58.5	—	—	55.4 / 74.3	—	—
	1800	—	31.3 / 42.0	—	—	41.0 / 55.0	—	—
	1500	—	25.5 / 34.2	—	—	35.0 / 46.9	—	—
Blocked ISO fuel stop power (IFNsi) for strongly intermittent load according to ISO 3046-1. ⁷	2800	—	43.7 / 58.6 ⁸	43.6 / 58.5 ⁸	48.2 / 64.6	—		63.7 / 85.4
	2300	—	42.8 / 57.3 ⁸	42.5 / 56.9 ⁸	47.5 / 63.7	—		62.2 / 83.4
	1800	—	38.2 / 51.2 ⁸		38.2 / 51.2	—		50.2 / 67.2
	1500	—	29.3 / 39.3 ⁸	29.3 / 39.3 ⁸	31.4 / 42.0	—		41.1 / 55.0
Blocked ISO standard power (ICFN; not overloadable) according to ISO 3046-1. Applies to variable speed and constant load. Note: Not available as power rating.	3000	—	—	—	39.2 / 52.6	49.9 / 66.8	—	49.5 / 66.4
	2800	18.4 / 24.7	39.3 / 52.7	39.2 / 52.6		49.9 / 66.8	49.5 / 66.4	
	2300	18.4 / 24.7	38.3 / 51.4	37.4 / 50.0		49.9 / 66.8	48.6 / 65.2	
	1800	18.4 / 24.7	31.8 / 42.5	31.8 / 42.5		41.1 / 55.1	40.7 / 54.4	
	1500	14.9 / 19.8	25.7 / 34.3	25.7 / 34.3		33.6 / 44.9	33.4 / 44.7	
Blocked ISO standard power (ICFN; not overloadable) according to ISO 3046-1. Applies to constant speed and constant load (e. g. generators).	3000	—	39.2 / 52.6	—	36.9 / 49.5	49.9 / 66.9	—	50.0 / 67.1
	1800	18.4 / 24.7	28.5 / 38.2	28.5 / 38.2		36.4 / 48.8	36.4 / 48.8	
	1500	14.9 / 19.8	22.6 / 30.3	22.3 / 29.9		31.0 / 41.6	28.7 / 38.5	

¹ Available end 2019 ² Available early 2020 ^a Including engine mounted aftertreatment ⁵ Preliminary values
⁶ 2300/1800/1500: Based on 2800 rpm recordset, other settings on request. ⁷ 2300/1800/1500: Based on 2800 rpm recordset, other engine speed only with CAN limitation.
⁸ Same engine output as IFN, but higher torque. ⁹ Spread at box dimensions ± 3 millimeters due to tolerance.

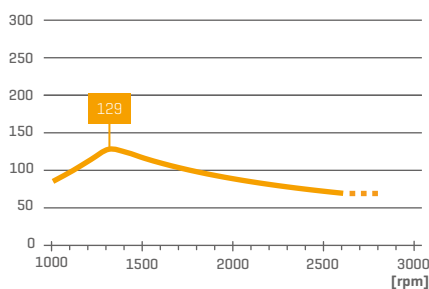
Power output, torque und fuel consumption

