

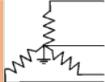


Installation Data Sheet
 Series: 1:1 Belt Drive SK.2
 Document No.: TI-DATA-2010-SK 15 20
 Version: 2.4
 Revision Date: 04/17/2023

Model	SK 15			SK 20		
	125	160	217	125	160	217
I. COOLING DATA						
Cooling System Available [Std., Opt.]	A/C			A/C		
Standard Ambient Temp. Range [°F]	40 - 115			40 - 115		
VENTILATION OF COMPRESSOR ROOM						
Air Inlet Opening [sq. ft. free area] (A/C) Z	3.8			4.3		
Solution A (forced ventilation with exhaust fan) as shown in service manual						
Cooling Fan Capacity [CFM] (A/C)	2,649			3,237		
Solution B (exhaust air used for space heating) as shown in service manual						
Internal Cooling Fan Capacity [CFM] (A/C)	1,530			1,825		
Max. Additional Pressure Drop for Ducts [inch Water Column] (A/C)	0.12			0.12		
Exhaust Air Opening Reference Dimensions (L x W) [in]	31 x 31			31 x 31		
<p align="center"> Model shown for reference only Actual Duct size may vary with installation </p> <div style="display: flex; align-items: center;"> <div style="width: 30%; border-right: 1px solid black; padding-right: 5px;"> <p style="border-bottom: 1px solid green; margin-bottom: 5px;">Solution A Exhaust Fan</p> <p style="border-bottom: 1px solid red; margin-bottom: 5px;">Solution B Exhaust Duct</p> <p style="border-bottom: 1px solid blue; margin-bottom: 5px;">Ventilation of Compressor Room Z</p> </div> <div style="width: 65%; text-align: center;"> </div> </div> <p style="font-size: small; margin-top: 5px;">See drawing for actual dimensions. The actual individual duct dimension will vary for every installation based on actual length, number and type of bends, accessories etc.</p>						
AIR COOLED DATA						
Internal Cooling Fan Capacity [CFM]	1,530			1,825		
Approach Temp. [°F]	10.8			14.4		
Typical Heat Rejected [BTU / HR]	47,500			60,000		
II. ELECTRICAL DATA <i>Electrical data may vary in accordance with motor manufacturer's specifications. Motors are EISA compliant.</i>						
DRIVE MOTOR						
Motor HP	15			20		
Insulation Class	F			F		
Standard Voltage	208/230/460V/3ph/60Hz			208/230/460V/3ph/60Hz		
Full Load Amps [FLA] @ 208V/3ph/60Hz	37.5			51		
Full Load Amps [FLA] @ 230V/3ph/60Hz	36.5			49		
Full Load Amps [FLA] @ 460V/3ph/60Hz	18.2			24.5		
Full Load Amps [FLA] @ 575V/3ph/60Hz	15			20		



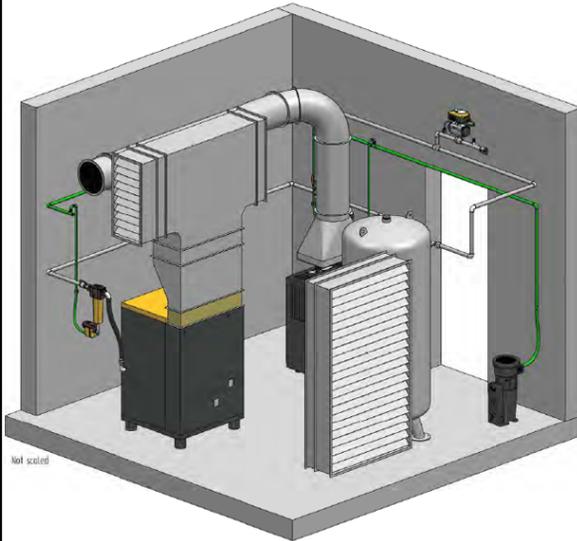
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TOTAL PACKAGE DATA (A/C)							
Do NOT operate package on any unsymmetrical power supply. Also do NOT operate package on power supplies like, for example, a three-phase (open) delta or three-phase star with non-grounded neutral. The machine requires a symmetrical three-phase power supply transformer with a WYE configuration output as shown on the right. In a symmetrical three-phase supply the phase angles and voltages are all the same. Other power supplies are not suitable.			three-phase star (wye); 4-wire; grounded neutral			three-phase star (wye); 3-wire; grounded neutral	
Continuous Duty [Hours per day]	24			24			
Control Cabinet Class (NEMA)	12			12			
Short Circuit Current Rating (SCCR) [kA] @ 460V/3ph/60Hz	50			50			
Short Circuit Current Rating (SCCR) [kA] @ 575V/3ph/60Hz	50			50			
Package Full Load Amps @ 208V/3ph/60Hz [FLA]	44			56			
Package Full Load Amps @ 230V/3ph/60Hz [FLA]	42			53			
Package Full Load Amps @ 460V/3ph/60Hz [FLA]	21			27			
Package Full Load Amps @ 575V/3ph/60Hz [FLA]	17			21			
Recommended Disconnect Fuse Size [Amps] @ 208V/3ph/60Hz	60			80			
Recommended Disconnect Fuse Size [Amps] @ 230V/3ph/60Hz	60			70			
Recommended Disconnect Fuse Size [Amps] @ 460V/3ph/60Hz	30			40			
Recommended Disconnect Fuse Size [Amps] @ 575V/3ph/60Hz	25			30			
Recommended Disconnect Wire Size [AWG/kcmil] @ 208V/3ph/60Hz	6 AWG per phase and ground			4 AWG per phase and ground			
Recommended Disconnect Wire Size [AWG/kcmil] @ 230V/3ph/60Hz	6 AWG per phase and ground			4 AWG per phase and ground			
Recommended Disconnect Wire Size [AWG/kcmil] @ 460V/3ph/60Hz	10 AWG per phase and ground			8 AWG per phase and ground			
Recommended Disconnect Wire Size [AWG/kcmil] @ 575V/3ph/60Hz	10 AWG per phase and ground			10 AWG per phase and ground			
INSTALLATION and MAINTENANCE DATA							
A/C with Super Soundproofing [dB(A)]	SOUND PRESSURE LEVEL [Measured in dB(A) according to ISO 2151 using ISO 9614-2]			67		68	
A/C Air Discharge [inches NPT or Flange]	1 NPT			1 NPT			
Power Input Conduit Opening(s) [inches]	1 5/8			1 5/8			
Condensate Drain Connection [NPT]	N/A			N/A			
Width [inches]	29 1/2			29 1/2			
Depth [inches]	35 1/4			35 1/4			
Height [inches]	49 1/2			49 1/2			
Floor Space [sq. ft.]	7 2/9			7 2/9			
Weight (A/C) [lb]	Weight may vary based on airend selected.			688		705	
COMPRESSOR FLUID DATA							
Fluid Capacity (A/C) [gal]	1.8			1.8			
Flow Rate [gal/min]	3.2			3.2			
Typical Oil Consumption [fl. Oz./100 h]	1.8			2.2			
Standard Fluid Type	Sigma S-460			Sigma S-460			
MAINTENANCE PARTS							
Air Inlet Filter	6.4432.0			6.4432.0			
Filter Mat (optional)	5.5850.0			5.5850.0			
Filter Mat for Control Cabinet	6.3572.0 (x2)			6.3572.0 (x2)			
Fluid Filter	6.3462.1			6.3462.1			
Fluid Separator Kit	6.3792.2			6.3792.2			
Maintenance Kit for Optional 5-year warranty	AN5YRKTSK3			AN5YRKTSK3			
Maintenance Kit for Optional 5-year warranty, with food-grade lubricant	AN5YRKTSK3F			AN5YRKTSK3F			

