



# Engine Perkins, 404A-22G1

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 12V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	22	20	30.6	L x W x H = 1250 x 650 x 960 mm	460 Kgr.
400 / 230	22	20	31.8		
380 / 220	22	20	33.4		

#### **POWER DEFINITION**

**Prime Power** is available for an unlimited number of annual operating hours in variable load applications **Standby Power** is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP22
Length (mm).	1700
Width (mm).	740
Height (mm).	1280
Dry weight (kg).	N/A

### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 404C-22G, 4 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	2.216
	Bore (in) X Stroke (in)	84 mm x 100 mm
	Compression ratio	23.3:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	20.6
	BMEP (psi)	NA
	Governor type	MECHANICAL
	Exhaust gas temperature (°C)	555
EXHAUST SYSTEM	Exhaust gas flow (cfm)	165
	Max. exhaust back pressure (mmWG)	300
	Consumption @ 110% load (L/hr)	6.2
	Consumption @ 100% load (L/hr)	5.4
FUEL SYSTEM	Consumption @ 75% load (L/hr)	4.0
	Consumption @ 50% load (L/hr)	2.9
	Oil capacity (L)	10.6
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	31
BALANCE	Radiated heat to ambient (KW)	6
	Heat rejection to coolant (kW)	18
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	6.98
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	0.7
	Fan air flow w/o restriction (m3/sec)	1.74
	Available restriction on air flow (mm WG)	10
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
	Emissions HCNOx (g/kWh)	NA
	Emission HC (g/kW.h)	
	Emission rie (g/kw.ii)	NA





## **Engine Perkins, 1104A-44TG2**

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 12V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	88	80	122.4	L x W x H = 2240 x 730 x 1470 mm	1080 Kg.
400 / 230	88	80	127.0		
380 / 220	88	80	133.7		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

## **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



# **Dimensions Super Sound Proof Version**

Canopy	SSP88
Length (mm).	3120
Width (mm).	1120
Height (mm).	1650
Dry weight (kg).	N/A

## Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 1104A-44TG2, 4 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	44
	Bore (in) X Stroke (in)	105 mm x 127 mm
	Compression ratio	17.25:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	106.2
	BMEP (psi)	NA
	Governor type	Mechanical
	Exhaust gas temperature (°C)	555
EXHAUST SYSTEM	Exhaust gas flow (cfm)	780
	Max. exhaust back pressure (mmWG)	300
	Consumption @ 110% load (L/hr)	20.5
	Consumption @ 100% load (L/hr)	18.7
FUEL SYSTEM	Consumption @ 75% load (L/hr)	14.0
	Consumption @ 50% load (L/hr)	19.7
	Oil capacity (L)	8.0
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	99
BALANCE	Radiated heat to ambient (KW)	16
	Heat rejection to coolant (kW)	55
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	13.0
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	3
	Fan air flow w/o restriction (m3/sec)	4.44
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
EMISSIONS	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	
	Ethission Tie (g/kw.n)	NA



# Engine Perkins, 1103A-33G

## STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 12V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	33	30	45.9	L x W x H = 1720 x 730 x 1560 mm	520 Kgr.
400 / 230	33	30	47.6		
380 / 220	33	30	50.1		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP33
Length (mm).	2970
Width (mm).	1120
Height (mm).	1640
Dry weight (kg).	N/A

#### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 1103A-33G, 3 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	3.3
	Bore (in) X Stroke (in)	105 mm x 127 mm
	Compression ratio	19.25:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	41.6
	BMEP (psi)	NA
	Governor type	MECHANICAL
	Exhaust gas temperature (°C)	555
EXHAUST SYSTEM	Exhaust gas flow (cfm)	165
	Max. exhaust back pressure (mmWG)	300
	Consumption @ 110% load (L/hr)	9.5
	Consumption @ 100% load (L/hr)	8.6
FUEL SYSTEM	Consumption @ 75% load (L/hr)	6.6
	Consumption @ 50% load (L/hr)	4.9
	Oil capacity (L)	7.9
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	31
BALANCE	Radiated heat to ambient (KW)	6
	Heat rejection to coolant (kW)	18
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	10.2
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	0.7
	Fan air flow w/o restriction (m3/sec)	1.74
	Available restriction on air flow (mm WG)	10
	Type of coolant	Gencool
	Thermostat (°C)	82-95
	Emissions PM (g/kW.h)  Emission CO (g/kW.h)	NA
EMISSIONS		NA
	Emissions HCNOx (g/kWh)	NA
	Emission HC (g/kW.h)	NA





