



## Mobilair Data Sheet

Series: Mobilair

Document Number: TI.IDS.MOB-101

Version: 4.8

Revision Date: 05/19/2023

Model	M17	M17 (HP)	M27 (27PE)				M30 (30PE)
Rated Pressure [psig]	100	217	100	145	175	200	100
<b>GENERAL COMPRESSOR DATA</b>							
Capacity CFM [FAD]	60	35	92	74	67	57	100
Max Operating Pressure [psig]	100	217	100				100
Min Operating Pressure [psig]	80		80				80
Air Filter Micron Rating	1		1				1
Fluid Filter Micron Rating	10		10				10
Fluid Carry Over [ppm]	1-3		1-3				1-3
Controller Type	Mechanical		Mechanical				Mechanical
Type of Drive	V-belts Qty per set - 1 Powerband		V-belt		Gear Driven		Gear Driven
<b>ENGINE DATA</b>							
Engine Make	Honda		Kubota			Kubota	
Model	GX 630		D 1105			D-1105	
Number of Cylinders	2		3			3	
Type of Fuel	Gasoline		Diesel			Diesel	
Engine Nominal Power (HP)	20.8		24.8			24.4	
Engine Off Load Speed	2400	2000	2100			2150	
Engine Nominal Speed (rpm)	3,300	2,300	2,850			2,875	
Power Consumption, Airend and Fan [BHP]	17.4	16.1	20.8			20.8	
Displacement [cu.in.]	24.17		68.5			68.5	
Bore [in.]	3.03		3.07			3.07	
Stroke [in.]	2.59		3.09			3.09	
Fuel Tank Capacity [gal]	5.3		10.6			10.6	
Engine Oil Capacity with Filter [gal]	0.4		1.1			1.1	
Fuel Consumption under full load [gal/h]	1.5		1.4			1.5	
Fuel Consumption off load [gal/h]	<i>Oil consumption approx. 1/100th of the consumed fuel volume</i>		0.66			0.66	
Operating Hours Per Fuel Tank [h]	3.3		7.6			7.6	
Oil Pressure Switch with Shutdown Function	Yes		Yes			Yes	
Starter	E-Start		E-Start			E-Start	
Engine Cooling	Air		Liquid			Air	
Battery Specifications	Amp/hr	Cold Test Current	Amp/hr	Cold Test Current	Amp/hr	Cold Test Current	
	18	N/A	60	480	60	520	



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Model	M17	M17 (HP)	M27 (27PE)				M30 (30PE)
Rated Pressure [psig]	100	217	100	145	175	200	100
<b>AIREND DATA</b>							
Airend Model	Sigma 026		Sigma 11G			Sigma 11G	
<b>COMPRESSOR OIL SYSTEM DATA</b>							
Oil System Capacity [gal.]	1.03		1.32			1.32	
<b>COOLING DATA</b>							
Cooling System Available	Air	Engine	Compressor	Engine	Compressor	Engine	Compressor
		Liquid	Air	Liquid	Air	Liquid	Air
Standard Max. Ambient Temp. Range [F]	104		113			113	
<b>PIPING CONNECTIONS [IN.]</b>							
Air Discharge Connection (coupling)	(1) 1/2"		(2) 3/4"			(2) 3/4"	
<b>NOISE LEVEL DATA</b>							
Measured in dB(A) at 7 m According to EPA	82		76			76	
<b>ENVELOPE DIMENSIONS</b>							
Skid	-		80 x 39 3/16 x 42 5/16			67.5 x 19.4 x 37.7	
Chassis (Trailer)	42 1/2 x 31 1/2 x 31		119 x 49 1/2 x 51 1/4			125 x 49.6 x 50	
<b>WEIGHT</b>							
Operational Weight	450		1267			1276	
<b>OTHER DATA</b>							
Oil Separation	2-Gallon Separator Tank		2.6-Gallon Separator Tank			2.6-Gallon Separator Tank	
Tires	260-85 (3.00-4)		145/80 R13			145/80 R13	
Brakes	-		No			No	
Airend Discharge Temperature	No		Yes			Yes	
Discharge Pressure Gauge	Yes		Yes			Yes	
Service Hour Meter	Yes		Yes			Yes	
Lifting Hook	Yes		Yes			Yes	
Malfunction Indicator	No		Yes			Yes	
DOT Approved Lights and Reflectors	N/A		Yes			Yes	
Tool Box	N/A		Yes			Yes	