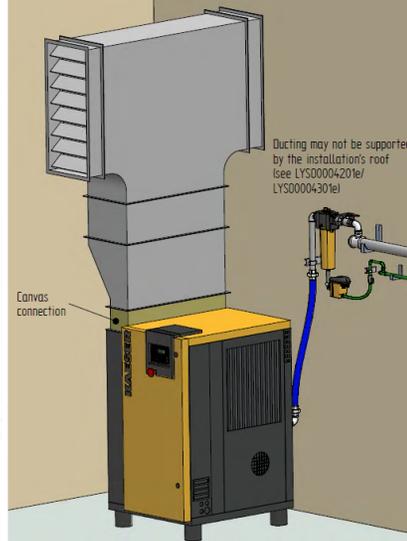
Model	SK 15			SK 20		
Rated Pressure [psig]	125	160	217	125	160	217

SAMPLE SKETCHES

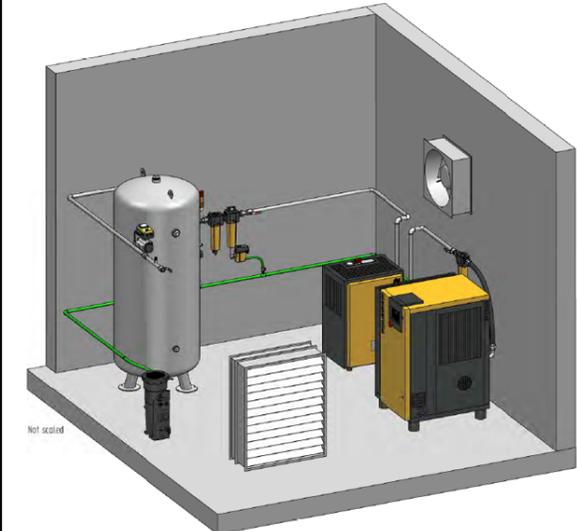
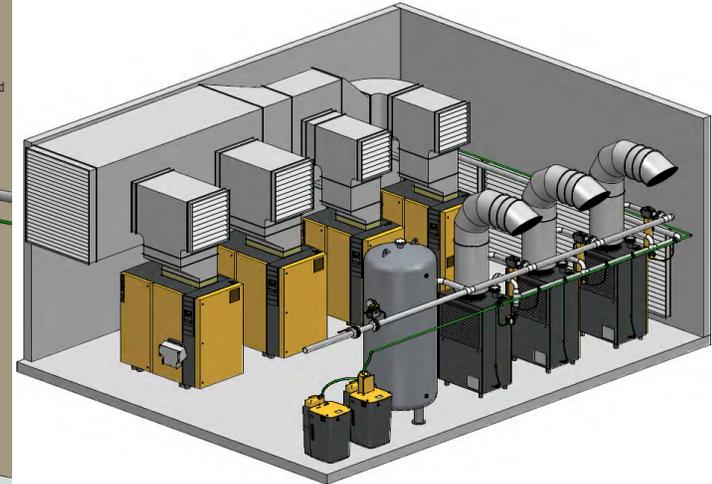
Sample Installation Planning
Examples of room ventilation and ductwork
 Please note the upsizing required for compressor exhaust ducts



SK 20 / TB 26 / F26KE / F26KA Sample Layout



Duct / Pipe connection SK



SK 20 / TB 26 / F26KE / F26KA Sample Layout

Example designs only, not for construction purposes.