Electrical specs on page 2

GENERAL AIR PRODUCTS

LT Plus Series - Three Phase Tank Mounted Air Compressors for Dry Pipe Sprinkler Systems

LT Plus Series

This tank mounted air compressor is specifically designed to fill systems to 40 PSI in 30 minutes as per NFPA 13

- A.S.M.E. Coded Industrial Receiver
- A.S.M.E. Coded Safety Valve
- Single Stage Air Cooled Pump
- Fan Type Flywheel
- Integral Air Filter
- NEMA Standard Multi-Voltage Motors
- UL Listed Unloading Pressure Switch
- **30" Stainless Steel Flex Hose (NEW)**
- **Vibration Isolation Pads (NEW)**

System Capacity (gal) +	Model Number	Average CFM *	Motor HP	Recommended Wire Size ++	Dimensions			Weight (lbs)	Tank Capacity (gal)
					L	W	H		
200	LT20033B	2.43	1/3	12	33	13	28	115	10
290	LT29050B	3.52	1/2	12	33	13	28	115	10
365	LT36575B	4.43	3/4	12	33	13	28	124	10
425	LT425100B	5.15	1	12	33	13	28	130	10
620	LT620100B	7.91	1	10	36	15	30	170	20
900	LT900150B	10.91	1 1/2	10	36	15	30	181	20
1000	LT1220200B	14.80	2	10	36	15	30	190	20
1300	LT1300300B	15.76	3	8	36	15	30	190	20
1600	LT1600300B	19.40	3	8	40	18	44	310	30
2000	LT2000500B	24.25	5	6	40	18	44	319	30
2500	LT2500500B	30.32	5	6	40	18	44	336	30

Accessories:

Air Maintenance Device - *Part # AMD-1*
The AMD-1 is **required** for supplying air to a dry pipe system when using a tank mounted unit. The AMD-1 regulates the volume of air being delivered to the system.

Motor Line Starters - *Thermal Overload Protection*

Three Phase

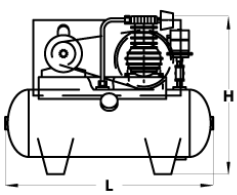
	208/230V	460V	Size	Model
Maximum HP	1 1/2 HP	2 HP	00	MG00B
	3 HP	5 HP	0	MGX0B
	7 1/2 HP	10 HP	1	MG01B

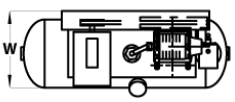
When Ordering a Motor Starter you must specify HP, Voltage and Phase that is supplied to the motor.

Notes:

+ System Capacity based on 70°F system temperature.
* Average CFM is the average free air delivery from 0 to 40 PSIG
++ Recommended Wire Sizes based on 100ft run. consult factory for longer or shorter runs.

VOLTAGE - All Three Phase Units: 208-230/460 VAC



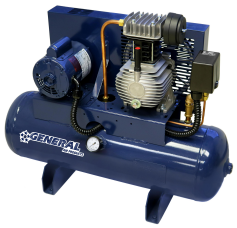


GENERAL AIR PRODUCTS

LT Plus Series - Three Phase Tank Mounted Fire Protection Air Compressor Electrical Cut Sheet

LT Plus Series

This tank mounted air compressor is specifically designed to fill systems to 40 PSI in 30 minutes as per NFPA 13



Model Number	Nominal HP	Factory Wired Voltage	Amperage (amps)				Recommended Wire Size Based on Run Length (gage)		
			Voltage	FLA	Start Up	Breaker Size	25 FT	50 FT	100 FT
LT20033B	1/3	460	208	1.5	10.5	15	12	12	12
			230	1.6	11.2	15	12	12	12
			460	0.8	5.6	15	12	12	12
LT29050B	1/2	460	208	2.1	14.7	15	12	12	12
			230	2.2	15.4	15	12	12	12
			460	1.1	7.7	15	12	12	12
LT36575B	3/4	460	208	3	21	15	12	12	12
			230	2.8	19.6	15	12	12	12
			460	1.4	9.8	15	12	12	12
LT425100B	1	460	208	3.7	25.9	15	12	12	12
			230	3.7	25.9	15	12	12	12
			460	1.8	12.9	15	12	12	12
LT620100B	1	460	208	4.5	31.5	15	12	12	10
			230	4.4	30.8	15	12	12	12
			460	2.2	15.4	15	12	12	12
LT900150B	1 1/2	460	208	4.5	31.5	15	12	12	10
			230	4.4	30.8	15	12	12	12
			460	2.2	15.4	15	12	12	12
LT1220200B	2	460	208	6	42	15	12	12	10
			230	5.8	40.6	15	12	12	12
			460	2.9	20.3	15	12	12	12
LT1300300B	3	460	208	9.2	64.4	25	12	10	8
			230	8.6	60.2	25	12	12	12
			460	4.3	30.1	15	12	12	12
LT1600300B	3	460	208	8.1	56.7	25	12	10	8
			230	7.8	54.6	20	12	12	12
			460	3.9	27.3	15	12	12	12
LT2000500B	5	460	208	13.2	92.4	35	12	8	6
			230	12.4	86.8	35	12	12	10
			460	6.2	43.4	20	12	12	12
LT2500500B	5	460	208	13.2	92.4	35	12	8	6
			230	12.4	86.8	35	12	12	10
			460	6.2	43.4	20	12	12	12

