

TANKS

ACID



ACID TANKS

CAPACITY



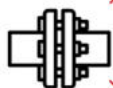
LITERS : 83.000/ BBL : 522

OPERATING TEMPERATURES



-40°C TO +50°C

SPECIFICATIONS AND CONNECTIONS

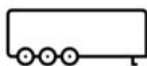


SUCTION SIDE : 4 X FIG. 206 -4"

INLET SITE : 1 X FIG. 206-4"



DIMENSIONS



EMPTY WEIGHT : 14.000 KG

LENGTH : 12.500MM

WIDTH : 2.500 MM

HEIGHT : 4.000 MM

AGITATOR TANKS



AGITATOR TANKS

CAPACITY



LITERS : 7.000/ BBL : 44

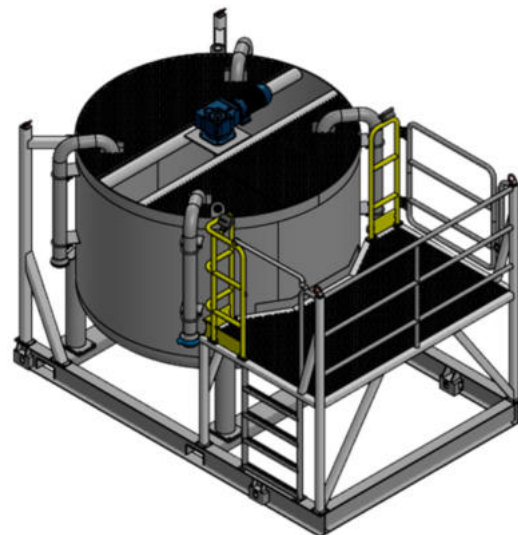
SPECIFICATIONS AND CONNECTIONS



ELECTRIC: 16A CEE SOCKET

SUCTION SIDE : FIG. 206 -4"

INLET : 4X AS PER CLIENT REQUIREMENTS
1X POSSIBLE WITH SLEEVE



DIMENSIONS



EMPTY WEIGHT : 3.200 KG

LENGTH : 3.656 MM

WIDTH : 2.438 MM

HEIGHT : 2.700 MM



TANKS

DIESEL



DIESEL TANKS

CAPACITY



LITERS : 3.000/ BBL : 18,8

SPECIFICATIONS AND CONNECTIONS



2 ½" FILL OPENING. 1" SUCTION TUBE, 1 ½" MONITORING WELL, VENTING, 2X2" RESERVE, 5X1" RESERVE
DIRECTLY CONNECTION TO THE GEARS POWER PACKS, CONNECTION FROM TWO POWER PACKS POSSIBLE.

DIMENSIONS



- EMPTY WEIGHT : 917 KG
- LENGTH : 2.310 MM
- WIDTH : 1.190 MM
- HEIGHT : 1.810 MM



NITROGEN TANKS

N2



NITROGEN TANKS

CAPACITY



LITERS : 7.895 / GALLON : 2.000

DESIGN & TESTING



TANK: ASME VIII DIV 1 (U STAMPED) IN
SUPPORT OF RID / ADR / IMDG AND US DOT
T75 UN PORTABLE TANK

FRAME: ISO1496/3, CSC, DNV 2.7-1, EN12079

Size and Type Code: 12K7



FRAME DIMENSIONS AND MASS



RATING: 16.000 KG

TARE MASS : 5.370 KG

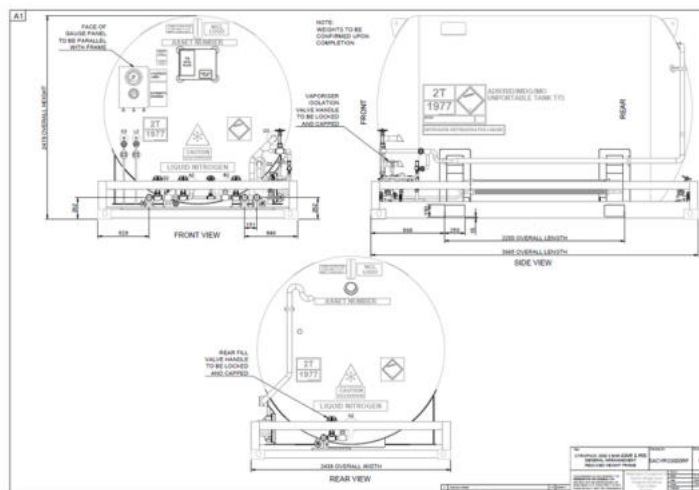
LENGTH : 2.991 MM / 9'8"

WIDTH : 2.991 MM / 9'8"

HEIGHT : 2.438 MM / 8'

BAFFLES : N/A

N2



BAFFLES : ONE BAFFLE FITTED HALFWAY

TANKS

WATER



WATER TANKS

CAPACITY



LITERS : 73.000/ BBL : 459

OPERATING TEMPERATURES

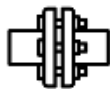


-40°C TO +85°C

THERMOISOLATION : YES



SPECIFICATIONS AND CONNECTIONS



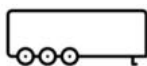
FRONT SIDE MANIFOLD : 8" MANIFOLD WITH
2X BUTTERFLY FIG. 206-8" M IN FRONT, 2X FIG. 206-8" M ON SIDE!

FRONT SIDE : 4" BUTTERFLY WITH FIG 206-4" F

FRONT AND LEFT SIDE : MANHOLE

REAR SIDE : 4" FLANGE – CONNECTION AS PER CLIENT RFQ.

