



INSTALLATION DATA SHEET



Doc. No.: TI.IDS-028
Version 1.2

SK 2005 SERIES

Date: 03-09-07

MODEL	SK 15	SK 20
COOLING DATA:		
Cooling System Available (Std.)	A / C	A / C
Standard Ambient Temp. Range [F]	40 - 115	40 - 115
Air inlet opening [sq. ft.]	3.2	3.8
Cooling Fan Capacity [cfm] (forced ventilation with exhaust fan)	2354	2943
Internal Cooling Fan Capacity [cfm] (exhaust air used for space heating)	1530	1648
Max. Additional Pressure Drop for Ducts [inch Water Column]	1/8	1/8
Approach Temp. [°F]	10.8	14.4
Typical Heat Rejected [BTU / HR]	43,260	53,233
Recommended Heating Duct (W x H) [in]	13 3/4 x 25 5/8	13 3/4 X 25 5/8
CONNECTIONS [in.]:		
Air Discharge [NPT]	1	1
Power Input Conduit Opening(s)	1 5/8	1 5/8
NOISE LEVEL DATA:		
(Measured in dB(A) at 1 m (approx. 40 in.) According to CAGI)		
A/C w/Standard Cabinet	65	66
ENVELOPE DIMENSIONS & WEIGHT		
Length [in.]	39 3/4	39 3/4
Width [in.]	29 1/8	29 1/8
Height [in.]	47 1/4	47 1/4
Floor Space [sq. ft.]	8.0	8.0
Weight [lbs]	710	710
Estimated Shipping Weight [lb]	763	763
ELECTRICAL DATA:		
NEMA Nominal Efficiency [%]	90.2%	91.0%
Package Full Load Amps @ 208V/3ph/60 Hz/YD [FLA]	42	53
Package Full Load Amps @ 230V/3ph/60 Hz/YD [FLA]	39	51
Package Full Load Amps @ 460V/3ph/60 Hz/YD [FLA]	19	25
Package Full Load Amps @ 575V/3ph/60 Hz/YD [FLA]	16	20
Drive Motor Full Load HP	15	20
Total Package Full Load HP	15	20
Drive Motor Insulation Class	F	F
Drive Motor Enclosure Type	TEFC	TEFC
Control Cabinet Class [NEMA]	12	12
Continuous Duty [Hours / Day]	24	24
START-UP DATA:		
Drive Motor Overload Set Point [A] @ 208V/3ph/60Hz/YD	27	36
Drive Motor Overload Set Point [A] @ 230V/3ph/60Hz/YD	25	32
Drive Motor Overload Set Point [A] @ 460V/3ph/60Hz/YD	12	16
Drive Motor Overload Set Point [A] @ 575V/3ph/60Hz/YD	10	13



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MODEL	SK 15	SK 20
Start Timer Set-Point [sec]	6	6
Idle Timer Set-Point [min]	4	4
Recommended Disconnect Fuse Size [Amps] @ 208V/3ph/60Hz/YD *	60	70
Recommended Disconnect Fuse Size [Amps] @ 230V/3ph/60Hz/YD *	50	70
Recommended Disconnect Fuse Size [Amps] @ 460V/3ph/60Hz/YD *	25	35
Recommended Disconnect Fuse Size [Amps] @ 575V/3ph/60Hz/YD *	20	30
Recommended Disconnect Wire Size [AWG/kcmil] @ 208V/3ph/60Hz/YD **	4	3
Recommended Disconnect Wire Size [AWG/kcmil] @ 230V/3ph/60Hz/YD **	4	3
Recommended Disconnect Wire Size [AWG/kcmil] @ 460V/3ph/60Hz/YD **	10	8
Recommended Disconnect Wire Size [AWG/kcmil] @ 575V/3ph/60Hz/YD **	12	8
OIL SYSTEM DATA:		
Oil System Capacity [gal.]	1.8	1.8
Typical Oil Consumption [fl. oz./100 h]	1.1	1.3
MAINTENANCE PARTS:		
Air Inlet Filter	6.4161.0	6.4161.0
Filter Mat	5.3348.0	5.3348.0
Filter Mat for Control Cabinet	6.3572.0	6.3572.0
Fluid Filter	6.3462.0	6.3462.0
Fluid Separator Kit	6.3792.0	6.3792.0
Maintenance Kit for Optional 5-year Warranty	AN5YRKTsk2	AN5YRKTsk2
Maintenance Kit for Optional 5-year Warranty, with food-grade lubricant	AN5YRKTsk2F	AN5YRKTsk2F

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.