

Stamford : ژنراتور

LOVOL-china : موتور دیزل

Standby		Prime		دیزل ژنراتور
KVA	KW	KVA	KW	
62	49.5	56	45	



موتور دیزل

Manufacturer	LOVOL-china	تولید کننده
Type	1006NG	تیپ
Number of cylinders	4	تعداد سیلندر ها
Cylinder arrangement	in-line	آرایش سیلندر ها
Displacement , Liters	3.99 liters	جا به جایی
Bore × Stroke , mm	100mm×127mm	قطر سیلندر × کورس پیستون
Compression Ratio	17.5:1	نسبت تراکم
Combustion System	Direct Injection	سیستم احتراق
Aspiration	Natural	سیستم تنفس
Rotation	Counter - Clockwise	چرخش
cycle	4-storke	سیکل
Speed	1500	سرعت
Noise (dB)	92	نویز
Governor type	Electronic	نوع گاورنر
Oil Pressure - Mpa	0.34-0.45	فشار روغن

ژنراتور

Manufacturer	Stamford	تولید کننده
Type	UCI224D	تیپ
Power factor	0.8	ضریب قدرت
Frequency, Hz	50	فرکانس
Voltage, V	380/220	ولتاژ
Stator windings	Double Layer Concentric	سیم پیچ استاتور
Regulation	With 4% ENGINE GOVERNING	تنظیم ولتاژ
Over speed, Rpm	2250	مداکثر سرعت مجاز
Insulation class	H	کلاس عایق
Protection class	IP23	کلاس حفاظتی
Standby power at rated voltage ,KVA	45	توان standby در ولتاژ نامی

UCI224D
WINDING 311

CONTROL SYSTEM	SEPARATELY EXCITED BY P.M.G.		
A.V.R.	MX321	MX341	
VOLTAGE REGULATION	± 0.5 %	± 1.0 %	With 4% ENGINE GOVERNING
SUSTAINED SHORT CIRCUIT	REFER TO SHORT CIRCUIT DECREMENT CURVES (page 7)		

CONTROL SYSTEM	SELF EXCITED			
A.V.R.	SX460	SX440	SX421	
VOLTAGE REGULATION	± 1.5 %	± 1.0 %	± 0.5 %	With 4% ENGINE GOVERNING
SUSTAINED SHORT CIRCUIT	SERIES 4 CONTROL DOES NOT SUSTAIN A SHORT CIRCUIT CURRENT			

INSULATION SYSTEM	CLASS H							
PROTECTION	IP23							
RATED POWER FACTOR	0.8							
STATOR WINDING	DOUBLE LAYER CONCENTRIC							
WINDING PITCH	TWO THIRDS							
WINDING LEADS	12							
STATOR WDG. RESISTANCE	0.129 Ohms PER PHASE AT 22°C SERIES STAR CONNECTED							
ROTOR WDG. RESISTANCE	0.64 Ohms at 22°C							
EXCITER STATOR RESISTANCE	21 Ohms at 22°C							
EXCITER ROTOR RESISTANCE	0.071 Ohms PER PHASE AT 22°C							
R.F.I. SUPPRESSION	BS EN 61000-6-2 & BS EN 61000-6-4, VDE 0875G, VDE 0875N. refer to factory for others							
WAVEFORM DISTORTION	NO LOAD < 1.5% NON-DISTORTING BALANCED LINEAR LOAD < 5.0%							
MAXIMUM OVERSPEED	2250 Rev/Min							
BEARING DRIVE END	BALL. 6312-2RS (ISO)							
BEARING NON-DRIVE END	BALL. 6309-2RS (ISO)							
	1 BEARING				2 BEARING			
WEIGHT COMP. GENERATOR	285 kg				290 kg			
WEIGHT WOUND STATOR	86 kg				86 kg			
WEIGHT WOUND ROTOR	86.28 kg				77.9 kg			
WR ² INERTIA	0.4216 kgm ²				0.4198 kgm ²			
SHIPPING WEIGHTS in a crate	307 kg				311 kg			
PACKING CRATE SIZE	92 x 57 x 96(cm)				92 x 57 x 96(cm)			
	50 Hz				60 Hz			
TELEPHONE INTERFERENCE	THF<2%				TIF<50			
COOLING AIR	0.216 m ³ /sec 458 cfm				0.281 m ³ /sec 595 cfm			
VOLTAGE SERIES STAR	380/220	400/231	415/240	440/254	416/240	440/254	460/266	480/277
VOLTAGE PARALLEL STAR	190/110	200/115	208/120	220/127	208/120	220/127	230/133	240/138
VOLTAGE SERIES DELTA	220/110	230/115	240/120	254/127	240/120	254/127	266/133	277/138
KVA BASE RATING FOR REACTANCE VALUES	50	50	50	48	60	62.5	62.5	65
X _d DIR. AXIS SYNCHRONOUS	2.33	2.10	1.95	1.67	3.04	2.83	2.59	2.47
X' _d DIR. AXIS TRANSIENT	0.18	0.16	0.15	0.13	0.22	0.20	0.19	0.18
X'' _d DIR. AXIS SUBTRANSIENT	0.12	0.11	0.10	0.09	0.15	0.14	0.13	0.12
X _q QUAD. AXIS REACTANCE	1.07	0.97	0.90	0.77	1.40	1.30	1.19	1.14
X'' _q QUAD. AXIS SUBTRANSIENT	0.14	0.13	0.12	0.10	0.14	0.13	0.12	0.11
X _l LEAKAGE REACTANCE	0.07	0.06	0.06	0.05	0.09	0.08	0.08	0.07
X ₂ NEGATIVE SEQUENCE	0.13	0.12	0.11	0.09	0.14	0.13	0.12	0.11
X ₀ ZERO SEQUENCE	0.08	0.08	0.07	0.06	0.09	0.08	0.08	0.07
REACTANCES ARE SATURATED				VALUES ARE PER UNIT AT RATING AND VOLTAGE INDICATED				
T _d TRANSIENT TIME CONST.	0.027 s							
T' _d SUB-TRANSTIME CONST.	0.006 s							
T' _{do} O.C. FIELD TIME CONST.	0.7 s							
T _a ARMATURE TIME CONST.	0.0055 s							
SHORT CIRCUIT RATIO	1/X _d							