

TECHNICAL DATA

LS190 & LS190S Series - 250 HP 60 Hz Horsepower Rated

MODEL	LS19007(S)	LS19008(S)	LS19009(S)	LS19010(S)	LS19014(S)
<u>Compressor Performance*</u>					
Full Load Pressure - psig	100	110	125	150	200
Capacity at Full Load Pressure - acfm	1360	1300	1240	1060	960
Power at Full Load Pressure - bhp	281.0	281.8	285.6	266.0	280.7
Package kW Air-cooled	218.9	219.6	223.2	207.4	218.7
Package kW Water-cooled	216.2	217.2	221.2	204.7	216.0
Gear Ratio	0.651	0.626	0.591	1.044	0.957
<u>Cooling Data</u>					
Fluid Flow - gpm	64.0	64.2	64.6	60.5	63.8
Heat Rejection - Fluid Clr. BTU/min.	10045	10083	10148	9498	10026
Heat Rejection - Aft. Clr. BTU/min.	2110	2022	1896	1656	1495
<u>Water-Cooled Series Flow (w/aftercooler)</u>					
Flow at 80°F Water in - gpm	71	71	71	71	71
Pipe connection NPT In/Out - in.	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Max./Min. Water Pressure - psig	75/25	75/25	75/25	75/25	75/25
Water Outlet Temperature F°	101	101	101	99	96
<u>Cooling Air Flows</u>					
Air Flow Water-cooled Fan w/encl. - cfm	4800	4800	4800	4800	4800
Water-cooled Vent Fan - hp	0.75	0.75	0.75	0.75	0.75
Air Flow Air-cooled Fan - cfm	10340	10340	10340	10340	10340
Air-cooled Fan Motor-hp	2.0 x 2	2.0 x 2	2.0 x 2	2.0 x 2	2.0 x 2
Air-cooled Fan Motor Nominal Efficiency - %	88.5%	88.5%	88.5%	88.5%	88.5%
Standard Fan Water Column - in	1/8	1/8	1/8	1/8	1/8
Optional High Static Fan Water Column - in	3/4	3/4	3/4	3/4	3/4
<u>Air/Fluid Housing</u>					
Fluid Fill Capacity - U.S. Gal.	24	24	24	24	24
Volume - Cubic Feet Air (U.S. Gal.)	90	90	90	90	90
Rated Pressure - psig	160	160	160	235	235
<u>dBa Ratings at 1 Meter (Typical)</u>					
Air-cooled w/o enclosure	TBD	TBD	TBD	TBD	TBD
Water-cooled w/o enclosure	TBD	TBD	TBD	TBD	TBD
Air-cooled w/enclosure	78	78	78	78	78
Water-cooled w/enclosure	76	76	76	76	76

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Filter Rating

Inlet Air	99.99% Efficiency per ISO 5011
Main Lubricant Flow Beta	Beta 20 > 200 Per ISO 16889

Dimensions & Weights w/o Enclosure - Uncrated

Length - in.	139	139	139	139	139
Width - in.	82	82	82	82	82
Height - in.	91	91	91	91	91
Weight - lbs. - Air-Cooled	10482	10482	10482	9284	9284
Weight - lbs. - Water-Cooled	10635	10635	10635	9437	9437
Discharge Connection - Flanged	4"	4"	4"	4"	4"
Moisture Drain Connection - in. NPT	1/2	1/2	1/2	1/2	1/2

Dimensions & Weights w/Enclosure - Uncrated

Length - in.	141	141	141	141	141
Width - in.	82	82	82	82	82
Height - in.	92	92	92	92	92
Weight - lbs. - Air-Cooled	11406	11406	11406	10208	10208
Weight - lbs. - Water-Cooled	11559	11559	11559	10361	10361
Discharge Connection - Flanged	4"	4"	4"	4"	4"
Moisture Drain Connection - in. NPT	1/2	1/2	1/2	1/2	1/2

Electrical Data (Typical across all models)	460V	575V	380V
Motor HP	250	250	250
Motor Nominal Efficiency	96.8%	96.8%	96.8%
Nominal RPM	1788	1788	1788
Frame Size	447/9TSC	447/9TSC	447/9TSC
Service Factor	1.20	1.20	1.20
Nameplate Amps	293	234	354
Locked Rotor Amps - Max.	2871	2293	3469
Starter Enclosure Rating	NEMA 4	NEMA 4	NEMA 4
Starter Size Amp Rating	265	265	400
Fan Nameplate Amps (Air Cooled)	3.0 x 2	2.4 x 2	3.6 x 2
Package Amps (Air Cooled)	331	264	400

* Capacity per CAGI/PNEUROP PN2CPTC2 (Annex C to ISO 1217)

**Data is based upon 80°F & 80% R.H. Ambient Conditions

NOTE: Data subject to change without notice

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