3H50T¹

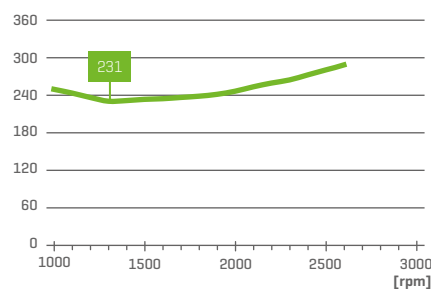
Output [kW / hp]⁵



Torque [Nm]⁵

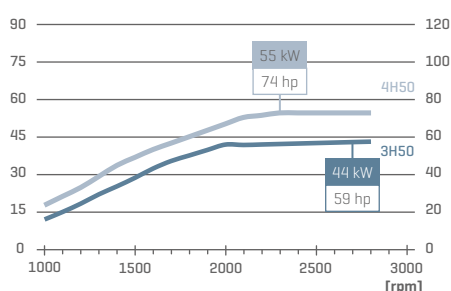


Fuel consumption [g/kWh]⁵

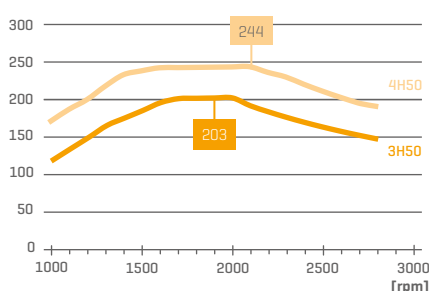


3H50TICD | 4H50TICD

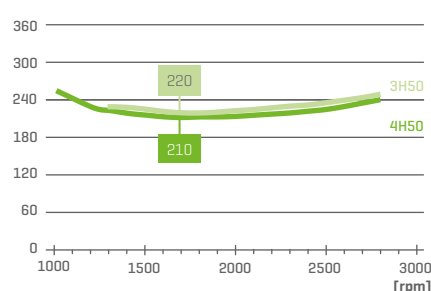
Output [kW / hp]



Torque [Nm]

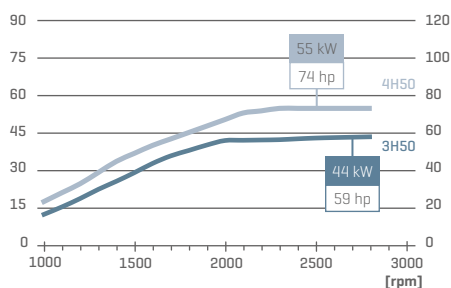


Fuel consumption [g/kWh]

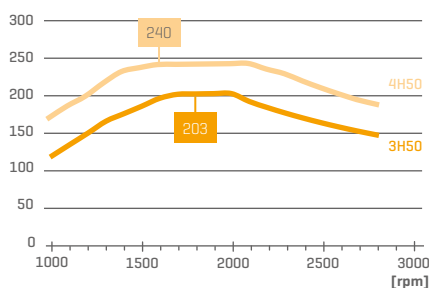


3H50TIC | 4H50TIC

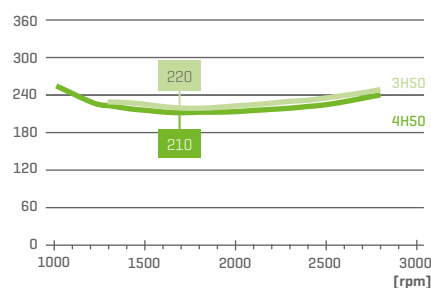
Output [kW / hp]



Torque [Nm]

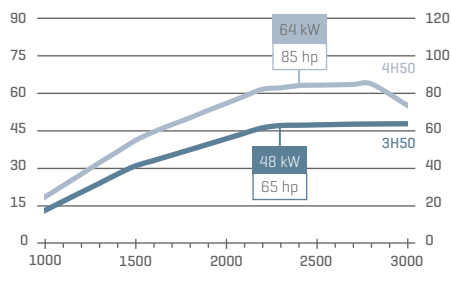


Fuel consumption [g/kWh]

