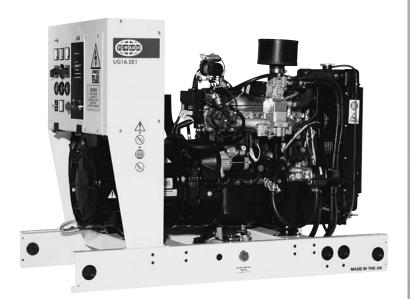
UG14P1/UG16.5E1



Output Ratings				
Generating Set Model		UG14P1/U	G16.5E1	
		PG Standby*		Gas Standby*
380 – 415V. 50 Hz	14.0 kVA	16.5 kVA	12.5 kVA	15.0 kVA
	11.2 kW	13.2 kW	10.0 kW	12.0 kW
220/127V. 60 Hz	16.9 kVA	20.0 kVA	16.8 kVA	18.8 kVA
	13.5 kW	16.0 kW	13.4 kW	15.0 kW

^{*} Refer to ratings definitions on page 4. Ratings at 1.0 pf

Technical Data				
Engine Make & Model	HM 1.8L			
Alternator Model	LUA1014NX			
Base Frame Type	Heavy Duty Fabri	icated Steel		
Circuit Breaker Type/Rating	3 Pole MCB			
Frequency	50 Hz	60 Hz		
Engine Speed	1500	1800		





Northern Ireland • Brazil • China • India • USA
With headquarters in Northern Ireland. FG Wilson operates through a Global Dealer

With headquarters in Northern Ireland. FG Wilson operates through a Global Dealer Network. To contact your local Sales Office please visit the FG Wilson website at www.FGWilson.com