DIMENSIONS



EMPTY WEIGHT : 14.000 KG

LENGTH : 12.500MM

WIDTH : 2.500 MM

HEIGHT : 4.000 MM

CHOKES

FLOW LINE

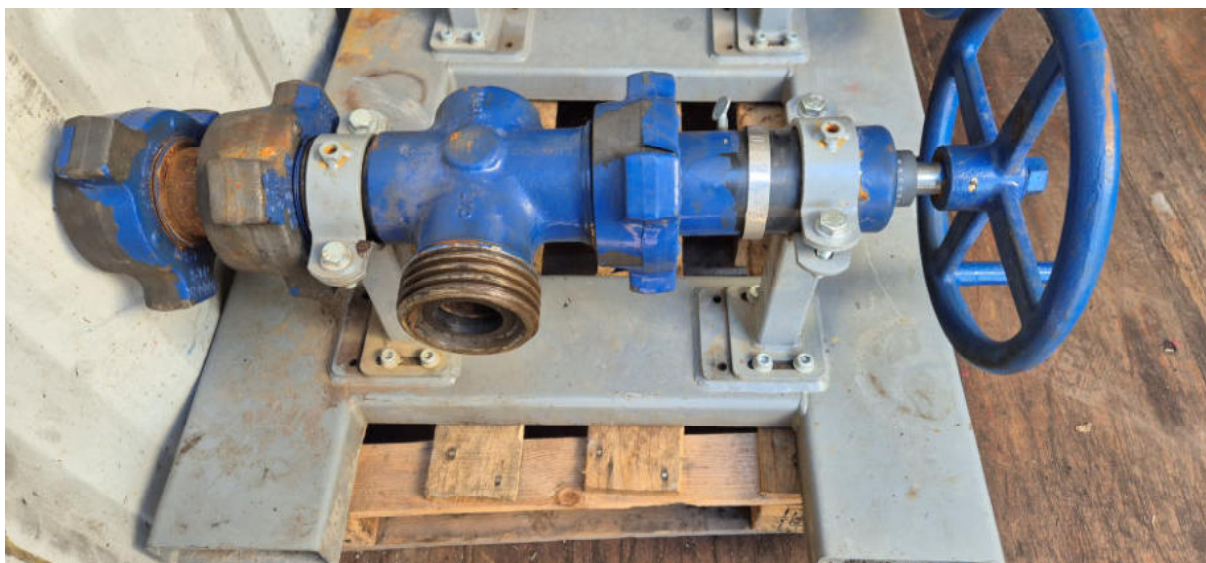


2" CHOKE 1502-2" MAX.1" ORIFICE

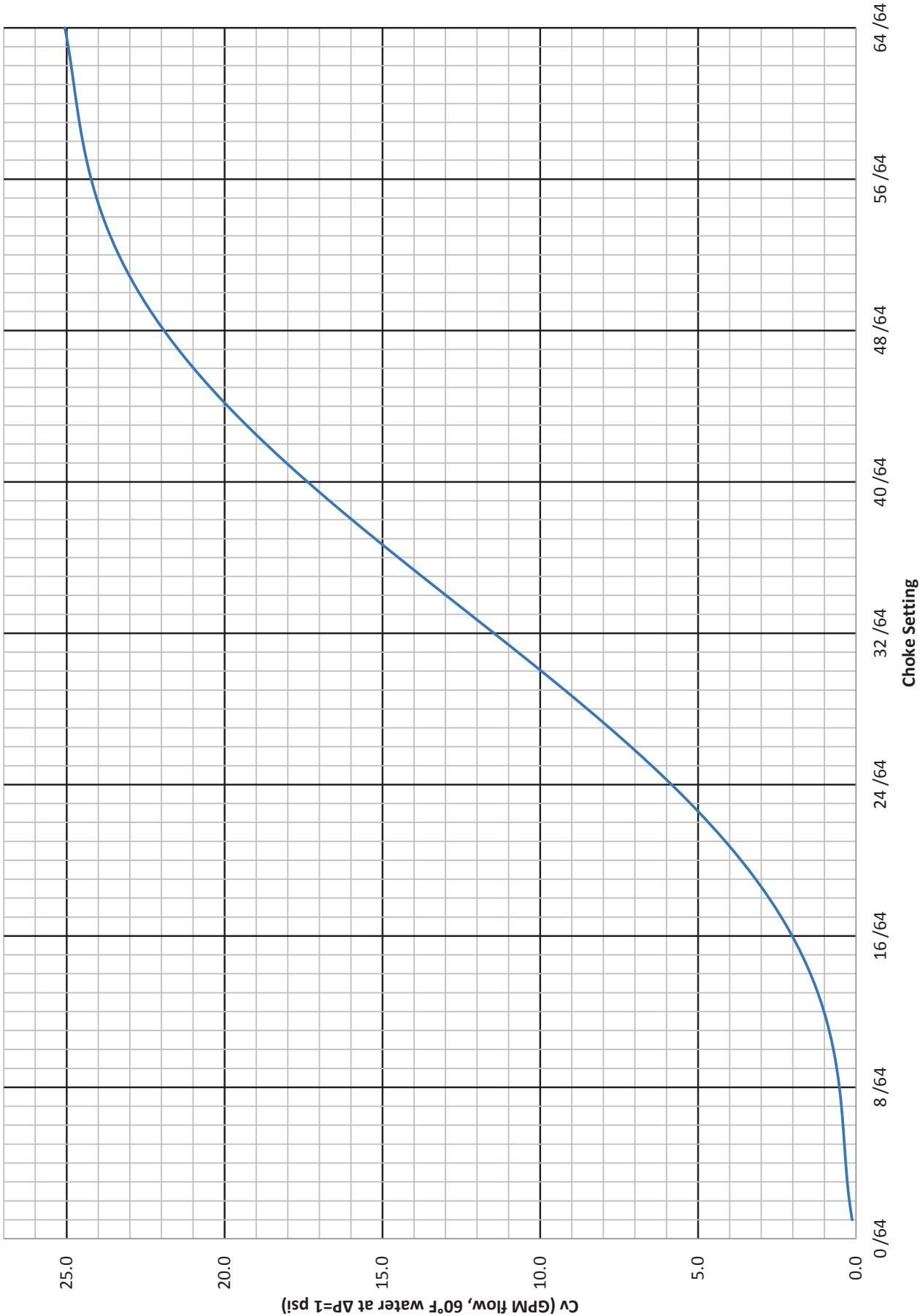
DIMENSIONS



- WEIGHT : 95 KG
- LENGTH : 850 MM
- WIDTH : 450 MM
- HEIGHT : 500 MM



Cv (1" MAX ORIFICE)



