

2.4L Naturally Aspirated Stationary

Date: 9/30/2016 **Rev:** A



1-1/4" NPT

3/4"

2. 12 Naturally Replicated Stationary	Rev:	A					
	Units		2.4L				
EMERGENCY "STANDBY"		Metric	1500 1800			00	
eneral Engine Data			•				
Туре		N/A		Inline 4	4 Cylinder		
Number of cylinders		N/A		4			
Aspiration		N/A		Naturally Aspirated			
Bore	in	mm	3.4	86.5	3.4	86.5	
Stroke	in	mm	3.93	100	3.93	100	
Displacement	in^3	L	143.5	2.4	143.5	2.4	
Compression Ratio	N/A	_	140.0		9.5:1	2.7	
RPM Range (Min-Max)		RPM		1500-1800			
Rotation Viewed from Flywheel		N/A		Counter Clockwise			
,	_	N/A		1-3-4-2			
Firing Order	_			260			
Dry Weight (long Block)		LBS					
ross Standby Power Rating ^{1,2,3} Per ISO 3046 at the Flywheel			HP	kWm	HP	kWm	
LP			38.38	28.62	46.52	34.69	
Standby Rating Average Load Factor - LP			31.47	23.47	38.15	28.45	
NG			34.79	25.95	42.81	31.92	
Standby Rating Average Load Factor - NG			28.53	21.28	35.10	26.17	
Please ask a PSI sales representative for information reg	garding prim	e power op	eration				
chaust System							
Туре				Air Cool	ed Manifold		
Emergency Standby Rating Catalyst Configuration for US Certified Product			No Catalyst		No Catalyst		
Maximum allowable Back pressure	in HG	kPa	3	10.2	3	10.2	
Exhaust Volumetric Flow at Rated Power @ 1350 F	cfm	m^3/min	208.90	5.9	248.22	7.0	
ir Induction System		_					
Maximum allowable Intake Air Restriction with Air Cleaner							
Clean	inH2O	kPa	3	1.49	3	1.49	
Dirty	inH2O	kPa	13	3.24	13	3.24	
Combustion Air required (volume)	cfm	m^3/min	62.29	18.0	74.74	21.6	
pooling System	OIIII	111 0/111111	02.20	10.0	7 1.7 1	21.0	
Heat rejected to Cooling water at rated Load	btu/min	kcal/sec	1330	5.59	1520	6.39	
Cracking Temperature	F	С	160	71	160	71	
Full Open Temperature	F	С	185	85	185	85	
ıbrication System							
			SAE 5_3	N ADI D	ating of SM	or New	
Oil Specification			SAL SW-C	JU ALLIN	atting of Sivi	OFTNEW	
Maximum Allowable Oil Temperature	F	С	250	121	250	121	
Engine Oil Capacity							
Min	Qts	L	4.5	4.25	4.5	4.25	
Max	Qts	L	N/A	N/A	N/A	N/A	
uel System							
Fuel Consumption @ Rated Load							
NG	lb/hp-hr	kg/hr	0.361	N/A	0.359	N/A	
LP	lb/hp-hr	kg/hr	0.376	N/A	0.377	N/A	
Maximum EPR Rated Pressure	psi	kPa	1.0	6.9	1.0	6.9	
	inH2O	kPa kPa	11.0	2.7	11.0	2.7	
Recommended Maximum Running pressure to Electronic Pressure Regulator (EPR)							
Recommended Minimum Running pressure to EPR Minimum NG Supply Pine Size ⁴	inH2O	kPa	7.0	1.7	7.0	1.7	
INVIDITION NG SUPPLY PIDE SIZE	1		1	1_1//	T Nh I		

¹ Standby and overload ratings based on ISO 3046. See PSI technical standard 3630000A for additional duty cycle and engine rating information

For information not listed in this document, please contact you PSI sales representative

Minimum NG Supply Pipe Size⁴

Minimum LPG Supply Pipe Size

 $^{^2}$ All ratings are gross flywheel horsepower corrected to 77°F at an altitude of 328 feet with no cooling fan or alternator losses using heating value for NG of 1015 BTU/SCF.

³ Production tolerances in engines and installed components can account for power variations of +/- 5%. Altitude, temperature and excessive exhaust and intake restrictions should be applied to power calculations.

⁴The preceeding pipe sizes are only suggestions and piping sizes may vary with temperature, pressure, distance from supply and application of local codes. Gas must be available at adequate volume and pressure for engine at the EPR.