



Vector[®] HE 17

December 2023 version



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Vector HE 17

Introduction

Vector HE 17 – Enhance V 1550 performances



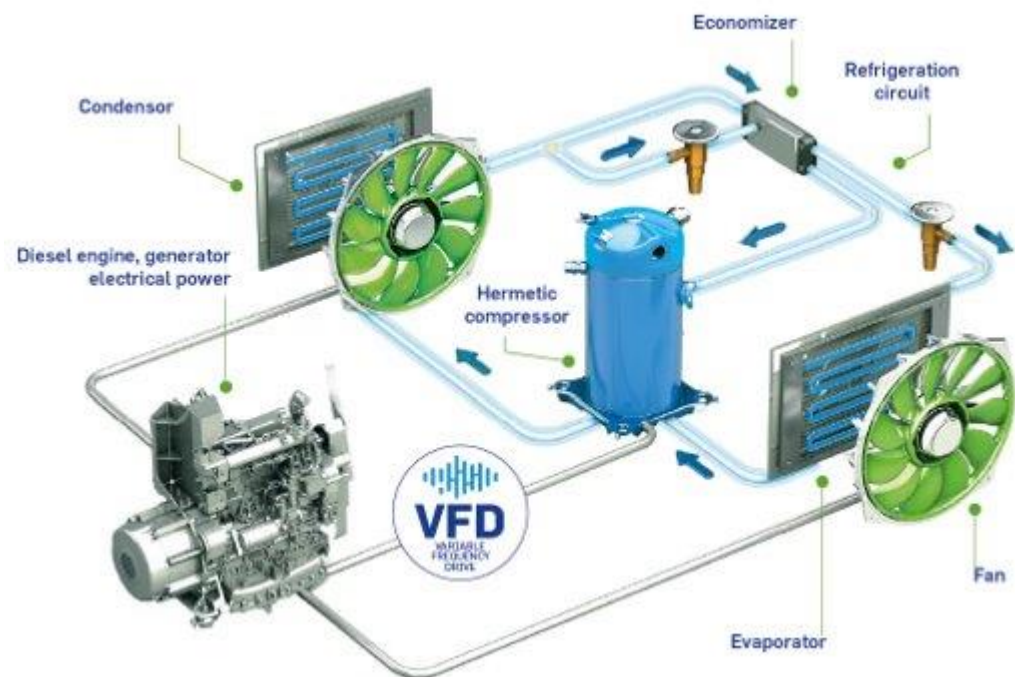
VECTOR
1550
EDRIVE®



VECTOR HE 17

EDRIVE® **VFD**
VARIABLE
FREQUENCY
DRIVE

Vector HE 17 – Proven architecture efficiency



E-DRIVE®

**Enhance E-Drive full
electrical technology**

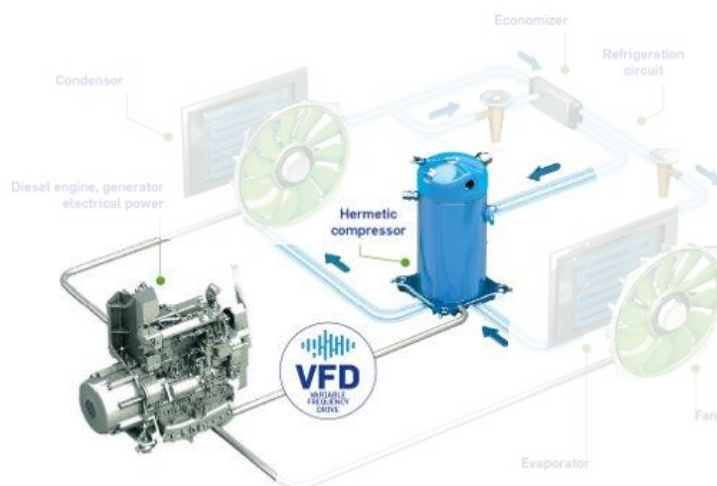
with Variable Frequency Drive