Engine Technical Data

Physical	Data				Air System		50 Hz	60 Hz
Manufac	turer:		F	łМ	Combustion Air	Flow LPG:		
Model:			1	.8L	m³/min (cfm)	-Standby:	1.3 (46)	1.6 (57)
	ylinders/Alig	nment:	4 in	Line	, ,	-Prime:	1.1 (39)	1.3 (46)
Cycle:	,	,		troke	Combustion Air Flow Natural Gas:			
Induction	า:			Aspirated	m³/min (cfm)	-Standby:	1.1 (39)	1.5 (53)
Cooling I				ater	This (Cittl)	-Prime:	1.0 (35)	1.4 (49)
Governin			Elec	tronic			1.0 (55)	1.4 (47)
Class:	5 /1			528 G2	Max. Combustic			
	sion Ratio:			5:1	Restriction: kPc	ı (in H ₂ O)	1.5 (6)	1.5 (6)
•	ment: I (cu.iı	n)	1.8	(111)	Radiator Cooling	g Airflow:		
•	oke: mm (in)			/ 82.0 (3.2)	m³/min (cfm)		63 (2225)	75.6 (267
	lectrical Sys	stem:	, ,	, ,	External Restric	tion to		
_	-Voltage/Gr		12/N	egative	Cooling Airflox		247 (1)	247 (1)
	_	arger Amps		45	Cooming 7 withou	v. Kra (iii 11 ₂ 0)	217 (1)	217 (1)
Weight: I	•	J ,			Cooling System		50 Hz	60 Hz
(includes	lube oil)		143	(315)	Cooling System	Capacity:		
					l (US gal)		6.1 (1.6)	6.1 (1.6)
					Water Pump Typ	e:	Centri	fugal
					Heat Rejected to	o Water &		
Perform	ance		50 Hz	60 Hz	Lube Oil: kW (B	Stu/min)		
Engino S	Speed: rpm		1500	1800		-Standby:	14.1 (804)	17.1 (970
_	ngine Power	••	1300	1000		-Prime:	12.1 (685)	14.6 (827
kW (hp)	_		5.7 (21)	19.5 (26)	Heat Radiation	to Room:		
KW (np)		,	3.4 (18)	16.6 (22)	kW (Btu/min)	-Standby:	7.5 (424)	9.00 (512
5.7		i iiiie.	J. T (10)	10.0 (22)		ъ.	((() ()	7 7 (124)
BMEP: ki		andby: 69	1 (100.2)	715 (103.7)	Radiator Fan Lo	-Prime: ad: kW (hp)	6.4 (362) 0.52 (0.7)	7.7 (436) 0.9 (1.21)
BMEP: ki	-St	•	91 (100.2) 90 (85.5)	715 (103.7) 609 (88.3)	Radiator Fan Lo			
BMEP: ki	-St	•			Radiator Fan Lo Lubrication Sys	ad: kW (hp)		
Fuel Sys	-St - tem	Prime: 59	90 (85.5)	609 (88.3)	Lubrication Sys	ad: kW (hp)	0.52 (0.7)	0.9 (1.21
Fuel Sys	-St tem er Type:	Prime: 59	90 (85.5) laceable Ele	609 (88.3) ement	Lubrication Sys Oil Filter Type:	ad: kW (hp)	0.52 (0.7) Spin-On.	0.9 (1.21
Fuel Sys Fuel Filte Recomm	-St tem er Type: nended Fue	Prime: 59 Rep	90 (85.5) Haceable Ele G/Natural Go	609 (88.3) ement	Lubrication Sys Oil Filter Type: Total Oil Capaci	ad: kW (hp) tem ty L (US Gal)	0.52 (0.7) Spin-On. 4.5	0.9 (1.21 Full Flow (1.2)
Fuel Sys Fuel Filte Recomm	-St tem er Type: nended Fue nsumption L	Prime: 59 Rep I: LPG PG: m³/hr (cff	90 (85.5) Haceable Ele G/Natural Go	609 (88.3) ement	Lubrication Sys Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal	ad: kW (hp) tem ty L (US Gal)	0.52 (0.7) Spin-On. 4.5 4.0	0.9 (1.21 Full Flow (1.2) (1.1)
Fuel Sys Fuel Filte Recomm Fuel Cor	-St tem er Type: nended Fue nsumption L 110%	Rep I: LPG LPG: m³/hr (cffr	90 (85.5) Ilaceable Ele G/Natural Ge 75%	ement as 50%	Lubrication Sys Oil Filter Type: Total Oil Capaci	ad: kW (hp) tem ty L (US Gal)	0.52 (0.7) Spin-On. 4.5 4.0	0.9 (1.21 Full Flow (1.2)
Fuel Sys Fuel Filte Recomm Fuel Cor Prime	-St tem er Type: nended Fue nsumption L 110% Load	Rep I: LPG LPG: m³/hr (cfl 100% Load	90 (85.5) daceable Ele 6/Natural Go n) 75% Load	ement as 50% Load	Lubrication Sys Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal	ad: kW (hp) tem ty L (US Gal)):	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4	0.9 (1.21 Full Flow (1.2) (1.1)
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7)	Rep I: LPG PG: m³/hr (cff 100% Load 1.9 (67.1)	90 (85.5) claceable Electrical Goldson 75% Load 1.4 (49.4)	609 (88.3) ement as 50% Load 1.0 (35.3)	Lubrication Sys Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal	ad: kW (hp) tem ty L (US Gal)):	0.52 (0.7) Spin-On. 4.5 4.0	0.9 (1.21 Full Flow (1.2) (1.1)
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz	-St tem er Type: nended Fue nsumption L 110% Load	Rep I: LPG LPG: m³/hr (cfl 100% Load	90 (85.5) daceable Ele 6/Natural Go n) 75% Load	ement as 50% Load	Lubrication Sys Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal	ad: kW (hp) tem ty L (US Gal)):	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4	0.9 (1.21 Full Flow (1.2) (1.1)
