Alternator Physical Data	
Manufactured for FG Wilson by:	Leroy Somer
Model:	LL1114M
No. of Bearings:	1
Insulation Class:	H
Winding Pitch Code:	2/3 - 6
Wires:	12
Ingress Protection Rating:	IP23
Excitation System:	SHUNT
AVR Model:	R220

Alternator Operating Data	
Overspeed: rpm	2250
Voltage Reguation: (Steady state)	+/- 1.0%
Wave Form NEMA = TIF:	50
Wave Form IEC = THF:	2.0%
Total Harmonic content LL/LN:	4.0%
Radiant Heat: kW (Btu/min)	
- 50 Hz	2.7 (154)
- 60 Hz	2.8 (159)

Alternator Performance Data:	50 Hz			60 Hz
Data Item	415/240V	400/230V	380/220V	220/127V
Motor Starting Capability* kVA	55	52	48	52
Short Circuit Capacity %	-	-	-	-
Reactances: Per Unit				
Xd	2.870	3.090	3.420	3.440
X'd	0.230	0.250	0.270	0.270
X"d	0.114	0.123	0.136	0.137

Reactances shown are applicable to prime ratings.
*Based on 30% voltage dip at 0.6 power factor.

Output Ratings Technical Data 50 Hz				
Voltage	**Prime:**		**Standby:**	
	kVA	**kW**	**kVA**	**kW**
415/240V	20.0	16.0	22.0	17.6
400/230V	20.0	16.0	22.0	17.6
380/220V	20.0	16.0	22.0	17.6

Output Ratings Technical Data 60 Hz				
Voltage	**Prime:**		**Standby:**	
	kVA	**kW**	**kVA**	**kW**
220/127V	22.5	18.0	25.0	20.0