

AIR COMPRESSORS

CATEGORY AIR, LUBE, FUEL & REELS

hidrive

HIDRIVE FACT SHEET 7001

AIR COMPRESSOR OPTIONS

PETROL COMPRESSOR

PROS

- Good at providing power to simultaneous air tool usage
- More Cost Effective, Petrol options are considerably cheaper to purchase compared a diesel equivalent
- Increased flexibility to control power output and fuel usage - compressor can be calibrated to match your requirements resulting in lower fuel consumption etc.

CONS

- Fuel intake cannot be connected to the vehicle fuel tank - most commercial Utes and Trucks have a diesel engine
- Not Mine Site Compliant - due to the combustible nature of petrol these types of compressor are often prohibited on mine sites in Australia
- Must be used outdoors, can not be mounted inside a service body due to fumes

DIESEL COMPRESSOR

PROS

- Provide highest level of output compared to Electric and Petrol Compressors
- Provides higher torque and greater capacity for vast range of simultaneous air tool connection
- Ability to connect fuel intake to the vehicle fuel tank eliminating the need to fill the compressor tank directly (most Utes and Trucks are Diesel)
- Mine Site Compliant - due to non-combustible fuel the Diesel compressor are preferred on most mine sites

CONS

- Diesel compressors models are generally made with smaller fuel tanks
- More Expensive compared to Petrol/Electric Options
- Must be used outdoors, can not be mounted inside a service body

ELECTRIC COMPRESSOR

PROS

- More compact compressor unit compared to Petrol/Diesel options, allowing more flexibility with mounting locations
- Ability to be mounted inside the service body as the electric compressor does not produce any fumes
- Quieter operation
- Able to separate the tank and compressor meaning the compressor can be mounted inside the service body and the tank, underbody etc.

CONS

- Generally requires a Dual Battery to operate effectively and consistently
- Only available for smaller applications with max of 226lpm



1 - STANDARD PETROL / DIESEL SKID MOUNTED COMPRESSOR AND AIR TANK 2 - OVER UNDER PETROL / DIESEL COMPRESSOR AND TUBE TANK 3 - 12 / 24 VOLT ELECTRIC AIR COMPRESSOR (135lpm) SUITS 18L AUXILIARY AIR TANK 4 - 24 VOLT ELECTRIC AIR COMPRESSOR (226lpm) SUITS 18L AUXILIARY AIR TANK 5 - 18L AUXILIARY AIR TANK

AIR COMPRESSOR TERMINOLOGY

LPM

Refers to the **LITERS PER MINUTE** and is the amount of air the compressor can output per minute. If you are using your compressor to run air powered tools you will need to look at the LPM required to run the tools efficiently to help choose the right compressor.

CFM

Refers to the **CUBIC FEET PER MINUTE** and is the amount of air that a compressor can produce at a given pressure level, essentially this is a similar type of measurement to LPM. The higher this number, the more air is being forced through the system. 1 CFM is approximately 0.47 liters per second.

PSI

Refers to **POUNDS PER SQUARE INCH** and is a measurement of the amount of pressure placed on a square inch of space. This is the amount of force that an air compressor can deliver

CHOOSING THE RIGHT **AIR COMPRESSOR**

AIR COMPRESSOR OPTIONS			
AIR TOOL	AIR CONSUMPTION		PRESSURE
	LPM	CFM	PSI
GREASE GUN	34	1.2	40 - 100
INFLATORS	50	2	115
BLOW GUNS	300	10	90 - 220
NAIL GUNS	80 - 170	3 - 6	90 - 115
RACHETS	115	4	90
SAWS	170	6	90
GRINDERS	170 - 340	6 - 10	90
SANDERS	400	14	90
DRILLS	285	10	90
HAMMERS	285	10	90
IMPACT WRENCH	240 - 400	8 - 14	90
SPRAY GUNS	340 - 400	12 - 14	30 - 70

NOTE : This chart is only a guide, your tools may differ, we recommend checking your equipment manuals to obtain correct specifications

When choosing a portable air compressor for your service vehicle there are several things you need to consider to ensure the compressor is suitable for your application.