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8)	Rep I: LPG PG: m³/hr (cff 100% Load 1.9 (67.1)	90 (85.5) claceable Electrical Goldson 75% Load 1.4 (49.4)	609 (88.3) ement as 50% Load 1.0 (35.3)	Cil Filter Type: Total Oil Capaci Oil Pan L (US Gall Oil Type:	ad: kW (hp) tem ty L (US Gal)): Back	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8)	Repl: LPG: m³/hr (cffr. 100% Load 1.9 (67.1) 2.2 (77.7)	75% Load 1.4 (49.4) 1.7 (60.0)	50% Load 1.0 (35.3) 1.2 (42.4)	Coll Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable	ad: kW (hp) tem ty L (US Gal)): Back in Hg)	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4	0.9 (1.21 Full Flow (1.2) (1.1)
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz Standby	-Stone -S	Repl: 59 Repl: LPG LPG: m³/hr (cffr 100% Load 1.9 (67.1) 2.2 (77.7)	90 (85.5) placeable Electrical Government of the second o	50% Load 1.0 (35.3) 1.2 (42.4)	Coll Filter Type: Total Oil Capaci Oil Pan L (US Gall Oil Type: Exhaust System Max. Allowable Pressure: kPa (ad: kW (hp) tem ty L (US Gal)): Back in Hg) w:	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz Standby 50 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8)	Repl: LPG: m³/hr (cffr. 100% Load 1.9 (67.1) 2.2 (77.7)	75% Load 1.4 (49.4) 1.7 (60.0)	50% Load 1.0 (35.3) 1.2 (42.4)	Cil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo	ad: kW (hp) tem ty L (US Gal)): Back in Hg) w:	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz Standby 50 Hz 60 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8)	Repl: LPG: m³/hr (cffr. 100% Load 1.9 (67.1) 2.2 (77.7)	75% Load 1.4 (49.4) 1.7 (60.0) 1.6 (56.5) 1.9 (67.1)	50% Load 1.0 (35.3) 1.2 (42.4)	Cubrication Sys Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo LPG: m³min (cfn	ad: kW (hp) tem ty L (US Gal)): Back in Hg) w: n) - Standby: - Prime:	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4 50 Hz 17.3 (5.1)	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40 60 Hz 17.3 (5.1
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz Standby 50 Hz 60 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8) n/a n/a	Repl: 59 Repl: LPG 100% Load 1.9 (67.1) 2.2 (77.7) 2.6 (91.8) Natural Gas:	75% Load 1.4 (49.4) 1.7 (60.0) 1.6 (56.5) 1.9 (67.1)	50% Load 1.0 (35.3) 1.2 (42.4) 1.1 (38.8) 1.4 (49.4)	Cil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo	ad: kW (hp) tem ty L (US Gal)): Back in Hg) w: n) - Standby: - Prime:	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4 50 Hz 17.3 (5.1) 3.87 (137)	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40 60 Hz 17.3 (5.1
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz Standby 50 Hz 60 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8)	Repl: 59 Repl: LPG 100% Load 1.9 (67.1) 2.2 (77.7) 2.6 (91.8)	75% Load 1.4 (49.4) 1.7 (60.0) 1.6 (56.5) 1.9 (67.1)	50% Load 1.0 (35.3) 1.2 (42.4)	Cubrication Sys Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo LPG: m³min (cfn	ad: kW (hp) tem ty L (US Gal)): Back in Hg) w: 1) - Standby: - Prime: 13/min (cfm) - Standby:	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4 50 Hz 17.3 (5.1) 3.87 (137) 3.23 (114) 3.57 (126)	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40 60 Hz 17.3 (5.1 4.83 (171 4.00 (141 4.89 (173
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz 50 Hz 60 Hz Fuel Cor Fuel Cor	-Stem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8) n/a n/a nsumption N 110% Load	Repl: 59 Repl: LPG 100% Load 1.9 (67.1) 2.2 (77.7) 2.6 (91.8) Natural Gas: 100%	75% Load 1.4 (49.4) 1.7 (60.0) 1.6 (56.5) 1.9 (67.1) 75% Load	50% Load 1.0 (35.3) 1.2 (42.4) 1.1 (38.8) 1.4 (49.4)	Cubrication Sys Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo LPG: m³min (cfn	ad: kW (hp) tem ty L (US Gal)): Back in Hg) w: n) - Standby: - Prime: n³/min (cfm)	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4 17.3 (5.1) 3.87 (137) 3.23 (114)	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40 60 Hz 17.3 (5.1 4.83 (171 4.00 (141 4.89 (173
