

MAIN PARTICULARS	WDM2	WDM2C	WDP1	WDG2	WDP2	GT46MAC
LENGTH OVER BUFFER BEAMS	15862 mm	15862mm	14810mm	17850mm	19182mm	19962mm
DISTANCE BETWEEN BOGIE CRS	10516mm	10516mm	8800mm	11500mm	11700mm	13868mm
WHEEL ARRANGEMET	Co-C0TRIMOUNT	CO-O TRIMOUNT	Bo-Bo FLEXI-COIL	Co-Co HIGH ADH	Co-C0 Flexi Coil	Co-Co
WT.IN WORKING ORDER	112.81	112.81	80t	123t	117t	<=129t
MAX.AXLEL LOAD	18.8t	18.8t	20t	21t	19.5t	<=21.5t
MAX.STARTING EFFORT(adh.%)	30.4t(27%)	30.4t(27%)	20t(25%)	37.9t(30.8%)	29.25t	55t(>41%)
MAX.SPEED	120kmph	120kmph	120kmph	100 kmph	140kmph	100kmph
IN PUT TO TRACTION	2250 HP SITE	2750 HP SITE	2000 HP SITE	2750 HP SITE	2750 HP SITE	3781 HP SITE
	1678 KW SITE	2052 KW SITE	1492 KW SITE	2052 KW SITE 2052 KW SITE	2052 KW SITE	2821 KW SITE
Engine /make & Type	251-B ALCO	251-C, 16 CYL.	251-C, 12 CYL.	251-C,16CYL.	251-C, 16 CYL.	16-710 G38
	16 CYL.	UPGRADED	UPGRADED	UPGRADED	UPGRADED	
ENG. HORSE POWER	2600 HP(UIC)	3100 HP(UIC)	2300 HP(IIC)	3100 HP(UIC)	3100 HP(UIC)	4073HP(AAR) /3095KW
	2400 HP SITE	2900 HP SITE	2150 HP SITE	2900 HP SITE	2900 HP SITE	

	1790KW SITE	2163KW SITE	1604 KW SITE	2163 KW SITE	2163 KW SITE	
BORE/STROKE	228.6 X 266.7mm					230.1 X 279.4mm
COMPRESSION RATIO	11.75:1					16:01
RPM(MAX/IDLE)	1000/400	1050/400	1000/400	1050/400	1050/400	900/200
FUEL INJECTION SYSTEM			DIRECT			UNIT INJECTOR
COOLING SYSTEM PUMPTYPE			CENTRIFUGAL			CENTRIFUGAL
FAN DRIVE	EDDY CURRENT CLUTCH					AC MOTOR
FAN POWER	86 HP AT MAX ENG. RPM					84.6 KW/1134 HP
TURBO SUPER CHARGER	ALCO 720	ABB/NAP NA 295IR	NAP NA295	NAP NA 295IR/ABB/GE/HS	NAP NA 295IR	EMD MODEL'G'
		ABB VTC304-15	ABBVTC304	ABB VTC304-15	ABB VTC 304-15	
GOVERNOR	GE/WW	GE17MG8/WOODWARD 8574-650		WW/ MCBG	WW/MCBG	WWPGR
TRACTION ALTERNATOR	BHEL TG 10931AZ	BHEL TA 10102 CW	BHEL TA10106 AZ	BHEL TA 10102 CW	TA-101026 W	TA-17-CA6A
RPM	1000	1050	1000	1050	1050	900
MAX.VOLTAGE	770V	1130V	750V	1130V	1130V	2200-AC/3000DC
MAX.CURRENT	4520 AMP	4400AMP	4200AMP	4400AMP	4400AMP	1600 AC/2100DC

Traction Motor	165,165M	4906				
Type		Bhel4906AZ/ 4907			TM5002AZ	siemens 1Tb2624
Cont. Current		1000 AMP			NA	214AMP
Cont. Voltage		325V			NA	1470V
Max.Speed		2275		2445	NA	3300
Gear Ratio		65/18		74/18	22/61	90/17
AUX.GEN						
Type	AG51	AG3101AY	AG27777702AZ	AG3101AY	AG3101AY	COMPANION ALTERNATOR
Rating	12KW160A	12KW160A	12KW160A	12KW160A		18KW.75V
	75V at805/ 2400RPM	75 v at950/ 2400 RPM	75 V at 950/ 2400 RPM	75 V at 950/ 2400 RPM	200 RPM	243 A DC AT 200ENG.RPM
EXCITER						
Type	AG 51	AG3101 AY	AG 2702 AZ	AG3101 AY	AG3101 AY	BUILT IN EXCITER
Rating	12KV.75V	18.75KW75V	21KW,90V	18.75KW,75V	18.75Kw,75V	THE SYSTEM HAS TA,RECTIFIER DC. LINK INVERTERS & TMs.
	160AMP AT850/ 2400 RPM	250AMP AT950/ 2400 RPM	220AMP at 950/ 2400 RPM	250AMP at 950/ 2400 RPM	2400 RPM	
BATTERIES	LEAD ACID 450 AMP. HRS					
FUEL TANK	INTEGRAL WITH CHASSIS	DETACHABLE	DETACHABLE	DETACHABLE	DETACHABLE	DETACHABLE
	5000LTI	5000 LTI	3000LTI	6000 LTI	5000 LTI	6000 LTI
BRAKES	28 LAV1	IRAB-1	28 LAV1	IRAB-1	IRAB-1	CCB
	AIR & VACUUM	AIR	AIR & VACUUM	AIR	AIR	AIR

COMPRESSOR/ EXPRESSOR	6CD3UC EXP.	KCW 623/ELGI 3CDB COMP	6CD 3 UC EXP.	KCW623/ELGI 3CDB COMP	KCW623/ELGI	GARDNER DENVER
COMP CAPACITY	2500VMIN at 400rpm	2260Vm at 400rpm	2500V min at 400rpm	2260Vm at 400rpm	2260Vm at 400rpm	4950Vm at 900
	6000Vmin at 1000 rpm	5600Vm at 1050 rpm	6000Vmn at 1000 rpm	5600Vm at 1050 rpm	5600Vm at 1050 rpm	(FAD at 9.8kg/cm2)
EXH.CAPACITY	5200Vmin at 400 rpm	(FAD at 10kg/cm2	5200Vmin at 400 rpm	(FAD at 10kg/cm2	(FAD at 10kg/cm2	
	13000Vmin at 1000 rpm		13000Vmin at 1000 rpm			