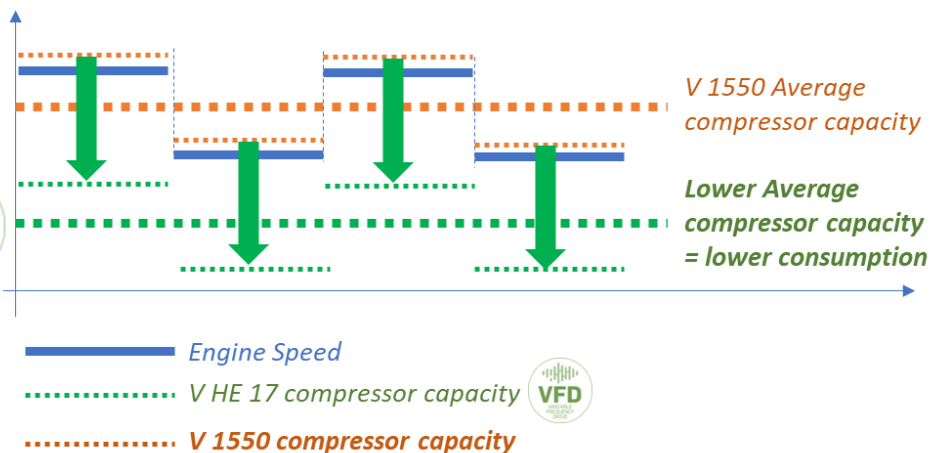
Vector HE 17 – Enhance E-Drive technology with VFD



VFD = Variable Frequency Drive



Engine speed & compressor capacity



- VFD is managing compressor speed variation smoothly and allow to further decrease capacity at low engine speed.

1

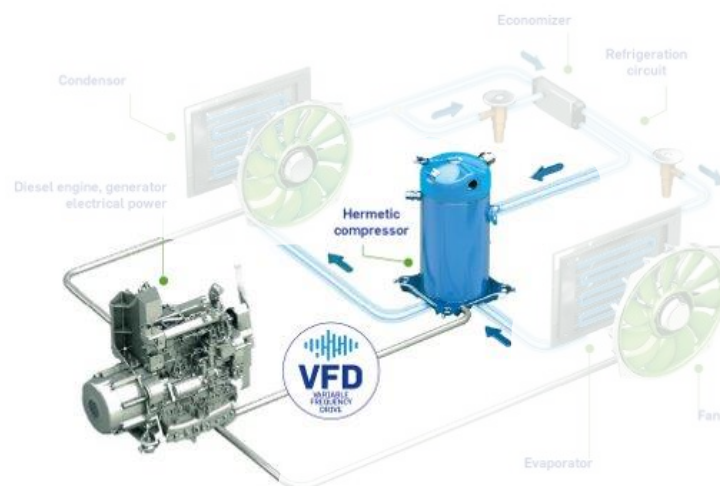


Lowering compressor capacity at low engine speed = lowering consumption

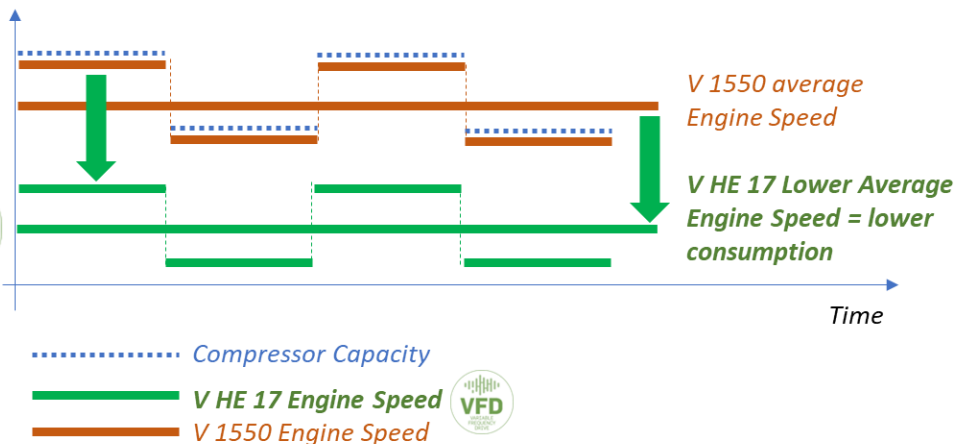
Vector HE 17 – Enhance E-Drive technology with VFD