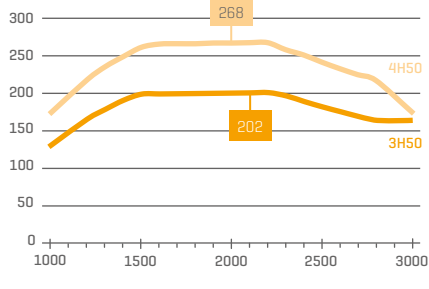


3H50T¹² | 4H50TI

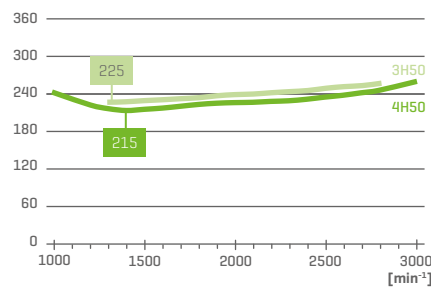
Output [kW / hp]⁵



Torque [Nm]⁵



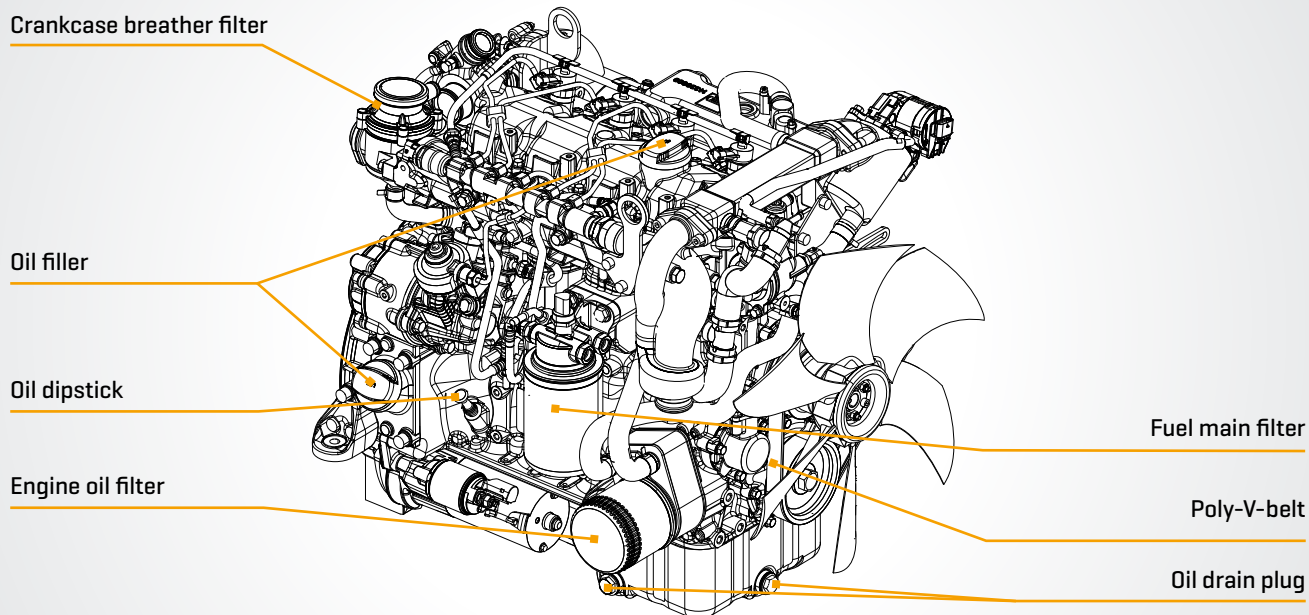
Fuel consumption [g/kWh]⁵



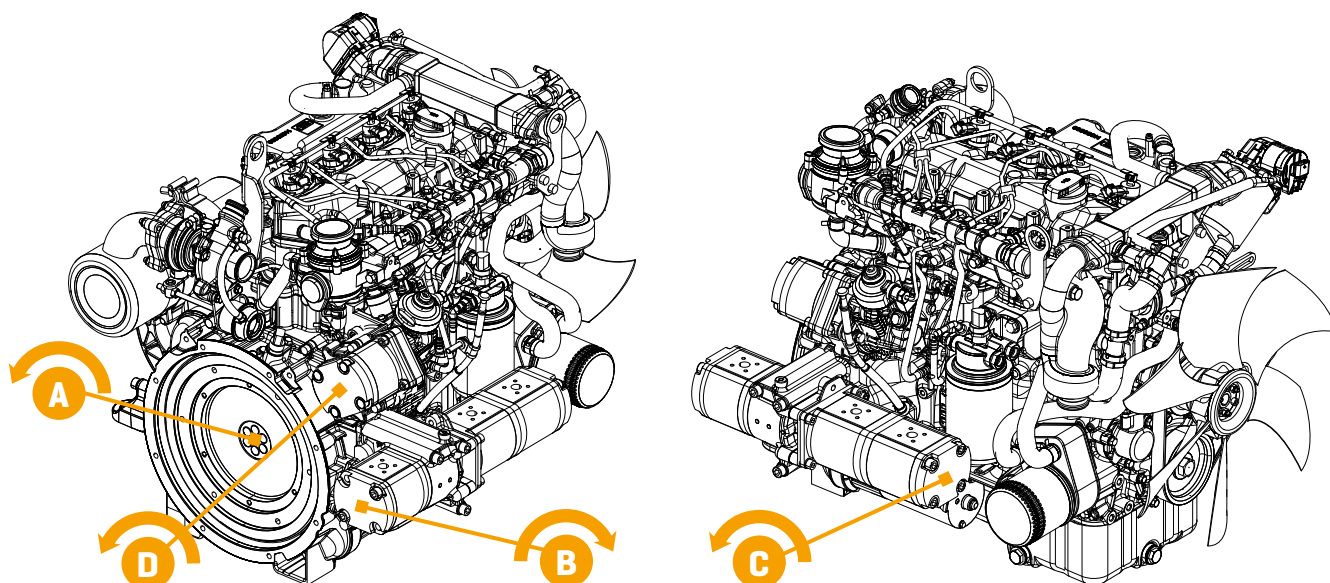
Power ratings

Power reduction chart available on request. Up to 1460 metres no power reduction. Power reduction based on temperature is depending on cooling system, no derating from 50 to 60 °C depending on the operations level for Hatz OPU or New Silent Pack. The power requirement of the alternator is already considered in the charts above.

Maintenance and operating points



Power take off