Note:
Wire sizes are based on maintaining 90% of the nominal voltage at starting amps. Starting amps are assumed to be 6 times the SFA.

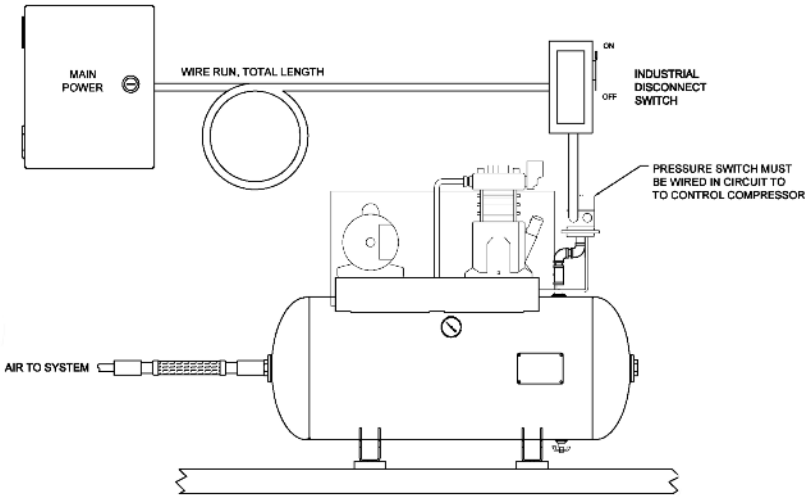
Warning:
Failure to consult with a licensed electrical professional can result in serious personal injury or death. Disconnect all power before servicing. Undersized wire between the motor and the power source will limit the starting and load carrying abilities of the motor causing motor overheating and permanent damage to the motor. Wire sizes listed are recommendations only - consult the National Electric Code (NEC) and any applicable local electrical safety codes. The NEC and GAP recommends a maximum voltage drop of 3%. Install motors and related equipment in accordance with the National Electrical Code (NEC) local electrical safety codes and practices. **It is always the electrician's responsibility to determine and install a wire size that ensures motors can start and run well.**

LT Plus Series - Three Phase Connection Diagram

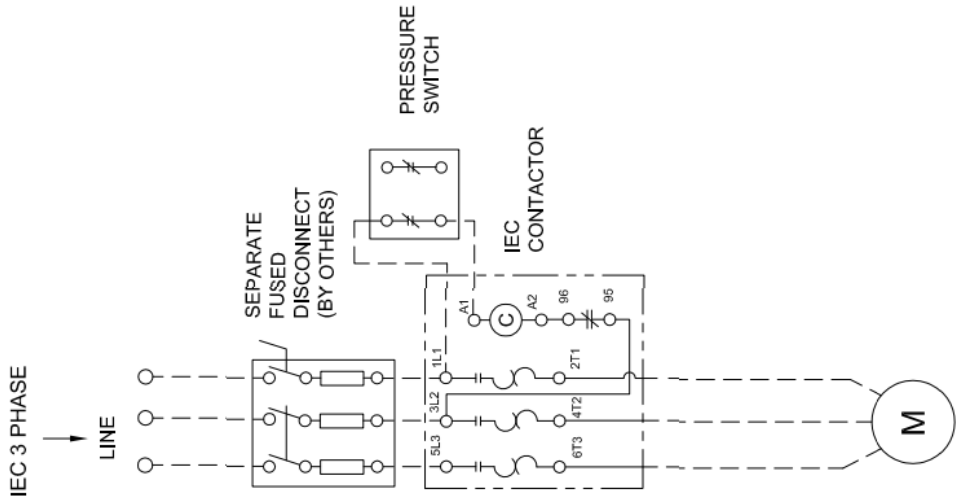
LT Plus Series

This tank mounted air compressor is specifically designed to fill systems to 40 PSI in 30 minutes as per NFPA 13

System Layout



Motor Starter Connection (3 Phase Only)



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