



INSTALLATION DATA SHEET

Doc. No.: TI.IDS-029
Version 1.2

SK -T SERIES

Date: 03-09-07

MODEL	SK 15T	SK 20T
COOLING DATA:		
Cooling System Available (Std. / Opt.)	A / C	A / C
Standard Ambient Temp. Range [F]	40 - 115	40 - 115
Air inlet opening [sq. ft.]	4.3	4.8
Cooling Fan Capacity [cfm] (forced ventilation with exhaust fan)	2943	3532
Internal Cooling Fan Capacity [cfm] (exhaust air used for space heating) (A/C)	2001	2119
oil & air coolers motor dryer	1177 353 471	1295 353 471
Max. Additional Pressure Drop for Ducts [inch Water Column]	1/8	1/8
Typical Heat Rejected [BTU / HR]	44,541	54,837
Recommended Heating Duct (W x H) [in]	13 3/4 x 25 5/8 no duct for the dryer	13 3/4 x 25 5/8 no duct for the dryer
CONNECTIONS [in.]:		
Air Discharge [NPT]	1	1
Power Input Conduit Opening(s)	1 5/8	1 5/8
Condensate Drain	1/4	1/4
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.]	52 1/2	52 1/2
Width [in.]	29 1/8	29 1/8
Height [in.]	47 1/4	47 1/4
Floor Space [sq. ft.]	10.6	10.6
Weight [lbs]	840	840
Estimated Shipping Weight [lb]	897	897
ELECTRICAL DATA:		
NEMA Nominal Efficiency [%]	90.2%	91.0%
DRYER:	TEAO (Totally Enclosed Air Over)	TEAO (Totally Enclosed Air Over)
Fan Motor Enclosure Type	(IP 44)	(IP 44)
Input kW for Complete Dryer	0.50	0.50
Full Load Amps [FLA] @208V/3ph/60 Hz	4.9	4.9
Full Load Amps [FLA] @230V/3ph/60 Hz	4.4	4.4
Full Load Amps [FLA] @460V/3ph/60 Hz	2.2	2.2
Full Load Amps [FLA] @575V/3ph/60 Hz	1.8	1.8
Package Full Load Amps @ 208V/3ph/60 Hz/YD [FLA]	47	57
Package Full Load Amps @ 230V/3ph/60 Hz/YD [FLA]	43	55
Package Full Load Amps @ 460V/3ph/60 Hz/YD [FLA]	22	27
Package Full Load Amps @ 575V/3ph/60 Hz/YD [FLA]	17	22
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 15T	SK 20T
Start Timer Set-Point [sec]	6	6
Idle Timer Set-Point [min]	4	4
Recommended Disconnect Fuse Size [Amps] @ 208V/3ph/60Hz/YD *	70	80
Recommended Disconnect Fuse Size [Amps] @ 230V/3ph/60Hz/YD *	60	80
Recommended Disconnect Fuse Size [Amps] @ 460V/3ph/60Hz/YD *	30	40
Recommended Disconnect Fuse Size [Amps] @ 575V/3ph/60Hz/YD *	25	30
Recommended Disconnect Wire Size [AWG/kcmil] @ 208V/3ph/60Hz/YD **	3	2
Recommended Disconnect Wire Size [AWG/kcmil] @ 230V/3ph/60Hz/YD **	4	3
Recommended Disconnect Wire Size [AWG/kcmil] @ 460V/3ph/60Hz/YD **	8	6
Recommended Disconnect Wire Size [AWG/kcmil] @ 575V/3ph/60Hz/YD **	10	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.