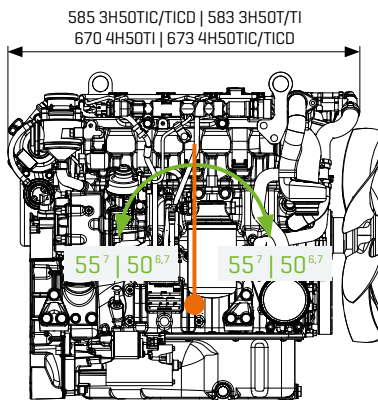
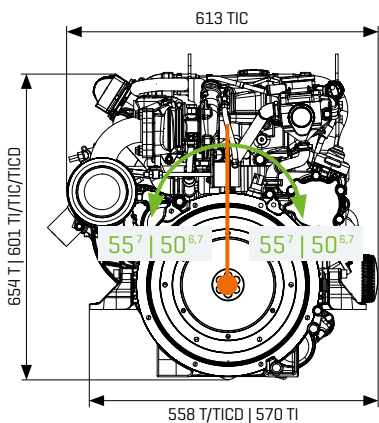
Power take off		3H50T ¹	3H50TICD	3H50TIC	3H50TI ²	4H50TICD	4H50TIC	4H50TI
Transmittable torque	A				100 %			
	B				$\Sigma = 100 \text{ Nm; } i = 1.1$			
	C							
	D				$\Sigma = 80 \text{ Nm; } i = 1.0$			

¹ Available end 2019 ² Available early 2020 ³ Applies to 4H50 models only ⁴ Requires optional inclination package

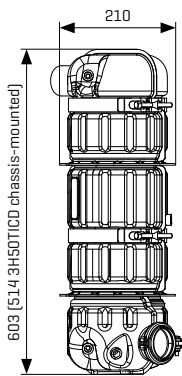
Dimensions [mm] and inclinations [°]

Dimensions for DPF on request.
Spread at box dimensions ± 3 millimeters due to tolerance.
Drawings with detail and connection dimensions as PDF and DXF
can be found at www.hatz-diesel.com.