### Mobilair Data Sheet

Series: Mobilair

Document Number: TI.IDS.MOB-102

Version: 1.3

Revision Date: 11/04/2021

Model	M55PE	M55PE (HP)	M58U	M58U (HP)	M59PE	M82				
Rated Pressure [psig]	100-125	100-145	100	145	150	200	100 <sup>1</sup>	145 <sup>2</sup>	175 <sup>3</sup>	205 <sup>4</sup>
<b>GENERAL COMPRESSOR DATA</b>										
Capacity CFM [FAD]	185-155	165-140	210	175	195	165	295	240	215	194
Max Operating Pressure [psig]	125	150	100	145	150	200	100	145	175	205
Min Operating Pressure [psig]	87		87		87		87			
Air Filter Micron Rating	1		1		1		1			
Fluid Filter Micron Rating	10		10		10		10			
Fluid Carry Over [ppm]	1-3		1-3		1-3		1-3			
Variable Pressure	Yes		No		No		Yes			
Controller Type	Sigma Control Smart		Sigma Control Smart		Sigma Control Smart		Sigma Control Smart			
Type of Drive	Gear Driven		Direct Coupled		Gear Driven		Gear Driven			
<b>ENGINE DATA</b>										
Engine Make	Kubota		Kubota		Hatz		Kubota			
Model	D1803CR-T		V2403-M-CR		3H50TIC		V3307-CR-T			
Number of Cylinders	3		4				4			
Type of Fuel	Diesel		Diesel		Diesel		Diesel			
Engine Nominal Power (HP)	49		49		58		73			
Engine Idle Speed (rpm)	2,300		1800		2,200		1,900			
Engine Nominal Speed (rpm)	2,700		2,600		2,700		2,400			
Power Consumption, Airend and Fan [BHP]	42.9		42.9		48.3		68			
Displacement [cu.in.]	111.43		148.5		89.33		203.27			
Bore [in.]	3.43		3.43		3.31		3.7			
Stroke [in.]	4.03		4.03		3.46		4.72			
Fuel Tank Capacity [gal]	21		28		21		37			
Oil Capacity with Filter [gal]	1.8		2.38		2.8		2.96			
Fuel Consumption under full load [gal/h]	2.6		2.7		2.7		3.6			
Fuel Consumption off load [gal/h]	1.3		1.4		1.9		1.8			
Operating Hours Per Fuel Tank [h]	7.8		10.5		7.8		9			
Oil Pressure Switch with Shutdown Function	Yes		Yes		Yes		Yes			
Starter	E-Start		E-Start		E-Start		E-Start			
Engine Cooling	Liquid		Liquid		Liquid		Liquid			
Battery Specifications	Amp/hr	Cold Test Current	Amp/hr	Cold Test Current	Amp/hr	Cold Test Current	Amp/hr	Cold Test Current		
	80	680	100	500	80	680	(2) 80	640		

Units with superscripts denote Mobilair models that have multiple high pressure versions. Unit must be ordered according to maximum pressure requirement. Maximum pressure setting can not be increased retroactively



### Mobilair Data Sheet

Series: Mobilair  
 Document Number: TI.IDS.MOB-102  
 Version: 1.3  
 Revision Date: 11/04/2021

