Standby 200 kVA

ǑƳɟqɑɕɓɡq ʝqɓqdɆɘɔdɓɡq ɘdɘɆɓɔɈɐƳ

AC 200

ǑɈƳʝɆɘqɑɕ Cummins
ȦɑɕɘqdɓɆɘɔd Mecc Alte
ɈƳdɘqɒɆ P 602
ɘɕdɆɈɑqɓƳɥ

ISO8528	ǑɆɓɓɆɥ ʝqɓqdɆɘɔdɓɆɥ ʝdɘɕɕɆ ɗɕdɔqɐɘƳdɔɈɆɓɆ ɓɆ ɘdɔɈɓq ɓɔdɒ ꞰSO 8529
SZUTEST	ǑɆɓɓɆɥ ʝqɓqdɆɘɔdɓɆɥ ʝdɘɕɕɆ ɗɕdɔqɐɘƳdɔɈɆɓɆ Ƴ dɔɟQɆɓɆ dɔʝɑɆdɓɔ ɘdqɇɔɈɆɓƳɏ ꞰSO 9001
CE	ǑɆɓɓɆɥ ʝqɓqdɆɘɔdɓɆɥ ʝdɘɕɕɆ dɔɘɈqɘdɘɈɘq dqdɘƳǝƳɐɆɘɆɒ Ɉ ŏ
2000/14/EC	ȾɘɒɔƳɟɔɑɣɜƳɔɓɓɡq dɈɔɣdɘɈɆ ɟɆ ɈƳɘɓɔɏ ʝdɘɕɕɡ ɘqdɘƳdɘɤɘdɣ dɔʝɑɆdɓɔ ŏɈdɔɕqɣdɘƳɒ ɓɔdɒɆɒ ɕɔ ɞɘɒɘ 2000/14/ŏ Ɉ

ȺɆɟɆ 3 ɭɜqɓɐƳ, 50 ɕɜ, 0,8 PF

	ɫqɟqdɈɓɆɥ ɒɔ Ɉ ɓɔdɘɕ		ɭdɓɔɈɓɆɥ ɒɔ Ɉ ɓɔdɘɕ		
ӯɆɕdɥRqɓƳq	ɐƐȦ.	ɐƐɘ.	ɐƐȦ.	ɐƐɘ.	Amp
400/230	200,00	160,00	180,00	144,00	259,00

ɫqɟqdɈɓɆɥ ɒɔ Ɉ ɓɔdɘɕ: Ɇ dqɟqdɈɓɔɒ dqRƳɒq (ESP) dɆɇɔɘɡ Ɉ dɔɔɘɈqɘdɘɈƳƳ d ISO 8528 ɛdqʝdɘɟɐɆ ɓqQɔɛɘdɘƳɒɆ.

ɭdɓɔɈɓɆɥ ɒɔ Ɉ ɓɔdɘɕ : Ƴɔ Ɉ ɓɔdɘɕ Ɉ ɔdɓɔɈɓɔɒ dqRƳɒq (PRP): dɆɇɔɘɆ Ɉ QɑƳɘqɑɕɓɔɒ dqRƳɒq ɛdƳ ɛdqdɒqɓɓɔɏ ɓɆʝdɘɟɐq, 24 ɜɆdɆ Ɉ dɘɛɐƳ Ɉ dɔɔɘɈqɘdɘɈƳƳ d ISO 8528, QɔɛɘdɘƳɒɆ ɛdqʝdɘɟɐɆ Ɉ 10% Ɉ ɘqɜqɓƳq 1 ɜ ɟɆ 12 ɜ Ɉ dɔɔɘɈqɘdɘɈƳƳ d ISO 3046.

