



# INSTALLATION DATA SHEET



Doc. No.: TI.IDS-001  
Version 1.5

**SX with Kaeser Control**

Date: 03-09-07

MODEL	SX 6	SX 7
<b>COOLING DATA:</b>		
Cooling System Available (Std. / Opt.)	A / C	A / C
Standard Ambient Temp. Range [F]	40 - 105	40 - 105
Air inlet opening [sq. ft.]	1.1	2.2
Cooling Fan Capacity [cfm] (forced ventilation with exhaust fan)	880	1177
Internal Cooling Fan Capacity [cfm] (exhaust air used for space heating)	706	880
Max. Additional Pressure Drop for Ducts [inch Water Column]	1/16	1/8
Approach Temp. [°F]	18	18
Typical Heat Rejected [BTU / HR]	15,702	21,181
Recommended Heating Duct (W x H) [in]	6 x 13 3/8	7 3/4 x 14
<b>CONNECTIONS [in.]:</b>		
Air Discharge [NPT]	1/2	3/4
Power Input Conduit Opening(s)	7/8	1 1/16
<b>NOISE LEVEL DATA:</b>		
(Measured in dB(A) at 1 m (approx. 40 in.) According to CAGI)		
A/C w/Standard Cabinet	66	68
<b>ENVELOPE DIMENSIONS &amp; WEIGHT</b>		
Length [in.]	23	24 3/8
Width [in.]	22 1/2	24 3/8
Height [in.]	26 5/8	31 1/2
Floor Space [sq. ft.]	3.6	4.1
Weight [lbs]	276	353
Estimated Shipping Weight [lb]	304	381
<b>ELECTRICAL DATA<sup>1</sup>:</b>		
NEMA Nominal Efficiency [%]	87.5%	91%
Package Full Load Amps @ 208V/1ph/60 Hz [FLA]	23	--
Package Full Load Amps @ 230V/1ph/60 Hz [FLA]	21	--
Package Full Load Amps @ 208V/3ph/60 Hz [FLA]	15.9	20.9
Package Full Load Amps @ 230V/3ph/60 Hz [FLA]	14.4	18.9
Package Full Load Amps @ 460V/3ph/60 Hz [FLA]	7.2	9.4
Package Full Load Amps @ 575V/3ph/60 Hz [FLA]	6.6	7.8
Drive Motor Full Load HP	5	7.5
Total Package Full Load HP	5	7.5
Drive Motor Insulation Class	F	F
Drive Motor Enclosure Type	TEFC	TEFC
Control Cabinet Class [NEMA]	12	12
Continuous Duty [Hours / Day]	24	24



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MODEL	SX 6	SX 7
<b>START-UP DATA:</b>		
Drive Motor Overload Set Point [A] @ 208V/1ph/60Hz	25.3	--
Drive Motor Overload Set Point [A] @ 230V/1ph/60Hz	23.1	--
Drive Motor Overload Set Point [A] @ 208V/3ph/60Hz	8.7	11.5
Drive Motor Overload Set Point [A] @ 230V/3ph/60Hz	7.9	10.5
Drive Motor Overload Set Point [A] @ 460V/3ph/60Hz	7.9	10.4
Drive Motor Overload Set Point [A] @ 575V/3ph/60Hz	7.3	8.6
Start Timer Set-Point [sec]	6	6
Idle Timer Set-Point [min]	3	3
<b>Recommended Disconnect Fuse Size [Amps] @ 208V/1ph/60Hz/YD *</b>		
Recommended Disconnect Fuse Size [Amps] @ 230V/1ph/60Hz/YD *	50	--
Recommended Disconnect Fuse Size [Amps] @ 208V/3ph/60Hz/YD *	45	--
Recommended Disconnect Fuse Size [Amps] @ 230V/3ph/60Hz/YD *	25	40
Recommended Disconnect Fuse Size [Amps] @ 460V/3ph/60Hz/YD *	25	35
Recommended Disconnect Fuse Size [Amps] @ 575V/3ph/60Hz/YD *	10	15
Recommended Disconnect Fuse Size [Amps] @ 575V/3ph/60Hz/YD *	10	15
<b>Recommended Disconnect Wire Size [AWG/kcmil] @ 208V/1ph/60Hz/YD **</b>		
Recommended Disconnect Wire Size [AWG/kcmil] @ 230V/1ph/60Hz/YD **	6	--
Recommended Disconnect Wire Size [AWG/kcmil] @ 208V/3ph/60Hz/YD **	6	--
Recommended Disconnect Wire Size [AWG/kcmil] @ 230V/3ph/60Hz/YD **	12	8
Recommended Disconnect Wire Size [AWG/kcmil] @ 460V/3ph/60Hz/YD **	12	8
Recommended Disconnect Wire Size [AWG/kcmil] @ 575V/3ph/60Hz/YD **	14	14
Recommended Disconnect Wire Size [AWG/kcmil] @ 575V/3ph/60Hz/YD **	14	14
<b>OIL SYSTEM DATA:</b>		
Oil System Capacity [gal.]	0.6	1.3
Typical Oil Consumption [fl. oz./100 h]	1.0	1.4
<b>MAINTENANCE PARTS:</b>		
Air Inlet Filter	6.0215.0	6.0215.0
Filter Mat	6.1892.0	6.1891.0
Fluid Filter	6.1901.1	6.1876.1
Fluid Separator Kit	6.2018.0	6.2024.0
Maintenance Kit for Optional 5-year Warranty	AN5YRKIT-SX	AN5YRKITSX7
Maintenance Kit for Optional 5-year Warranty, with food-grade lubricant	AN5YRKIT-SXF	AN5YRKITSX7FG

1. Electrical data may vary in accordance with motor manufacturer's specifications. Motors are EPACT compliant.

Main power supply and overcurrent protection must be installed by a qualified electrician in accordance with NEC, OSHA, and any applicable local codes.

\* Dual-element time-delay fuse; based on 2005 NEC 240.6, 430.52, and Tables 430.52, 430.148, and 430.150.

\*\* Based on 2005 NEC 110.14(C), 220.3, 310.15, Table 310.16, 430.6, 430.22, 430.24 and Tables 430.148 and 430.150.

Multi-strand copper core wire at 40° C ambient temperature, with 60° temperature rating, and an insulation rating of 90° C.