CHOKES

FLOW LINE

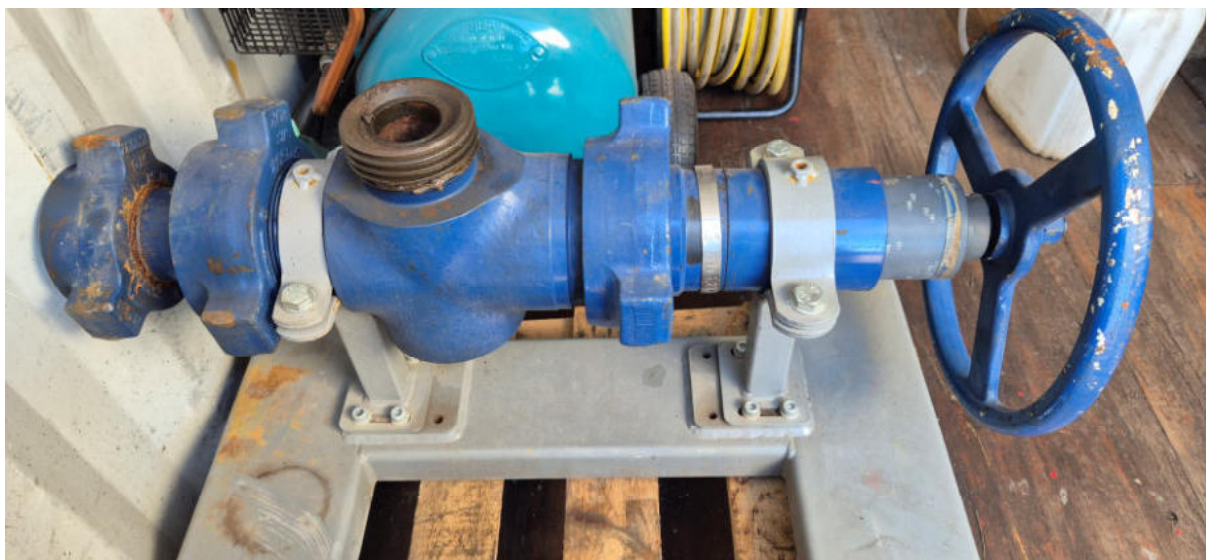


3" CHOKE 1502-2" MAX.2" ORIFICE

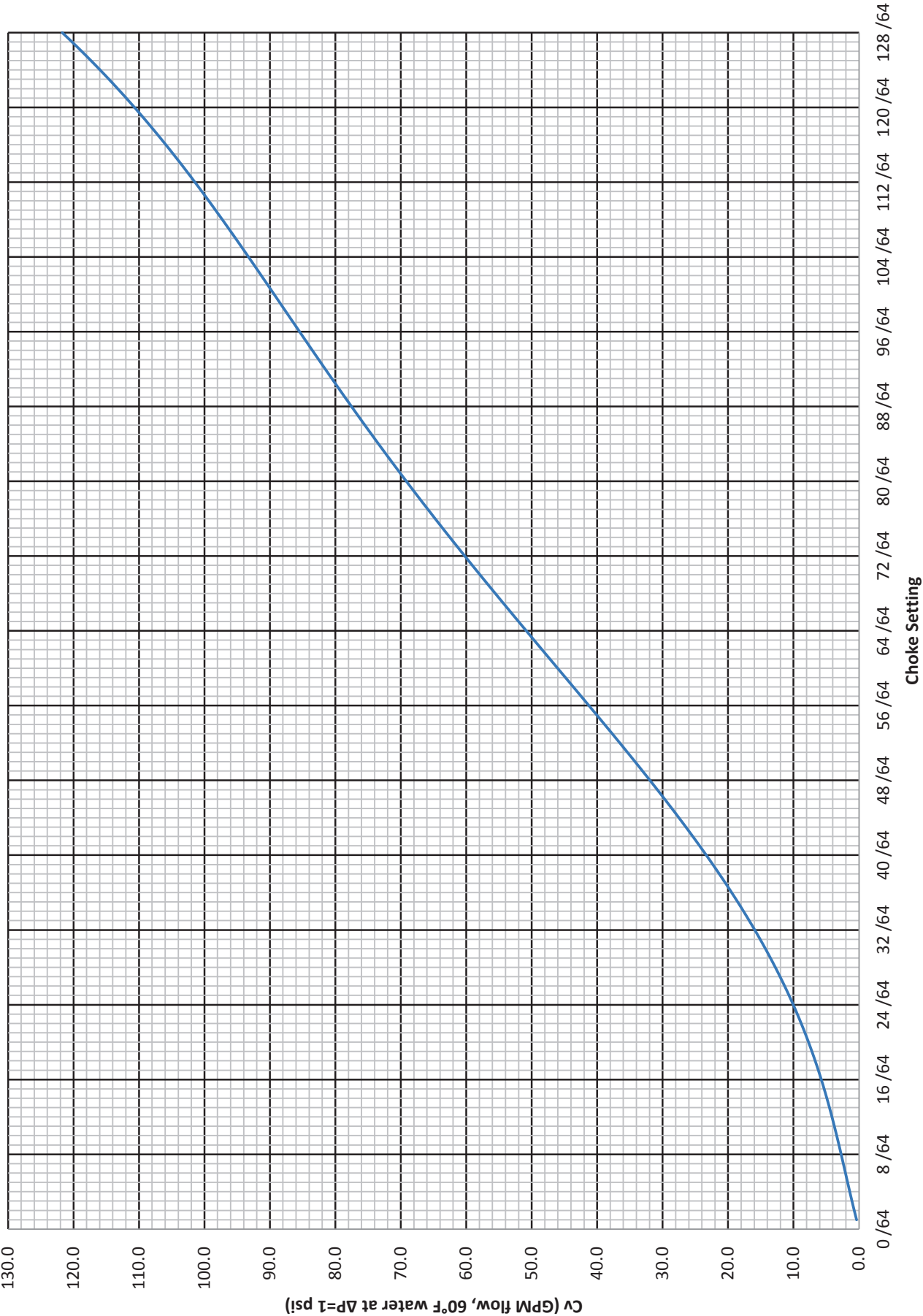
DIMENSIONS



- WEIGHT : 120 KG
- LENGTH : 900 MM
- WIDTH : 450 MM
- HEIGHT : 540 MM



Cv (2" MAX ORIFICE)



Electric devices

connecting box 125A



CONNECTION BOX 125A WITH FUSE

ELECTRICAL CONNECTION



Connection box for connecting to generator etc. With 5x cable lug 10mm, backup fuse 125A, connection 125 socket.



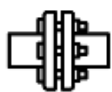
FLOWMETERS

SUCTION LINE



CORIOLIS FLOWMETERS LOW PRESSURE

SPECIFICATIONS AND CONNECTIONS



- FEWER PROCESS MEASURING POINTS MULTIVARIABLE MEASUREMENT (FLOW, DENSITY, TEMPERATURE)
- SPACE-SAVING INSTALLATION – NO IN-/OUTLET RUN NEEDS
- HIGHEST PROCESS SAFETY – IMMUNE TO FLUCTUATING AND HARSH ENVIRONMENTS
- 3" – 4" CONNECTIONS : FIG. 206 M/F, 16 BAR WP

MEASURING RANGE:

- 3": 0 KG/H (0 LB/MIN) - 180.000 KG/H (6.615 LB/MIN)
- 4": 0 KG/H (0 LB/MIN) - 350.000 KG/H (12.860 LB/MIN)

DIMENSIONS



- WEIGHT : 175 KG – 250 KG
- LENGTH : 1200 - 1400 MM
- WIDTH : 480 - 520 MM
- HEIGHT : 800 - 900 MM

ELECTRICAL CONNECTION



- 220V connection (5m)
- Three-pin plug (flow)
- Three-pin plug (density)



Data acquisition

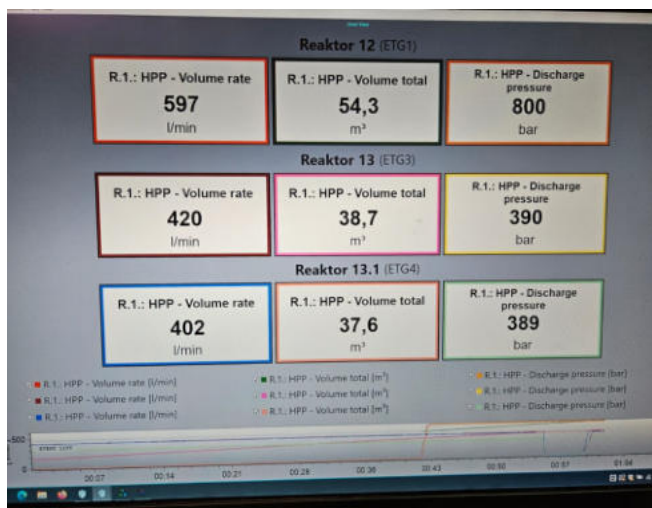
Package



DATA ACQUISITION

Available devices

LOW PRESSURE FLOW METER (WP MAX.16 BAR) 2"-8"
 HIGH PRESSURE FLOW METER (WP MAX. 1000 BAR) 2"-3"
 CORIOLIS LOW PRESSURE FLOW METER (WP MAX.16 BAR) 2"-3" (DENSITY)
 PRESSURE TRANSMITTER WP 0-1000 BAR
 PRESSURE TRANSMITTER ATEX II UP TO 1000 BAR WP
 TEMPERATURE SENSOR



POWER PACK

DIESEL



DNV + ATEX ENGINE CAT C18

A **POWER PACK** IS A CONTAINER WHICH HAS INSIDE AN ELECTRIC MOTOR OR DIESEL ENGINE - VARIOUS HORSE POWER AND EMISSION CLASSES – READY TO BE LINKED TO A **PUMP MODULE** THROUGH A CARDAN SHAFT. THIS CONTAINER IS DNV CERTIFIED AND ATEX ZONE II PROVE.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE PUMP MODULE CONFIGURATIONS.

MOST COMMON PUMP MODULE REQUIRED FOR THIS POWER PACK IS : **ALL PUMP MODULES**

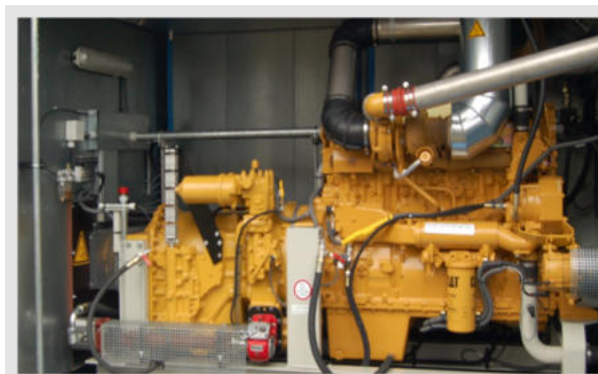
ENGINE



CAT C18 WITH 447 BKW

608 BHP @ 2100 RPM

TRANSMISSION

ALLISON 6000 SERIES, AUTOMATIC
TRANSMISSION WITH TORQUE CONVERTER

DIMENSIONS



WEIGHT : 10.000 KG

LENGTH : 3.798 MM

WIDTH : 2.438 MM

HEIGHT : 2.680 MM

OPTIONAL

(ATEX) REMOTE CONTROL

SOUNDPROOF ENCLOSURE

CENTRIFUGAL PUMP

EXTRA DIESEL TANK



PUMP MODULE



KAMAT 10000 WITH 55MM TO 75MM PLUNGERS

A **PUMP MODULE** IS A CONTAINER WHICH HAS INSIDE A HIGH-PRESSURE TRIPLEX PUMP – VARIOUS HORSE POWER AND PLUNGER SIZES – READY TO BE LINKED TO A POWER PACK THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE POWER PACK CONFIGURATIONS AND EMISSION CLASSES.

MOST COMMON POWER PACK REQUIRED FOR THIS PUMP MODULE IS **CAT C32**

TRIPLEX PUMP

- > KAMAT K100000-5G PLUNGER PUMP
- > MAX. 1000 KW
- > FLUID END : 55MM TO 75MM PLUNGERS
- > DISCHARGE CONNECTION: FIG.1502-2" F
- > SUCTION CONNECTION: 1502-3" F.