Standard Specifications

ǑƳɟqɑɕɓɡɏ QɈƳʝɆɘqɑɕ d ɈɔQɥɓɡɒ ɔɛɑɆRQqɓƳqɒ, Qɑɥ ƳdɕɔɑɕɟɔɈɆɓƳɥ Ɉ ɘɣRqɑɡɛ ɘdɑɔɈƳɥɛ
dɆQƳɆɘɔd d ɒqɛɆɓƳɜqdɘƳɒ ɈqɓɘƳɑɥɘɔdɔɒ
ŏɆ ɈƳɘɓɆɥ dqɞqɘɐɆ ɈqɓɘƳɑɥɘɔdɆ Ƴ ɈdɆ Ɉ ɆɤɈƳɘdɥ QqɘɆɑqɏ
ɃɑqɐɘdƳɜqdɘƳɏ dɘɆdɘqd Ƴ ɟɆdɥQɓq ɘdɘdɔɣdɘɈɔ ɆɑɕɘqdɓɆɘɔdɆ
ɳɘdɐɔɈɔɏ Ɇɐɐɘɒɘɑɥɘɔd (dɈƳɓɜɔɈɔ-ɐƳdɑɔɘɓɡɏ) d ɐɆɇqɑɥɒƳ
ǑɔRɐɛ QɈƳʝɆɘqɑɥ
ɭɕɔdɓɆɥ dɆɒɆ, ɓqdɘ Ɉ Ƴɏ ɘɔɛɑƳɈɓɡɏ ɇɆɐ Ƴ ɆɓɐƳʝɑɘɞƳɐqɑɕ ɐɔɑqɇɆɓƳɥ
ȾɑɆɓʝ ɘɔɛɑƳɈɓɔɏ dƳdɘqɒɡ
ɭQɓɔɕQɞƳɕɓƳɐɔɈɡɏ ɆɑɕɘqdɓɆɘɔd, ɐɑɆdd ӯ
ȾɘɒɔʝɑɘɞƳɐqɑɕ Ƴ ʝƳɇɐƳɏ dɆɑɕɓɔɏ ɐɔɒɛqɓdɆɘɔd ɕɔdɘɆɈɑɥɤɘdɥ ɔɐQɑɑɕɓɔ
ɟɆdɥQɓq ɘdɘdɔɣdɘɈɔ
ɫɐɐɔɈɔQdɘɈɔ ɐ ƳdɕɔɑɕɟɔɈɆɓƳɤ Ƴ ɘdɘɆɓɔɈɐɆq

ƐɡɇɔdQɔɕɔɑɓƳɘqɑɕɓɡɛ ɔɕɜƳɏ

ǑƐǑȩȦȸŏ ŏʔ

- Ɛɡɓɔdɓɔɏ dɆQƳɆɘɔd
- Ƀɑqɐɘdɔɓɓɡɏ dqʝɑɣɑɘɘɔd ɜɆdɘɔɘɡ ɈdɆ Ɉ qɓƳɥ QɈƳʝɆɘqɑɥ
- ȺƳɑɕɘd ɔɘQqɑɑqɓƳɥ ɈɔQɓɔɏ ǝdɆɘɜƳƳ ɔɘ ɘɔɛɑƳɈɆ
- Ɉ ƳʝɓɆɑƳɟɆɜƳɥ ɓƳɟɘɔʝɔ ɘdɔɈɓɥ ɔɛɑɆRQɆɤ Ɉ qɥ RƳQɘɔdɘƳ
- ɳɔQɔʝdqɈ ɒɆdɑɆ

ALTERNATOR

- ɳdɔɘƳɈɔɘɔɓQqɓdɆɓɡɏ ɔɇɔʝdqɈɆɘqɑɕ
- ȦɑɕɘqdɓɆɘɔd d Ɉɡdɔɘɔɏ ɒɔ Ɉ ɓɔdɘɕɤ
- ƐɡɕɔQɓɔɏ ƐɈɘɔɒƐɘ ɟɆ Ɉ Ƴɘɡ

Ɉ Ȯ Ɉ ȸ ŏ Ÿ Ȧ ȹɳ ɫ ȦƐ ŏ ŏ ӯ ȮȺ

- ɛƐɓqɑɕ QƳdɘƐɓɜƳɔɓɓɔʝɔ ɘɕdƐɈɑqɓƳɥ
- ȸɔɘɐƐ ɕɔQɕɑɤɜqɓƳɥ ɟƐɟqɒɑqɓƳɥ
- ɭɇɣɟƐɓɓɔdɘƳ Ɛɒɛɑqɒɑqɑ

