

AIR BOOSTER



MODEL: KB-280

**STATIONARY TYPE RECIPROCATING
AIR BOOSTER**



DETAILED SPECIFICATIONS

COMPRESSOR	
CAPACITY @ 333.5 PSIG (23 BAR) SUCTION @ 700 PSIG DISCHARGE @ 1925 RPM	2800 CFM
MAXIMUM DISCHARGE PRESSURE	1010 PSIG
OPERATING SPEED	1200 RPM - 1925 RPM
MAXIMUM OVERALL COMPRESSION RATIO FROM SUCTION	2.78:1

ENGINE	
MODEL	ASHOK LEYLAND
RATING	280 BHP @ 1900 RPM
FUEL	DIESEL
ELECTRICAL SYSTEM	24 VDC

BOOSTER MEASUREMENTS AND WEIGHT	
OVERALL LENGTH	132 INCH
OVERALL HEIGHT	87 INCH
OVERALL WIDTH	72 INCH
DRY WEIGHT	3107 KG
WET WEIGHT	3980 KG
(WET INCLUDES OIL, OIL, COOLANT, FUEL, BATTERIES)	

FLUID CAPACITIES	
PUMPER LUBRICATING OIL	8.5 LTR
ENGINE LUBRICATING OIL	28.3 LTR
COOLANT SYSTEM	83.2 LTR
FUEL TANK	225 LTR

SAFETY RELIEF VALVE SETTINGS	
SUCTION	450 PSIG
1 ST STAGE	1200 PSIG



SET PRESSURES

UNLOAD VALVE REGULATOR	100 PSIG
BACK PRESSURE REGULATOR	400 PSIG
DISCHARGE PRESSURE SWITCH	1000 PSIG MAXIMUM, OR DESIRED UNLOAD PRESSURE

COOLING SYSTEM

PRE COOLER AMBIENT	+ 8° C
AFTER COOLER AMBIENT	+ 25° C
METAL	COPPER TUBE

SHUT DOWN SET POINTS

SUCTION HIGH GAS TEMPERATURE	160°F
18 STAGE HIGH GAS TEMPERATURE	400°F
LOW PUMPER OIL PRESSURE	20 PSIG
ENGINE OVERSPEED	2100 RPM

BATTERIES

SIZE	1231 MF
CCA @ 32°F	1260
CCA @ 0°F	1100
BATTERY VOLTAGE	12VDC
CIRCUIT	SERIES
CIRCUIT VOLTAGE	24 VDC
QUANTITY	2