

**PASIŪLYMAS
GENERATORIAUS NUOMOS PIRKIMUI**

2022 m. balandžio 4 d.

Vilnius
(Sudarymo vieta)

Tiekėjo pavadinimas (<i>Jeigu dalyvauja tiekėjų grupė, surašomi visi dalyvių pavadinimai: Atsakingasis partneris: Partneris Nr. 1: Partneris Nr. 2 ir t.t.:</i>)	UAB „Energotecha“
Tiekėjo adresas (<i>Jeigu dalyvauja tiekėjų grupė, surašomi visi dalyvių adresai</i>)	Metalo g. 15A, Vilnius
Už pasiūlymą atsakingo asmens pareigos, vardas, pavardė	
Telefono numeris	
El. pašto adresas	

1. Šiuo pasiūlymu pažymime, kad sutinkame su visomis pirkimo sąlygomis, nustatytomis:
- 1.1. skelbime apie pirkimą, paskelbtame Lietuvos Respublikos viešųjų pirkimų įstatymo nustatyta tvarka;
 - 1.2. šiose konkurso sąlygose;
 - 1.3. kituose pirkimo dokumentuose (jų paaiškinimuose, papildymuose).
 - 1.4. Pateikdamas pasiūlymą CVP IS priemonėmis, patvirtinu, kad dokumentų skaitmeninės kopijos ir elektroninėmis priemonėmis pateikti duomenys yra tikri.

2. Informacija apie ūkio subjektus/subtiekėjus:

Eil. Nr.	Pirkimo sutarties dalies (pirkimo objekto dalies sutarties dalies), perduodamos vykdyti subtiekėjui, aprašymas	Subtiekėjo pavadinimas (jeigu žinomas)
1.		
2.		

Pastaba. Lentelė pildoma, jei Tiekėjas ketina pasitelkti subtiekėją (-us) tik vykdant pirkimo sutartį ir jis (jie) yra žinomas (-i).

3. Šiame pasiūlyme yra pateikta ši konfidenciali informacija* (*pildyti tuomet, jei bus pateikta konfidenciali informacija. Tiekėjas negali nurodyti, kad konfidencialus yra pasiūlymo įkainis (kaina) arba, kad visas pasiūlymas yra konfidencialus, konfidencialia informacija taip pat negali būti laikoma informacija nurodyta Viešųjų pirkimų įstatymo 20 str. 2 d.*):

Eil. Nr.	Pateikto dokumento pavadinimas	Dokumentas yra įkeltas šioje CVP IS pasiūlymo lango eilutėje („Prisegti dokumentai“)

Pastaba: *- Siekiant užtikrinti, kad laimėjusių dalyvių pasiūlymuose esančios informacijos neprieštarautų teisės aktams arba teisėtiems tiekėjų interesams, tiekėjo pasiūlyme turi būti aiškiai nurodoma, kurios pasiūlymo dalys yra konfidencialios. Perkančioji organizacija pasilieka teisę viešinti visus tiekėjo pasiūlymo dokumentus, kurie nepažymėti kaip konfidencialūs.

4. Mes siūlome šias generatoriaus nuomos kainas :

Eil. Nr.	Paslaugos pavadinimas	Kiekis (vnt.)	Maksimalus nuomos laikotarpis (paromis)	Vienos paros įkainis, Eur, be PVM	Bendra Suma, Eur be PVM
1	2	3	4	5	6= 3x4x5
1.	Generatoriaus nuoma	1 vnt.	365	37,50	13687,50
PVM					2874,38
Bendra kaina, Eur su PVM					16561,88

Bendra suma (Eur) Šešiolika tūkstančių penki šimtai šešiasdešimt vienas euras ir 88 ct.

Pastabos:

- kaina su PVM pasiūlyme nurodoma suapvalinta, paliekant ne daugiau kaip du skaitmenis po kablelio;
- bendra pasiūlymo kaina turi atitikti sudėtinių dalių sumą;
- Jei suma skaičiais neatitinka sumos žodžiais, teisinga laikoma suma žodžiais.

