

ژنراتور : Mecc Alte

موتور دیزل : Benz

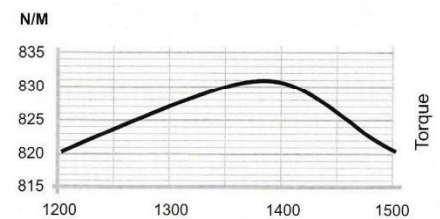
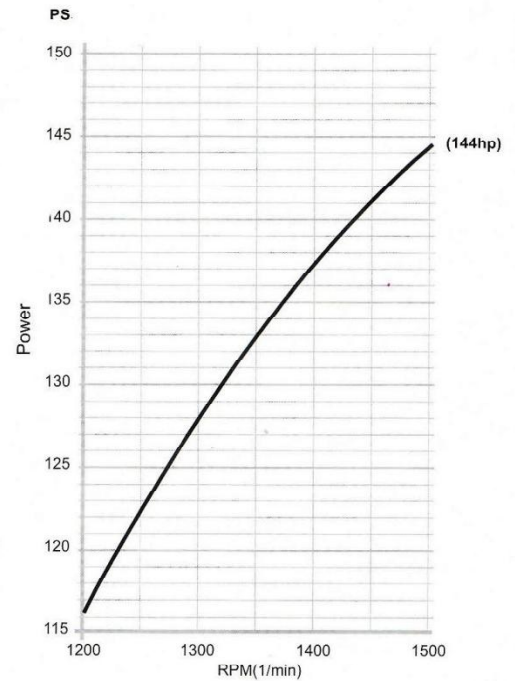
Standby		Prime		دیزل ژنراتور
KVA	KW	KVA	KW	
220	176	200	160	



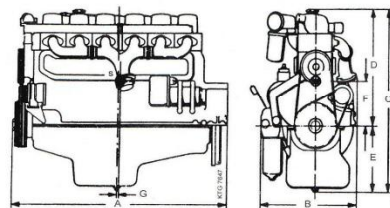
این موتور شش سیلندر برای مصارف مختلف کشاورزی و صنعتی مناسب می باشد. این محصول مجهز به شاسی فلزی، تابلو کنترل، فیلتر و سلنوئید های مختلف و غیره می باشد.

This 6- cylinder engine is suitable for various agricultural and industrial applications and is equipped with chassis , control panel , filter, solenoids, and etc.

Technical Specification		
NO.OF CYLINDERS	6	تعداد سیلندر
MAX (rpm)	1500	ماکزیمم دور بر دقیقه
MAX POWER	144 h.p.	حداکثر قدرت
MAX TORQUE	820 N.m @ 1400 rpm	حداکثر گشتاورد
COMPRESSION RATIO	16.1 : 1	نسبت تراکم
CYLINDER BORE	128 mm	قطر سیلندر
STROKE	150 mm	کورس پیستون
VOLUME	11.58 lit	حجم جابجایی
TOTAL ENGINE WEIGHT	880 kg	وزن کلی موتور
POWER / WEIGHT RATIO	4.85 kg/kw	نسبت وزن به قدرت
ROTATION	C.C.W	جهت چرخش (خلاف عقربه های ساعت)
COOLING WATER CAPACITY	27.5 lit.	ظرفیت سیال خنک کننده
MAX LUBRICATING OIL CAPACITY	24 lit.	حداکثر ظرفیت روغن
EMISSION STANDARD	Euro 1	استاندارد آلاینده
	(S< 0.05)%	(با سوخت کوفرد کمتر از ۰.۰۵٪)



A= 1335 m/m
B= 685 m/m
C= 1085 m/m
D= 700 m/m
E= 385 m/m
F= 280 m/m
G= 10 m/m
S= center of gravity



ژنراتور

Manufacturer	Stamford	تولید کننده
Type	UCI274H	تیپ
Maximum over Speed	2250 rev/min	مداکثر سرعت مجاز
Power factor	0.8	ضریب قدرت
Standby power at rated voltage ,KVA	182	توان Standby در ولتاژ نامی
Phase	3	فاز
Frequency, Hz	50	فرکانس
Voltage, V	380~440	ولتاژ
Rotor	with damping cage	روتور
Stator windings	Double Layer Concentric	سیم پیچ استاتور
Voltage Regulation, %	$-1.5 < X < +1.5$	تنظیم ولتاژ
Short circuit ratio	1/Xd	نسبت اتصال کوتاه
Protection	IP23	کلاس حفاظتی
Insulation Class	H	کلاس عایق

UCI274H

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	0.0155 Ohms PER PHASE AT 22°C SERIES STAR CONNECTED		
ROTOR WDG. RESISTANCE	1.82 Ohms 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. 6315-2RS (ISO)		
BEARING NON-DRIVE END	BALL. 6310-2RS (ISO)		

