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Diesel Generator Set: P180

Standard Features			
MODEL	P180		
Standby Power(50Hz)	158.4KW/198KVA		
Prime Power(50Hz)	144KW/180KVA		
Engine	PERKINS 1106A-70TAG3		
Alternator	LEROYSOMER TAL-A46-A		

- Standard control panel, Including controller, Operation lighting, Emergency stop button, Buzzer
- Main line circuit breaker
- One 12V free maintenance battery, battery charger, Battery Ract and Battery Switch
- Industrial silencer, Ripple Flex exhaust pipe, Flange
- · Fork lift position and lifting position
- With-8 hours Base Fuel Tank; Fuel Tank Capacity: 380L
- Radiator 50[°]C max, Fans driven by Belt, with safety Guard
- Hand pump special for take out dirty oil





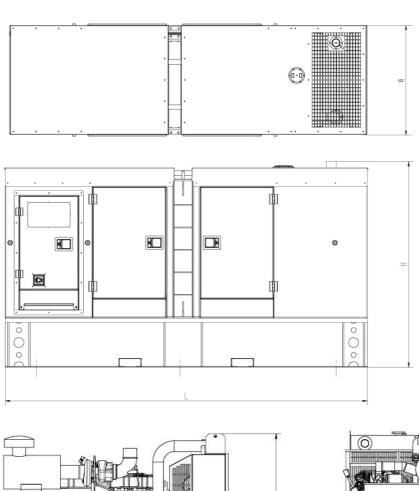
Open Type

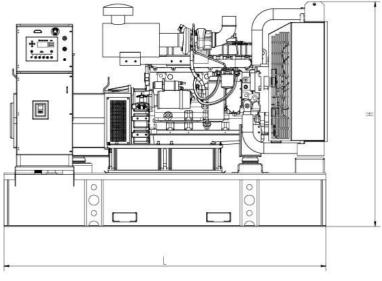
Silent Type

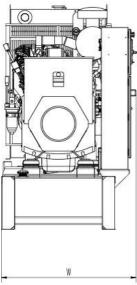
Generator Set Ratings						
Voltage	Frequency	Phase	P.F (COS⊄)	Prime Current Amps	Standby Power (KW/KVA)	Prime Power (KW/KVA)
440/254	50	3	0.8	236	158.4/198	144/180
415/240	50	3	0.8	250	158.4/198	144/180
400/230	50	3	0.8	260	158.4/198	144/180
380/220	50	3	0.8	274	158.4/198	144/180

Prime Power(PRP):Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820-97(eqvlSO8528);10% overload capability is available for a period of 1 hour within a 12-hour period of operation. Standby Power Rating (STP):The standby power rating is applicable for supplying emergency

Dimension & Weight	Of Generator Set
Dimension(L*W*H)/CM For Open Type	240×98×158 CM
Net Weight/KG For Open Type	1500KGS
Dimension(L*W*H)/CM For Silent Type	340×112×170 CM
Net Weight/KG For Silent Type	2200KGS
Dimension (L*W*H)/MM For Trailer Type	
Net Weight/KG For Trailer Type	







Specification of Engine				
	Engine Model	1106A-70TAG3		
	Manufacturer	PERKINS Company		
	Prime Power	157.7KW/211.5HP		
	Standby Power	175.2KW/234.9HP		
	Engine Configuration	6Cylinder In Line, 4Stroke, Direct Injection		
Basic	Gas Feeding Model	Turbocharged,Air to Air		
Specific	Bore×Stroke	105×135(MM)		
ation	Displacement	7.01L		
	Rated Speed	1500RPM		
	Speed Governor	Mechanical		
	Starter Model	12V DC Start		
	Cooling System	Water Cool		
	Compression Ratio	16:1		
	Exhaust Gas Flow	1090L/s		
Exhaust System	Exhaust Temperature	499°C		
C) 515	Max Back Pressure	10kPa		
Air	Max Intake Restriction	6.25kPa		
Intake	Burning Capacity	418L/s		
System	Air Flow	8180L/s		
	Fuel Consumption (Prime Power 100%) Load	41.6L/H		
Fuel System	Fuel Consumption (Prime Power 75%) Load	31.8L/H		
C) 515	Fuel Tank Capacity	380L		
Lubricat	Oil Capacity	16.5L		
ion	Oil Consumption	≤0.1% of Fuel		
System	Oil Pressure at Rated RPM	241-345kPa		
	Total Coolant Capacity	21L		
Cooling System	Thermostat Open Temperature	82-93 ℃		
	Max Coolant Temperature	104°C		

	Specifica	ation of Alternator
	Alternator Model	TAL-A46-A
	Manufacturer	LEROYSOMER company
	Prime Output	144KW/180KVA
	Standby Output	158KW/198KVA
	Excitation Model	Brushless, Self-Exciting
	Cooling Method	Air Cooling
	Connection Type	3 Phase and 12 Wires "Star" Connection
	Power Factor	0.8
	Protection Class	IP23
	Insulation Class	Н
	Altitude	≤1000m
Basic Specification	Voltage Regulation, Steady State	≤±1%
	Telephone Influence Factor	<50
	Sudden Voltage Warp (100% Sudden Reduce)	≤±1%
	Sudden Voltage Warp (Sudden Increase)	≤±25%
	Voltage Stable Time (100% Sudden Reduce)	<6S
	Voltage Stable Time (Sudden Increase)	≤6S
	Frequency Reduce	0-5% adjustable
	Frequency Regulation, Stead State	≤1.5%
	Frequency Waving	≤0.8%
	Sudden Frequency Warp (100% Sudden Reduce)	≤+12%
	Sudden Frequency Warp (100% Sudden Increase)	<-10%
	Frequency Recovery Time (100% Sudden Reduce)	≤5S
	Frequency Recovery Time (Sudden Increase)	<5S