- ✓ Teikdami šį pasiūlymą, mes patvirtiname, kad į mūsų siūlomų nuomos kainą įskaičiuotos visos išlaidos ir visi mokesčiai, ir kad mes prisiimame riziką už visas išlaidas, kurias, teikdami pasiūlymą ir laikydamiesi pirkimo dokumentuose nustatytų reikalavimų, privalėjome įskaičiuoti į pasiūlymo kainą;
- ✓ Taip pat mes patvirtiname, kad visa pasiūlyme pateikta informacija yra teisinga, atitinka tikrovę ir apima viską, ko reikia visiškam ir tinkamam sutarties įvykdymui;
- ✓ Patvirtiname, kad siūlomas generatorius atitinka pirkimo sąlygų priede Nr. 2 pateiktoje techninėje specifikacijoje nurodytus reikalavimus ir jų savybės yra tokios:

Parametrai	Reikalaujama charakteristika	Tiekėjo siūlomi parametrai
Gamintojas		<i>Pramac</i>
Modelio pavadinimas	Nurodyti generatoriaus modelio pavadinimą	<i>GSW35Y</i>

Minimalūs reikalavimai, parametrai		
Laikymo sąlygos	-20°C - +40°C	-20°C - +40°C
Įtampa	400 V	400 V
Maksimalus galingumas	Ne mažiau kaip 25 kVA	32,50 kVA
Nominalus galingumas	Ne mažiau 23 kW	24,40 kW
Kuro bako talpa	Maksimaliu galingumu turi išdirbti ne mažiau kaip 24 val. per parą	<i>Prie 100% apkrovos su padidintu kuro baku 58 val.</i>
Kuro tipas	Dyzelis	<i>Dyzelis</i>
Generatoriuje turi būti tokie išvadai (kištukiniai lizdai)	Ne mažiau kaip – 1 vnt. 32A	<i>1 vnt. 63A</i>
Elektros ilgintuvas 380V-32A	Ne mažiau kaip – 20 metrai	<i>20 metrų 400V – 32A</i>

5. Pasiūlymas galioja iki termino, nustatyto pirkimo dokumentuose (90 dienų nuo pasiūlymų pateikimo termino dienos).

6. Kartu su pasiūlymu pateikiami šie dokumentai:

Eil. Nr.	Pateikto dokumento pavadinimas	Dokumento puslapių skaičius
1.	Siūlomo generatoriaus techninis aprašymas	10

GSW35Y



Main Features

Frequency	Hz	50
Voltage	V	400
Power factor	cos ϕ	0.8
Phase		3

Power Rating

Standby power LTP	kVA	32.50
Standby power LTP	kW	26.00
Prime power PRP	kVA	30.50
Prime power PRP	kW	24.40

Ratings definition (According to standard ISO8528 1:2005)

PRP - Prime Power:

It is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24 h of operation shall not exceed 70 % of the prime power.

LTP - Limited-Time running Power:

It is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 h of operation per year (whose no more than 300 for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. No overload capability is available.

Engine specifications

Engine manufacturer	Yanmar	
Model	4TNV98-IGPGE	
[50Hz] Exhaust emission level	Stage IIIA	
[60Hz] Exhaust emission optimized for EPA tier (EPA)	Tier II	
Engine cooling system	Water	
Nr. of cylinder and disposition	4 in line	
Displacement	cm ³	3319
Aspiration	Natural	
Speed governor	Mechanical	
Prime gross power PRP	kW	32.9
Maximum gross power LTP	kW	34.6
Oil capacity	l	10.5
Coolant capacity	l	4.2
Fuel	Diesel	
Specific fuel consumption @ 75% PRP	g/kWh	231
Specific fuel consumption @ PRP	g/kWh	231
Starting system	Electric	
Starting engine capability	kW	1.1
Electric circuit	V	12



Engine Equipment

Standards

The above ratings represent the engine performance capabilities to conditions specified in ISO 8528/1, ISO 3046/1:1986, BS 5514/1

Fuel system

- Direct injection system
- Fuel filter paper element
- Fuel pump Bosch in-Line

Lube oil system

- Forced feed system
- Trochoid pump
- Paper element lube oil filter

Induction system

- Mounted air filter

Cooling system

- Thermostatically-controlled system with gear-driven circulation pump and belt-driven pusher fan
- Mounted radiator and piping

Alternator Specifications

Alternator	Mecc Alte	
Model	ECP28-VL/4	
Voltage	V	400
Frequency	Hz	50
Power factor	cos ϕ	0.8
Poles	4	
Type	Brushless	
Standard AVR	DSR	
Voltage tolerance	%	1
Efficiency @ 75% load	%	88.5
Class	H	
IP protection	23	



Mechanical structure

Robust mechanical structure which permits easy access to the connections and components during routine maintenance check-ups.