	1 BEARING		2 BEARING	
WEIGHT COMP. GENERATOR	626 kg		641 kg	
WEIGHT WOUND STATOR	253 kg		253 kg	
WEIGHT WOUND ROTOR	227.53 kg		216.57 kg	
WR ² INERTIA	1.9349 kgm ²		1.8843 kgm ²	
SHIPPING WEIGHTS in a crate	659 kg		673 kg	
PACKING CRATE SIZE	123 x 67 x 103 (cm)		123 x 67 x 103 (cm)	

	50 Hz				60 Hz			
TELEPHONE INTERFERENCE	THF<2%				TIF<50			
COOLING AIR	0.514 m ³ /sec 1090 cfm				0.617 m ³ /sec 1308 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	200	200	200	n/a	237.5	245	245	255
X _d DIR. AXIS SYNCHRONOUS	2.11	1.91	1.77	-	2.50	2.31	2.11	2.02
X' _d DIR. AXIS TRANSIENT	0.18	0.16	0.15	-	0.21	0.19	0.18	0.17
X'' _d DIR. AXIS SUBTRANSIENT	0.12	0.11	0.10	-	0.14	0.13	0.12	0.11
X _q QUAD. AXIS REACTANCE	1.28	1.15	1.07	-	1.53	1.41	1.29	1.23
X'' _q QUAD. AXIS SUBTRANSIENT	0.17	0.15	0.14	-	0.20	0.18	0.17	0.16
X _L LEAKAGE REACTANCE	0.08	0.08	0.07	-	0.10	0.09	0.08	0.08
X ₂ NEGATIVE SEQUENCE	0.13	0.12	0.11	-	0.16	0.15	0.13	0.13
X ₀ ZERO SEQUENCE	0.08	0.08	0.07	-	0.10	0.09	0.08	0.08

REACTANCES ARE SATURATED	VALUES ARE PER UNIT AT RATING AND VOLTAGE INDICATED							
T' _d TRANSIENT TIME CONST.	0.042 s							
T'' _d SUB-TRANSTIME CONST.	0.012 s							
T' _{do} O.C. FIELD TIME CONST.	1.1 s							
T _a ARMATURE TIME CONST.	0.012 s							
SHORT CIRCUIT RATIO	1/X _d							

UCI274H

Winding 311 / 0.8 Power Factor



RATINGS

Class - Temp Rise		Cont. F - 105/40°C				Cont. H - 125/40°C				Standby - 150/40°C				Standby - 163/27°C			
50 Hz	Series Star (V)	380	400	415	440	380	400	415	440	380	400	415	440	380	400	415	440
	Parallel Star (V)	190	200	208	220	190	200	208	220	190	200	208	220	190	200	208	220
	Series Delta (V)	220	230	240	254	220	230	240	254	220	230	240	254	220	230	240	254
	kVA	182.0	182.0	182.0	n/a	200.0	200.0	200.0	n/a	212.0	212.0	212.0	n/a	220.0	220.0	220.0	n/a
	kW	145.6	145.6	145.6	n/a	160.0	160.0	160.0	n/a	169.6	169.6	169.6	n/a	176.0	176.0	176.0	n/a
	Efficiency (%)	93.3	93.5	93.6	n/a	93.0	93.3	93.4	n/a	92.8	93.1	93.3	n/a	92.7	93.0	93.2	n/a
	kW Input	156.1	155.7	155.6	n/a	172.0	171.5	171.3	n/a	182.8	182.2	181.8	n/a	189.9	189.2	188.8	n/a

60 Hz	Series Star (V)	416	440	460	480	416	440	460	480	416	440	460	480	416	440	460	480
	Parallel Star (V)	208	220	230	240	208	220	230	240	208	220	230	240	208	220	230	240
	Series Delta (V)	240	254	266	277	240	254	266	277	240	254	266	277	240	254	266	277
	kVA	218.8	225.0	225.0	235.0	237.5	245.0	245.0	255.0	250.0	258.8	258.8	275.0	256.3	265.0	265.0	280.0
	kW	175.0	180.0	180.0	188.0	190.0	196.0	196.0	204.0	200.0	207.0	207.0	220.0	205.0	212.0	212.0	224.0
	Efficiency (%)	93.2	93.4	93.6	93.7	93.0	93.2	93.5	93.6	92.8	93.1	93.3	93.4	92.7	93.0	93.3	93.3
	kW Input	187.8	192.7	192.3	200.6	204.3	210.3	209.6	217.9	215.5	222.4	221.9	235.5	221.2	228.0	227.2	240.1

DIMENSIONS

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