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Control Panel System

1.SINGLE SET GEN-SET CONTROLLER

SUM: They meet all possible requirements for AMF applications, including modem control, user configuration and full gen-set monitoring and protection. AMF models enable the combination of manual and remote start application with auto mains fail function.

KEY FEATURES:

ILTTERTORES.	
High water Temperature Shutdown	DSE Comp has Survivales.
2. Low Oil Pressure Shutdown	<u>144.</u> ⊗
3. Over Speed Shutdown	Made 11 U.K.
4. Over Crank Shutdown	a.DSE 6020KII
5. Function as Emergent Stop	IntellLite AMF 20 ComAp
6. Heated Display Option	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)
7. Breaker Control Buttons on Front Fascia	
8. Alternative Configuration (50Hz/60Hz)	
9.Support ATS Function	b.ComAp AMF 20
KEY FEATURES:	
High Water Temperature Shutdown	
2. Low Oil Pressure Shutdown	DEEP MARKETHONICS IN THE
3. Over Speed Shutdown	Generator Wiltage Sel 2
4. Over Crank Shutdown	USAL OV .
5. Function as Emergent Stop	* **** **** ****
6. With Remote Teleport Communication RS 485	
7. Heated Display Option.	
8. Alternative Configuration (50HZ/60HZ)	c.DSE 7320
9. Support ATS Function	
10. Remote Communications (RS232 & RS485)	IntellLite AMF 25
11. Fuel Usage Monitor And Low Level Alarms.	OFF INNEL STATE TEXTS
12. Engine Specific J1939 for All Major Manufacturers	
13. Configurable Display Languages.	
14. Load Switching, Load Shedding&Dummy Load Outputs.	
15. Alternative Configuration (50Hz/60Hz)	d.ComAp AMF 25

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2.MULTIPLE PARALLELING GEN-SETS WITH INTERNAL LOAD-SHARING CONTROLLER

SUM: Functionality, optimized for ease of use, installation and configuration, includes built-in synchronization and digital isochronous active and reactive load sharer. Native co-operation of up to 32 gen-sets is a standard feature.

KEY FEATURES:

The Most up to 32-set Synchronization Wide Range of Communication Interfaces - RS232,RS485, USB, Modbus, GSM/Analog Modem,GPRS, Ethernet Direct Governor & AVR Control	DECEDENTAL SECTION CS AND ADDRESS OF THE PROPERTY OF THE PROPE
4. kW & kV Ar Load Sharing	a.DSE 8610
5. Advanced Power Management Function	InteliCompact" ComAp
Load Dependent Start/Stop	
Load Demand Swap	
Donalis a Harris Especial	
Running Hours Equalization	

3.SINGLE GEN-SET IN PARALLEL TO MAINS CONTROLLER

SUM: They are integrated controllers combining AMF and paralleling functions for single gen-sets. This combination allows the gen-set with interrupt-fee transfers as well as in continuous parallel-to -mains mode.

KEY FEATURES:		
Mains (Utility) Failure Detection, Mains (Utility) Power Monitoring (kW, kV Ar, kV A & pf) Monitoring, Mains (Utility) Decoupling Protection, Mains (utility) kW Export Protection.	DEF NA BLETHONCS Conversation Visitory Land D Land D Conversation Visitory Land D Conversation Visitory Conversation Visitory	
2. Remote Communications (RS232, RS485 x2, Ethernet)	O O O O O	
	a.DSE 8620	
3. High Tariff Avoidance, Peak Shaving, Peak Lopping	InteliCompact ^{III} ComAp	
4. Synchronization of MCB (Reverse Synchronization)		
5. Support of Electronic Controlled Engines (J1939,		
Modbus)		
6. Wide Range of Communication Interfaces - RS232,	b.ComAp IC-NT SPtM	
RS485, USB, Modbus, GSM/Analog Modem, GPRS,	D.COITIAP TO-INT OF UNI	

Ethernet			
Generator Se	et Optio	ons and Accessories	
Generator Set Design		Control System	
Open Type		AMF(Automatic Management Function)	
Silent Type		ATS(Automatic Transfer System	
Super Silent Type		ASS(Automatics Synchronization System)	
Trailer Type		Remote Control Puma	
Fuel System		Alternator	
12 Hour Base Tank(single wall)		PMG(EBS) Excitation	
24 Hour Base Tank(single wall)		Space Heater	
Dual Wall Base Fuel Tank		Preheater System	
Outside Fuel Tank		Coolant Preheater	
Automatic Refueling Compensation System		Oil Preheater	
Exhaust System		Battery Preheater	
Residential Exhaust Silencer			
Circuit Breaker Brand			
CHNT			
ABB			