Engine Perkins, 4006-23TAG3A

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	880	800	1183	L x W x H = 4230 x 1600 x 2200 mm	6644 Kg.
400 / 230	880	800	1227		
380 / 220	880	800	1291		

#### **POWER DEFINITION**

**Prime Power** is available for an unlimited number of annual operating hours in variable load applications **Standby Power** is applicable for supplying emergency power in variable load applications

## **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

SSP880
6260
2440
2820
N/A

#### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2, 3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti-Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 4006-23TAG3A, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	22.91
	Bore (in) X Stroke (in)	160 mm x 190 mm
	Compression ratio	13.6:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	1054
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	430
EXHAUST SYSTEM	Exhaust gas flow (cfm)	6813
	Max. exhaust back pressure (mm WG)	300
	Consumption @ 110% load (L/hr)	224
	Consumption @ 100% load (L/hr)	200
FUEL SYSTEM	Consumption @ 75% load (L/hr)	144
	Consumption @ 50% load (L/hr)	96
	Oil capacity (L)	113.4
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	315
BALANCE	Radiated heat to ambient (KW)	86
	Heat rejection to coolant (kW)	226
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	1150
	Radiator & Engine capacity (L)	105
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	42
	Fan air flow w/o restriction (m3/sec)	20
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
EMISSIONS	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	
	Emission Te (g/kw.n)	NA



# **Engine Perkins, 1306C-E87TAG3**

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	220	200	306.0	L x W x H = 2500 x 1000 x 1650 mm	2100 Kg.
400 / 230	220	200	317.5		
380 / 220	220	200	334.3		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP220
Length (mm).	4240
Width (mm).	1400
Height (mm).	2100
Dry weight (kg).	N/A

#### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 °C
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



		Perkins 1306C-E87TAG3, 6 cylinders
	Motor model Cylinder arrangement	
	Displacement (L)	Vertical in-line
		8.7
	Bore (in) X Stroke (in)	116.6 mm x 135.9 mm
	Compression ratio	16.9:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	275
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	567
EXHAUST SYSTEM	Exhaust gas flow (cfm)	1154
	Max. exhaust back pressure (mmWG)	300
	Consumption @ 110% load (L/hr)	56.9
	Consumption @ 100% load (L/hr)	51.5
FUEL SYSTEM	Consumption @ 75% load (L/hr)	38.5
	Consumption @ 50% load (L/hr)	26.5
	Oil capacity (L)	26.4
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	N/A
BALANCE	Radiated heat to ambient (KW)	N/A
	Heat rejection to coolant (kW)	108
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	37.2
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	3.4
	Fan air flow w/o restriction (m3/sec)	5.1
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95
	Emission CO (g/kW.h)	NA NA
EMISSIONS	Emissions HCNOx (g/kWh)	NA NA
		NA
	Emission HC (g/kW.h)	NA





# **Engine Perkins, 1006 TAG**

## STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	150	135	208.7	L x W x H = 2300 x 1040 x 1340 mm	1250 Kg.
400 / 230	150	135	216.5		
380 / 220	150	135	227.9		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

## **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



**Dimensions Super Sound Proof Version** 

#### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the perature of 120 oC

Canopy	SSP150	-	Four lockable doors
Length (mm).	3500	-	Four lifting points
Width (mm).	1220	-	Oil and coolant drainage points
		-	Easy canopy dismantling for maintenance purpose
Height (mm).	1800	-	Full weather proof enclosure
Dry weight (kg).	N/A	-	Suitable for operation in very adverse weather conditions



	Motor model	Perkins 1006 TAG, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	5.99
	Bore (in) X Stroke (in)	100 mm x 127 mm
	Compression ratio	17.0:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	187.7
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	555
EXHAUST SYSTEM	Exhaust gas flow (cfm)	780
	Max. exhaust back pressure (mmWG)	300
	Consumption @ 110% load (L/hr)	41.3
	Consumption @ 100% load (L/hr)	37.6
FUEL SYSTEM	Consumption @ 75% load (L/hr)	28.9
	Consumption @ 50% load (L/hr)	19.4
	Oil capacity (L)	19.0
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	99
BALANCE	Radiated heat to ambiant (KW)	16
	Haet rejection to coolant (kW)	55
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	37.22
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	3
	Fan air flow w/o restriction (m3/sec)	4.44
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	NA NA
		INA