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz 60 Hz 60 Hz Fuel Cor Prime 50 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8) n/a n/a	Rep I: LPG LPG: m³/hr (cff 100% Load 1.9 (67.1) 2.2 (77.7) 2.6 (91.8) Natural Gas: 100% Load	75% Load 1.4 (49.4) 1.7 (60.0) 1.6 (56.5) 1.9 (67.1) 75% Load 3.3 (116.5)	50% Load 1.0 (35.3) 1.2 (42.4) 1.1 (38.8) 1.4 (49.4) 50% Load 2.3 (81.2)	Cubrication Sys Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo LPG: m³min (cfn	tem ty L (US Gal)): Back in Hg) w: n) - Standby: - Prime: n³/min (cfm) - Standby: - Prime:	Spin-On. 4.5 4.0 AP1CF4 50 Hz 17.3 (5.1) 3.87 (137) 3.23 (114) 3.57 (126) 2.9 (102)	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40 60 Hz 17.3 (5.1 4.83 (171 4.00 (141 4.89 (173
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz 60 Hz Fuel Cor Prime 50 Hz 60 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8) n/a n/a nsumption N Load 5.1 (180.1 6.3 (222.5)	Rep I: LPG LPG: m³/hr (cff 100% Load 1.9 (67.1) 2.2 (77.7) 2.6 (91.8) Natural Gas: 100% Load) 4.3 (151.9)	75% Load 1.4 (49.4) 1.7 (60.0) 1.6 (56.5) 1.9 (67.1) 75% Load 3.3 (116.5)	50% Load 1.0 (35.3) 1.2 (42.4) 1.1 (38.8) 1.4 (49.4) 50% Load 2.3 (81.2)	Cubrication System Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo LPG: m³min (cfn	tem ty L (US Gal)): Back in Hg) w: n) - Standby: - Prime: n³/min (cfm) - Standby: - Prime:	Spin-On. 4.5 4.0 AP1CF4 50 Hz 17.3 (5.1) 3.87 (137) 3.23 (114) 3.57 (126) 2.9 (102)	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40 60 Hz 17.3 (5.1 4.83 (171 4.00 (141 4.89 (173 4.36 (154
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz 60 Hz 60 Hz Fuel Cor Prime 50 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8) n/a n/a nsumption N Load 5.1 (180.1 6.3 (222.5)	Rep I: LPG LPG: m³/hr (cff 100% Load 1.9 (67.1) 2.2 (77.7) 2.6 (91.8) Natural Gas: 100% Load) 4.3 (151.9)	75% Load 1.4 (49.4) 1.7 (60.0) 1.6 (56.5) 1.9 (67.1) 75% Load 3.3 (116.5)	50% Load 1.0 (35.3) 1.2 (42.4) 1.1 (38.8) 1.4 (49.4) 50% Load 2.3 (81.2)	Cubrication System Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo LPG: m³min (cfn Natural Gas: n	tem ty L (US Gal)): Back in Hg) w: n) - Standby: - Prime: n³/min (cfm) - Standby: - Prime:	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4 50 Hz 17.3 (5.1) 3.87 (137) 3.23 (114) 3.57 (126) 2.9 (102) (°F)	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40 60 Hz 17.3 (5.1 4.83 (171 4.00 (141 4.89 (173 4.36 (154
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz 60 Hz Fuel Cor Prime 50 Hz 60 Hz 50 Hz 50 Hz 60 Hz	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8) n/a n/a nsumption N Load 5.1 (180.1 6.3 (222.5	Rep I: LPG LPG: m³/hr (cff 100% Load 1.9 (67.1) 2.2 (77.7) 2.6 (91.8) Natural Gas: 100% Load) 4.3 (151.9)) 5.6 (197.8)	75% Load 1.4 (49.4) 1.7 (60.0) 1.6 (56.5) 1.9 (67.1) 75% Load 3.3 (116.5) 4.3 (151.9)	50% Load 1.0 (35.3) 1.2 (42.4) 1.1 (38.8) 1.4 (49.4) 50% Load 2.3 (81.2) 3.0 (105.9)	Cubrication System Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo LPG: m³min (cfn Natural Gas: n	tem ty L (US Gal)): Back in Hg) w: n) - Standby: - Prime: n³/min (cfm) - Standby: - Prime: mperature: °C - Standby:	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4 50 Hz 17.3 (5.1) 3.87 (137) 3.23 (114) 3.57 (126) 2.9 (102) (°F) 568 (1054)	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40 60 Hz 17.3 (5.1 4.83 (171 4.00 (141 4.89 (173 4.36 (154
Fuel Sys Fuel Filte Recomm Fuel Cor Prime 50 Hz 60 Hz 50 Hz 60 Hz Fuel Cor Prime 50 Hz 60 Hz Standby	-St tem er Type: nended Fue nsumption L 110% Load 2.2 (77.7) 2.6 (91.8) n/a n/a nsumption N Load 5.1 (180.1 6.3 (222.5	Rep I: LPG LPG: m³/hr (cff 100% Load 1.9 (67.1) 2.2 (77.7) 2.6 (91.8) Natural Gas: 100% Load) 4.3 (151.9)) 5.6 (197.8)	75% Load 1.4 (49.4) 1.7 (60.0) 1.6 (56.5) 1.9 (67.1) 75% Load 3.3 (116.5) 4.3 (151.9)	50% Load 1.0 (35.3) 1.2 (42.4) 1.1 (38.8) 1.4 (49.4) 50% Load 2.3 (81.2) 3.0 (105.9)	Cubrication System Oil Filter Type: Total Oil Capaci Oil Pan L (US Gal Oil Type: Exhaust System Max. Allowable Pressure: kPa (Exhaust Gas Flo LPG: m³min (cfn Natural Gas: n Exhaust Gas Ter LPG:	tem ty L (US Gal)): Back in Hg) w: n) - Standby: - Prime: n³/min (cfm) - Standby: - Prime: mperature: °C - Standby:	0.52 (0.7) Spin-On. 4.5 4.0 AP1CF4 50 Hz 17.3 (5.1) 3.87 (137) 3.23 (114) 3.57 (126) 2.9 (102) (°F) 568 (1054)	0.9 (1.21 Full Flow (1.2) (1.1) 15W-40 60 Hz 17.3 (5.1 4.83 (171 4.00 (141 4.89 (173 4.36 (154 600 (1112 584 (1083

