



Technical Data Sheet

LTs5-20, 10 bar, 60hz

ATLAS COPCO Industrial Piston Compressor

Reference Conditions	LTs5-10	LTs7-10	LTs10-10	LTs15-10	LTs20-10	Unit
Absolute Inlet Pressure	14.5	14.5	14.5	14.5	14.5	psi
Relative Air Humidity	0	0	0	0	0	%
Air Inlet Temperature	20	20	20	20	20	F
Effective Working Pressure	7	7	7	7	7	bar
Reference Shaft Speed	1800					r/min
Oil Type	L Piston Fluid					Type
Limits for Operations						
Max Effective Working Pressure	145	145	145	145	145	psi
Min Effective Working Pressure	14.5	14.5	14.5	14.5	14.5	psi
Max Inlet Temperature	104	104	104	104	104	F
Min Ambient Temperature	32	32	32	32	32	F
Performance Data						
Free Air Delivery:						
At Reference Conditions:	20.5	28.8	38.5	57.6	77.1	cfm
At Stated Working Pressure:						
145 psi	17.4	24.8	35.4	49.6	70.7	cfm
58 psi	24.6	33.5	43.2	67	86.4	cfm
29 psi	27.5	37.1	46.8	74.2	93.6	cfm
Temp of Air Leaving the Cylinder:						
At Reference Conditions:	321	321	379	321	379	F
At Stated Working Pressure:						
145 psi	332	330	399	330	399	F
58 psi	296	289	341	289	341	F
29 psi	253	246	309	246	309	F
Max Air Temp at Outlet Valve:	134	141	147	141	147	F
Electrical Data						
Motor HP	5	7	10	15	20	hp
Motor Type	Induction					
Enclosure	TEFC					
Voltage	460/3					V
Transmission	Direct-Driven					
Motor Efficiency	89.5	91.7	91.7	91.7	91.7	%
Starter Type	YD					
Additional Requirements						
Mean Sound Pressure Level	78	75	76	78	79	db(A)
Physical Data						
Base Mounted:						
Length	56.7	56.7	56.7	56.7	56.7	in
Width	31.8	31.8	31.8	31.8	31.8	in
Height	34.3	34.3	34.3	34.3	34.3	in
Weight	502.6	584.2	599.6	1168.4	1199.3	lbs
Tank Mount (71 gal)						

Length	69.0	69.0	69.0	NA	NA	in
Width	31.8	31.8	31.8	NA	NA	in
Height	51.7	51.7	51.7	NA	NA	in
Weight	668	749.5	765	NA	NA	lbs
Full Feature (71 gal)						
Length	71.5	71.5	71.5	NA	NA	in
Width	31.8	31.8	31.8	NA	NA	in
Height	51.7	51.7	51.7	NA	NA	in
Weight	712	793.6	809	NA	NA	lbs

*LTs 15-20 HP are only available in base-mounted configuration.

*These machines ARE NOT compatible with food grade oil.