



INSTALLATION DATA SHEET



Doc. No.: TI.IDS-032
Version: 1.2

SM 2006 SERIES

Date: 03-09-07

MODEL	SM 7.5	SM 10	SM 15
COOLING DATA:			
Cooling System Available (Std. / Opt.)	A / C	A / C	A / C
Standard Ambient Temp. Range [F]	40 - 115	40 - 115	40 - 115
Air inlet opening [sq. ft.]	2.2	2.7	3.2
Cooling Fan Capacity [cfm] (forced ventilation with exhaust fan)	1530	1825	2178
Internal Cooling Fan Capacity [cfm] (exhaust air used for space heating)	1295	1295	1295
Max. Additional Pressure Drop for Ducts [inch Water Column]	1/8	1/8	1/16
Approach Temp. [°F]	10.8	12.6	18
Typical Heat Rejected [BTU / HR]	22,431	31,403	41,017
Recommended Heating Duct (W x H) [in]	9 7/8 x 24 3/4	9 7/8 x 24 3/4	9 7/8 x 24 3/4
CONNECTIONS [in.]:			
Air Discharge [NPT]	3/4	3/4	3/4
Power Input Conduit Opening(s)	1 5/8	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	66	66	67
ENVELOPE DIMENSIONS & WEIGHT			
Length [in.]	24 3/4	24 3/4	24 3/4
Width [in.]	30	30	30
Height [in.]	43 3/8	43 3/8	43 3/8
Floor Space [sq. ft.]	5.2	5.2	5.2
Weight [lbs]	441	463	485
Estimated Shipping Weight (lb)	487	509	531
ELECTRICAL DATA:			
NEMA Nominal Efficiency [%]	89.5%	89.5%	90.2%
Package Full Load Amps @ 208V/3ph/60 Hz/YD [FLA]	22	30	41
Package Full Load Amps @ 230V/3ph/60 Hz/YD [FLA]	20	28	39
Package Full Load Amps @ 460V/3ph/60 Hz/YD [FLA]	10	14	20
Package Full Load Amps @ 575V/3ph/60 Hz/YD [FLA]	8	12	15
Drive Motor Full Load HP	7.5	10	15
Total Package Full Load HP	7.5	10	15
Drive Motor Insulation Class	F	F	F
Drive Motor Enclosure Type	TEFC	TEFC	TEFC
Control Cabinet Class [NEMA]	12	12	12
Continuous Duty [Hours / Day]	24	24	24
START-UP DATA:			
Drive Motor Overload Set Point [A] @ 208V/3ph/60Hz/YD	14	19	27
Drive Motor Overload Set Point [A] @ 230V/3ph/60Hz/YD	13	18	25
Drive Motor Overload Set Point [A] @ 460V/3ph/60Hz/YD	6	9	13
Drive Motor Overload Set Point [A] @ 575V/3ph/60Hz/YD	5	7	10
Start Timer Set-Point [sec]	6	6	6
Idle Timer Set-Point [min]	4	4	4
Recommended Disconnect Fuse Size [Amps] @ 208V/3ph/60Hz/YD *	30	45	60
Recommended Disconnect Fuse Size [Amps] @ 230V/3ph/60Hz/YD *	30	40	50
Recommended Disconnect Fuse Size [Amps] @ 460V/3ph/60Hz/YD *	15	20	30
Recommended Disconnect Fuse Size [Amps] @ 575V/3ph/60Hz/YD *	10	15	20
Recommended Disconnect Wire Size [AWG/kcmil] @ 208V/3ph/60Hz/YD **	8	6	4
Recommended Disconnect Wire Size [AWG/kcmil] @ 230V/3ph/60Hz/YD **	8	6	4
Recommended Disconnect Wire Size [AWG/kcmil] @ 460V/3ph/60Hz/YD **	14	12	8
Recommended Disconnect Wire Size [AWG/kcmil] @ 575V/3ph/60Hz/YD **	14	14	12



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OIL SYSTEM DATA:			
Oil System Capacity [gal.]	1.3	1.3	1.3
Typical Oil Consumption [fl. oz./100 h]	1.7	2.4	3.0
MAINTENANCE PARTS:			
Air Inlet Filter	6.4212.0	6.4212.0	6.4212.0
Filter Mat	5.3353.0	5.3353.0	5.3353.0
Filter Mat for Control Cabinet	6.3572.0	6.3572.0	6.3572.0
Fluid Filter	6.3462.0	6.3462.0	6.3462.0
Fluid Separator Kit	6.3795.0	6.3795.0	6.3795.0
Maintenance Kit for Optional 5-year Warranty	AN5YRKTSM2	AN5YRKTSM2	AN5YRKTSM2
Maintenance Kit for Optional 5-year Warranty, with food-grade lubricant	AN5YRKTSM2F	AN5YRKTSM2F	AN5YRKTSM2F

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, 430.248, and 430.250.
- ** Based on 2005 NEC 110.14(C), 220.3, 310.15, Table 310.16, 430.6, 430.22, 430.24 and Tables 430.248 and 430.250.
Multi-strand copper core wire at 40° C ambient temperature, with 60° temperature rating, and an insulation rating of 90° C.