Voltage regulator

Voltage regulation with DSR. The digital DSR controls the range of voltage, avoiding any possible trouble that can be made by unskilled personnel. The voltage accuracy is $\pm 1\%$ in static condition with any power factor and with speed variation between 5% and +30% with reference to the rated speed.



Windings / Excitation system

Generator stator is wound to 2/3 pitch. This eliminates triplen (3rd, 9th, 15th ...) harmonics on the voltage waveform and is found to be the optimum design for trouble-free supply of non-linear loads. The 2/3 pitch design avoids excessive neutral currents sometimes seen with higher winding pitches. MAUX (Standard): The MAUX MeccAlte Auxiliary Winding is a separate winding within the main stators that feeds the regulator. This winding enables to take an overload of 300% forced current (short circuit maintenance) for 20 seconds. This is ideal for motor starting requirements.

Insulation / Impregnation

Insulation is of class H standard. Impregnation is made with premium tropicalised epoxy resins by dipping and dripping. High voltage parts are impregnated by vacuum, so the insulation level is always very good. In the high-power models, the stator windings undergo a second insulation process. Grey protection is applied on the main and exciter stator to give enhanced protection.

Reference standards

Alternator manufactured according to , and complies with , the most common specification such as CEI 2-3, IEC 34-1, EN 60034-1, VDE 0530, BS 4999-5000, CAN/CSA-C22.2 No14-95-No100-95.

Genset equipment

BASE FRAME MADE OF WELDED STEEL PROFILE, COMPLETE WITH:

- Anti-vibration mountings properly sized
- Welded support legs



PLASTIC FUEL TANK WITH THE FOLLOWING COMPONENT:

- Filler neck
- Air breather (ventilation pipe)
- Minimum fuel level sensor



OIL DRAINING PIPE WITH CAP:

- Oil draining facilities



ENGINE COMPLETE WITH:

- Battery
- Liquids (no fuel)

CANOPY:

- Soundproof canopy made up of modular panels, realized with zinc-coated steel as treatment against corrosion and aggressive conditions, properly fixed and sealed allowing a full weatherproof enclosure.
- Easy access to the genset for maintenance purposes thanks to: Wide lateral access doors fixed by stainless steel hinges and provided with plastic lockable handles and internal perforated galvanized steel-sheet; Detachable panels, with screw holes protected by rubber tap.
- Control panel protection door provided with suitable window and lockable handle.
- Lateral air inlet opening properly protected and soundproofed. Exhaust air outlet from the roof, through wet section protected by proper grid.
- Single detachable lifting eye placed on the roof.



SOUNDPROOF:

- Noise attenuation thanks to soundproofing material
- Efficient residential silencer placed inside the canopy



Dimensional data

Length	(L) mm	2000
Width	(W) mm	920
Height	(H) mm	1310
Dry weight	Kg	773
Fuel tank capacity	l	68



Autonomy

Fuel consumption @ 75% PRP	l/h	5.82
Fuel consumption @ 100% PRP	l/h	7.75
Running time @ 75% PRP	h	11.68
Running time @ 100% PRP	h	8.77

Noise level

Guaranteed noise level (LWA)	dB(A)	95
Noise pressure level @ 7 m	dB(A)	66



Installation data

Total air flow	m ³ /min	69.51
Exhaust gas flow @ PRP	m ³ /min	6.7
Exhaust gas temperature @ LTP	°C	550

Electrical Data

Battery capacity	Ah	70
MAX current	A	46.91
Circuit breaker	A	50

Control panel availability

MANUAL CONTROL PANEL	MCP
MANUAL CONTROL PANEL FULL OPTION	MPF
AUTOMATIC CONTROL PANEL	ACP

MCP - Manual control panel

Mounted on the genset and complete of: analogue instrumentation, control, protection of the generating set, protected through door with lockable handle.