Engine Perkins, 1103A-33TG2

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 12V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	66	60	91.8	L x W x H = 1720 x 730 x 1560 mm	800 Kgr.
400 / 230	66	60	95.3		
380 / 220	66	60	100.3		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



# **Dimensions Super Sound Proof Version**

Canopy	SSP15
Length (mm).	2970
Width (mm).	1120
Height (mm).	1640
Dry weight (kg).	N/A

### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 1103A-33TG2, 3 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	3.3
	Bore (in) X Stroke (in)	105 mm x 127 mm
	Compression ratio	17.25:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	81.1
	BMEP (psi)	NA
	Governor type	MECHANICAL
	Exhaust gas temperature (°C)	545
EXHAUST SYSTEM	Exhaust gas flow (cfm)	176
	Max. exhaust back pressure (mmWG)	300
	Consumption @ 110% load (L/hr)	18.2
	Consumption @ 100% load (L/hr)	16.6
FUEL SYSTEM	Consumption @ 75% load (L/hr)	12.5
	Consumption @ 50% load (L/hr)	8.8
	Oil capacity (L)	7.9
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	54
BALANCE	Radiated heat to ambient (KW)	8
	Heat rejection to coolant (kW)	35
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	10.2
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	1.4
	Fan air flow w/o restriction (m3/sec)	2.53
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
Limesione	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	
	Emission 113 (grun)	NA





## Engine Perkins, 1103A-33TG1

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 12V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	50	45	69.6	L x W x H = 1720 x 730 x 1560 mm	800 Kg.
400 / 230	50	45	72.2		
380 / 220	50	45	76.0		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP15
Length (mm).	2970
Width (mm).	1120
Height (mm).	1640
Dry weight (kg).	N/A

### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2, 3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 1103A-33TG1, 3 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	3.3
	Bore (in) X Stroke (in)	105 mm x 127 mm
	Compression ratio	17.25:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	81.1
	BMEP (psi)	NA
	Governor type	MECHANICAL
	Exhaust gas temperature (°C)	545
EXHAUST SYSTEM	Exhaust gas flow (cfm)	176
	Max. exhaust back pressure (mmWG)	300
	Consumption @ 110% load (L/hr)	18.2
	Consumption @ 100% load (L/hr)	16.6
FUEL SYSTEM	Consumption @ 75% load (L/hr)	12.5
	Consumption @ 50% load (L/hr)	8.8
	Oil capacity (L)	7.9
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	54
BALANCE	Radiated heat to ambiant (KW)	8
	Haet rejection to coolant (kW)	35
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
AIR INTARE	Radiator & Engine capacity (L)	10.2
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	1.4
	Fan air flow w/o restriction (m3/sec)	2.53
	Available restriction on air flow (mm WG)	20
	Type of coolant	Gencool
	Thermostat (°C)	82-95
	Emissions PM (g/kW.h)	NA
EMISSIONS	Emission CO (g/kW.h)	NA
	Emissions HCNOx (g/kWh)	NA
	Emission HC (g/kW.h)	NA





**Engine Perkins, 4006-23TAG2A** 

## STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	825	750	1113	L x W x H = 4230 x 1600 x 2200 mm	6644 Kg.
400 / 230	825	750	1155		
380 / 220	825	750	1215		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP825
Length (mm).	6260
Width (mm).	2440
Height (mm).	2820
Dry weight (kg).	N/A

#### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti-Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