DIMENSIONS



- > WEIGHT : 8.500 KG
- > LENGTH : 2.180 MM
- > WIDTH : 2.438 MM
- > HEIGHT : 2.700 MM

OPTIONAL

- > (ATEX) REMOTE CONTROL
- > SOUNDPROOF ENCLOSURE
- > CENTRIFUGAL PUMP
- > EXTRA DIESEL TANK





Power Generator

FD 660 S-C

Article: 36112

Code: F.0660.SA-C4950T999-02



Main Features

- Digital voltage regulation $\pm 0,25\%$
- Three phase voltage control
- Low disturbance level THD $< 1,5\%$
- Alternator short circuit capacity $270\% I_n$ (optional 300%)
- Class H insulation
- Protection index IP23
- Performance class G3 (acc. ISO 8528-5)
- Ready to load just after start
- AMF and MRS functionality and protection
- Autonomy 9,5 h with 75% load

General Data

Maximum power ESP	712,0 kVA / 570,0 kW
Nominal power PRP	647,0 kVA / 518,0 kW
Nominal Current PRP	934,0 A
Frequency	50 Hz
Voltage	400 V
Emission standard	fuel optimized
Fuel	Diesel (EN 590)
Fuel tank capacity	990 l
Fuel consumption @ 50% / 75% 100% / 110% PRP	64,6 / 93,4 / 128,7 / 142 l/h
Autonomy @ 75% / 100% load	9,5 / 6,9 h
Weight without fuel	4960 kg
Dimensions L x W x H	5030 x 1750 x 2600 mm
Guaranteed noise power L_{wa}	103 dBA
Acoustic pressure @ 7m L_{pa}	72,1 $\pm$ 1 dBA

Main Components & Equipment

- Scania DC16 093A 02-54 engine
- Leroy Sommer TAL 0473 F alternator
- Brushless alternator
- Digital AVR
- ComAp IL-AMF25 Controller
- Schneider NS type generator circuit breaker
- GCB shunt release coil
- Linear automatic battery charger
- Engine heater
- Electronic speed governor
- Fuel system unit injectors, PDE
- Welded frame with 990 l fuel tank, spill containment and noise insulation
- Two fuel inlets
- Four lifting eyes
- Extended forklift skids for easy attachment to the ground

For details see page 3

Definitions

Nominal Power PRP:

Prime power available in variable load application in accordance with ISO 8528, 10% overload capacity is available for a period of 1 hour within a 12-hour period of operation. Average power consumption should not exceed 70% PRP for each 24-hour period of operation.

Maximum power ESP:

Emergency standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload allowed, limited to 200h of operation per year. Max mean load factor of 70% of rated power over 24-hour period of operation.

Norms and Directives

- Machinery directive 2006/42/EC
- Low voltage directive 2014/35/EU
- EMC directive 2014/30/EU
- Noise directive 2000/14/EC
- ISO 8528-1/2018, ISO 8528-5/2018
- ISO 8528-13:2016
- IEC 60204-1

Contact data

FOGO Sp. z o.o.

Święciechowska 36, 64-115 Wilkowice
agregaty@fogo.pl, www.fogo.pl

Engine

Manufacturer	Scania
Type	DC16 093A 02-54
Made in	Sweden
Engine power	545,0 kW
Emission standard	fuel optimized
Rotation per minute	1500 rpm
Engine governor	electronic
Governor class	G3 (ISO 8528-5)
Displacement	16,4 l
No of cylinder	8
Fuel system	unit injectors, PDE
Electrical system	24 V
Cooling system capacity	68,0 l
Oil pan capacity	48,0 l
Fuel type	Diesel (EN 590)

Alternator

Manufacturer	Leroy Sommer
Type	TAL 0473 F
Made in	Czech Republic
Nominal Voltage	400 V
Nominal power factor (cos φ)	0,8
Ambient temperature, altitude	40 °C, 1000 m a.s.l.
Nominal Power	660,0 kVA
Protection index	IP 23
No of bearing	Single bearing
Coupling	Direct
Technology	Brushless
Short circuit maintaining capacity	270% 10s
Efficiency	95,0 %
Insulation class	H
Total harmonic content THD	<1,5 %
Reactance Xd"	12 %
Voltage regulator type	AVR, digital
Voltage measurement	3 phase
Voltage accuracy	+/- 0,25 %
AVR supply system	AREP+
AVR supply optional	PMG

Controller

- Controller type: ComAp IntelliLite AMF 25
- Support of Dual AMF/MRS applications
- Direct communication with EFI engines
- Total remote monitoring and control
- Intuitive operator interface, adjustable Main Screen
- Real time clock
- Comprehensive history log with up to 350 events
- 3 phase true RMS current and voltage measurement
- Both mains and generator voltage detection
- Active/Reactive Power and Power Factor per phase measurement
- Run Hours counter with source selector
- 3 maintenance timers (counting even under zero)
- Multipurpose flexible timers (also for rental)
- Battery voltage measurement
- Complete engine and alternator protection
- CAN modules support
- USB port on-board
- 2 slots for plug-in modules
- Plug-in module concept for more capabilities (RS232, RS485, Ethernet, GPRS, 4G/LTE, Modbus, SNMP, emails, SMS, I/Os)
- Cloud-based monitoring and control via WebSupervisor (optional module required)
- Geofencing and tracking via WebSupervisor (optional module required)
- Control and monitoring over SMS (GSM module required)
- 3 levels of password protection
- In-built PLC, complemented with a monitoring/debugging tool, for additional functionality, if required
- Spare inputs and outputs available by default: binary input – 2, binary output – 1, analogue input – 3,
- A version for low temperature is also available





Power Generator

FD 660 S-C

Article: 36112
Code: F.0660.SA-C4950T999-02

Standard equipment

- Scania DC16 093A 02-54 engine
- Electronic engine speed governor
- Oil low pressure switch
- Oil pressure sensor
- Engine high temperature switch
- Engine high temperature sensor
- Engine preheating with thermostat
- Engine oil Titan Cargo 15W40
- Fuel filter with water separator
- Coolant Fuchs Maintain Fricofin LL-50
- Coolant inlet outside, on the top of the canopy
- Starting batteries 2x180Ah
- Linear automatic battery charger
- Leroy Sommer TAL 0473 F alternator
- Digital AVR
- GCB Schneider NS1000 3P + Micrologic 2.0
- GCB shunt release coil
- Busbar power output
- ComAp IL-AMF25 controller
- Acoustic alarm
- Emergency stop button
- Silenced canopy, RAL 7024
- Fuel tank integrated with a frame and spill containment
- Two fuel inlets inside the canopy
- Fuel level indicator
- Engine and alternator anti vibration mounts
- Exhaust silencer with compensator
- Fork lift supports and lifting eyes

Optional equipment

- Oil draining hand pump
- Battery disconnecter
- 4P Schneider NS Micrologic 2.0 GCB
- Power Lock type power output
- Transfer switch controlled by generator controller
- Transfer switch with ATS controller
- ATS accessories for outdoor application
- GPRS communication card
- Ethernet card
- RS 485, RS 232 card
- Remote display
- Fuel inlet outside of the canopy with lock
- Generator spill containment level detector
- External, double wall fuel tank 1 000 – 10 000 l
- Fuel tank filling pump and shut-off valve

Maintenance guidelines

Fuel filters replacement	500 h / 1 year
Oil replacement	After first 100h, then every 500 h / 1 year
Oil filters replacement	After first 100h, then every 500 h / 1 year
Coolant replacement	1000 h / 2 years
Air filter replacement	500 h
Battery replacement	2 years
Electrical installation	According to local requirements, at least once per year

Installation guidelines

Power terminal	Busbar
Recommended cable for up to 30m power cable way	Flexible 3x5x150 mm ²
Recommended cable for do 30m generator heater supply	Flexible 3x2,5 mm ²
Exhaust pipe min diameter (max. 7 m, 4 bends)	159 mm
Exhaust pipe min diameter (max. 15 m, 4 bends)	

*For additional cable connection with FOGO ATS see ATS wiring diagram

Filter

WATER



SUCTION DOUBLE FILTER 4"

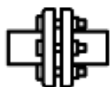
OPERATING TEMPERATURES



-40°C TO +65°C



SPECIFICATIONS AND CONNECTIONS



INLET: FLANGE DN 150, EQUIPPED ACCORDING TO CUSTOMER REQUIREMENTS, PRESSURE GAUGE AND TWO BUTTERFLY



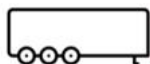
OUTLET: FLANGE DN 150, EQUIPPED ACCORDING TO CUSTOMER REQUIREMENTS, PRESSURE GAUGE AND TWO BUTTERFLY



FILTER: EASY CLEANING, DIFFERENT FILTER SIZES POSSIBLE



DIMENSIONS



EMPTY WEIGHT : 1.000 KG



LENGTH : 2.500MM



WIDTH : 400 MM



HEIGHT : 1500 MM



Manifold

WATER



SUCTION MANIFOLD 8"