INSTRUMENTATION (ANALOGUE)

- Voltmeter (1 phase)
- Ammeter (1 phase)
- Hours-counter

COMMANDS

- Start/stop selector switch with key (Glow plugs preheating function also included).
- Emergency stop button installed on canopy side.

PROTECTION WITH ALARM

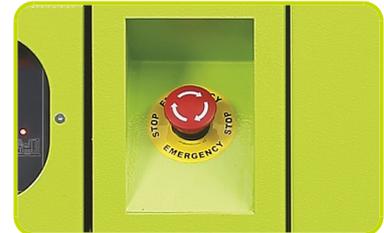
- Low fuel level
- Battery charger failure
- low oil pressure
- high engine temperature
- Earth Fault.

PROTECTIONS WITH SHUTDOWN

- Low fuel level
- Battery charger failure
- low oil pressure
- high engine temperature.
- Circuit breaker protection: III poles
- Emergency stop button

OTHERS

- Panel protected through door with lockable handle.



OUT PUT PANEL MCP

Power cables connection to Circuit Breaker.		
Socket kit		Standard
Thermal protections		
3P+N+T 400V 63A	n	1
3P+N+T CEE 400V 32A	n	1
2P+T CEE 230V 16A	n	2
230V 16A SCHUKO	n	1



MPF - Manual control panel full option

Mounted on the genset and complete of: analogue instrumentation, control, protection of the generating set, protected through door with lockable handle

INSTRUMENTATION (ANALOGUE)

- Voltmeter with selector switch (3 phases)
- Frequency meter
- Ammeter with selector switch (3 phases)
- Hours-counter
- Fuel level indicator
- Oil pressure indicator
- Engine temperature indicator

COMMANDS

- Start/stop selector switch with key
- Emergency stop button

PROTECTION WITH ALARM

- Low fuel level
- Battery charger failure
- low oil pressure
- high engine temperature
- Earth Fault

PROTECTIONS WITH SHUTDOWN

- Low fuel level
- Battery charger failure
- low oil pressure
- high engine temperature
- Circuit breaker protection: III poles
- Emergency stop button

OTHERS PROTECTIONS

- Panel protected through door with lockable handle

OUT PUT PANEL MPF

ETB- External Terminal Board		ETB
Socket kit		Standard
Individual CB and Earth Fault protection		√
3P+N+T 400V 63A IP67	n	1
3P+N+T CEE 400V 16A IP67	n	1
230V/16A 2P+T CEE IP67	n	1
230V 16A SCHUKO IP68	n	1



ACP - Automatic control panel

Mounted on the genset, complete with digital control unit for monitoring, control and protection of the generating set, protected through door with lockable handle.

DIGITAL INSTRUMENTATION

- Generating set voltage (3 phases).
- Mains voltage.
- Generating set frequency.
- Generating set current (3 phases).
- Battery voltage.
- Power (kVA - kW - kVAr).
- Power factor Cos ϕ .
- Hours-counter.
- Engine speed r.p.m.
- Fuel level (%).
- Engine temperature (depending on model)

COMMANDS AND OTHERS

- Four operation modes: OFF - Manual starting - Automatic starting - Automatic test.
- Pushbutton for forcing Mains contactor or Genset contactor.
- Push-buttons: start/stop, fault reset, up/down/page/enter selection.
- Remote starting availability.
- DC system disconnection switch.
- Acoustic alarm.
- Automatic battery charger.
- RS232 Communication port.
- Settable PASSWORD for protection level.

PROTECTIONS WITH ALARM

- Engine protections: low fuel level, low oil pressure, high engine temperature.
- Genset protections: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage

PROTECTIONS WITH SHUTDOWN

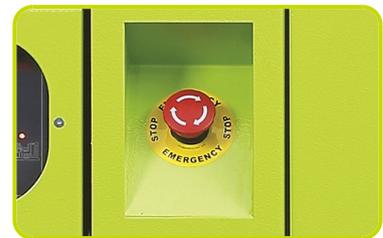
- Engine protections: low fuel level, low oil pressure, high engine temperature,
- Genset protection: under/over voltage, overload, under/over battery voltage, battery charger failure.
- Circuit breaker protection: III poles.
- Earth Fault included in the control unit.