ɳdɔɜƳq ƐɕdqdɑɑɘƐdɡ

- ȦɈɔɒƐɘƳɜqdɐƐɥ dƳdɘqɒƐ ɛɔQɆƐɜƳ ɘɔɕɑƳɈƐ
- ɳɔɒɛƐ dɘɜɓɔʝɔ dɑƳɈƐ ɒƐdɑƐ
- ǑƐɘɜƳƐƳ ɘdɔɈɓɥ ɘɔɕɑƳɈƐ
- ɕɐɑɞƳɘqɑɕ
- ǑɔRɐɛ: ŏƐ Ɉ ƳɘƐ ɔɘ Ɛɘɒɔdǝqdɓɡɛ ɔdƐQɔɈ Ƴ ɞɘɒɔʝƐɞqɓƳq
- ȦQƐɕɘɔd ɈɔɟQɘɞɓɔʝɔ ɐƐɓƐɑƐ (ɛdqdQ dƐQƳƐɘɔdɔɒ)
- ɳdƳɘɜɓɔ-ɈɡɘɣRɓɡq RƐɑɤɟƳ d ɣqɘdqɛdƳɈɔQɔɒ
- ƐɔɟQɘɞɓƐɥ ɐƐɒqdƐ ɞɘɒɔʝƐɞqɓƳɥ
- ɳdƳɜqɕ
- ȸqɛ. Ǒɔɒɛɑqɘ(ɕɔ ɘqɛ.ɐɘɔQɘ)
- Ǒɔɒɛɑqɘ Qɑɥ ɘqɛɓƳɜqdɐɔʝɔ ɔɇdɑɘRƳɈƐɓƳɥ (1500/3000 ɒɔɘɔɜƐdɔɈ)
- ǑɈɔɣɓƐɥ dƐɒƐ
- ȦɓɘƳǝdƳɟ Ƴ dɒƐɟɔɜɓɡq ɒƐdɑɔ QɈƳʝƐɘqɑɥ(ɕdƳ dƐɇɔɘƐq Ɉ - 30 Ɉ)
- Ǒɑɤɜ ɟƐ Ɉ Ƴɘɡ ƐɐɐɘɒɘɑɥɘɔdƐ
- ǑɔɓɘdɔɑƐ ɘɔɜƐ ɟƐɥQƐƳ

TRANSFER SWITCH

- ȸdƳ ƳɑƳ ɜqɘɡdq ɕɔɑɤdƐ ɐɔɓɘƐɐɘɔdƐ
- ȸdƳ ƳɑƳ ɜqɘɡdq ɕɔɑɤdɓɡɏ QɈƳʝƐɘqɑɕ dƐɇɔɘƐɘ ɈɡɐɑɤɜƐɘqɑɕ

Standby 200 kVA

ŎƔɟqɑɕƃgq ʝqƃqɖɆɘɔɖƃgq ɘɖɘɆƃɔɈɐƔ

AC 200

ŎɈƔʝɆɘqɑɕ Cummins
ȦɑɕɘqɖƃɆɘɔɖ Mecc Alte
ɉ ƔɖɘqɒɆ P 602
ɘɛɖɆɈɑqƃƔʮ

ȻɆɖɆɐqɖƔɖɘƔɐɆ ʠƔɟqɑɕƃgɛ ʠɈƔʝɆɘqɑqɏ

Manufacturer		Cummins		
Model		6CTA 8,3-G2		
ƳɆɐɖƔɒɆɑɕƃɆʮ ʠɔɕɔɑƃƔɘqɑɕƃɆʮ ɒɔ ɉ ƃɔɖɘɕ		1500 ɔɇ./ɒƔƃ.		
		180,00 ɐɆɘ. [241,00HP]		
ɳɔɑɔʀqƃƔq ɜƔɑƔƃʠɖɔɈ	L	8,300		
ŎƔɆɒqɘɖ Ɣ ɛɔʠ ɛɔɖɞƃʮ	ɒɒ.	114 x 135		
ɉ ɘqɛqƃɕ ɖʀɆɘƔʮ		16,8:1		
ȳɔɒƔƃɆɑɕƃgq ɔɇɖɔɜɘg(ɔɇ/ɒƔƃ)	ɔɇ./ɒƔƃ.	1500		
ŏɒɐɔɖɘɕ ɒɆɖɑɆ(ŏ.)	L	23,80		
Ꞁɇɠqɒ ɔɛɑɆʀʠɆɤ ɉ qɏ ʀƔʠɐɔɖɘƔ	L	27,00		
AbsorbedAirDischargeReSourceKey.Text	ɒ3/ɒƔƃ.	12,36		
ɳɖɔɛɘɖɐƃɆʮ ɖɕɔɖɔɇƃɔɖɘɕ Ɉɔɟʠɘɞƃɔȷɔ ɖɆʠƔɆɘɔɖɆ (ɒ3/ɒƔƃ.)	ɒ3/ɒƔƃ.	142,00		
ɳɖɔɛɘɖɐƃɆʮ ɖɕɔɖɔɇƃɔɖɘɕ Ɉgɛɑɔɕƃɔɏ ɘɖɘɇg	ɒ3/ɒƔƃ.	34,68		
ȡqɒɛqɖɆɘɖɆ ɈgɛɑɔɕɆ	° C	563,00		
ɃqɐɘɖƴɜqɖɐɆʮ ɖƔɖɘqɒɆ		24 V d.c.		
ɎɆɖɕɔʠ ɘɔɛɑƔɈɆ	Load	ɛɖƔ 100% ɟɆʝɖɘɤɐq	ɛɖƔ 75% ɟɆʝɖɘɤɐq	ɛɖƔ 50% ɟɆʝɖɘɤɐq
	ŏ/ɜɆɖ.	40,00	30,00	20,00