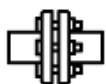
OPERATING TEMPERATURES



-40°C TO +85°C



SPECIFICATIONS AND CONNECTIONS



OUTSIDE: ONE SIDE FIG.206-8", OTHER SIDE 8" FLANGE



FRONT: 8X FIG.206-4" CONNECTION WITH BUTTERFLY VALVE

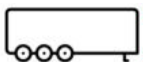


REAR SIDE: 2X FIG.206-6" CONNECTION WITH BUTTERFLY VALVE



2X LIFTING EYES

DIMENSIONS



EMPTY WEIGHT : 1.000 KG



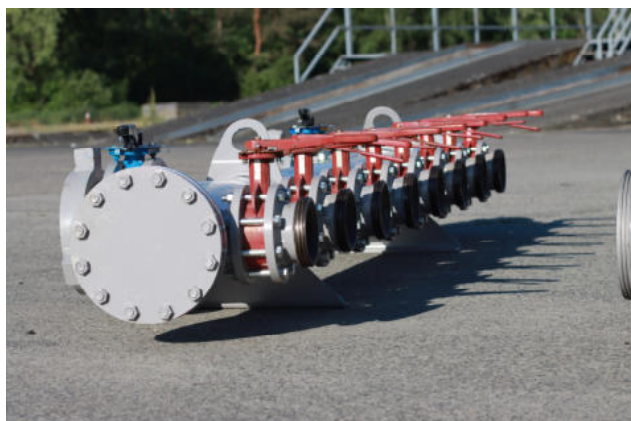
LENGTH : 4.300MM



WIDTH : 800 MM



HEIGHT : 600 MM



PUMP MODULE



HDD MUD PUMP MPC7080

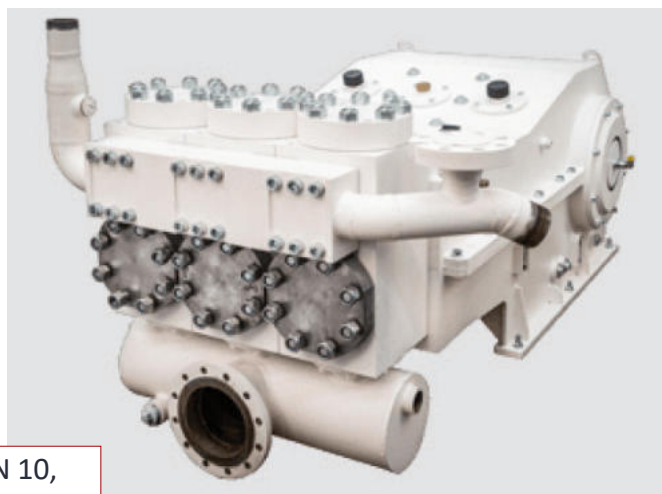
A **PUMP MODULE** IS A CONTAINER WHICH HAS INSIDE A HIGH-PRESSURE TRIPLEX PUMP – VARIOUS HORSE POWER AND PLUNGER SIZES – READY TO BE LINKED TO A POWER PACK THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE POWER PACK CONFIGURATIONS AND EMISSION CLASSES.

MOST COMMON POWER PACK REQUIRED FOR THIS PUMP MODULE IS : **ALL POWER PACKS**

TRIPLEX PUMP

- > GEARS MPC 7080
- > MAX. 780 BHP
- > FLUID END : 4" UP TO 7" PISTON
- > DISCHARGE CONNECTION: FIG.1502-4" F, OTHER OPTIONS POSSIBLE
- > SUCTION CONNECTION: FLANGE DN 200, PN 10, OTHER OPTIONS POSSIBLE



DIMENSIONS



- > WEIGHT : 9.800 KG
- > LENGTH : 2.180 MM
- > WIDTH : 2.438 MM
- > HEIGHT : 2.591 MM

OPTIONAL

- > (ATEX) REMOTE CONTROL
- > SOUNDPROOF ENCLOSURE
- > CENTRIFUGAL PUMP
- > EXTRA DIESEL TANK



POWER PACK

ELECTRIC



DANFOSS EM-PMI540 ELECTRIC MOTOR

A **POWER PACK** IS A CONTAINER WHICH HAS INSIDE AN ELECTRIC MOTOR OR DIESEL ENGINE - VARIOUS HORSE POWER AND EMISSION CLASSES – READY TO BE LINKED TO A **PUMP MODULE** THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE PUMP MODULE CONFIGURATIONS.

MOST COMMON PUMP MODULE REQUIRED FOR THIS POWER PACK IS **ALL PUMP MODULE**

ELECTRIC MOTOR



DANFOSS EM-PMI540, WITH 400 BKW

544 BHP @ 2100 RPM

TRANSMISSION

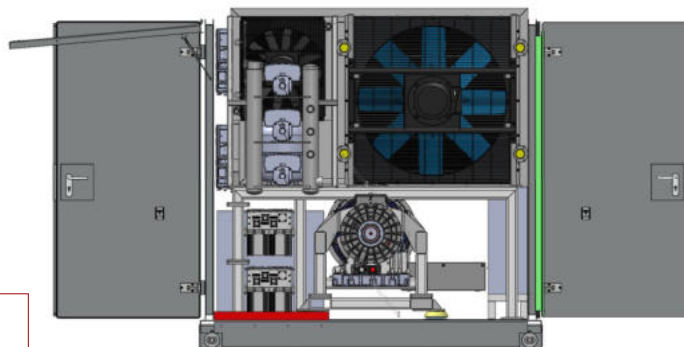


ALLISON 4700 SERIES, AUTOMATIC TRANSMISSION WITH TORQUE CONVERTER

DIMENSIONS



WEIGHT : 9.000 KG
LENGTH : 3.798 MM
WIDTH : 2.438 MM
HEIGHT : 2.680 MM



OPTIONAL

(ATEX) REMOTE CONTROL

CENTRIFUGAL PUMP



PUMP MODULE

C-PUMP



CAPRARI PMXHT 1009A

A **PUMP MODULE** IS A CONTAINER WHICH HAS INSIDE A HIGH-PRESSURE TRIPLEX PUMP – VARIOUS HORSE POWER AND PLUNGER SIZES – READY TO BE LINKED TO A POWER PACK THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE POWER PACK CONFIGURATIONS AND EMISSION CLASSES.

MOST COMMON POWER PACK REQUIRED FOR THIS PUMP MODULE IS : ALL POWER PACKS UP TO 500 KW

CENTRIFUGAL PUMP

- > CAPRARI PMXHT 100/9
- > MAX. Pressure 75 BAR, MAX. Temp. 90°C
- > RATE : MAX. 200 M³/H
- > DISCHARGE CONNECTION: FLANGE DN 100, PN 100
- > SUCTION CONNECTION: FLANGE DN 125, PN 40