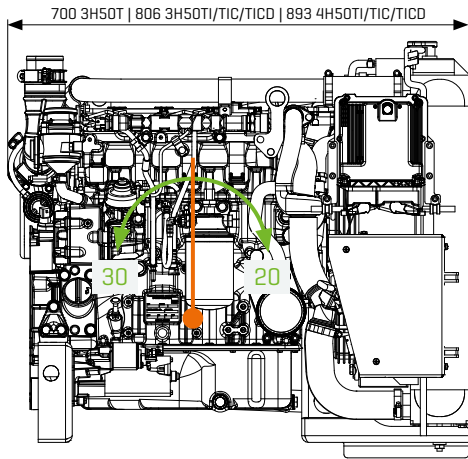
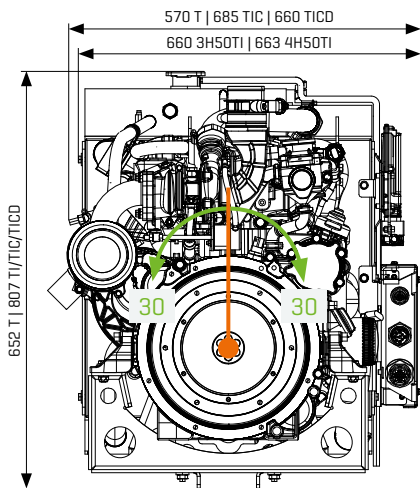
Basic engine



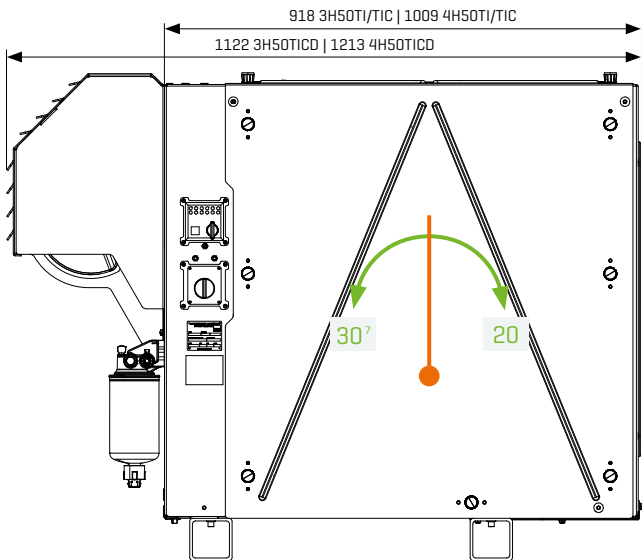
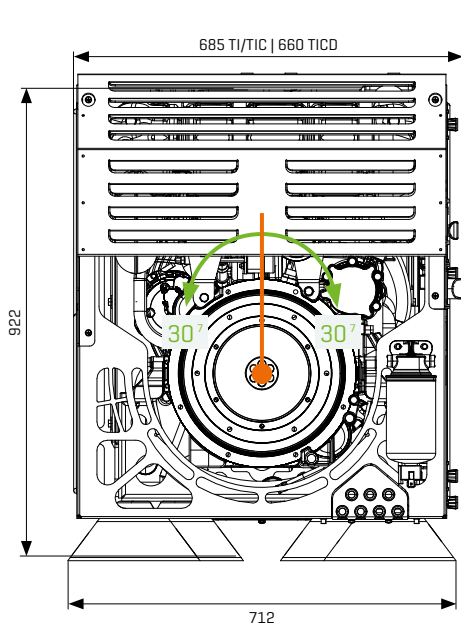
DPF



OPU (Open Power Unit)



New Silent Pack



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CREATING POWER SOLUTIONS.