Total Air Consumption - a compressor needs to supply enough air flow at the right pressure for air tools to work correctly, air consumption is generally measured in Liters Per Minute (lpm)

Air Pressure and Quality - a compressor needs to deliver a volume of air at the tools specified operational pressure, this is generally measured as PSI. If the air pressure required is lower than the air compressors PSI a regulator will need to be used as excessively high pressure can damage tool not built to handle it.

Tool Usage - the volume of air a tool requires will be affected by how you use that tool - continuously or intermittently - if you are using high consumption tools in a continuous manner a larger air tank is recommended



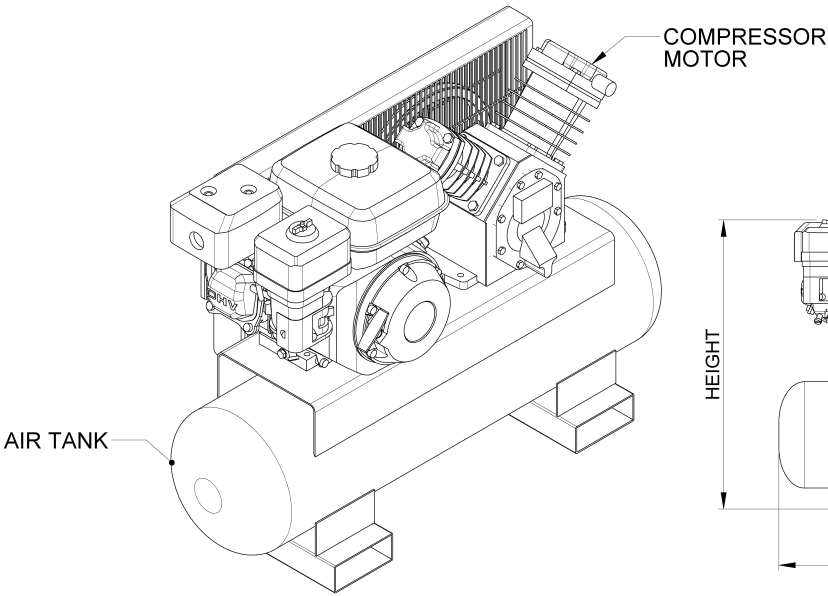
SPECIFICATIONS

AIR COMPRESSOR OPTIONS											
CODE	MODEL	LPM	CFM	PSI	MOTOR	POWER	TANK	APPROX. DIMENSIONS (mm)			WEIGHT
								LENGTH	WIDTH	HEIGHT	
PETROL OPTIONS											
STANDARD COMPRESSOR											
36030005	P17	350	12.4	100	HONDA GX200	6.5 HP	68L	1100	470	820	85 kg
36030013	P21	420	14.8	100	HONDA GX200	6.5 HP	68L	1250	470	850	114 kg
36030014	P25	545	19.2	150	HONDA GX270	9.0 HP	68L	1250	520	900	135 kg
36030015	P30	620	21.9	150	HONDA GX270	9.0 HP	110 L	1300	470	910	148 kg
UNDER / OVER COMPRESSOR											
36030004	P17	350	12.4	100	HONDA GX200	6.5 HP	5L	640	385	980	95 kg
36030019	P25	545	19.2	150	HONDA GX270	9.0 HP	5L	750	420	1000	130 kg
DIESEL OPTIONS											
STANDARD COMPRESSOR											
36030002	P17 D	350	12.4	100	YANMAR L48	4.8 HP	68L	1100	460	850	125 kg
36030003	P21 D	420	14.8	100	YANMAR L48	4.8 HP	68L	1100	460	850	137 kg
36030016	P25 D	545	19.2	150	YANMAR L70	6.7 HP	110L	1300	470	910	190 kg
36030011	P35 D	720	25.4	150	YANMAR L70	6.7 HP	150L	1470	580	1060	220 kg
36030012	P52 D	1050	37.1	150	YANMAR L100	10.0 HP	150L	1470	580	1060	240 kg
UNDER / OVER COMPRESSOR											
36030020	P17	350	12.4	100	YANMAR L48	4.8 HP	5L	640	400	980	95 kg
36030021	P25	545	19.2	150	YANMAR L70	6.7 HP	5L	750	420	1000	130 kg
36030022	P35	720	25.4	150	YANMAR L70	6.7 HP	21L	950	450	1030	195 kg
ELECTRIC OPTIONS											
36030001	12V	135	4.7	29	ELECTRIC 12V	N/A	18L	300	120	200	15 kg
36030017	24V	135	4.7	29	ELECTRIC 24V	N/A	18L				
36030018	24V	226	7.9	100	ELECTRIC 24V	N/A	18L	535	180	280	30 kg

