

TAM QUICK ENGINE SPECIFICATION

specs_wau_d176g.xlsx

Waukesha D176G				
176 CU. IN.				
BORE	STROKE	FIRING ORDER	MAIN JOURNAL	ROD JOURNAL
3.625	4.25	1-2-4-3	2.25	1.75/2.00/2.25
SPARK PLUG TYPE	SPARK PLUG GAP	DISTRIBUTOR GAP	IGN.TIMING IDLE SPEED	OIL CAPACITY PLUS FILTER
	0.025		5 deg.BTDC/500	4 U.S.qts.
LOCATION		TORQUE VALUES		LOCATION
LOCATION	FT. LB.		LOCATION	FT. LB.
Main brg.caps	88-92		Oil pan drain plug	
Rod brg.caps	ESNA:35 MARSDEN:46		Oil pump bolt	
Cyl. head bolts	89.5-91.6		Water outlet bolt	
B/shft.gr. retainer	33-38		Water pump bolt	
Idler gear retainer	34-35		Wtr.pmp.pulley bolt	
Flywheel bolt	67-69			
Flywheel housing	24			
Rocker arm bolt	19-20			
Spark plug	24-28			
PISTON				
Piston diameter	3.6235-3.6245		Sleeve clearance	.001-.003
Pin diameter	.8741-.8743			
RINGS				
Ring gap-Top	.010-.020		Side clearance Top	.002-.0035
Ring gap-2nd	.010-.020		Side clearance 2nd	.002-.004
Ring gap-Oil	.015-.055		Side clearance Oil	.0065 max
CRANKSHAFT				
Main journal dia.	2.249-2.250		Rod journal dia.	1.75/2.00/2.25
Main run clearance	.005-.081		Rod run clearance	.0127-.0635
End play	.045-.0105			
CAMSHAFT				
No.1 journal dia.	1.749-1.750		No.4 journal dia.	1.7485-1.7495
No.2 journal dia.	1.7485-1.7495		End play	Thrust button
No.3 journal dia.	1.7485-1.7495			
VALVES				
Intake length	4.974-4.994		Exhaust length	4.8655-4.8835
Intake stem dia.	.372-.373		Exhaust stem dia.	.371-.372
Intake head dia.	1.449-1.459		Exhaust head dia.	1.390-1.397
Intake face angle	44 deg. 30 sec.		Exhaust face angle	44 deg. 30 sec.
Intake clearance	.007-.013 cold		Exhaust clearance	.017-.013 cold