70252831 EN 04.19 Printed in Germany
Modifications, which serve technical
improvement, are reserved.

CDPW Inc.

dba Complete Dewatering Pumps & Wellpoints

12 Month Limited Warranty

Coverage: CDPW Inc. dba Complete Dewatering Pumps & Wellpoints (CDPW, Seller) warrants the pumps and equipment it manufactures to be free of defects in material and workmanship under normal use and service for a period of twelve (12) months from date of purchase by the original end user.

Exceptions: This Limited Warranty shall not apply to the following products and parts: engines, motors, trade accessories and other products, components, or materials, not manufactured by CDPW. With respect to submersible pumps, the pump and motor are an integral unit and are therefore warranted as a unit. However, with respect to the electrical components in submersible pumps, this warranty is valid only when electrical controls for the pump have been specified and/or provided by CDPW. ***Wear and tear on any product resulting from abnormal use is not covered by this Limited Warranty.*** Components are designed to pump clear water or for solids handling pumps, water with less than 5% solids and/or common household wastewater. Pump liquid outside these parameters can void warranty.

This limited warranty is effective only if the equipment is used as directed, is not subject to misuse, negligence, or accident, and is not altered, treated, or repaired by someone other than CDPW or its designee. Items such as engines, motors, vacuum pumps, and controls not manufactured by CDPW shall bear only the limited warranties offered by their respective manufacturers. Seller's obligation under the warranty is limited to repair or replacement at its factories for any part or parts subject to this warranty which will be returned to the seller with transportation charges pre-paid, and which seller's examination shall disclose to its satisfaction to have been defective. Parts of the product repaired or replaced under this warranty will be covered for the warranty period only.

LIMITATIONS: CDPW'S SOLE AND EXCLUSIVE WARRANTY WITH RESPECT TO ITS PRODUCTS AND PARTS IS THIS LIMITED WARRANTY. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS AND/OR IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE.

EXCLUSIVE REMEDY AND DAMAGES:

The sole and exclusive remedy for breach of this Limited Warranty by CDPW, and the entire extent of its liability for such breach or for damages arising and/or resulting from the use of the products and parts covered by this Limited Warranty shall be as follows:

1. Repair or replacement: If inspection shows that any CDPW product or part covered under this Limited Warranty is defective in materials or workmanship, CDPW shall repair or replace the defective product or part at its option without charge. You must have properly installed, maintained, and used the product or part claimed to be defective in accordance with the maintenance schedule and/or manual which comes with the product. No

allowance will be made for labor, transportation, or other charges incurred by you in connection with such repair or replacement.

2. To obtain the above remedy:
 - a) Immediately notify CDPW at the address below of the claimed defect in materials or workmanship and provide the serial number or date code of the product and/or part. Provide a copy of the invoice or bill of sale referencing the product and/or part by no later than the expiration date of the Limited Warranty period.
 - b) CDPW will advise whether inspection of the product and/or part will be necessary and whether and how repair or replacement will be affected. If inspection by CDPW is necessary, the product or part must be sent freight prepaid to CDPW at the address stated below. Return shipment of the repaired product or part will be F.O.B. the address stated below.
3. Damages: CDPW's liability for damages for breach of this Limited Warranty shall not exceed the amount of the purchase price of the product or part in respect to which damages are claimed.

IN NO EVENT SHALL CDPW INC. BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES FOR BREACH OF THIS LIMITED WARRANTY OTHER THAN AS STATED HEREIN.

CDPW shall not be liable for consequential damages or contingent liabilities including, but not limited to; loss of life, personal injury, loss of crops, loss due to fire or water, property damage, and consequential trade or commercial loss arising out of the failure of CDPW's product. No proximate, consequential or other damages shall be recoverable.

Some states do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, the above may not apply to you. This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province.

CDPW Inc. dba Complete Dewatering Pumps & Wellpoints
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EDGEWATER, FL 32132
Phone: (386) 426-1345