DIMENSIONS



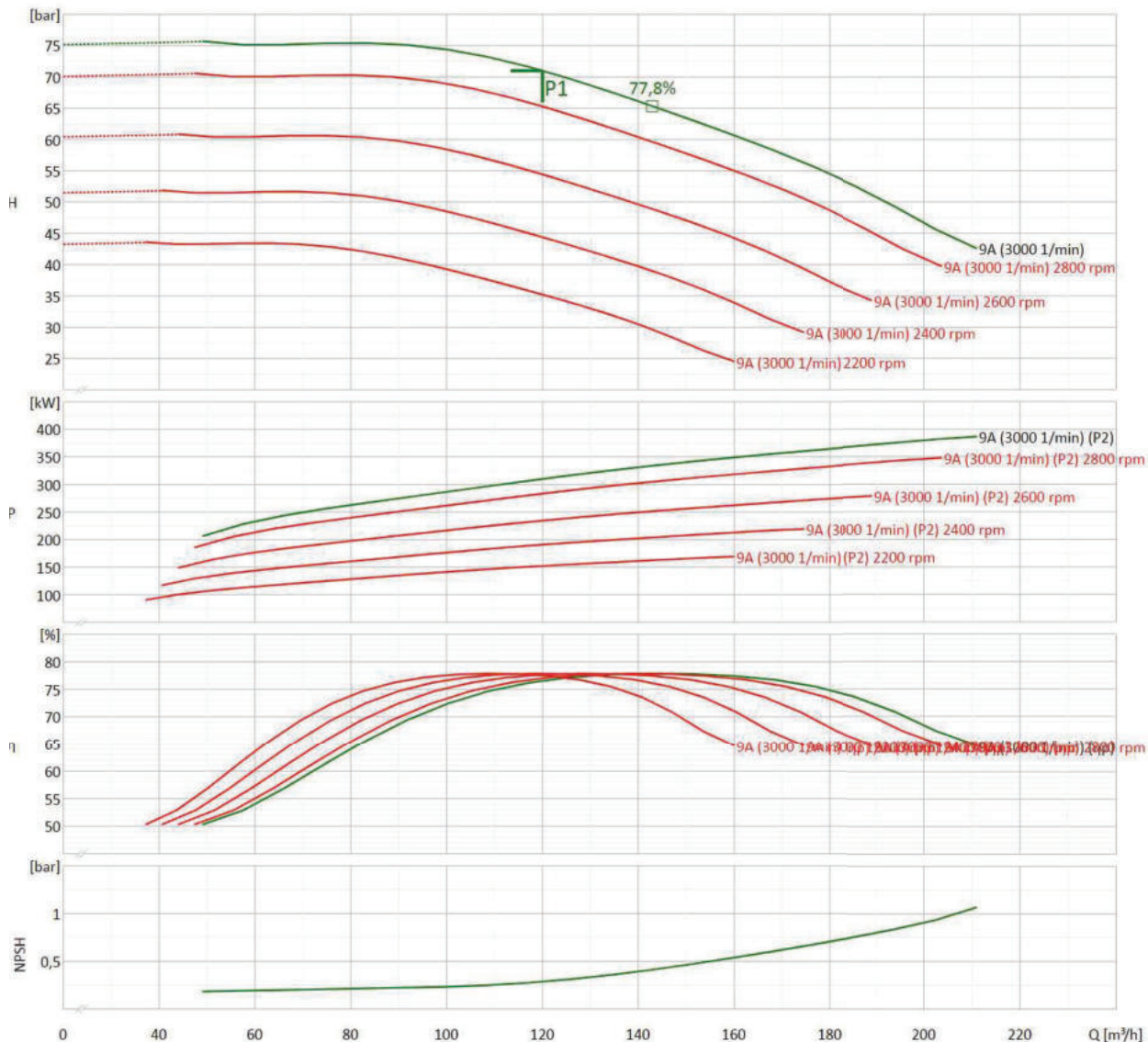
- > WEIGHT : 5.000 KG
- > LENGTH : 2.180 MM
- > WIDTH : 2.438 MM
- > HEIGHT : 2.591 MM

OPTIONAL

- > (ATEX) REMOTE CONTROL
- > SOUNDPROOF ENCLOSURE
- > CENTRIFUGAL PUMP
- > EXTRA DIESEL TANK



Verlangte Fördermenge	120 m³/h	Modell	PMHT100/9A
Verlangte Förderhöhe	71 bar		



BETRIEBSDATEN - ISO 9906:2012 3B -

Q [m³/h]	H [bar]	P [kW]	η [%]	NPSH [bar]	Drehzahl

ANGEBOT Nr. 22-D1-0542

Pos.
1.1

Datum
10.08.2022

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PUMP MODULE

C-PUMP



KSB MULTITEC 125/3

A **PUMP MODULE** IS A CONTAINER WHICH HAS INSIDE A HIGH-PRESSURE TRIPLEX PUMP – VARIOUS HORSE POWER AND PLUNGER SIZES – READY TO BE LINKED TO A POWER PACK THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE POWER PACK CONFIGURATIONS AND EMISSION CLASSES.

MOST COMMON POWER PACK REQUIRED FOR THIS PUMP MODULE IS : ALL POWER PACKS UP TO 500 KW

CENTRIFUGAL
PUMP

> KSB MULTITEC C 125/3-10.1

> MAX. 40 BAR

> RATE : MAX. 430 M³/H

> DISCHARGE CONNECTION: FLANGE DN 125, PN 40

> SUCTION CONNECTION: FLANGE DN 150, PN 16



DIMENSIONS



> WEIGHT : 5.000 KG

> LENGTH : 2.180 MM

> WIDTH : 2.438 MM

> HEIGHT : 2.591 MM

OPTIONAL

>

>

>

CENTRIFUGAL PUMP

>

PUMP MODULE

C-PUMP



KSB MULTITEC 125/3

A **PUMP MODULE** IS A CONTAINER WHICH HAS INSIDE A HIGH-PRESSURE CENTRIFUGAL PUMP – READY TO BE LINKED TO A POWER PACK THROUGH A CARDAN SHAFT.

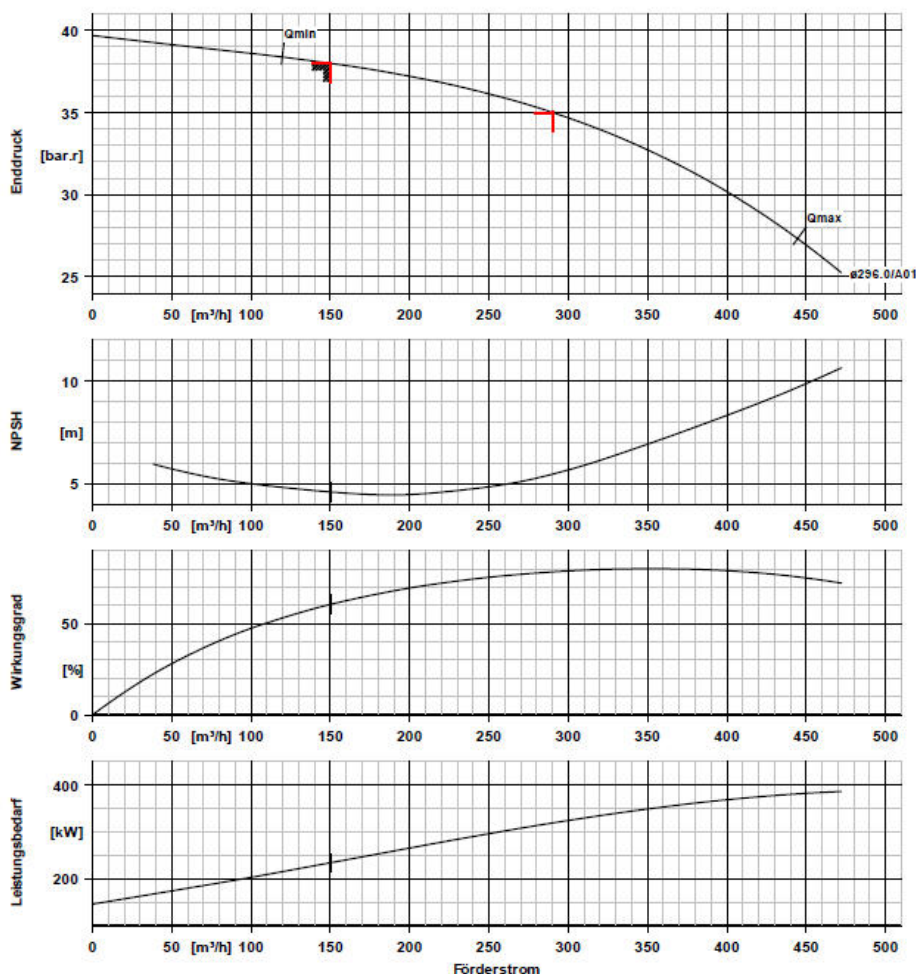
DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE POWER PACK CONFIGURATIONS AND EMISSION CLASSES.

MOST COMMON POWER PACK REQUIRED FOR THIS PUMP MODULE IS : ALL GEARS RENTALS POWER PACKS UP TO 500 KW

CENTRIFUGAL PUMP

Multitec C 125/3-10.1 10.181

Versions-Nr.: 1



PUMP MODULE



HT400 WITH 3-3/8" TO 6" PLUN. DNV 2.7-1 CERTIFIED FRAME

A **PUMP MODULE** IS A CONTAINER WHICH HAS INSIDE A HIGH-PRESSURE TRIPLEX PUMP – VARIOUS HORSE POWER AND PLUNGER SIZES – READY TO BE LINKED TO A POWER PACK THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE POWER PACK CONFIGURATIONS AND EMISSION CLASSES.

MOST COMMON POWER PACK REQUIRED FOR THIS PUMP MODULE IS **CAT C15** POWER PACK

TRIPLEX PUMP

- > HT400
- > MAX. 600 BHP
- > FLUID END : 3-3/8" TO 6" PLUNGERS
- > DISCHARGE CONNECTION: FIG.1502-3" F, (3-3/8" FIG.2002-2" F).
- > SUCTION CONNECTION: ACCORDING TO CUSTOMER REQUIREMENTS.