Alternator Performance Data

		50 Hz					60 Hz		
Data Item	380/220	400/230	415/240	220/127	380/220 220/110	230/115	240/120 208/120	440/254 220/127	480/277 240/139
Motor Starting Capability* kVA	39	43	46	50	34	37	39	43	50
Reactances:									
Xd	1.45	1.31	1.22	1.08	2.11	1.90	1.76	1.57	1.32
X'd	0.09	0.08	0.07	0.07	0.13	0.12	0.11	0.11	0.08
X"d	0.045	0.040	0.037	0.033	0.065	0.058	0.054	0.048	0.040

Reactances shown are applicable to prime ratings using LPG fuel

Alternator Technical Data

Physical Data		Operating Data		
Manufacturer:	FG Wilson	Overspeed: RPM		2250
Model:	LUA1014NX	Voltage Regulation:	(steady state)	+/- 0.5%
No. of Bearings:	1	Wave Form NEMA =	=TIF:	<50
Insulation Class:	Н	Wave Form IEC=TH	F:	<2%
Winding Pitch Code:	2/3 (6)	Total Harmonic Con	tent LL/LN:	<4%
Wires:	12	Radio Interference:	Suppression is in li Standard EN6100	•
Ingress Protection Rating:	IP23	Radiant Heat: kW (Bt	u/min)	
Excitation System:	SHUNT		-50 Hz:	1.8 (102)
AVR Model:	R250		-60 Hz:	2.2 (125)

