Or daedong					
		Ratings (kW/HP)		AG SCHELE	
Туре	Rated RPM	Gross Engine Output	Net Engine Output		
3A165LWEG-U	1800	18.0 / 24.1	18.0 / 24.1		
3A165LWEG-E	1500	15.0 / 20.1	15.0 / 20.1	STACE V	

Ratings Definition

Emergency Standby and Prime power ratings adhere to ISO 8528 standards. Electric power (kWe) should account for factors such as cooling fan loss, alternator efficiency, altitude derating, and ambient temperature. <u>Standby Power Rating</u> is meant for providing emergency power during utility outages. No overload capability is available for this rating and it should be sized for a maximum 80% average load factor, with a limit of 200 hours of operation per year. This includes less than 25 hours per year at Standby Power rating.

<u>Prime Power Rating</u> is suitable for unlimited annual hours in variable load application, with a 70% average of the rating within any 24-hour period. The total operating time at 100% Prime Power should not exceed 500 hours per year. Additionally, a 10% overload capability is allowed for up to 1 hour within a 12-hour period, but the total operating time at this overload should not surpass 25 hours per year.

© GENERAL ENGINE DATA

Emission Level	3A165LWEG-U : TIER4 NTE	
Engine Type	3-Cylinder, 4-Cycle, In-line, Diesel, Water cooled, N/A	
Bore x Stroke	Ø87 x 92.4 mm	
Displacement	1.647 liters	
Compression Ratio	21.7 : 1	
Combustor Type	In-Direct Injection(Swirl Chamber)	
► Rotation	Counter clockwise viewed from Flywheel	
Dimension (L x W x H)	615 x 495 x 656.5 mm	
Dry Weight	175kg (with Fan)	
Aspiration	N/A	
► Governor Type	Electric Control (ECU)	
Injection timing	14° BTDC	
 Alternator Capacity 	12V-75A	
► Firing order	1-2-3	
Flywheel housing	SAE No.4	
► Flywheel	Clutch No.7-1/2	

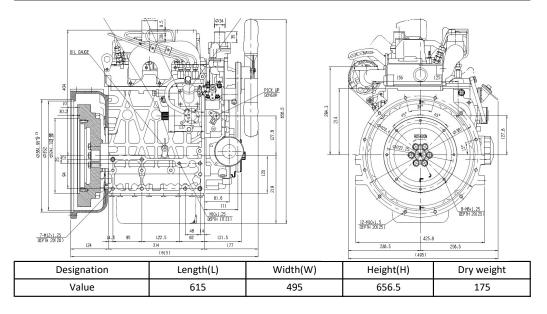
Specifications are subject to change without prior notice

CONVERSON TABLE

Power	Torque	
hp = Kw x 1.3405	Nm = (9549 x Kw)/rpm	U.G gal = lit. x 0.264
kW = hp x 0.7459	Nm = 1.3558 x lb-ft	kW = 0.2388 kcal/s
kW = [torque(Nm) x rpm)/9549	lb-ft =(5252 x hp)/rpm	lb/PS.h = g/Kw.h x 0.00162
hp = [torque(lb-ft) x rpm] /5252	lb-ft = 0.73756 x Nm	cfm = m3/min x 35.336



♦ ENGINE DIMENSION



Revised on DEC 3, 2023