ȡƔɕ ɆɑɕɘqɖƃɆɘɔɖɆ

ɳɖɔƔɟɈɔʠƔɘqɑɕ		Mecc Alte
Ƴɔʠqɑɕ		ECO 38-1SN
ȽɆɖɘɔɘɆ	Hz	50
Ƴɔ ɉ ƃɔɖɘɕ	ɐɆɘ.	180,00
Cos Ⱥ		0,80
Ŏɔɑƴɜqɖɘɔ ɚɆɟ		3
ȳɆɛɖʮʀqƃƔq ɆɑɕɘqɖƃɆɘɔɖɆ (Ȩ)	Ȩ	400/230
Temperature		H

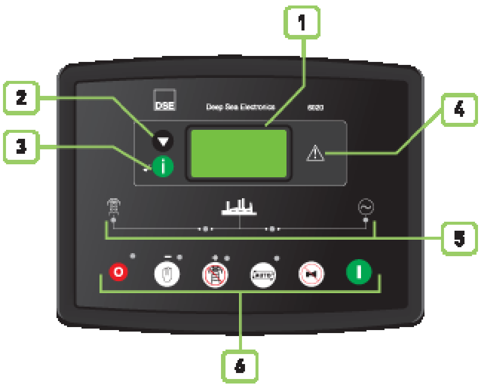
ɎɆɟɒqɖg Ɣ Ɉqɖ

ɔɘɖɖgɘɆʮ ʝɖɘɛɛɆ	Ȩqɖ	ŎɑƔƃɆ (ɒɒ.)	ȺƔɖƔƃɆ	ɈgɖɔɘɆ (ɒɒ.)	ŏɒɐɔɖɘɕ ɘɔɕɑƔɈƃɔȷɔ ɇɆɐɆ
	ɐʝ.	ɒɒ.	ɒɒ.	ɒɒ.	L
AC 200	1670,00	2375,00	1150,00	1594,00	380,00
ȩɖɑɛɛg ɖ ɐɔʀɐɛɔɒ	Ȩqɖ	ŎɑƔƃɆ (ɒɒ.)	ȺƔɖƔƃɆ	ɈgɖɔɘɆ (ɒɒ.)	ŏɒɐɔɖɘɕ ɘɔɕɑƔɈƃɔȷɔ ɇɆɐɆ
	ɐʝ.	ɒɒ.	ɒɒ.	ɒɒ.	L
AK 50	2100.00	3400	1217	1938	380

AC 200

ŐɈƳȷɆɘqɑɕ Cummins
ȦɑɕɘqdɓɆɘɔd Mecc Alte
ȷ Ƴdɘqɒ Ɇ P 602
ɘɕdɆɈɑqɓƳɥ

P 602 - ȷ Ƴdɘqɒ Ɇ ɘɕdɆɈɑqɓƳɥ



1 ɓMain status display.
2 ɓDisplay scroll button.
3 ɓPage(information) button.
4 ɓCommon alarm indicator.
5 ɓStatus LED's.
6 ɓOperation selecting buttons.

ɲdƳɇɔdg

ɓDSE, model 6020 Auto Mains Failure control module.
ɓBattery charger input 198-264 volt , output 27,6 V 5 A (24 V) or 13,8 Volt 5A (12V)
ɓEmergency stop push button and fuses for control circuits.