DIMENSIONS



- > WEIGHT : 5.000 KG
- > LENGTH : 2.180 MM
- > WIDTH : 2.438 MM
- > HEIGHT : 2.591 MM



OPTIONAL

- > PRV, CROSSOVER, ETC. FLOW LINE
- > CENTRIFUGAL PUMP
- > SPECIAL PACKING FOR PUMP

POWER PACK

DIESEL



PP CUMMINS ISX15 DNV 2.7-1 CERTIFIED FRAME

A **POWER PACK** IS A CONTAINER WHICH HAS INSIDE AN ELECTRIC MOTOR OR DIESEL ENGINE - VARIOUS HORSE POWER AND EMISSION CLASSES – READY TO BE LINKED TO A **PUMP MODULE** THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE PUMP MODULE CONFIGURATIONS.

MOST COMMON PUMP MODULE REQUIRED FOR THIS POWER PACK IS THE **HT 400**

ENGINE



CUMMINS ISX15 WITH 447 BKW

600 BHP @ 2100 RPM

TRANSMISSION



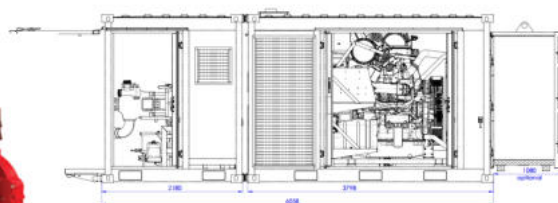
ALLISON 6000 SERIES, AUTOMATIC
TRANSMISSION WITH TORQUE CONVERTER



DIMENSIONS



WEIGHT : 10.000 KG
LENGTH : 3.798 MM
WIDTH : 2.438 MM
HEIGHT : 2.680 MM



OPTIONAL

(ATEX) REMOTE CONTROL

CENTRIFUGAL PUMP

EXTRA DIESEL TANK



PUMP MODULE



SPM TWS 600 WITH 2,5" TO 4.5" PLUN. DNV 2.7-1 CERTIFIED FRAME

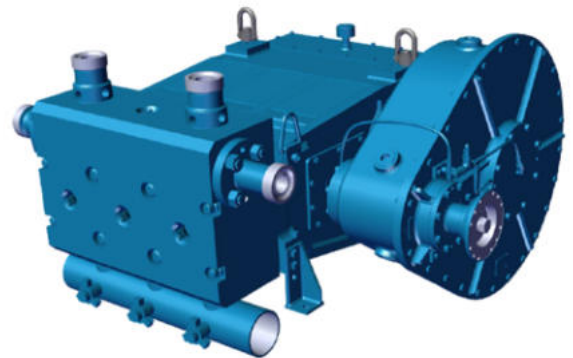
A **PUMP MODULE** IS A CONTAINER WHICH HAS INSIDE A HIGH-PRESSURE TRIPLEX PUMP – VARIOUS HORSE POWER AND PLUNGER SIZES – READY TO BE LINKED TO A POWER PACK THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE POWER PACK CONFIGURATIONS AND EMISSION CLASSES.

MOST COMMON POWER PACK REQUIRED FOR THIS PUMP MODULE IS **CAT C15**

TRIPLEX PUMP

- SPM TWS 600 TRIPLEX PUMP
- MAX. 600 BHP
- FLUID END : 2,5" TO 4.5" PLUNGERS
- DISCHARGE CONNECTION: FIG.1502-3"/2" F
- SUCTION CONNECTION: ACCORDING TO CUSTOMER REQUIREMENTS.



DIMENSIONS



- WEIGHT : 6.900 KG
- LENGTH : 2.180 MM
- WIDTH : 2.438 MM
- HEIGHT : 2.700 MM

OPTIONAL

- PRV, CROSSOVER, ETC. FLOW LINE
- CENTRIFUGAL PUMP
- SPECIAL PACKING FOR PUMP

POWER PACK

DIESEL



PP CUMMINS ISX15 DNV 2.7-1 CERTIFIED FRAME

A **POWER PACK** IS A CONTAINER WHICH HAS INSIDE AN ELECTRIC MOTOR OR DIESEL ENGINE - VARIOUS HORSE POWER AND EMISSION CLASSES – READY TO BE LINKED TO A **PUMP MODULE** THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE PUMP MODULE CONFIGURATIONS.

MOST COMMON PUMP MODULE REQUIRED FOR THIS POWER PACK IS THE **HT 400**

ENGINE



CUMMINS ISX15 WITH 447 BKW

600 BHP @ 2100 RPM

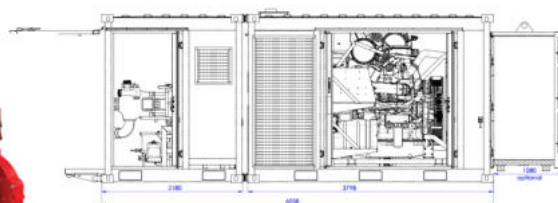
TRANSMISSION


ALLISON 6000 SERIES, AUTOMATIC
TRANSMISSION WITH TORQUE CONVERTER


DIMENSIONS



WEIGHT : 10.000 KG
LENGTH : 3.798 MM
WIDTH : 2.438 MM
HEIGHT : 2.680 MM



OPTIONAL

(ATEX) REMOTE CONTROL

CENTRIFUGAL PUMP

EXTRA DIESEL TANK



PUMP MODULE



SPM TWS 600 WITH 2,5" TO 4.5" PLUN. DNV 2.7-1 CERTIFIED FRAME

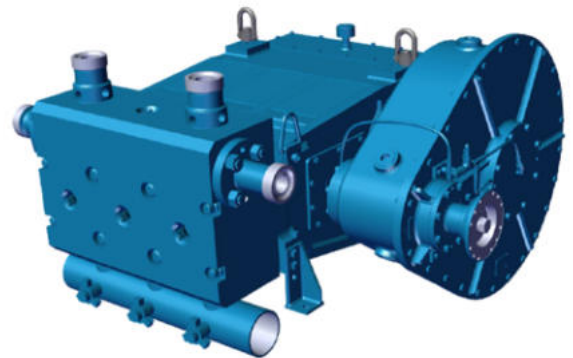
A **PUMP MODULE** IS A CONTAINER WHICH HAS INSIDE A HIGH-PRESSURE TRIPLEX PUMP – VARIOUS HORSE POWER AND PLUNGER SIZES – READY TO BE LINKED TO A POWER PACK THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE POWER PACK CONFIGURATIONS AND EMISSION CLASSES.

MOST COMMON POWER PACK REQUIRED FOR THIS PUMP MODULE IS **CAT C15**

TRIPLEX PUMP

- > SPM TWS 600 TRIPLEX PUMP
- > MAX. 600 BHP
- > FLUID END : 2,5" TO 4.5" PLUNGERS
- > DISCHARGE CONNECTION: FIG.1502-3"/2" F
- > SUCTION CONNECTION: ACCORDING TO CUSTOMER REQUIREMENTS.



DIMENSIONS



- > WEIGHT : 6.900 KG
- > LENGTH : 2.180 MM
- > WIDTH : 2.438 MM
- > HEIGHT : 2.700 MM

OPTIONAL

- > PRV, CROSSOVER, ETC. FLOW LINE
- > CENTRIFUGAL PUMP
- > SPECIAL PACKING FOR PUMP

POWER PACK

DIESEL



PP CUMMINS ISX15 DNV 2.7-1 CERTIFIED FRAME

A **POWER PACK** IS A CONTAINER WHICH HAS INSIDE AN ELECTRIC MOTOR OR DIESEL ENGINE - VARIOUS HORSE POWER AND EMISSION CLASSES – READY TO BE LINKED TO A **PUMP MODULE** THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE PUMP MODULE CONFIGURATIONS.

