

TECHNICAL DATA

TS220S Series - 300 HP 60 Hz Horsepower Rated

MODEL	TS22007S	TS22008S	TS22009S	TS22010S	TS22014S
<u>Compressor Performance*</u>					
Full Load Pressure - psig	100	110	125	150	200
Capacity at Full Load Pressure - acfm	1735	1662	1572	1444	1207
Power at Full Load Pressure - bhp	332.8	333.2	334.8	337.3	329.5
Package kW Air-cooled	261.3	261.6	262.9	264.8	258.8
Package kW Water-cooled	257.2	257.5	258.7	260.7	254.6
Gear Ratio	0.842	0.814	0.762	0.706	0.589
<u>Cooling Data</u>					
Fluid Flow - gpm	76	77	77	77	76
Heat Rejection - Fluid Clr. BTU/min.	11999	12012	12071	12161	11878
Heat Rejection - Aft. Clr. BTU/min.	2672	2585	2420	2245	1877
<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	102	102	102	101
<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.	34	34	34	34	24
Volume - Cubic Feet Air (U.S. Gal.)	137	137	137	137	90
Rated Pressure - psig	185	185	185	185	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	12001	12001	12001	12001	10801
Weight - lbs. - Water-Cooled	11901	11901	11901	11901	10701
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	12939	12939	12939	12939	11739
Weight - lbs. - Water-Cooled	12970	12970	12970	12970	11770
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	96.8%	96.8%	96.8%
Nominal RPM	1788	1788	1788
Frame Size	L447/9TSC	L447/9TSC	L447/9TSC
Service Factor	1.20	1.20	1.20
Nameplate Amps	344	275	416
Locked Rotor Amps - Max.	3062	2448	3702
Starter Enclosure Rating	NEMA 4	NEMA 4	NEMA 4
Starter Size Amp Rating	265	265	400
Variable Speed Drive Enclosure Rating	N/A	N/A	N/A
Variable Speed Drive Amp Rating	N/A	N/A	N/A
Fan Nameplate Amps (Air Cooled)	5.7 x 2	4.5 x 2	6.8 x 2
Package Amps (Air Cooled)	420	336	509

* 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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