Őɔɓdɘdɘɜ Ƴɥ Ƴ ɕɔɐdɆdɐɆ

ɓComponents installed in sheet steel enclosure. Phosphate chemical, pre-coating of steel provides corrosion resistant surface. Polyester composite powder topcoat forms high gloss and extremely durable finish. Lockable and hinged panel door provides easy access to components.

Ȳɔɓɘ ɆR

ɓ Control panel is mounted on baseframe with steel stand. Located at the right side of the generator set (When you look at the Gen.Set. from Alternator)

ȧɑɔɐ ɘɕdɆɈɑqɓƳɥ ɉqɓqdɆɘɔdɔ ɒ

ɓThe DSE 6020 is a standard control module for our generator sets up to 200kVA and ɨt has been designed to start and stop diesel and gas generator sets. The DSE 6020 module has been designed to monitor generator frequency, volt, current, engine oil pressure, coolant temperature running hours and battery volts. Module monitors the mains supply and switch over to the generator when the mains power fails. The DSE6020 also indicates operational status and fault conditions, Automatically shutting down the Gen. Set and giving true first up fault condition of Gen. Set failure.The LCD display indicates the fault.

ȷ ɘɆɓQɆdɘɓgq dɕqɜƳɘƳɐɆɜƳƳ

ɓMicroprocessor controlled.
ɓLCD display makes information easy to read.
ɓ4-line, 64 x 132 pixel display.
ɓAutomatically transfers between mains (utilty) and generator power.
ɓManual programming on front panel.
ɓUser-friendly set-up and button layout.
ɓɓRemote start.
ɓEvent logging (5)showing date and time.
ɓControls: Stop/Reset, Manual, Auto, Test, Start, buttons. An additional push button next to the LCD display is used to scroll through the modules' metering displays.

AC 200

ŐɈƳɉɆɘqɑɞ Cummins
ȦɑɞɘqdƃɆɘɔd Mecc Alte
ɉƳdɘqɒɆ P 602
ɘɕdɆɈɑqƃƳɥ

Ȯɟɒqdƴɘqɑɞƃgq ɛdƳɇɔdg

ENGINE
ƀEngine speed.
ƀOil pressure.
ƀCoolant temperature.
ƀRun time.
ƀBattery volts.
ƀConfigurable timing.
GENERATOR
ƀVoltage (L-L, L-N).
ƀCurrent (L1-L2-L3).
ƀFrequency.
MAINS
ƀVoltage (L-L, L-N).
ƀFrequency.
ƀMains ready.
ƀMains enabled.
ƀGen. Set ready.
ƀGen. Set enabled.

ɉɛqɒɆ ɟɆɉƳɘg

WARNING
ƀCharge failure.
ƀBattery Low/High voltage.
ƀFail to stop.
ƀLow /High generator voltage.
ƀUnder/over generator frequency.
ƀOver /Under speed.
ƀLow oil pressure.
ƀHigh coolant temperature.
SHUT DOWNS
ƀFail to start.
ƀEmergency stop.
ƀLow oil pressure.
ƀHigh coolant temperature.
ƀOver /Under speed.
ƀUnder/over generator frequency.
ƀUnder/over generator voltage.
ƀOil pressure sensor open.
ƀCoolant temperature sensor open.
ELECTRICAL TRIP
ƀGenerator over current.

ɉɛɜƳɔƃƃgq ɔdɔɇqƃƃɔdɐƳ

ƀFlexible sensor can be controlled with temperature, pressure, percentage (warning/shutdown/electrical trip)
ƀLocal setting parameters and monitoring from PC to control module with USB connection (max 6 mt).

ɉɘɆƃQɆdɘg

ƀElecrical Safety / EMC compatibility BS EN 60950 Electrical business equipment.
ƀBS EN 61000-6-2 EMC immunity standard.
ƀBS EN 61000-6-4 EMC emission standard

ɳdƳɇɔd Qɑɥ ɟɆdɥQɐƳ ɆɐɐɘɒɘɑɥɘɔdɆ

ƀ Battery charger is manufactured with switching-mode and SMD technology and ȅt has high efficiency. Battery charger models' output V-I characteristic is very close to square and output is 5 amper, 13,8 V for 12 volt and 27,6 V for 24 V . Input 198 - 264 volt AC. Proline 2405 has fully output shot circuit protection and ȅt can be used as a current source. Proline 1205/2405 charger has high efficiency, long life, low failure rate, light weight and low heat radiated in accordance with linear alternatives. The charger is fitted with a protection diode across the output. Connect charge fail relay coil between positive output and CF output. They are equipped with RFI filter to reduce electrical noise radiated from the device. Galvanically isolated input and output typically 4kV for high reliability.

