

TECHNICAL SPECIFICATION OF NEW XL50 LW ENGINE (5HP-1500/WC)



SR.NO	DESCRIPTION	UNIT	VALUE
1	BORE	mm	87.5
2	STROKE	mm	80
3	CUBIC CAPACITY	Lits	0.481
4	NUMBER & ARRANGEMENT OF CYLINDER	-	1-Vertical
5	FIRING ORDER	-	NA
6	WORKING CYCLE	-	4-Stroke Diesel
7	COMBUSTION PRINCIPLE	-	Compression Ignition
8	COMPRESSION RATIO	-	17:1
10	DIRECTION OF ROTATION (LOOKING FROM FWE)	-	Clockwise
11	RATED SPEED	rpm	1500
12	COOLING SYSTEM	-	Water Cooled
13	FUEL TIMING AT 2200 rpm(BY SPILL CUT OFF)	Deg BTDC	23
14	OVERALL DIMENSION		
	LENGTH	mm	450
	WIDTH	mm	420
	TOTAL HEIGHT	mm	636
15	WEIGHT OF STANDARD ENGINE	kg	115
16	POWER RATING AS PER IS: 10001		
	1. CONTINUOUS	HP/RPM	5/1500
17	GOVERNING	Class(%)	B1(8)
18	SFC OF WELL RUN ENGINE	g/kw-h	251 +5%
		g/bhp-h	185 +5%
19	INJECTOR OPENING PRESSURE	Bar	200-210
20	SUMP CAPACITY (Max.)	Lit	1.8
21	L.O.RECOMMENDATION	-	SAE-30
22	L.O.CONSUMPTION	-	Max. 0.5% of SFC
23	BIS / ISI	Yes	IS:11170
24	Air Cleaner	Yes	Oil Bath Type
25	Silencer	Yes	Paper Pot Type

Technical Specifications of pumps with New XL50 LW engines

Pumpset Specs	Pump Model	VA4+
	Part no.	
	Pump Type	Non Self Priming
	Suction Delivery Type (BSP-Inch) / (mm)	4"x4"/100X100
	Rated Discharge (lps)	17
	Rated Head (mtr)	15
	Head Range (mtr)	10.4-14.3
	Discharge range (lps)	27.5-15.6
	Efficiency (%)	72
	BIS / ISI Certification 	IS:6595
	Suitable for Engine Rated HP (KW)	5 (3.7)
	Rated Engine Speed RPM	1500