		Perkins 4006-23TAG2A, 6 cylinders
	Motor model  Cylinder arrangement	·
	Displacement (L)	Vertical in-line
	Bore (in) X Stroke (in)	22.91
		145 mm x 183 mm
	Compression ratio	14.5:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	967
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	430
EXHAUST SYSTEM	Exhaust gas flow (cfm)	6354
	Max. exhaust back pressure (mm WG)	300
	Consumption @ 110% load (L/hr)	199
	Consumption @ 100% load (L/hr)	177
FUEL SYSTEM	Consumption @ 75% load (L/hr)	129
	Consumption @ 50% load (L/hr)	90
	Oil capacity (L)	113.4
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	240
BALANCE	Radiated heat to ambiant (KW)	75
	Haet rejection to coolant (kW)	196
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	1183
	Radiator & Engine capacity (L)	105
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	42
	Fan air flow w/o restriction (m3/sec)	20
	Available restriction on air flow (mm WG)	20
	Type of coolant	Gencool
	Thermostat (°C)	82-95
	Emissions PM (g/kW.h)	NA
EMISSIONS	Emission CO (g/kW.h)	NA
	Emissions HCNOx (g/kWh)	NA
	Emission HC (g/kW.h)	NA





**Engine Perkins, 1006 TAG2** 

## STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	165	150	229.5	L x W x H = 2300 x 1040 x 1340 mm	1300 Kg.
400 / 230	165	150	238.2		
380 / 220	165	150	250.7		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

## **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



# **Dimensions Super Sound Proof Version**

Canopy	SSP165
Length (mm).	3500
Width (mm).	1220
Height (mm).	1800
Dry weight (kg).	N/A

### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 1006 TAG2, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	5.99
	Bore (in) X Stroke (in)	100 mm x 127 mm
	Compression ratio	17.0:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	201.7
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	555
EXHAUST SYSTEM	Exhaust gas flow (cfm)	780
	Max. exhaust back pressure (mmWG)	300
	Consumption @ 110% load (L/hr)	45
	Consumption @ 100% load (L/hr)	41
FUEL SYSTEM	Consumption @ 75% load (L/hr)	31
	Consumption @ 50% load (L/hr)	20
	Oil capacity (L)	19
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	99
BALANCE	Radiated heat to ambient (KW)	16
	Heat rejection to coolant (kW)	55
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	41
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	3
	Fan air flow w/o restriction (m3/sec)	4.44
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
LIMIOSICIVS	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	
	Elinission Tie (g/kw.ii)	NA





# **Engine Perkins, 2506A-E15TAG1**

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	500	450	695.5	L x W x H = 3400 x 1120 x 2000 mm	3790 Kg.
400 / 230	500	450	721.7		
380 / 220	500	450	759.7		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

 $Standard\ reference\ conditions\ Standby\ /\ Prime\ 27^{\circ}C\ /\ 40^{\circ}C\ Air\ Inlet\ Temp,\ 1000\ m\ /\ 1000\ m\ A.S.L.\ 60\%\ relative\ humidity.$ 



## **Dimensions Super Sound Proof Version**

Canopy	SSP500
Length (mm).	4600
Width (mm).	1520
Height (mm).	2500
Dry weight (kg).	N/A

#### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2, 3mm sheet steel from both sides up and down
- Canopy components are manufactured in1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti-Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 2506A-E15TAG1, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	15.2
	Bore (in) X Stroke (in)	137 mm x 171 mm
	Compression ratio	16:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	605
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	456
EXHAUST SYSTEM	Exhaust gas flow (cfm)	3015
	Max. exhaust back pressure (mmWG)	500
	Consumption @ 110% load (L/hr)	116
	Consumption @ 100% load (L/hr)	102
FUEL SYSTEM	Consumption @ 75% load (L/hr)	78
	Consumption @ 50% load (L/hr)	53
	Oil capacity (L)	62
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	299
BALANCE	Radiated heat to ambient (KW)	20
	Heat rejection to coolant (kW)	166
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	603
	Radiator & Engine capacity (L)	68
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	9
	Fan air flow w/o restriction (m3/sec)	10.9
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
Liniosions	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	
	Elinosion Tie (g/kw.ii)	NA





# Engine Perkins, 1104C-44TAG2

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 12V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	110	100	153.0	L x W x H = 2240 x 730 x 1500 mm	1150 Kg.
400 / 230	110	100	159		
380 / 220	110	100	167		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

·	
Canopy	SSP110
Length (mm).	3120
Width (mm).	1120
Height (mm).	1650
Dry weight (kg).	N/A

#### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 1104-44TAG2, 4 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	44
	Bore (in) X Stroke (in)	105 mm x 127 mm
	Compression ratio	17.25:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	106.2
	BMEP (psi)	NA
	Governor type	Mechanical
	Exhaust gas temperature (°C)	555
EXHAUST SYSTEM	Exhaust gas flow (cfm)	780
	Max. exhaust back pressure (mmWG)	300
	Consumption @ 110% load (L/hr)	20.5
	Consumption @ 100% load (L/hr)	18.7
FUEL SYSTEM	Consumption @ 75% load (L/hr)	14.0
	Consumption @ 50% load (L/hr)	19.7
	Oil capacity (L)	8.0
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	99
BALANCE	Radiated heat to ambient (KW)	16
	Heat rejection to coolant (kW)	55
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	13.0
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	3
	Fan air flow w/o restriction (m3/sec)	4.44
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	NA NA
		NA





# **Engine Perkins, 1306C-E87TAG6**

## STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	275	250	382.6	L x W x H = 2550 x 1100 x 1700 mm	2715 Kg.
400 / 230	275	250	396.9		
380 / 220	275	250	417.8		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP275
Length (mm).	4240
Width (mm).	1400
Height (mm).	2100
Dry weight (kg).	N/A

### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure



	Motor model	Perkins 1306C-E87TAG6, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	8.7
	Bore (in) X Stroke (in)	116.6 mm x 135.9 mm
	Compression ratio	16.9:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	330
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	640
EXHAUST SYSTEM	Exhaust gas flow (cfm)	1567
	Max. exhaust back pressure (mmWG)	500
	Consumption @ 110% load (L/hr)	49.7
	Consumption @ 100% load (L/hr)	45
FUEL SYSTEM	Consumption @ 75% load (L/hr)	36
	Consumption @ 50% load (L/hr)	24
	Oil capacity (L)	26.4
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	213
BALANCE	Radiated heat to ambient (KW)	34
	Heat rejection to coolant (kW)	158
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	37.2
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	5.4
	Fan air flow w/o restriction (m3/sec)	5.5
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
EMISSIONS	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	NA





**Engine Perkins, 1606A-E93TAG5** 

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	330	300	396	L x W x H = 3230 x 1170 x 2000 mm	3,350 Kg.
400 / 230	330	300	445		
380 / 220	330	300	495		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SP330
Length (mm).	4200
Width (mm).	1320
Height (mm).	2500
Dry weight (kg).	N/A

## Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120  $^{\circ}\text{C}$
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	PERKINS 1606A-E93TAG5, 6 cylinders
	Cylinder arrangement	Inline form
	Displacement (L)	9.3
	Bore (in) X Stroke (in)	117 mm x 146 mm
	Compression ratio	NA
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	385
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	519
EXHAUST SYSTEM	Exhaust gas flow (cfm)	1642
	Max. exhaust back pressure (mm WG)	500
	Consumption @ 110% load (L/hr)	NA
	Consumption @ 100% load (L/hr)	NA
FUEL SYSTEM	Consumption @ 75% load (L/hr)	NA
	Consumption @ 50% load (L/hr)	NA
	Oil capacity (L)	36
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	N/A
BALANCE	Radiated heat to ambiant (KW)	N/A
	Heat rejection to coolant (kW)	N/A
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	N/A
	Radiator &Engine capacity (L)	N/A
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	39
	Fan air flow w/o restriction (m3/sec)	7.5
	Available restriction on air flow (mm WG)	127
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
FILIOCICIII	Emission CO (g/kW.h)	NA NA
EMISSIONS	Emissions HCNOx (g/kWh)	NA NA
	,	NA
	Emission HC (g/kW.h)	NA





Engine Perkins, 2206A-E13TAG2



# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



	Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
ı	415 / 240	385	350	535.6	L x W x H = 3200 x 1140 x 2000 mm	2715 Kg.
	400 / 230	385	350	555.7		
	380 / 220	385	350	584.9		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

## **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP385
Length (mm).	4200
Width (mm).	1320
Height (mm).	2500
Dry weight (kg).	N/A

### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti-Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 2206A-E13TAG2, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	12.5
	Bore (in) X Stroke (in)	130 mm x 157 mm
	Compression ratio	16.3:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	493
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	519
EXHAUST SYSTEM	Exhaust gas flow (cfm)	1642
	Max. exhaust back pressure (mmWG)	500
	Consumption @ 110% load (L/hr)	88
	Consumption @ 100% load (L/hr)	81
FUEL SYSTEM	Consumption @ 75% load (L/hr)	62
	Consumption @ 50% load (L/hr)	43
	Oil capacity (L)	40
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	224
BALANCE	Radiated heat to ambient (KW)	9
	Heat rejection to coolant (kW)	129
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	51.4
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	10.3
	Fan air flow w/o restriction (m3/sec)	5.9
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
	Emissions HCNOx (g/kWh)	NA
	Emission HC (g/kW.h)	NA





# **Engine Perkins, 2206A-E13TAG3**

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	440	400	612	L x W x H = 3300 x 1140 x 2000 mm	3450 Kg.
400 / 230	440	400	635		
380 / 220	440	400	669		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP440
Length (mm).	4600
Width (mm).	1520
Height (mm).	2500
Dry weight (kg).	N/A

## Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2, 3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti-Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 2206A-E13TAG3, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	12.5
	Bore (in) X Stroke (in)	130 mm x 157 mm
	Compression ratio	16.3:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	554
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	465
EXHAUST SYSTEM	Exhaust gas flow (cfm)	2384
	Max. exhaust back pressure (mmWG)	500
	Consumption @ 110% load (L/hr)	88
	Consumption @ 100% load (L/hr)	81
FUEL SYSTEM	Consumption @ 75% load (L/hr)	62
	Consumption @ 50% load (L/hr)	43
	Oil capacity (L)	40
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	224
BALANCE	Radiated heat to ambient (KW)	9
	Heat rejection to coolant (kW)	129
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
	Radiator & Engine capacity (L)	51.4
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	10
	Fan air flow w/o restriction (m3/sec)	5.8
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
EMISSIONS	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	
	Emission (IC (g/k w.n)	NA





Engine Perkins, 2506A-E15TAG2

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	550	500	765.2	L x W x H = 3420 x 1300 x 2050 mm	3950 Kg.
400 / 230	550	500	793.9		
380 / 220	550	500	835.7		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP550
Length (mm).	4600
Width (mm).	1800
Height (mm).	2500
Dry weight (kg).	N/A

## Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 2506A-E15TAG2, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	15.2
	Bore (in) X Stroke (in)	137 mm x 171 mm
	Compression ratio	16:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	664
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	455
EXHAUST SYSTEM	Exhaust gas flow (cfm)	3248
	Max. exhaust back pressure (mmWG)	500
	Consumption @ 110% load (L/hr)	116
	Consumption @ 100% load (L/hr)	102
FUEL SYSTEM	Consumption @ 75% load (L/hr)	78
	Consumption @ 50% load (L/hr)	53
	Oil capacity (L)	62
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	299
BALANCE	Radiated heat to ambient (KW)	20
	Heat rejection to coolant (kW)	166
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	603
	Radiator & Engine capacity (L)	58
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	9
	Fan air flow w/o restriction (m3/sec)	10.9
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
FINIOSIANIA	Emission CO (g/kW.h)	NA NA
EMISSIONS	Emissions HCNOx (g/kWh)	NA NA
	-	NA
	Emission HC (g/kW.h)	NA





# **Engine Perkins, 2806A-E18TAG1**

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	660	600	918.2	L x W x H = 3550 x 1460 x 2050 mm	4700 Kg.
400 / 230	660	600	952.6		
380 / 220	660	600	1002		

#### **POWER DEFINITION**

**Prime Power** is available for an unlimited number of annual operating hours in variable load applications **Standby Power** is applicable for supplying emergency power in variable load applications

## **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



# **Dimensions Super Sound Proof Version**

Canopy	SSP660
Length (mm).	6500
Width (mm).	2000
Height (mm).	2770
Dry weight (kg).	N/A

### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti-Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 2806A-E18TAG1A, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	18.1
	Bore (in) X Stroke (in)	145 mm x 183 mm
	Compression ratio	14.5:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	795
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	450
EXHAUST SYSTEM	Exhaust gas flow (cfm)	3587
	Max. exhaust back pressure (mm WG)	500
	Consumption @ 110% load (L/hr)	141
	Consumption @ 100% load (L/hr)	127
FUEL SYSTEM	Consumption @ 75% load (L/hr)	95
	Consumption @ 50% load (L/hr)	66
	Oil capacity (L)	62
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	463
BALANCE	Radiated heat to ambient (KW)	20
	Heat rejection to coolant (kW)	218
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	727
	Radiator & Engine capacity (L)	61
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	17
	Fan air flow w/o restriction (m3/sec)	10.9
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
EMISSIONS	Emissions HCNOx (g/kWh)	NA NA
		NA
	Emission HC (g/kW.h)	NA