aksa POWER GENERATION

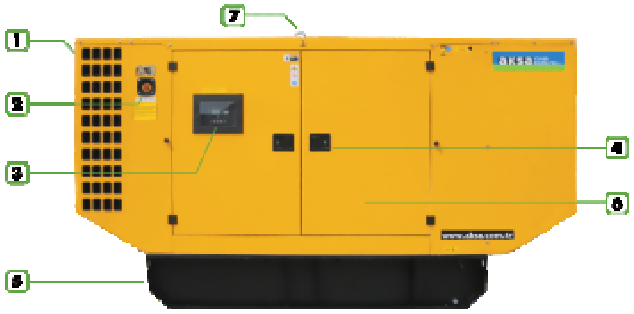
Standby 200 kVA

ŐƳɼqɑɕɓɡq ʝqɓqdɆɘɔdɓɡq ɘdɘɆɓɔɈɐƳ

AC 200

ŐɈƳʝɆɘqɑɕ Cummins
ȦɑɕɘqdɓɆɘɔd Mecc Alte
ɹ Ƴdɘqɒ Ɇ P 602
ɘɛdɆɈɑqɓƳɥ

AK 50 - ɐɔRɘɛ



1. Steel structures
2. Emergency stop push button
3. Control panel is right side of the set.
4. Corrosion-resistant locks and hinges
5. Sump drains valves
6. Sound proof foam metarial
7. Lifting Points

ɹ ɘɔɈɆdq

ƺɘɒɔƳɼɔɑƳdɘɤ ɹ Ƴq Ƴ ɼɆ ɹ Ƴ ɹ Ɇɤ ɹ Ƴq ɔɘ Ɇɘɒɔdɚqdɓɡɛ ɈɔɼQqɏdɘɈƳɏ ɕɔɐdɡɘƳɥ ʝqɓqdɆɘɔdɓɡɛ ɘdɘɆɓɔɈɔɐ ɐɔɒɕɆɓƳƳ ȦŐɹ Ȧ ɘQɔɈɑqɘɈɔdɥɤɘ ɼɈɘɐɔɈɡɒ ɘdqɇɔɈɆɓƳɥɒ Ƴ ɔɇqdɕqɜƳɈɆɤɘ ɔɕɘƳɒɆɑɕɓɘɤ ɼɆ ɹ Ƴɘɘ ɔɘ Ɇɘɒɔdɚqdɓɡɛ ɈɔɼQqɏdɘɈƳɏ. ɹ ɕqɜƳɆɑɕɓɔ dɆɼdɆɇɔɘɆɓɓɡq ɞɘɒɔƳɼɔɑƳdɘɤ ɹ Ƴq ɐɔRɘɛƳ ƳQqɆɑɕɓɔ ɕɔQɛɔQɥɘ Qɑɥ ɔɐɘdɡɘɔɏ ʝqɓqdɆɘɔdɓɔɏ ɘdɘɆɓɔɈɐƳ Qɑɥ ɔɇqdɕqɜqɓƳɥ ɑqʝɐɔʝɔ QɔdɘɘɕɆ ɕdƳ dqqɈƳdɓɔɒ Ƴ ʝɆdɆɓɘƳɏɓɔɒ ɔɇdɑɘRƳɈɆɓƳƳ, ɈɼɆƳɒɔɼɆɒqɓɥqɒɡq ɐɔɒɕɔɓqɓɘɡ ɕɔɼɈɔɑɥɤɘ ɈɡɕɔɑɓƳɘɕ dqɒɔɓɘ ɓɆ ɒqdɘq.ŋɔɐdɡɘƳq dɕdɔqɐɘƳdɔɈɆɓɔ ɘɆɐƳɒ ɔɇdɆɼɔɒ, ɜɘɔɇɡ ɔɕɘƳɒƳɼƳdɔɈɆɕ ɏɚɚqɐɘƳɈɓɔdɘɕ ɔɛɑɆRQqɓƳɥ ʝqɓqdɆɘɔdɓɔɏ ɘdɘɆɓɔɈɐƳ.

