

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving - PWGSC / Réception des soumissions
- TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Fuel & Construction Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet SMP TRAILER - DEPOT STOCK & SPARES	
Solicitation No. - N° de l'invitation W8486-138418/A	Amendment No. - N° modif. 007
Client Reference No. - N° de référence du client W8486-138418	Date 2015-06-03
GETS Reference No. - N° de référence de SEAG PW-\$\$HL-420-66795	
File No. - N° de dossier hl420.W8486-138418	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-06-17	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Dumm, Jennifer	Buyer Id - Id de l'acheteur hl420
Telephone No. - N° de téléphone (819) 956-9675 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

W8486-138418/A

Amd. No. - N° de la modif.

007

Buyer ID - Id de l'acheteur

hl420

Client Ref. No. - N° de réf. du client

W8486-138418

File No. - N° du dossier

hl420W8486-138418

CCC No./N° CCC - FMS No/ N° VME

NATIONAL DEFENCE HAS PROVIDED A RESPONSE TO THE FOLLOWING QUESTION:

Question: You are requesting a quote on a Kohler KD425-2 Diesel Engine . KD425-2 refers to a model of engine. There may have been manufactured several hundred variations of this model of engine . In order to be able to quote you the proper engine we need more information.

There is a small plate on the engine that has this information on it. It includes the model number , serial number and spec number or k number as it is sometimes called .

We need all of these numbers in order to quote you the proper engine. Is it possible to check with your technical people and provide us with this information.

Answer: Attached are the engine specs needed, basically the latest model is required.

Kohler® Diesel

Model KD425-2

2 Cylinders » 851 cc » 14 kW/18.8 HP » 3600 RPM » 31 ft. lbs @2200 RPM

Certification

EPA TIER 2 ■
ECE R 24-03 ●

Features

- 4-Stroke Air-Cooled Diesel Engine
- Direct Fuel Injection
- Flywheel Fan Air Cooling
- Mechanical Fuel Feeding Supplement
- Full-Pressure Lubrication with Oil Pump
- Full-Flow Oil Filter
- Automatic Mechanical Fuel Supplement
- Variable Speed Governor
- Aluminum Crankcase
- 12 V Electric Starter
- Counter-Clockwise Rotation (PTO Side)
- Aluminum Alloy Independent Heads
- Reborable Independent Cast-Iron Cylinders

Applications

- Power Buggy
- Vibrating Roller
- Generator
- Welder
- High-Pressure Cleaner
- Hydraulic Power Pack
- Agricultural Pump
- Two-Wheel Tractor



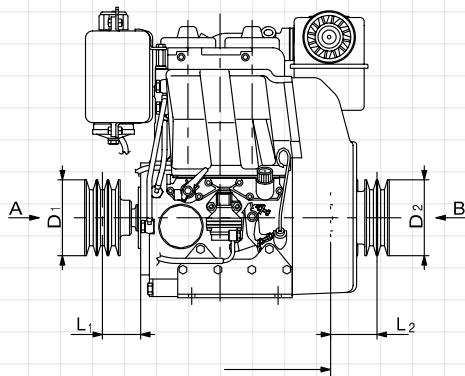
Kohler® Diesel

Model KD425-2

Specifications

Cylinders	No. of Cylinders	2
Displacement	cc/cu. in.	851/51.9
Bore	mm/in.	851/3.3
Stroke	mm/in.	75/3
Compression Ratio		19:1
Rating kW/HP	N (80/1269/CEE) ISO 1585	14/18.8
	NB ISO 3046 IFN	13/17.4
	NA ISO 3046 ICXN	12/16.1
Max. Torque	N·m/ft. lbs. @ 2200 RPM	42/31
Max. Torque 3 PTO	N·m/ft. lbs.	18.0/13.3
Counter-clockwise Rotation		
Engine Speed - 3 PTO Ratio		1:0.87
Minimum Idling Speed RPM		1000
Fuel Tank Capacity	liters/quarts	4/4.2
Oil Consumption	kg/h/lb/h	0.0085/0.0187
Oil Capacity	liters/quarts	1.8/1.9
Min. Allowable Oil Pressure	bar/psi	0.8/11.6
Max. Allowable Angle of Operation (Peak Values)		25° (35°)
Volume of Air Required for Correct Combustion @ 3600, 3000 RPM	liters/min/cfm	1330,1110/47,39
Volume of Air Required for Correct Cooling @ 3600, 3000 RPM	liters/min/cfm	14200,11835/501,418
Dry Weight	kg/lb	53/116.8
Recommended Battery	V/Ah	12/55
Axial Load	(Continuous)	kg/lb
	(Intermittent)	kg/lb
		100/200
		300/661