VFD = Variable Frequency Drive



Engine speed & compressor capacity



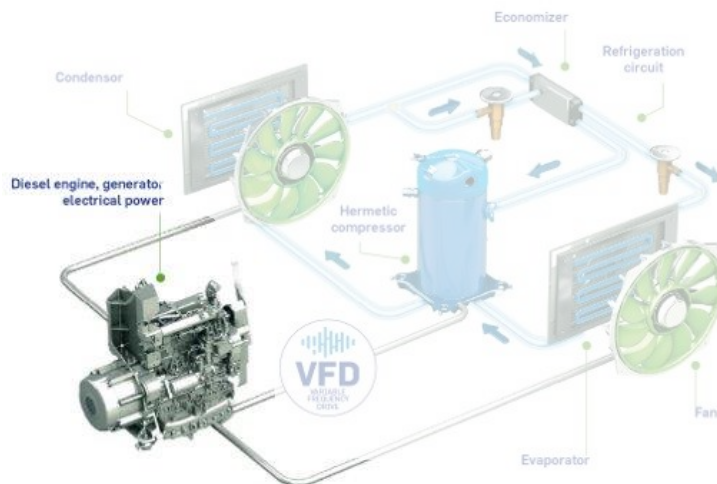
- VFD is managing compressor speed smoothly to keep capacity even when reducing engine speed

2



Keeping capacity with reduced engine speed = lowering consumption

Vector HE 17 – Enhance E-Drive technology



New engine:

- 1,5 l
- 4 Cylinders
- Stage V compliant
- **Electronic Management**
- **5 speeds engine**

- **Very low speed down to 1100 rpm**
- No need of electrical fuel pump
- Accuracy in RPM management vs. engine load
- **Noise emission reduced in LS**
- Fuel burn reduced at LS

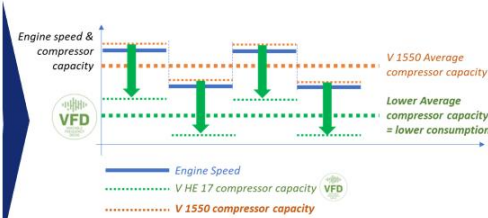
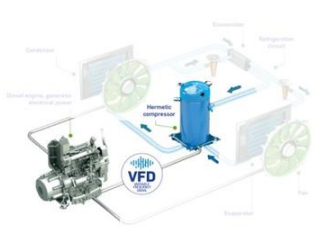


1100 rpm low speed is helping to reduce fuel burn*
1100 rpm low speed is contributing to noise reduction*

Vector HE 17 – Enhance E-Drive technology



VFD = Variable Frequency Drive



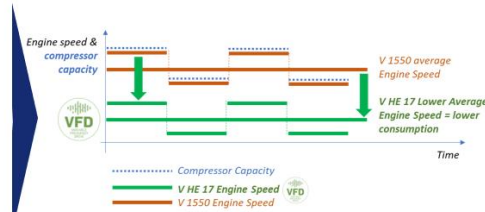
- VFD is managing compressor speed variation smoothly and allow to further decrease capacity at low engine speed.

1



Lowering compressor capacity at low engine speed = lowering consumption

VFD = Variable Frequency Drive



- VFD is managing compressor speed smoothly to keep capacity even when reducing engine speed

2



Keeping capacity with reduced engine speed = lowering consumption



- New engine:
 - 1,5 l
 - 4 Cylinders
 - Stage V compliant
 - **Electronic Management**
 - **5 speeds engine**

- **Very low speed down to 1100 rpm**
- No need of electrical fuel pump
- Accuracy in RPM management vs. engine load
- **Noise emission reduced in LS**
- Fuel burn reduced at LS