ɹ ɘɆɓQɆdɘɓɡq dɕqɜƳɚƳɐɆɜƳƳ

ȳqɇɔɑɕɞɔɏ dɆɼɒqd ɐɔdɕɕɘɆ, ɓƳɼɐɔɕdɔɚƳɑɕɓɡɏ QƳɼƳɏɓ
Őɔdɕɘd, ʝqɓqdɆɘɔdɓɆɥ ɘdɘɆɓɔɈɐɆ, ɈɡɛɑɔɓɆɥ dƳdɘqɒɆ ɕdqQɈƳdƳɘqɑɑɕɓɔ dɔɇdɆɓɡ, Ɉɐɑɤɜqɓɡɓ ɈɐɔɒɕɑqɐɘɕɒɔɇƳɆɘɕɈ
Őɔdɕɘd Ƴɼ ʝɔɑɐɔɈɑɡ Ƴɼ dɘɆɑƳ, dɘɆɕ ɔɇqdɆɇɔɘɆɓɆ ɕɔdɔɞɐɔɈɡɒ ɒɆɘqdƳɆɑɔɒ
ɕɑɆɒqdɔɘɘɆɓɆɈɑƳɈɆɤ ɹ Ɇɥ ɕqɓɆ
ȭqʝɐƳɏ Qɔdɘɐɘ ɐɔ ɈdqɒɥɕɐɕɓɆ ɔɇdɑɘRƳɈɆɓƳɥ
ȨɡɕɑɔɕɓɆɥ dƳdɘqɒɆ Ɉ ɐɔRɘɛq
ȧɔɑɕɞƳq QɈqdƳ ɓɆ ɐɆRQɔɏ dɘɔdɔɓq
ɹ ɐɓɔ ɐɔɓɘdɔɑɕɓɔɏ ɕɆɓqɑƳ Ɉ ɼɆɐdɈƳɤ ɹ ɑɏdɥ QɈqdƳ
ŐɓɔɕɆɆ ɆɈƳdƳɏɓɔɏ ɔdɘɆɓɔɈɐƳ ɓɆɕɔQƳɐdɥ d Ɉɓqɞɓqɏ dɘɔdɔɓɡ ɐɔdɕɘɆ
ȦɑɕɘqdɓɆɘɔd ɈqɓɘƳɑɥɘɔdɆ Ƴ ɆɕɕɒɕɑɥɘɔdɆ ɼɆdɕɡɘ Qɑɥ QɔdɘɐɕɆ
Őɔdɐɘɕ ɐ Ɇɕɕɔɘɔɑɥɘɔdɘ Ƴ ɘɔɕɑƳɈɓɔɒ ɇɆɘɘ ɘɔɑɛɑɔ ɜqdɘɼ ɼɆdɥɘɆɤ ɹ ɕɤdɥ QɈqdɕ
ȸɔɜɐƳ ɕɔQʝɔɘɆ ɓɆ ɔɕɔdɓɔɏ dɆɒɑ
ŐɆɓɓɡq ɔɕɜƳƳ ɔɘɈqɜɆɤɘ ȨɆ ɕƳɒ ɘdqɇɔɈɆɓƳɥɒ
ȦŐɹ Ȧ ɕdɔɈqdɥɐɘ dɈɔƳ ʝqɓqdɆɘɔdɓɡq ɘdɘɆɓɔɈɐƳ ɓɆ ɘdɔɈɓɕ ɕɘɒɆ Ɉ dɔɔɘɈqɘdƳƳ d QƳdqɐɘƳɈɔɏ 2000/14/ő ɹ .
ȶqɼɑɑɘɆɘɕ ƳdɕɡɘɆɓƳɥ ɇɡɑƳ ɕdƳɓɥɘ ɘɕɘɑɔɓɔɒɔɜqɓɡɒ ɔdʝɆɓɔɒ ɹ őɸ ȸqdɘ

ƺƳdƳɓɆ	ɒɒ.	1217
ŐɑƳɓɆ (ɒɒ.)	ɒɒ.	3400
ɈɡdɔɘɆ (ɒɒ.)	ɒɒ.	1938
őɒɐɔdɘɕ ɘɔɕɑƳɈɔʝɔ ɇɆɐɆ	L	380