Minimum Pulley Diameters for Belt Drive



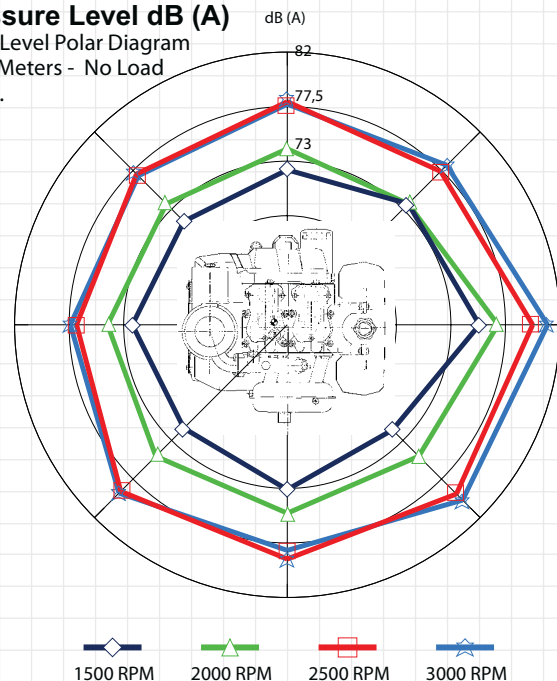
$$D_1 \text{ (mm)} \geq 700 \left[45 + \frac{L_1 \text{ (mm)}}{n \text{ (RPM)}} \right] \frac{N \text{ (kW)}}{n \text{ (RPM)}}$$

$$D_2 \text{ (mm)} \geq 1540 \left[17 + \frac{L_2 \text{ (mm)}}{n \text{ (RPM)}} \right] \frac{N \text{ (kW)}}{n \text{ (RPM)}}$$

Max. allowable axial load in both directions A-B = 300 kg/661 lb_f

Sound Pressure Level dB (A)

Sound Pressure Level Polar Diagram
Open Field at 7 Meters - No Load
Running Engine.

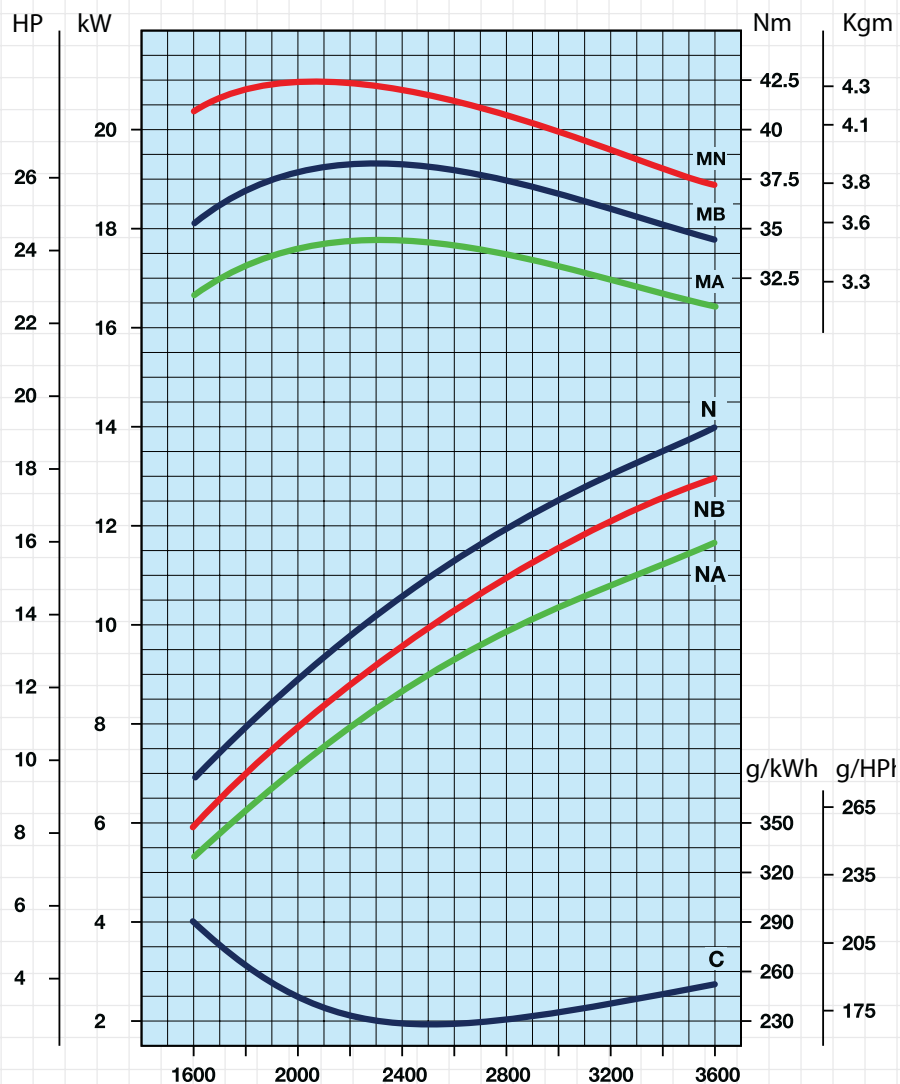


Kohler® Diesel

Model KD425-2

Curves

KD425-2 @ 3600 RPM



N Power Curve - 80/1269/CEE - ISO 1585 -
 NB Power Curve - ISO 3046/1 - IFN -
 NA Power Curve - ISO 3046/1 - ICXN -
 MN Torque Curve - (N curve)
 MB (B Curve) - MA (A curve)
 C Specific Fuel Consumption - (NB curve)