Model	M55PE	M55PE (HP)	M58U	M58U (HP)	M59PE		M82			
Rated Pressure [psig]	100-125	100-145	100	145	150	200	100'	145 <sup>2</sup>	175 <sup>3</sup>	205 <sup>4</sup>
<b>AIREND DATA</b>										
Airend Model	Sigma 17G		Sigma 265	Sigma 260	Sigma 17G		Sigma 27G			
<b>COMPRESSOR OIL SYSTEM DATA</b>										
Oil System Capacity [gal.]	2.25		3.96		2.25		5.8			
<b>COOLING DATA</b>										
Cooling System Available	Engine	Compressor	Engine	Compressor	Engine	Compressor	Engine	Compressor	Engine	Compressor
	Liquid	Air	Liquid	Air	Liquid	Air	Liquid	Air	Liquid	Air
Standard Max. Ambient Temp. Range [°F]	113		122		113		122			
<b>PIPING CONNECTIONS [IN.]</b>										
Air Discharge Connection (coupling)	(2) 3/4" (1) 1"		(2) 3/4" (1) 1"		(2) 3/4" (1) 1"		(3) 3/4" (1) 1 1/2"			
<b>NOISE LEVEL DATA</b>										
Measured in dB(A) at 7 m According to EPA	76		76		76		76			
<b>ENVELOPE DIMENSIONS</b>										
Skid (L x W x H)	84 15/16 x 55 1/2 x 46 11/16		-		-		-			
Utility (L x W x H)	-		84 5/8 x 33 3/8 x 55		113 x 61 x 57 3/4		-			
Chassis (Trailer) (L x W x H)	112 13/16 x 60 13/16 x 57 3/4		-		85 5/16 x 55 7/16 x 47 7/16		158 1/2 x 70 5/16 x 60			
<b>WEIGHT</b>										
Operational Weight	1929		2043		1794		3437			
<b>OTHER DATA</b>										
Oil Separation	3-Gallon Separator Tank		8-Gallon Separator Tank		3-Gallon Separator Tank		10-Gallon Separator Tank			
Tires	205/75 D15		-		205/75 D15		185 R14C			
Brakes	-		-		-		Yes			
Airend Discharge Temperature	Yes		Yes		Yes		Yes			
Discharge Pressure Gauge	Yes		Yes		Yes		Yes			
Service Hour Meter	Yes		Yes		Yes		Yes			
Lifting Hook	Yes		Yes		Yes		Yes			
Malfunction Indicator	Yes		Yes		Yes		Yes			
DOT Approved Lights and Reflectors	Yes		No		Yes		Yes			
Tool Box	Yes		No		Yes		Yes			

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## Mobilair Data Sheet

Series: Mobilair  
 Document Number: TI.IDS.MOB-103  
 Version: 5.1  
 Revision Date: 11/04/2021