MOST COMMON PUMP MODULE REQUIRED FOR THIS POWER PACK IS THE **HT 400**

ENGINE



CUMMINS ISX15 WITH 447 BKW

600 BHP @ 2100 RPM

TRANSMISSION



ALLISON 6000 SERIES, AUTOMATIC
TRANSMISSION WITH TORQUE CONVERTER



DIMENSIONS

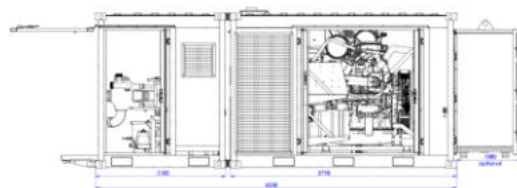


WEIGHT : 10.000 KG

LENGTH : 3.798 MM – 4.878MM WITH SOUND ENCLOSURE

WIDTH : 2.438 MM

HEIGHT : 2.680 MM



OPTIONAL

(ATEX) REMOTE CONTROL

SOUNDPROOF ENCLOSURE

CENTRIFUGAL PUMP

EXTRA DIESEL TANK



PUMP MODULE



SPM TWS2250 WITH 3,75" TO 7,5" PLUNGERS

A **PUMP MODULE** IS A CONTAINER WHICH HAS INSIDE A HIGH-PRESSURE TRIPLEX PUMP – VARIOUS HORSE POWER AND PLUNGER SIZES – READY TO BE LINKED TO A POWER PACK THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE POWER PACK CONFIGURATIONS AND EMISSION CLASSES.

MOST COMMON POWER PACK REQUIRED FOR THIS PUMP MODULE IS **CAT C32**

TRIPLEX PUMP

- > SPM 2250
- > MAX. 2200 BHP
- > FLUID END : 3,75" TO 7,5" PLUNGERS
- > DISCHARGE CONNECTION: FIG.1502-2"/3" F
- > SUCTION CONNECTION: ACCORDING TO CUSTOMER REQUIREMENTS.



DIMENSIONS



- > WEIGHT : 9.500 KG
- > LENGTH : 2.918 MM
- > WIDTH : 2.438 MM
- > HEIGHT : 2.700 MM

OPTIONAL

- > (ATEX) REMOTE CONTROL
- > SOUNDPROOF ENCLOSURE
- > CENTRIFUGAL PUMP
- > EXTRA DIESEL TANK



POWER PACK

DIESEL



CAT C32 TIER 4 FINAL AND EU STAGE V

A **POWER PACK** IS A CONTAINER WHICH HAS INSIDE AN ELECTRIC MOTOR OR DIESEL ENGINE - VARIOUS HORSE POWER AND EMISSION CLASSES – READY TO BE LINKED TO A **PUMP MODULE** THROUGH A CARDAN SHAFT.

DEPENDING ON THE CLIENT REQUIREMENTS, IT CAN BE COUPLED WITH ONE OF THE MULTIPLE PUMP MODULE CONFIGURATIONS.

MOST COMMON PUMP MODULE REQUIRED FOR THIS POWER PACK IS THE **SPM TWS2250**

ENGINE



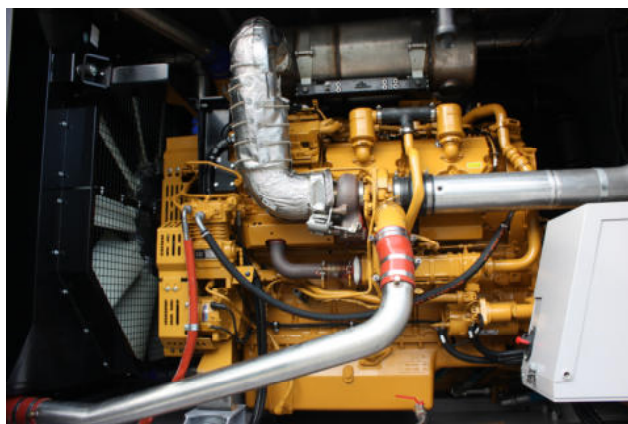
CAT C32 WITH 839 BKW

1140 BHP @ 1800 RPM

TRANSMISSION


CAT TH48-E70, AUTOMATIC TRANSMISSION
WITH TORQUE CONVERTER

7 GEARS ELECTRIC CONTROLLED



DIMENSIONS



WEIGHT : 13.000 KG

LENGTH : 6.068 MM – 7.140MM WITH SOUND ENCLOSURE

WIDTH : 2.438 MM

HEIGHT : 2.700 MM

OPTIONAL

(ATEX) REMOTE CONTROL

SOUNDPROOF ENCLOSURE

CENTRIFUGAL PUMP

EXTRA DIESEL TANK



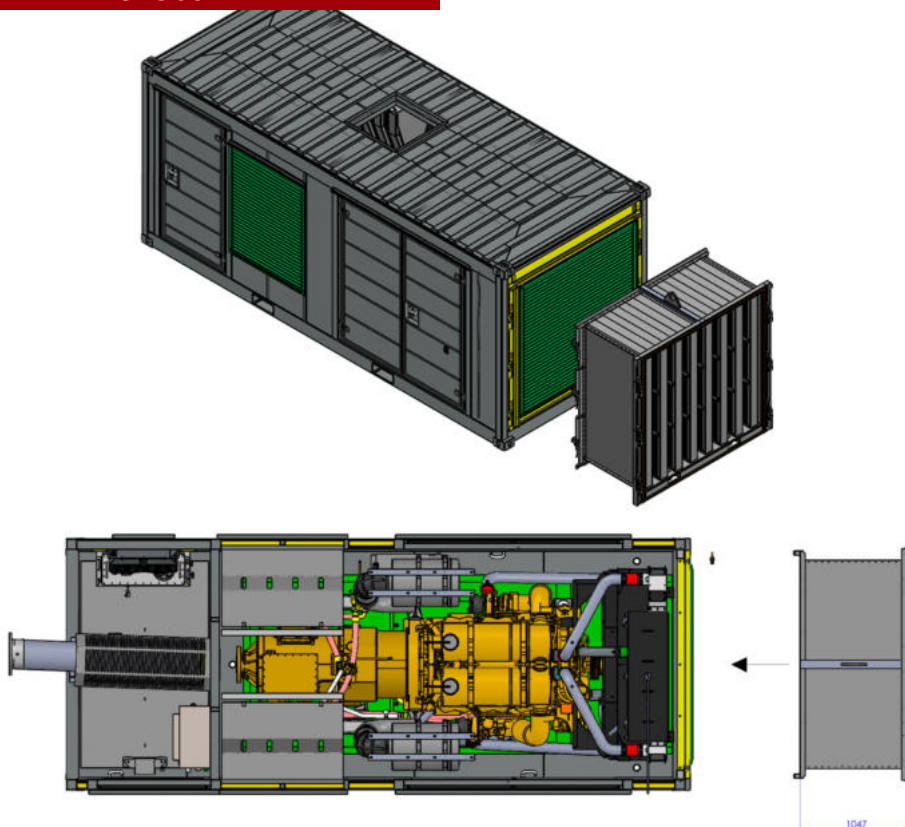
POWER PACK

DIESEL

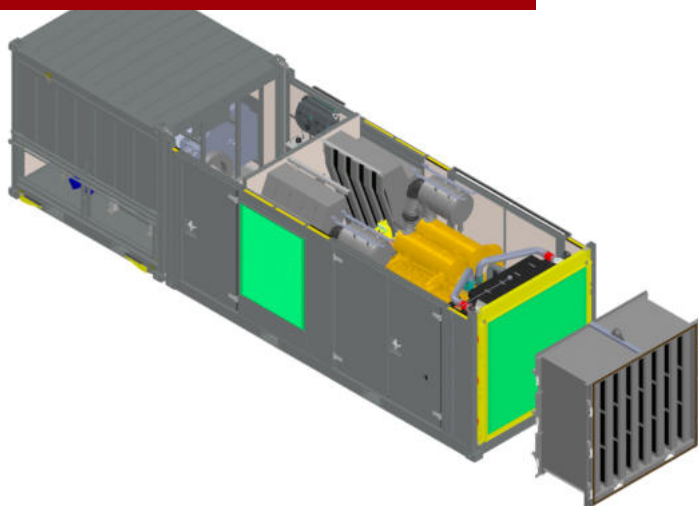


CAT C32 TIER 4 FINAL AND EU STAGE V

POWER PACK + SOUNDPROOF ENCLOSURE



PUMP MODULE + POWER PACK + SOUNDPROOF ENCLOSURE



Trailer

up to 15t



TRAILER LAFETTE FOR GEARS PUMP CONTAINER



DIMENSIONS



WEIGHT : 2.570 KG MAX. WEIGHT: 18.000 KG
LENGTH : 8.823 MM
WIDTH : 2.480 MM
HEIGHT : 4.000 MM WITH CONTAINER

OPTIONAL

CENTRIFUGAL PUMP