Output Power for Fixed Speed
 Application (Including Generators)

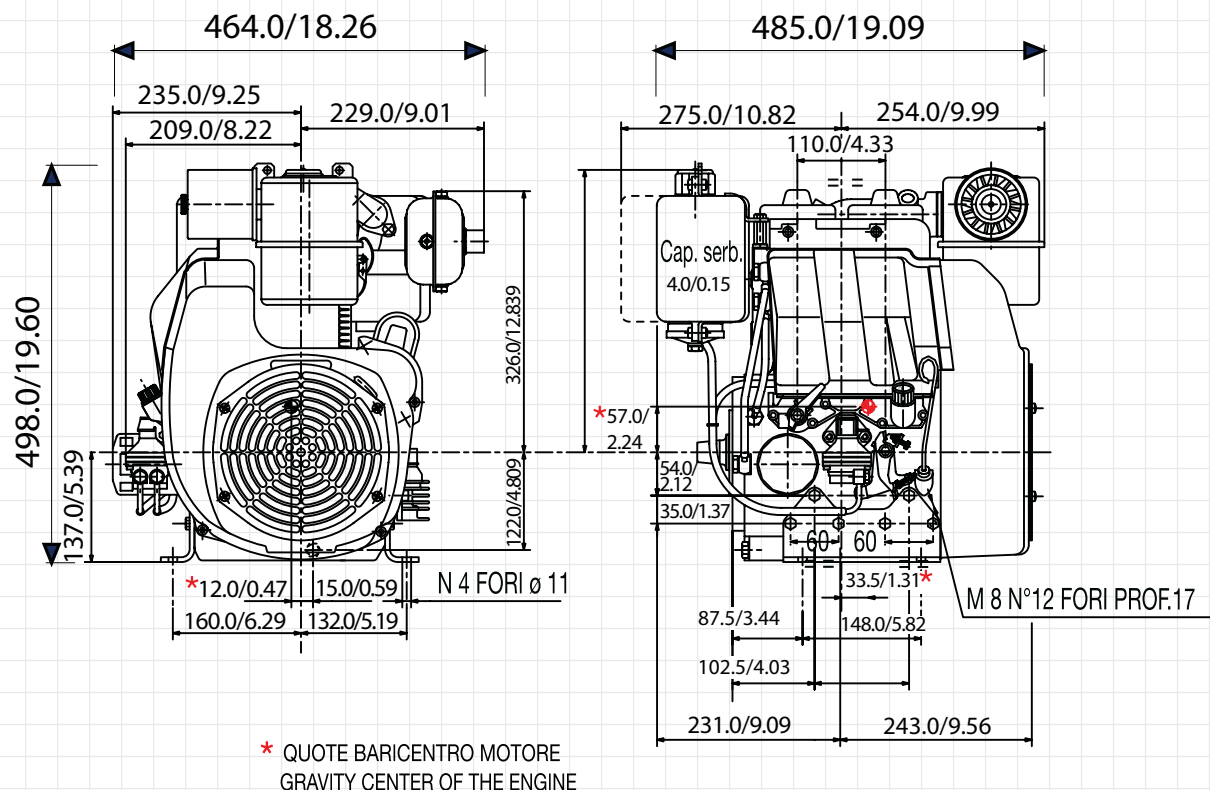
Engine Power kW

RPM	Intermittent (NB)	Continuous (NA)
3600	13.0	12.0
3000	11.5	10.5

Kohler® Diesel

Model KD425-2

Technical Drawings



Standard Equipment

- Electric Starter with 12 V Alternator
- Remote Throttle
- Dry Type Air Filter with Prefilter
- External Oil Filter
- Oil Pressure Switch
- 1-1/8" Dia. Keyed Integral Crankshaft with 7" Mtg. Flange
- Downward Muffler Angled Towards Flywheel End
- Engine Feet
- Power Take-Off on Crankshaft
- Keyswitch Panel
- Fuel Lift Pump
- Counter-Clockwise Rotation (PTO Side)
- Automatic Extra Fuel Device
- Oil Cooler

Accessories

- Extended Wiring Harness
- 1" Threaded Pump with Integral Crankshaft
- SAE 2A-9T Hydraulic Pump Adapter
- SAE J609a Ext 6 Crankshaft with Metric Type B Mtg. Flange

