

20UDM&20ESX

UNIVPOWER Reefer Container Generator

RESPECT THE QUALITY
ONLY IS RELIABLE



CLIP-ON GENSET



UNDERSLUNG GENSET



SPECIFICATIONS

	20ESX	20UDM
Rated power(kw)	15kw/18.75kva	15kw/18.75kva
Frequency(Hz)	60	60
Voltage	460V	460V
Noise level for silent type (Db)	74/1M	74/1M
Amps(A)	23.5	23.5
ENGINE	Water-cooled,4-stroke,	Water-cooled,4-stroke,
Model	404D-22G	404D-22G
12 hours rated power(kw)	21.3	21.3
Cylinders	4	4
Bore×stroke(mm)	84×100	84×100
Intake Method	Nature Intake	Nature Intake
Displacement(L)	2.2	2.2
Fuel consumption(L/h)	3.5	3.5
Cooling starting method	Electric start	Electric start
Engine manufacturer	PERKINS	PERKINS
ALTERNATOR	UNIV	UNIV
Rated power(kw/kva)	18/22.5	18/22.5
Rated currency(A)	31.5	31.5
Power factor(cosφ)	0.8lagging	0.8lagging
Phase / Rotary speed	3-phase,1800rpm	3-phase,1800rpm
Excitation	Brushless, Self exciting	Brushless, Self exciting
Voltage regulation	Automatic	Automatic
Net weight(Silent type)(kg)	1100	680
Packing size(silent type)L×W×H(mm)	2368*729*1073	1390*1613*828
Fuel tank capacity(L)	390	180

THE HEART OF EVERY GEAT MACHINE



MODEL:404D-22G



EU Stage IIIA/U.S. EPA Tier 4 interim

Bore	84.0 mm
Stroke	100.0 mm
Displacement	2.2 litres
Aspiration	Naturally aspirated
Rotation (from flywheel end)	Anti-clockwise
Number of cylinders	4 in line
Cycle	4 stroke
Compression ratio	23.3:1
Combustion system	Indirect injection
Cooling system	Liquid
Total coolant capacity	7.0 litres
Total lubricating capacity	10.6 litres
L*W*H	946*497*840 MM
Dry weight	242.0 kg
Mechanical output	18-34 kWm
Electrical output	20-36 kVA (16-29 kWe)
Rated speed	1500/1800/3000 rpm

UNIV REEFER GENSET ALTERNATOR ADVANTAGE

SPECIFICATIONS



RATED OUTPUT	18KW/22.5KVA
VOLTAGE&PHASE	460V 3PHASE
FREQUENCY	60HZ
CONTROL SYSTEM SER.4	TRANSFORMER SELF EXCITED
VOLTAGE REGULATION	± 5%
SUSTAINED SHORT CIRCUIT	SHORT CIRCUIT CURRENT:450%
INSULATION SYSTEM	CLASS H
PROTECTION	IP22
RATED POWER FACTOR	0.8
STATOR WINDING	DOUBLE LAYER CONCENTRIC
WINDING PITCH	TWO THIRDS
WINDING LEADS	12
STATOR WDG RESISTANCE	0.305 hms PER PHASE AT22℃ SERIES STAR CONNECTED
ROTOR WDG.RESISTANCE	0.64 Ohms at 22℃
R.F.I.SUPPRESSION	BS EN 61000-6-2&BS EN 61000-6-4, VDE 0875G,VDE0875N,refer to factory for others
WAVEFORM DISTORTION	NO LOAD<1.5% NON-DISTORTING BALANCED LINEAR LOAD<5.0%
MAXIMUM OVERSPEED	2250 Rev/Min
BEARING NON-DRIVE END	BALL 6306-2RS.(ISO)

UNIV reefer genset alternator meet with EN 60034 and the relevant section of other international standards such as GB755, NEMA MG-1-32, IEC34, CSA C22.2-100. Other standards and certifications can be considered on request.

WE GIVE WHAT YOU CARE THE MOST

Long time fuel supply

With big size fuel tank, can offer at least 80hours operation It means your fresh foods and drinks etc. will enjoy over 600km transportation journey without stop.



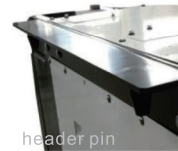
Intelligentize mechanical Control System

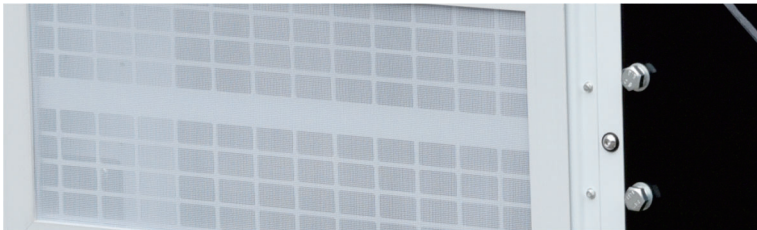
1. Reliable mechanical type control system, easy to be operated, continuous operation under harsh surrounding
2. All protection function for safety, high water temperature/low oil pressure auto stop and alarm.

Safety and convenience

Mounting Clip for clip on type and header pin for underslung time both made of high strength steel. Configure one step attach, connecting and disconnecting in minutes.

Waterproof design control system and IP65 power output socket, operation under any weather condition





Bug proof nets with dense mesh configured for preventing bug and particulate



Anti-corrosive paint on the basis of plastic coating makes it shining and the most important is, isolating the salty and rainy and damp operation surrounding of the generator.



We prepared aplenty kinds of color with durable coating powder for individuation and recognizability, make it your unique units and brand.