AUXILIARY POWER UNIT

Air Conditioning

Air conditioning remains operational during idle with main engine OFF

Battery Charge

Charges flat batteries and acts as a backup power source during main engine failure

Compressed Air

Fill air tanks fast and air start after shutdown with no need for a service truck

XLM

XLM APU

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THE XLM APU OPERATES SERVICES ON YOUR ASSET, ALLOWING YOU TO TURN THE MAIN ENGINE OFF WHEN YOU WOULD NORMALLY IDLE - USING ONLY 1 LITRE OF DIESEL PER HOUR.

XLM's APU is an innovative idle reduction system created for mine haul trucks, hydraulic excavators and large diesel powered mining equipment. The APU allows the main engine to shut off at idle, with sufficient power or charge capacity to run the air conditioning and other critical operating systems.

The APU consumes around 1.0 litre of diesel per hour at full load, compared to 15-70 litres per hour for the main engine of some mining equipment at idle. With typical mining asset idle times in the range of 10-40% there are significant cost and operational benefits associated with the deployment of XLM's APU.

The small form factor unit (600x600x700), is designed for a low-impact installation on the deck of an asset, with minimal impact on the asset itself.

XLM's unique "Small Engine" systems are designed and built, predominately using CAT parts and other high quality components. High output alternators, combined with smart-charge regulators will charge the main battery bank, including AGM, Lithium and Lead Acid battery types.

In addition, the APU itself only requires servicing every 500 hours.

POWER RATING

MAXIMUM POWER	13.7 HP
MAXIMUM TORQUE	22.0 LB-FT @1600 RPM
RATED SPEED	2000-3600 RPM
MINIMUM POWER	11.0 HP

EMISSION STANDARDS

EMISSIONS	U.S EPA TIER 4 FINAL

GENERAL

ENGINE CONFIGURATION	IN-LINE 2
BORE	6.6 CM
STROKE	7.1 CM
DISPLACEMENT	78.74 CM^3
COMPRESSION RATIO	59.69:2.54
ASPIRATION	NATURALLY ASPIRATED (NA)
COMBUSTION SYSTEM	INDIRECT INJECTION
ROTATION FROM FLYWHEEL END	COUNTERCLOCKWISE
VOLTAGE	12V

APU DIMENSIONS - APPROX

LENGTH	600mm
WIDTH	600mm
HEIGHT	700mm
WEIGHT - NET DRY - BASIC OPERATING ENGINE	120kgs

FOR HAUL TRUCKS AND EXCAVATORS

Designed specifically for Haul Trucks and Excavators, the savings are immediate and substantial.

For every hour you would traditionally idle, using the XLM APU you will:

- Only burn 1 litre of fuel per hour
- Stop adding hours to the engine and asset life (extending asset life and time between services)
- Increase productivity with more up time due to less servicing
- Significantly reduce your CO2 emmissions
- Charge the batteries of your asset
- Have immediate access to backup power in case of battery, alternator or engine failure

In conjunction with the optional XLM Air Compressor you will also have the ability to:

- Fill the air tanks and Air Start your fleet of assets in minutes without the need of a Service Truck
- Operate air tools, from the deck for in-field maintenance

Other features include:

- Global parts supply from CAT
- Manual and remote start functions from an in-cab control box
- Simple and safe servicing with a fitted pressure relief radiator cap, oil drain hose, single side service panel and self tensioning belt drive
- Industrial top mounted emergency stop system
- 12V start system complete with internal battery operating independently of the main engine batteries and complete with a 24V isolation system
- Onboard engine protection system with LCD screen for low oil, high temp, over rev elements plus engine hour and service interval alarms
- Industry standard IP rated deutsch wiring connectors
- On-board electric and mechanical lift pumps with primer
- Industrial grade fuel fittings with onboard oneway valve to keep fuel to the APU at all times
- Quick release HVAC fittings for easy removal and servicing

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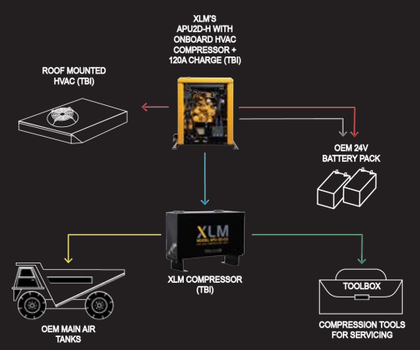
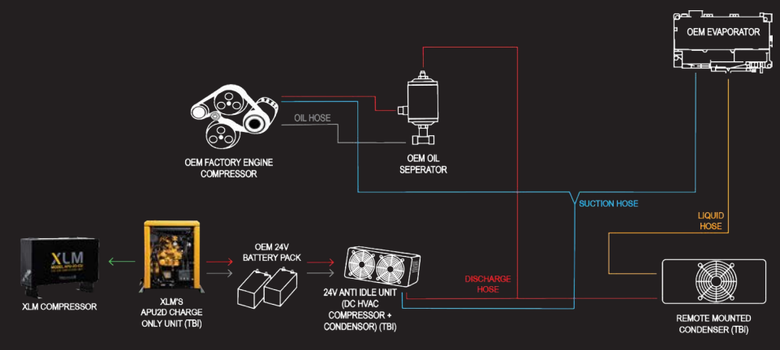
STRAIGHT FORWARD INSTALLATION WITH MINIMAL IMPACT

The XLM APU is designed to bolt directly to the deck or to any other logical position on the asset. Designed specifically to minimise impact, the APU's small form factor, quick release connections and roof or side mounted HVAC options allows you to install the unit quickly and start saving.

APU2D-H
CHARGE AND HVAC UNIT



APU2D
CHARGE ONLY UNIT



*OEM - Existing equipment on asset
* TBI - To Be Installed

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Scan the QR code to calculate your savings.