

TECH DATA

SN75 Series - 100 HP 60 Hz Horsepower Rated

MODEL	SN7507	SN7509	SN7510	SN7512
<u>Compressor Performance*</u>				
Full Load Pressure - psig	100	125	150	175
Capacity at Full Load Pressure - acfm	490	444	398	370
Power at Full Load Pressure - bhp	112.4	109.0	107.4	108.8
Package kW Air-Cooled	90.4	87.7	86.5	87.6
Package kW Water-Cooled	88.1	85.5	84.3	85.3
Gear Ratio	2.52	2.26	2.03	1.91
<u>Cooling Data</u>				
Fluid Flow - gpm	23.0	21.0	23.0	23.0
Heat Rejection - Fluid Clr. BTU/min.	3873	3813	3822	3930
Heat Rejection - Aft. Clr. BTU/min.	894	809	723	672
<u>Water-Cooled Series Flow (w/aftercooler)</u>				
Flow at 80°F Water in - gpm	18.75	18.75	18.75	18.75
Pipe connection NPT In/Out - in.	1 1/2 / 1 1/2	1 1/2 / 1 1/2	1 1/2 / 1 1/2	1 1/2 / 1 1/2
Max./Min. Water Pressure - psig	75/25	75/25	75/25	75/25
Water Outlet Temperature F°	110	110	110	110
<u>Cooling Air Flows</u>				
Air Flow Water-Cooled Fan w/encl. - cfm	2845	2845	2845	2845
Water-Cooled Vent Fan - hp	1/4	1/4	1/4	1/4
Air Flow Air-Cooled Fan - cfm	8200	8200	8200	8200
Air-Cooled Fan Motor - hp	3.0	3.0	3.0	3.0
Air-Cooled Fan Motor Nominal Efficiency	89.5%	89.5%	89.5%	89.5%
Standard Fan Water Column - in.	1/8	1/8	1/8	1/8
High Static Fan Water Column - in.	3/4	3/4	3/4	3/4
<u>Air/Fluid Housing</u>				
Fluid Fill Capacity - U.S. Gal.	5.0	5.0	5.0	5.0
Volume - Cubic Feet Air (U.S. Gal.)	3.1 (23)	3.1 (23)	3.1 (23)	3.1 (23)
Rated Pressure - psig	210	210	210	210
<u>dba Ratings at 1 Meter (Typical)</u>				
Air-Cooled w/enclosure	73	73	73	73
Water-Cooled w/enclosure	CONSULT FACTORY			
<u>Filter Rating</u>				
Inlet Air	99.9% Eff. To 3 Microns Per SAE J726C			
Main Lubricant Flow Beta	Beta 20 = 200 Per ISO 16889			

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Dimensions & Weights w/Enclosure - Uncrated (Crated)

Length - in.	87.6 (97.0)	87.6 (97.0)	87.6 (97.0)	87.6 (97.0)
Width - in.	43.4 (49.9)	43.4 (49.9)	43.4 (49.9)	43.4 (49.9)
Height - in.	68.5 (77.2)	68.5 (77.2)	68.5 (77.2)	68.5 (77.2)
Weight - lbs.	3567 (3897)	3567 (3897)	3567 (3897)	3567 (3897)
Discharge Connection - in. NPT	2	2	2	2
Moisture Drain Connection - in. NPT	1/4	1/4	1/4	1/4

Electrical Data (Typical across all models)	230V	460V	575V
Motor HP	100	100	100
Motor Nominal Efficiency	95.4%	95.4%	95.4%
Nominal RPM	1780	1780	1780
Frame Size (TEFC)	404/5TSC	404/5TSC	404/5TSC
Service Factor	1.2	1.2	1.2
Nameplate Amps	222.0	111.0	90.4
Locked Rotor Amps - Max.	1465	733	660
Starter Enclosure Rating	NEMA 4	NEMA 4	NEMA 4
Starter Size Amp Rating	300	115	115
Fan Amps (Air Cooled)	8.83	4.41	3.53
Package Amps (Air Cooled)	249.9	124.9	100.0
Package Amps (Water Cooled)	243.5	121.8	97.4

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

NOTE: Data subject to change without notice

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