

TECH DATA

SN55V Series - 75 HP 60 Hz Horsepower Rated

| MODEL | SN5507V | SN5509V | SN5510V | SN5512V |
|--|---------------------------------------|---------------|---------------|---------------|
| <u>Compressor Performance*</u> | | | | |
| Full Load Pressure - psig | 100 | 125 | 150 | 175 |
| Capacity at Full Load Pressure - acfm | 377 | 341 | 306 | 278 |
| Power at Full Load Pressure - bhp | 84.0 | 84.0 | 84.0 | 84.0 |
| Package kW Air-Cooled | 69.6 | 69.6 | 69.6 | 69.6 |
| Package kW Water-Cooled | 68.2 | 68.2 | 68.2 | 68.2 |
| Gear Ratio | 1.35 | 1.35 | 1.17 | 1.17 |
| <u>Cooling Data</u> | | | | |
| Fluid Flow - gpm | 15.0 | 17.0 | 19.0 | 21.0 |
| Heat Rejection - Fluid Clr. BTU/min. | 2876 | 2940 | 3003 | 3055 |
| Heat Rejection - Aft. Clr. BTU/min. | 688 | 622 | 559 | 508 |
| <u>Water-Cooled Series Flow (w/aftercooler)</u> | | | | |
| Flow at 80°F Water in - gpm | 13.8 | 13.8 | 13.8 | 13.8 |
| 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 | 6000 | 6000 | 6000 | 6000 |
| Air-Cooled Fan Motor - hp | 2.0 | 2.0 | 2.0 | 2.0 |
| Air-Cooled Fan Motor Nominal Efficiency | 88.5% | 88.5% | 88.5% | 88.5% |
| 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 | 72 | 72 | 72 | 72 |
| 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. | 3411 (3741) | 3411 (3741) | 3411 (3741) | 3411 (3741) |
| 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) | 460V | 575V |
|--|-------------|-------------|
| Motor HP | 75 | 75 |
| Motor Nominal Efficiency | 95.0% | 95.0% |
| Nominal RPM | 1780 | 1780 |
| Frame Size (ODP) | 364/5TSC | 364/5TSC |
| Service Factor | 1.2 | 1.2 |
| Nameplate Amps | 84.1 | 65.8 |
| Variable Speed Drive Enclosure Rating | NEMA 12 | NEMA 12 |
| Variable Speed Drive Amp Rating | 103 | 99 |
| Fan Amps (Air Cooled) | 3.23 | 2.58 |
| Package Amps (Air Cooled) | 100.5 | 80.4 |
| Package Amps (Water Cooled) | 98.5 | 78.8 |

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

NOTE: Data subject to change without notice

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