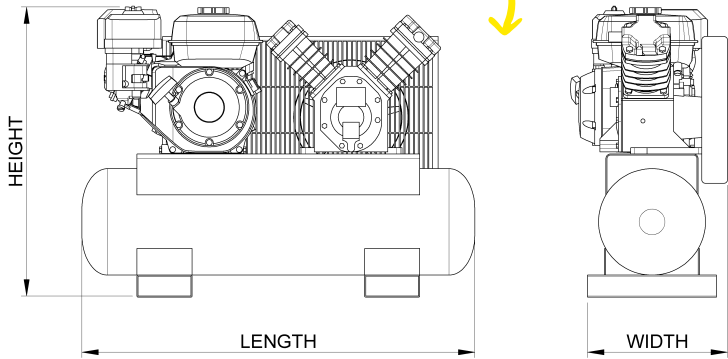
18L AUXILLARY AIR TANK, suits 12/24V Air Compressors

CODE	CAPACITY	LENGTH	WIDTH	HEIGHT	WEIGHT
N/A	18L	465 mm	250 mm	275 mm	6.9 kg

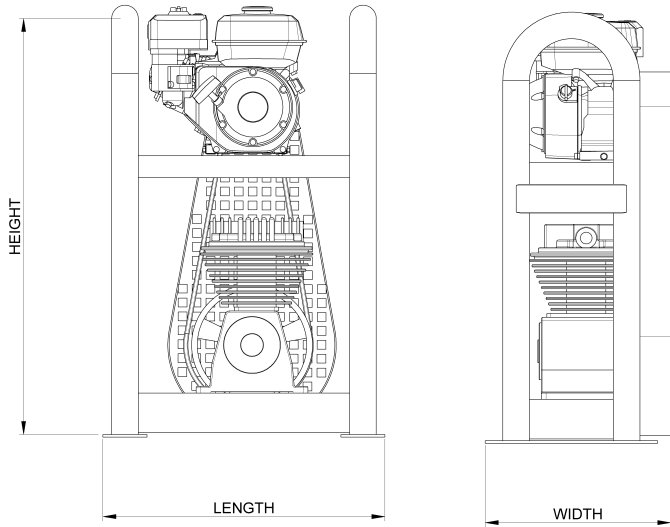
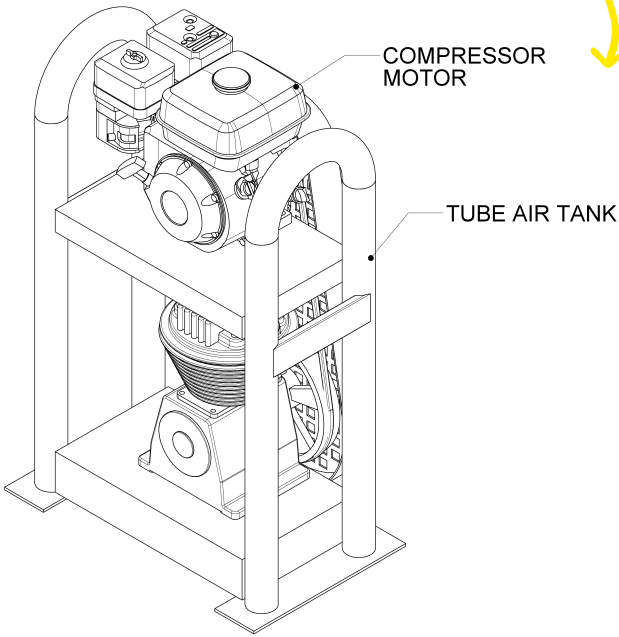
NOTE : 18L Auxillary Air Tank is included standard with all Electric Air Compressor options and can be mounted remotely from the compressor



STANDARD COMPRESSOR
DIESEL OR PETROL



UNDER-OVER COMPRESSOR
DIESEL OR PETROL



RELATED PRODUCTS



ISO 9001 QUALITY
Certified System

GENUINE ACCESSORY
12 MONTH
WARRANTY hidrive

