

TECHNICAL DATA

LS220V Series - 300 HP 60 Hz Horsepower Rated

MODEL	LS22007V	LS22008V	LS22009V	LS22010V	LS22014V
<u>Compressor Performance*</u>					
Full Load Pressure - psig	100	110	125	150	200
Capacity at Full Load Pressure - acfm	1620	1530	1440	1285	1120
Power at Full Load Pressure - bhp	356.4	348.5	349.8	343.2	342.2
Package kW Air-cooled	278.6	272.6	273.6	268.5	267.7
Package kW Water-cooled	275.4	268.5	270.7	264.3	263.6
Gear Ratio	0.626	0.626	0.626	0.986	0.865
<u>Cooling Data</u>					
Fluid Flow - gpm	79	77	79	75	78
Heat Rejection - Fluid Clr. BTU/min.	12363	12100	12367	11780	12198
Heat Rejection - Aft. Clr. BTU/min.	2521	2375	2278	1992	1785
<u>Water-Cooled Series Flow (w/aftercooler)</u>					
Flow at 80°F Water in - gpm	85	85	85	85	85
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°	102	101	101	100	94
<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	16000	16000	16000	16000	16000
Air-cooled Fan Motor-hp	4.0 x 2	4.0 x 2	4.0 x 2	4.0 x 2	4.0 x 2
Air-cooled Fan Motor Nominal Efficiency - %	89.5	89.5	89.5	89.5	89.5
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 (Crated)

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	11126	11126	11126	11126	11126
Weight - lbs. - Water-Cooled	11169	11169	11169	11169	11169
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 (Crated)

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	12050	12050	12050	10852	10852
Weight - lbs. - Water-Cooled	12093	12093	12093	10895	10895
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	300	300	300
Motor Nominal Efficiency	96.2%	96.2%	96.2%
Nominal RPM	1788	1788	1788
Frame Size	447/9TSC	447/9TSC	447/9TSC
Service Factor	1.20	1.20	1.20
Nameplate Amps	359	287	434
Locked Rotor Amps - Max.	3770	3014	4557
Starter Enclosure Rating	N/A	N/A	N/A
Starter Size Amp Rating	N/A	N/A	N/A
Variable Speed Drive Enclosure Rating	NEMA 12	NEMA 12	NEMA 12
Variable Speed Drive Amp Rating	477	382	675
Fan Nameplate Amps (Air Cooled)	5.7 x 2	4.5 x 2	6.8 x 2
Package Amps LS22009V - AC/WC	433	346	524

* 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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