Engine Perkins, 2806A-E18TAG2

## STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	715	650	995	L x W x H = 3900 x 1540 x 2200 mm	4750 Kg.
400 / 230	715	650	1032		
380 / 220	715	650	1086		

#### **POWER DEFINITION**

**Prime Power** is available for an unlimited number of annual operating hours in variable load applications **Standby Power** is applicable for supplying emergency power in variable load applications

## **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SSP715
Length (mm).	6500
Width (mm).	2000
Height (mm).	2800
Dry weight (kg).	N/A

## Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



# ENG

# **ENGINE SPECIFICATIONS**

	Motor model	Perkins 2806A-E18TAG2, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	18.1
	Bore (in) X Stroke (in)	145 mm x 183 mm
	Compression ratio	14.5:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	795
	BMEP (psi)	NA
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	450
EXHAUST SYSTEM	Exhaust gas flow (cfm)	3587
	Max. exhaust back pressure (mm WG)	500
	Consumption @ 110% load (L/hr)	141
	Consumption @ 100% load (L/hr)	127
FUEL SYSTEM	Consumption @ 75% load (L/hr)	95
	Consumption @ 50% load (L/hr)	66
	Oil capacity (L)	62
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	463
BALANCE	Radiated heat to ambient (KW)	20
	Heat rejection to coolant (kW)	218
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	727
	Radiator & Engine capacity (L)	61
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	39
	Fan air flow w/o restriction (m3/sec)	18.46
	Available restriction on air flow (mm WG)	20
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
EMISSIONS	Emissions HCNOx (g/kWh)	
		NA
	Emission HC (g/kW.h)	NA





**Engine Perkins, 4008TAG2A** 

## STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- · Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	1100	1000	1530	L x W x H = 5400 x 1650 x 2200 mm	9750 Kg.
400 / 230	1100	1000	1588		_
380 / 220	1100	1000	1671		

#### **POWER DEFINITION**

**Prime Power** is available for an unlimited number of annual operating hours in variable load applications **Standby Power** is applicable for supplying emergency power in variable load applications

#### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity



### **Dimensions Super Sound Proof Version**

Canopy	SP1100
Length (mm).	12230
Width (mm).	2440
Height (mm).	2890
Dry weight (kg).	N/A

#### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 4008TAG2A, 8 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	30.561
	Bore (in) X Stroke (in)	160 mm x 190 mm
	Compression ratio	13.6:1
DATA	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	1183
	BMEP (psi)	341.3
	Governor type	ELECTRONIC
	Exhaust gas temperature (°C)	450
EXHAUST SYSTEM	Exhaust gas flow (cfm)	6883
	Max. exhaust back pressure (mm WG)	600
	Consumption @ 110% load (L/hr)	248
	Consumption @ 100% load (L/hr)	220
FUEL SYSTEM	Consumption @ 75% load (L/hr)	160
	Consumption @ 50% load (L/hr)	108
	Oil capacity (L)	153
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	331
BALANCE	Radiated heat to ambient (KW)	100
	Heat rejection to coolant (kW)	316
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	1150
	Radiator & Engine capacity (L)	149
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	42
	Fan air flow w/o restriction (m3/sec)	24
	Available restriction on air flow (mm WG)	25
	Type of coolant Thermostat (°C)	Gencool
	Emissions PM (g/kW.h)	82-95 NA
EMISSIONS	Emission CO (g/kW.h)	NA NA
LIMIOSIONS	Emissions HCNOx (g/kWh)	NA NA
	Emission HC (g/kW.h)	
	Emission ric (g/kw.n)	NA



## **Engine Perkins, 4012-46TWG2A**

# **STANDARD FEATURES**

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
				L x W x H =	
415 / 240	1375	1250	1920	5600 x 2200 x 2200 mm	10000 Kgr.
400 / 230	1375	1250	1992		
380 / 220	1375	1250	2097		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SP1375
Length (mm).	12230
Width (mm).	2440
Height (mm).	2890
Dry weight (kg).	N/A

#### Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti-Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



		Perkins 4012-46TWG2A, 12 cylinders
	Motor model Cylinder arrangement	60° Vee form
	Displacement (L)	
	Bore (in) X Stroke (in)	45.842
	Compression ratio	160 mm x 190 mm
	Speed (RPM)	13.6:1
DATA	Cycle	1500
	Maximum stand-by power at rated RPM (BHP)	4 Stroke
GENERAL DATA	BMEP (psi)	1183
	Governor type	308
	Exhaust gas temperature (°C)	ELECTRONIC
		422
EXHAUST SYSTEM	Exhaust gas flow (cfm)	6354
	Max. exhaust back pressure (mm WG)  Consumption @ 110% load (L/hr)	500
		298
	Consumption @ 100% load (L/hr)	266
FUEL SYSTEM	Consumption @ 75% load (L/hr)	200
	Consumption @ 50% load (L/hr)	133
	Oil capacity (L)	177
	Min. oil pressure (Bar)	4.7
OIL	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL	Heat rejection to exhaust (KW)	401
BALANCE	Radiated heat to ambient (KW)	232
	Heat rejection to coolant (kW)	89
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	1700
	Radiator & Engine capacity (L)	201
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
COOLANT SYSTEM	Fan power (kW)	42
	Fan air flow w/o restriction (m3/sec)	24
	Available restriction on air flow (mm WG)	25
	Type of coolant Thermostat (°C)	Gencool
	Thermostat (°C)  Emissions PM (g/kW.h)	82-95
		NA
EMISSIONS	Emission CO (g/kW.h)	NA
	Emissions HCNOx (g/kWh)	NA
	Emission HC (g/kW.h)	NA



# **Engine Perkins, 4012-46TAG2A**

# STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	1650	1500	2295	L x W x H = 5700 x 2200 x 2350 mm	11500 Kgr.
400 / 230	1650	1500	2382		
380 / 220	1650	1500	2507		

#### **POWER DEFINITION**

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

### **TERMS OF USE**

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity.



## **Dimensions Super Sound Proof Version**

Canopy	SP1650
Length (mm).	12230
Width (mm).	2440
Height (mm).	2890
Dry weight (kg).	N/A

## Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10\*5cm insulated with 10cm sound absorbing material and covered by 2,
   3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti-Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions



	Motor model	Perkins 4012-46TAG2A, 12 cylinders	
	Cylinder arrangement	60° Vee form	
	Displacement (L)	45.842	
	Bore (in) X Stroke (in)	160 mm x 190 mm	
	Compression ratio	13.6:1	
DATA	Speed (RPM)	1500	
	Cycle	4 Stroke	
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	1870	
	BMEP (psi)	363.7	
	Governor type	ELECTRONIC	
	Exhaust gas temperature (°C)	450	
EXHAUST SYSTEM	Exhaust gas flow (cfm)	11119.5	
	Max. exhaust back pressure (mm WG)	300	
	Consumption @ 110% load (L/hr)	251	
	Consumption @ 100% load (L/hr)	319	
FUEL SYSTEM	Consumption @ 75% load (L/hr)	195	
	Consumption @ 50% load (L/hr)	171	
	Oil capacity (L)	177	
	Min. oil pressure (Bar)	4.7	
OIL	Max. oil pressure (Bar)	7.5	
	Oil consumption 100% load (L/hr)	N/A	
THERMAL	Heat rejection to exhaust (KW)	485	
BALANCE	Radiated heat to ambient (KW)	105	
	Heat rejection to coolant (kW)	423	
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	1700	
	Radiator & Engine capacity (L)	210	
	Max water temperature (°C)	102	
	Outlet water temperature (°C)	95	
COOLANT SYSTEM	Fan power (kW)	42	
	Fan air flow w/o restriction (m3/sec)	24	
	Available restriction on air flow (mm WG)	25	
	Type of coolant Thermostat (°C)	Gencool	
	Emissions PM (g/kW.h)	82-95	
	Emission CO (g/kW.h)	NA 	
EMISSIONS	Emissions HCNOx (g/kWh)	NA NA	
		NA	
	Emission HC (g/kW.h)	NA	