



Installation Data Sheet

Series: Mobilair
 Document No.: TI-IDS.MOBEP-100
 Version: 1.0 dated 2023-02-15
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Model	M250E			M255E					
Rated Pressure [psig]	125	175	200	125	150	200			
General Compressor Data									
Capacity CFM [FAD]	885	705	565	990	870	690			
Max Operating Pressure [psig]	125	175	200	125	150	200			
Min Operating Pressure [psig]	87	126	176	87	126	151			
Airend Model	36.1	33.1	32.1	37.1	36.1	33.1			
Controller Type	Sigma Control Smart			Sigma Control Smart					
Control mode standard	Modulation			Modulation					
I. COOLING DATA									
Standard Ambient Temp. Range [°F]	14 - 104			14 - 104					
Cooling Fan Capacity [CFM] (A/C)	882,870			882,870					
Fan Motor [hp]	5.5			5.5					
II. ELECTRICAL DATA <i>Electrical data may vary in accordance with motor manufacturer's specifications. Motors are EISA compliant.</i>									
Motor hp	200			250					
Standard Voltage	460V/3ph/60Hz			460V/3ph/60Hz					
Package Full Load Amps @ 460V/3ph/60Hz [FLA]	220			267					
Recommended Disconnect Fuse Size [Amps] @ 460V/3ph/60Hz	*Time delay (dual element) fuse; Class J ≤ 600A (e.g. AJT) Based on 2020 NEC 240.6, 430.52, and Tables 430.52, 430.248, and 430.250			350					
Recommended Disconnect Wire Size [AWG/kcmil] @ 460V/3ph/60Hz	The following multi-strand copper core wires are given according to 2020 NEC 310.14, 310.15, 310.16 and table 310.16 adjusted for 40°C ambient temperature. If other local conditions prevail, for example high temperature, the cross section should be checked and adjusted according to 2020 NEC 110.14(C), 220.3, 310.14, 310.15, 310.16, 430.6, 430.22, 430.24, 670.4(A) and other local codes.			2 x 3/0 AWG per phase and ground 8 x CAM-LOK connectors		2 x 4/0 AWG per phase and ground 8 x CAM-LOK connectors			
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]			76		76			
A/C Air Discharge [inches NPT or Flange]				3" Flange ASME B16.5 class 300					
Condensate Drain Connection [NPT]				1/2"		1/2"			
Width [inches]				139.4		139.4			
Depth [inches]				47.2		47.2			
Height [inches]				67.3		67.3			
Floor Space [sq. ft.]				45 5/7		45 5/7			
Weight (A/C) [lb]	Weight may vary based on airend selected.			7,485	6,867	6,889	8,047	8,102	7,485
COMPRESSOR FLUID DATA									
Fluid Capacity (A/C) [gal]				17.25		17.25			
Flow Rate [gal/min]				35.7		60.8			
Typical Oil Consumption [fl. Oz./100 h]				17.9		26			
Standard Fluid Type				S-460		S-460			
MAINTENANCE PARTS									
Air Inlet Filter				6.2182.0					
Fluid Filter				6.4693.0					
Fluid Separator Kit				6.5224E0					