OTHERS PROTECTIONS

- Emergency stop button.
- Panel protected through door with lockable handle.

OUT PUT PANEL ACP

3P+N+T 400V 63A	n	1
Predisposed for remote control optional:		RCG
Socket kit		Optional



Supplements:

To be ordered with the equipment :

CONTROL PANEL SUPPLEMENT

RCG - Various supplements for remote controls - available for models:	ACP
TLP - Various supplements for remote signals - available for models:	ACP
ADI - Adjustable Differential Intensity - available only for models:	ACP
TIF - IV Poles Circuit Breaker instead of III - available for models:	ACP MCP
ETB - External Terminal Board - available for models:	MCP ACP



Socket kit

SKB socket kit B - available for models:	ACP MCP
Individual CB and Earth Fault protection	√
3P+N+T 400V 63A IP67	n 1
230V/16A 2P+T CEE IP67	n 1
230V 16A SCHUKO IP68	n 1
3P+N+T CEE 400V 16A IP67	n 1

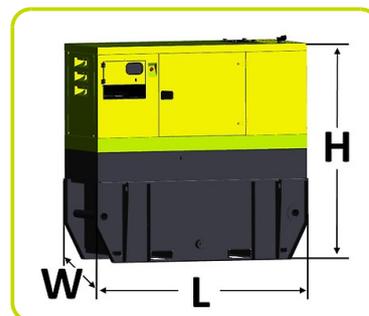


GENSET EQUIPMENT

KPR - Premium Kit (Leak Proof Tray - Leakage detection sensor - Manual oil drain pump)	
AFP - Automatic Fuel Pump	ACP
KRT - Kit Rental which includes fuel filter with water separator, 3-way fuel valve, battery switch, earth rod, docs folder)	

Extended Fuel Tank

Fuel tank capacity	l	450
Length (Genset)	(L) mm	2005
Width (Genset)	(W) mm	1066
Height (Genset)	(H) mm	1812



ENGINE SUPPLEMENTS

PHS - Coolant Pre-Heating System - available for models:	ACP
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Accessories

Items available as accessory equipment

STR - Site trailer

RTR - Road Trailer



LTS - Load Transfer Switch [Accessories for ACP Automatic Control Panel]

The Load Transfer Switch (LTS) panel operates the power supply changeover between the generator and the Mains in backup applications, guarantying the feeding to the load within a short period of time.

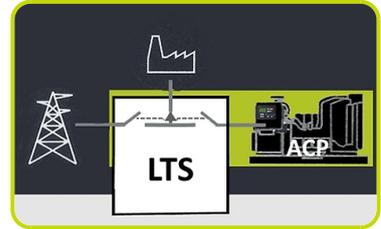
It consists of a standalone cabinet which can be installed separate from the generating set. The logic control of the power supply changeover is operated by means of the Automatic Control Panel (ACP) mounted on the generating set, so therefore none logic device is required on the LTS panel.

LTS Type ATyS_dm:

- Box type: steel enclosures
- Installation mode: Wall mounted
- Door: Hinged door closed with double barb locking.
- Ingress Protection: IP54
- Gland Plates: Removable on the top & bottom side
- Connections: Bottom/Bottom
- Motor unit
- Switch position indicator
- Auto/Manual cover selector
- Housing for manual handle
- Padlocking mechanism
- Two side by side mounted load break switches
- Poles 4
- Double coils self-powered
- Voltage (coils): 230/240VAC (Tolerance+/-20% 176/288VAC)
- Frequency 50 & 60HZ
- Compliant with IEC 60947-3, EN 61439-6-1 and GB 14048-11

SUPPLEMENTS AVAILABLE ON REQUEST (Only for LTS Version ATyS_dm):

- **ESB** - Emergency Stop Button (installed on the panel front)
- **APP** - Additional IPXXB Protection (internal plexiglass)



The information is aligned with the Data file at the time of download. Printed on 12/11/2018 (ID 2143)

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