

MAIN FEATURES

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| Highest quality and reliability. ComAp IntelliLite AMF 25 controller. | Wide range of standard and optional equipment. Engine heater – ready to load just after start. |
| Ready to control MAINS – GENERATOR transfer switch. | Drip tray, |
| Configured for both manual and automatic mode (MRS + AMF). | Anticorrosion coating: frame - Zr, canopy – Zr, Al-Zn. |
| Wide range of remote communications options. | Brushless alternator. |



GENERAL DATA

| | |
|-----------------------------------|--------------------|
| Standby power E.S.P. [kVA] / [kW] | 22,0 / 17,6 |
| Prime power P.R.P. [kVA] / [kW] | 20,0 / 16,0 |
| Prime current P.R.P [A] | 28,9 |
| Frequency [Hz] | 50 |
| Voltage [V] | 400 |
| Exhaust emission | Non-emission |
| Fuel type | Diesel (EN 590) |
| Fuel consumption - 50% load [l/h] | 3,5 |
| - 75% load [l/h] | 4,7 |
| - 100% load [l/h] | 6,3 |
| - 110% load [l/h] | 7,1 |
| Engine control voltage [V] | 12 |
| Standard fuel tank capacity [l] | 140 |
| Autonomy with 100% load [h] | 21,1 |
| Model | DPX-17601 |
| Weight without fuel [kg] | 710 |
| Dimensions L x W x H [mm] | 1950 x 1010 x 1440 |
| Guaranteed noise power Lwa [dBA] | 92 |
| Acoustic pressure Lpa 7m [dBA] | 61,5 ± 2 |

STANDARD CONTROLLER

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|--|
| Controller type: ComAp IntelliLite AMF 25 |
| Easy to operate, intuitive graphical interface |
| Real time clock with battery supply |
| Stan-by and Prime power applications, AMF function available |
| Flexible event based history with up to 350 events |
| 3 Phase generator current measurement |
| Generator and Mains phase voltage measurement |
| Active/reactive power measurement |
| Active and reactive energy counter |
| Running hours counter, multipurpose flexible timers |
| Battery charging alternator circuit connection |
| Comprehensive gen-set protections |
| Wide range of communication capabilities including : |
| - CAN and USB on board |
| - Internet access using Ethernet, GPRS or 4G module |
| - Support for Modbus and SNMP protocols |
| Cloud-based monitoring and control via WebSupervisor |
| Active SMS or e-mails (module required) |
| Geofencing and tracking via WebSupervisor |
| Operating temperature -20 + 70°C |
| IP65 operator interface protection |



ENGINE

| | |
|-----------------------------|-----------------|
| Brand | Mitsubishi |
| Type | S4Q2-61SDB |
| Made in | India |
| Engine power [kW] | 19,6 |
| Emission standard* | Non-emission |
| Rotation per minute [rpm] | 1500 |
| Engine governor | mechanical |
| Governor class** | G1 |
| Displacement [l] | 2,5 |
| No of cylinder | 4 |
| Fuel system | Zexel 32C65 |
| Electrical system [V] | 12 |
| Cooling system capacity [l] | 4,0 |
| Oil pan capacity [l] | 6,5 |
| Fuel type | Diesel (EN 590) |

ALTERNATOR

| | |
|------------------------------------|----------------------|
| Nominal Voltage [V] | 400 |
| Nominal power factor (cos phi) | 0,8 |
| Ambient temperature, altitude | 40 °C, 1000m a.m.s.l |
| Nominal Power [kVA] | 20,0 |
| IP protection | IP 23 |
| No of bearing | single bearing |
| Coupling | direct |
| Technology | brushless |
| Short circuit maintaining capacity | 270% 10s |
| Efficiency [%] | 87,1 |
| Insulation class | H |
| Total harmonic content THD [%] | <3,5 |
| Reactance Xd'' [%] | 7,7 |
| Voltage regulator type | DVR, digital |
| Voltage measurement | 3 phases |
| Voltage accuracy [%] | +/- 1,0 |
| AVR supply system | auxiliary winding |
| AVR supply optional | PMG |
| Made in | EU |

* According directive 97/68/WE non road mobile machinery engine emission.

** According PN-ISO 8528-5/2018

STANDARD EQUIPMENT

OPTIONAL EQUIPMENT

| | | | |
|--|---|--|---|
| Mitsubishi S4Q2-61SDB engine | ✓ | Oil draining hand pump | □ |
| Oil low pressure switch | ✓ | Fuel filter with water separator | □ |
| Glow plugs | ✓ | Battery disconnection switch | □ |
| Engine high temperature switch | ✓ | Engine high temperature sensor | □ |
| Engine preheating with thermostat | ✓ | Oil pressure sensor | □ |
| Engine oil Titan Cargo 15W40 | ✓ | Power socket connection | □ |
| Coolant Fuchs Maintain Fricofin HDD Premix | ✓ | Power socket box | □ |
| Starting batteries | ✓ | Transfer switch controlled by generator controller | □ |
| Battery charger | ✓ | Transfer switch with ATS controller | □ |
| GCB Schneider Z32/4 | ✓ | GPRS communication card | □ |
| GCB shunt release coil | ✓ | Ethernet card | □ |
| Controller ComAp Inteli Lite AMF 25 | ✓ | RS 485, RS 232 card | □ |
| Acoustic alarm | ✓ | Remote display | □ |
| Emergency stop button | ✓ | Drip space level sensor | □ |
| Fuel tank integrated with a frame with drip tray | ✓ | Fuel and retention pump | □ |
| Fuel tank installed in drip tray | ✓ | External fuel tank 1 000 – 10 000 l | □ |
| Welded frame with fuel tank | ✓ | 3-way valve for external fuel tank connection | □ |
| Fuel level measurement | ✓ | Fuel tank filling pump and shut-off valve | □ |
| Exhaust compensator and silencer | ✓ | | |
| Engine and alternator vibro isolators | ✓ | | |
| Colour RAL 7016 | ✓ | | |

INSTALLATION GUIDELINES

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|--|--------------------------------|
| Power terminal | GCB terminal |
| Recommended cable for up to 30m power cable way | Flexible 5x6 mm ² |
| Recommended cable for do 30m generator heater supply | Flexible 3x2,5 mm ² |

*For additional cable connection with ATS see ATS wiring diagram

MAINTENANCE GUIDELINES

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|-------------------------------------|---|
| Fuel filters replacement | 250 h / 1 year |
| Oil replacement | After first 50h, then every 250 h / 1 year |
| Oil filters replacement | After first 50h, then every 250 h / 1 year |
| Coolant replacement | 1000 h / 2 years |
| Battery replacement | 2 years |
| Electrical installation supervising | According to local requirements, at least once per year |

WARRANTY

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|----------------------------|------------------------------------|
| Continuous work generators | 12 months up to 1000 working hours |
|----------------------------|------------------------------------|