Model	M118		M125			M171				M255	
Rated Pressure [psig]	100	145	100	145	205	125	145	175	205	125-150	126-203
<b>GENERAL COMPRESSOR DATA</b>											
Capacity CFM [FAD]	405	360	405	405	342	600	550	475	405	936-848	900-696
Max Operating Pressure [psig]	145		205			205				203	
Min Operating Pressure [psig]	87		80			80				88	
Air Filter Micron Rating	1		1			1				1	
Fluid Filter Micron Rating	10		10			10				10	
Fluid Carry Over [ppm]	1-3		1-3			1-3				1-3	
Variable Pressure	Yes		Yes			Yes				Yes	
Controller Type	Sigma Control Mobil		Sigma Control Mobil			Sigma Control Mobil				Sigma Control Mobil 2	
Type of Drive	Gear Driven		Gear Driven			Gear Driven				Gear Driven	
<b>ENGINE DATA</b>											
Engine Make	Deutz		Deutz			Deutz				Cummins	
Model	TCD 3.6 L4		TCD 4.1 L04			TCD 6.1 L06				B6.7	
Number of Cylinders	4		4			6				6	
Type of Fuel	Diesel		Diesel			Diesel				Diesel	
Engine Nominal Power (HP)	114		140			173				280	
Engine Idle Speed (rpm)	1500		1500			1300				1200	
Engine Full Load Speed (rpm)	2,200		2,200			1,800				1,900	
Power Consumption, Airend and Fan [BHP]	107.3		121			145				259	
Displacement [cu.in.]	3.6		246.55			370				408.2	
Bore [in.]	3.9		4.03			3.98				4.21	
Stroke [in.]	4.7		4.83			4.96				4.88	
Fuel Tank Capacity [gal]	45		45			52.8				92.5	
Oil Capacity with Filter [gal]	2.4		3.2			3.4				3.7	
Fuel Consumption under full load [gal/h]	5.4		6.2			8.6				12.2	
Fuel Consumption off load [gal/h]	<i>Oil consumption approx. 1/100th of the consumed fuel volume</i>		2.5			3.3				4.76	
Operating Hours Per Fuel Tank [h]	8.3		7.25			6.1				7.5	
Oil Pressure Switch with Shutdown Function	Yes		Yes			Yes				Yes	
Starter	E-Start		E-Start			E-Start				E-Start	
Engine Cooling	Liquid		Liquid			Liquid				Liquid	
Battery Specifications	Amp/hr	Cold Test Current	Amp/hr	Cold Test Current	Amp/hr	Cold Test Current	Amp/hr	Cold Test Current	Amp/hr	Cold Test Current	
	(2) 100	850	(2) 100	850	(2) 135	1000	(2) 50	815			



### Mobilair Data Sheet

Series: Mobilair

Document Number: TI.IDS.MOB-103

Version: 5.1

Revision Date: 11/04/2021

Model	M118		M125			M171				M255	
Rated Pressure [psig]	100	145	100	145	205	125	145	175	205	125-150	126-203
<b>AIREND DATA</b>											
Airend Model	Sigma 29G		Sigma 29G			Sigma 293-G				Sigma 297G	
<b>COMPRESSOR OIL SYSTEM DATA</b>											
Oil System Capacity [gal.]	8.5		8.5			13.2				10.6	
<b>COOLING DATA</b>											
Cooling System Available	Engine	Compressor	Engine	Compressor		Engine	Compressor		Engine	Compressor	
	Liquid	Air	Liquid	Air		Liquid	Air		Liquid	Air	
Standard Max. Ambient Temp. Range [F]	113		113			113				113	
<b>PIPING CONNECTIONS [IN.]</b>											
Air Discharge Connection (coupling)	(3) 3/4", (1) 1 1/2"		(3) 3/4" (1) 1 1/2			(3) 3/4" (1) 2"				(3) 3/4", (1) 2"	
<b>NOISE LEVEL DATA</b>											
Measured in dB(A) at 7 m According to EPA	76		76			76				76	
<b>ENVELOPE DIMENSIONS</b>											
Skid	129 x 64 x 67		-			-				--	
Chassis (Trailer)	188 x 74 x 69		188 x 74 x 68			201 x 82 1/2 x 71				240-14/16 x 71-3/16 x 80-3/16	
<b>WEIGHT</b>											
Operational Weight [lbs]	4534		4580			6278				7209	
<b>OTHER DATA</b>											
Oil Separation	16-Gallon Separator Tank		16-Gallon Separator Tank			25-Gallon Separator Tank				18-Gallon Separator Tank	
Tires	195 R 14C / 215 R 17.5		195 R 14C / 215 R 17.5			215/75 R 17.5				195 R 14C 106 / 104 R	
Brakes	Yes		Yes			Yes				Yes	
Airend Discharge Temperature	Yes		Yes			Yes				Yes	
Discharge Pressure Gauge	Yes		Yes			Yes				Yes	
Service Hour Meter	Yes		Yes			Yes				Yes	
Lifting Hook	Yes		Yes			Yes				Yes	
Malfunction Indicator	Yes		Yes			Yes				Yes	
DOT Approved Lights and Reflectors	Yes		Yes			Yes				Yes	
Tool Box	Yes		Yes			Yes				--	