**1100 rpm low speed is helping to reduce fuel burn*
1100 rpm low speed is contributing to noise reduction***



**VFD benefit combine with additional low speed
= Fuel burn reduction is up to -30%***

Key highlights

VECTOR HE17



0°C/30°C **16,1 kW**
-20°C/30°C **8,1 kW**



0°C/30°C **15,1 kW**
-20°C/30°C **8,5 kW**



Constant at any amb. **8 kW****
Diesel mode



Fast pulldown



**High performances
in hot load**



Up to -30% *** (Avg. ATEE)

**Same as V HE 19
***VS. V 1550

Other highlights

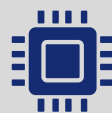
VECTOR HE17



Up to 3000 hrs
(oil maintenance interval option)



5400 m3/hr**
*in VHS**



APX Gen. 3
Latest micro generation



720 kg
Lightest weight in the segment
Reduce tractor axle load



65 dBA
In high speed



Graphical display
Soft Upload over telematics ability
Data download over telematics ability

**VHS = Very High Speed*

***Same as V HE 19*

Vector HE 17

Options

Vector HE 17: Options

VECTOR HE 17



Vector HE17 Options

Fuel related

Fuel sensor 300 mm for Pentas flat tank

Fuel sensor 380 mm for Schmitz flat tank
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Fuel sensor 450 mm for Schmitz curved tank
--

Fuel sensor 510 mm for Chereau flat tank
--

Fuel sensor 450 mm for Pentas flat tank

Fuel Tank 200 l with straps, 2 filling necks
--

Anti siphon device

Additional Electrical Fuel Pump

Winter Package Stage I: Kit Fuel Heater

Vector HE 17: Options

VECTOR HE17



Vector HE17 Options

Noise reduction & Aesthetics

Kit Bottom Panel

Kit Silent Upgrade

Vector HE 17: Options

VECTOR HE 17



Vector HE17 Options

Alternative energy related

Solar panel 50W

Solar panel 110 W

Battery charger for lift gate 12V

Battery charger for lift gate 24V

Vector HE 17: Options

VECTOR HE 17



Vector HE17 Options

Remote command & monitoring

Door switch kit V HE17/19

Door switch kit V HE17/19 for side door

Control light bar OK/NOK

Dual view temperature display UK mounting (only with external sensor)

Dual view temperature display (only with external sensor)

COLDTouch EMEA Full package

CONTROL PANEL 1,2,3 CPTS FLUSH APX - V HE 17/19

Cable Control panel - Extension 5M

Cable Control panel - Extension 10M

Cable Control panel - Extension 17M

Cable Control panel - Extension 22M

Vector HE 17: Options

VECTOR HE17



Vector HE17 Options

Recorder

Datacold 100
Datacold 300 T
Datacold 300 T without sensor
Datacold 300 R
Datacold 300 T without printer
Datacold 300 R without printer
Datacold 600 T
Datacold 600 T without sensor
Datacold 600 T without printer
Datacold 600 R
Datacold 600 R without printer
Datacold Dongle USB

Vector HE 17

Body Builder informations

Dimensions & weight



Same box preparation as V HE 19
Same fixing point as V HE 19

Take away & Key highlights

Benefits summary

VECTOR HE 17



+5%*
0°C/30°C diesel
+16%
0°C/30°C Stby
-30%*

-3dB(A)%*
65 dB(A)

3000 hrs
Oil maintenance interval

720 kg*
Light weight

*VS. V 1550 legacy



Fast pull down
High cooling capacity with VFD and economized architecture



Efficiency & total cost of ownership improvements
Very competitive fuel consumption and improved efficiency in standby operation



Quiet
In standard and even further in low speed during regulation



Maximum up-time
Design and parts accessibility, up to 3000hrs oil maintenance interval



Light weight
Maximize pay load & reduce tractor tires



Latest generation controller
Control's enhancement & Lynx telematics connectivity capability



Visual display
Graphical display allow detailed and visible information



Extreme conditions / Hot load
Designed to perform from -40°C to +50°C with hot load capability

Key Benefits

VECTOR HE17



*VS. V 1550 legacy,

Thank You !