 $^{^{*}\,\,}$ Based on 30% voltage dip at 0.9 power factor and shunt excitation system

Technical Data

1 Phase Ratings and Performance at 50 Hz. 1500 RPM

1 Phase Ratings and Performance at 60 Hz. 1800 RPM

Voltage	Model: UG11P1S Prime		Model: UG13E1S Standby		Voltage	Model: UG11P1S Prime		Model: UG13E1S Standby	
	kVA	kW	kVA	kW		kVA	kW	kVA	kW
380/220	14.0	11.2	16.5	13.2	380/220	16.9	13.5	20.0	16.0
400/230	14.0	11.2	16.5	13.2	220/110	16.9	13.5	20.0	16.0
415/240	14.0	11.2	16.5	13.2	230/115	16.9	13.5	20.0	16.0
220/127	14.0	11.2	16.5	13.2	240/120	16.9	13.5	20.0	16.0
					208/120	16.9	13.5	20.0	16.0
					440/254	16.9	13.5	20.0	16.0
					220/127	16.9	13.5	20.0	16.0
					480/277	16.9	13.5	20.0	16.0
					240/139	16.9	13.5	20.0	16.0

These ratings are based on generating set performance using LPG fuel.

Voltage	Model: UG11P1S Prime		Model: UG13E1S Standby		Voltage	Model: UG11P1S Prime		Model: UG13E1S Standby	
	kVA	kW	kVA	kW		kVA	kW	kVA	kW
380/220	12.5	10.0	15.0	12.0	380/220	16.7	13.4	18.8	15.0
400/230	12.5	10.0	15.0	12.0	220/110	16.7	13.4	18.8	15.0
415/240	12.5	10.0	15.0	12.0	230/115	16.8	13.4	18.8	15.0
220/127	12.5	10.0	15.0	12.0	240/120	16.8	13.4	18.8	15.0
					208/120	16.8	13.4	18.8	15.0
					440/254	16.8	13.4	18.8	15.0
					220/127	16.8	13.4	18.8	15.0
					480/277	16.9	13.5	18.8	15.0
					240/139	16.9	13.5	18.8	15.0

These ratings are based on generating set performance using Natural Gas fuel.

Definitions

Standby Rating

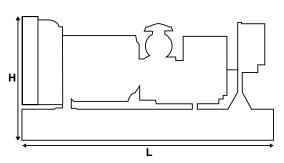
These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3).

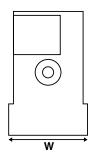
Prime Rating

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.

Standard Reference Conditions

Ratings in accordance with ISO 8528. All engine performance data based on the above mentioned maximum continuous ratings. Fuel Consumption data assumes complete combustion of LPG fuel with a calorific value of 95MJ/m³ and of Natural gas with a calorific value of 34.4MJ/m³.





Weights & Dimensions

	Dimensions: mm (in)	Weight: kg (lbs)		
Length	1350 (53.1)	Net (+ lube oil)	393 (866)	
Width	715 (28.1)	Wet (+ lube oil & coolant)	405 (893)	
Height	1004 (39.5)			

General Data

Documents

A full set of operation and maintenance manuals and circuit wiring diagrams.

Control Panel Standards

The equipment meets the following standards: BS5000. ISO 8528. ISO 3046. IEC 60034. NEMA MG-1.22.

FG Wilson is a fully accredited ISO 9001 company.

Warranty

All equipment carries full manufacturer's warranty. Extended warranty terms available. For details on warranty cover please contact your local dealer. or visit our website. www.FGWilson.com

UG14P1-UG16.5E1/4PP/0106/GB