Installation Data Sheet - Screw Blower Series: EBS.2 Document Number: TI.BIDS-018 Version: 1.3 Revision Date: 04/24/2023							
Package Model EBS 410 STC (L & M)							
Electrical Data	T		r				
Horsepower	60	75	100				
Voltage (3ph/60Hz)	460V	460V	460V				
Short Circuit Current Rating (SCCR) [kA] 460V/3ph/60Hz	50	50	50				
Package FLA +/- 10%	81.9	97.9	130.9				
Disconnect Fuse [Amp]	100	125	160				
Recommended Wire Size (75°C or higher) [AWG]	1 x 4 x 2	1 x 4 x 1 / 0	1 x 4 x 3 / 0				
Insulation Class	F	F	F				
Enclosure Type	TEFC	TEFC	TEFC				
Type Notes:	ASM (IE4)	ASM (IE4)	ASM (IE4)				
 Puse and wire sizes determined in accordance to NEC 240 Breaker should be suitable for a heavy duty starting load a outlines in NEC 430.52. Ground wire size should be equal to conductor size. 	•						
Oil System Data							
Drive End Capacity [qt.]	1.2						
Gear End Capacity [qt.]	1.5						
Oil Type (Synthetic)	G-680						
Working Pressure							
EBS 410 L STC pr	Continued working pressures below 2.2 psig are not permitted						
EBS 410 M STC pr	BS 410 M STC pr Continued working pressures below 4.4 psig are not permitted						
Package Connections							
HP	60	75	100				
Width [in.]	57 1/2	57 1/2	57 1/2				
Depth [in.]	75 1/8	75 1/8	75 1/8				
Height [in.]	77 1/2	77 1/2	77 1/2				
Floor [sq.ft.]	30	30	30				
Weight [lb.]	3172	3353	3527				
Connection Size [in.]	6	6	6				
Type [inlet (optional) and outlet]	Pipe	Pipe	Pipe				

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Package Model			EBS 410 STC (L & M)				
General Information							
Floating Relay Cont	acts		Ambient	and Intake Conditions	3		
Contacts:			Permissible ambient temperature [°F]*			+32 - 113	
- X12: 1 and 2	Operation		Permissible intake temperature [°F]*			+5 - 113	
- X12: 3 and 4	Ready for opera	tion	Relative h	umidity [%]		0 - 80	
- X12: 5 and 6	Group Alarm		Maximum	elevation [ft.asl]*		3280	
- X12: 7 and 8	Group Warni	ng		*contact Kaeser about dev temperature or altitude	iations in		
Remote On/Off			External	Alarm			
Contacts (not floating): po	owered 24 VDC		•	not floating): powered 24	VDC		
-X15: 5 and 6			DI:	1.08			
Function:			Function:				
- from open to closed: Ma	achine switches on			nine will switch off in the			
- from closed to open: Ma	achine switches off		event of this external fault				
entilation of Blower Room							
ir Inlet Opening				3.2 sq. ft			
ooling Fan Capacity (forced ventilation	poling Fan Capacity (forced ventilation)		715 CFM				
lax Heat Rejection				19,100 BTU/Hr			
ctual duct size may vary with installation	2 0		Recomme	ended machine placeme	nt and dime	nsions:	
					Inches		
Exhaust Fan			А	Left side clearance =	See table		
Ventilation Inlet Air Opening			В	Front clearance =	43.3		
Cross direction			С	Right side clearance =	See table		
Y Longitudinal direction			D	Back clearance =	39.3		
	- North Contraction (1997)	**	Е	Height clearance =	31.5		
undation in the cross direction (X) must be level, inclina	tion max. 0.8°						
Foundation in the longitudinal direction (Y) must be level, inclination max. 2.0°			Recor	mmended Installation	Α	с	
*The foundation must be firm, level and capable of bearing the weight of the machine.			Besid	de another machine	5.9	5.9	
				Beside a wall	11.8	11.8	
	, 	is where the heat col current of cooling air exhaust ports and, if short circuit must be cooling air inlet.)	llects. The ro flowing thro possible, sh avoided, i.e be positione insulated ag	exhaust air from the upper th com ventilation openings shoi ugh the room passes over th hould leave no stagnant air in . discharged cooling air must ed so near to a wall that the ir ainst heat emission. the middle of a large hall its e	uld be arrange e blower inlet the room. (A t not find its wa nflow of coolin	ed that the and thermal ty to the g air is	