

		<b>Technical Data Sheet</b>		Code											
				<b>GEAE6TX5AA-ASE</b>											
<b>Ing. Enea Mattei S.p.A.</b>		<b>PRODUCT SPECIFICATIONS</b>													
				<b>Model</b> <b>OPTIMA 132</b>											
<b>Description</b>				<b>Variable speed unit</b>											
<b>Arrangement</b>				<b>Silenced</b>											
<b>Series</b>				<b>6000</b> <b>STANDARD PRODUCT</b>											
<b>Air End frame</b>				<b>M 195</b>											
<b>Version</b>				<b>n.a.</b>											
<b>OIL cooling medium</b>				<b>Air</b>											
<b>AIR cooling medium</b>				<b>Air</b>											
<b>Modulation</b>				<b>No</b>											
<b>Decompression</b>				<b>Yes</b>											
<b>Receiver</b>				<b>n.a.</b>											
<b>Inlet nominal pressure</b>				ISO 1217	psi (a)	14.5									
<b>Inlet nominal temperature</b>				ISO 1217	°F	68									
<b>Relative humidity</b>				ISO 1217	%	0									
<b>Motor nominal speed</b>				ISO 1217	rpm	1500									
<b>Nominal working pressure</b>					psi (g)	min 102 - 145 max									
<b>Maximum working pressure</b>					psi (g)	145									
<b>Nominal delivery</b>				(1)	cfm	min 421.7 - 742.0 - 830.4 max									
<b>Terminals absorbed power</b>				(2) (6)	kW	138.57									
<b>Terminals unload absorbed power</b>					Kw	14.53									
<b>Noise level (max)</b>				ISO 2151 - @1 mt	dBA	69									
<b>Oil carry over</b>					ppm	3									
<b>Total heat recovery (up to ...)</b>					%	95									
<b>Oil circuit capacity</b>					gallons	15.9									
<b>PERFORMANCES</b> <b>OPTIMA PERFORMANCES</b>															
psi (g)		rpm	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	rpm	
102	Flow rate	cfm	429.8	474.6	519.5	564.0	608.8	653.3	697.8	742.0	786.1	830.6	-	Delivery	
	Power	kW	71.92	80.69	89.74	98.90	108.35	117.99	127.84	138.57	148.12	158.65	-	Absorbed power	
116	Flow rate	cfm	427.0	471.5	515.9	560.1	604.6	648.7	692.9	737.0	780.8	-	-	Delivery	
	Power	kW	76.75	86.10	95.75	105.59	115.63	125.97	136.50	147.23	158.26	-	-	Absorbed power	
131	Flow rate	cfm	424.1	468.3	512.8	556.6	600.7	644.8	688.6	732.4	-	-	-	Delivery	
	Power	kW	81.08	91.02	101.26	111.69	122.42	133.35	144.48	155.89	-	-	-	Absorbed power	
145	Flow rate	cfm	421.7	465.8	509.6	553.4	597.2	641.0	684.8	728.2	-	-	-	Delivery	
	Power	kW	85.02	95.45	106.18	117.11	128.33	139.85	151.56	163.47	-	-	-	Absorbed power	
<b>ELECTRICAL CHARACTERISTICS</b>															
<b>Electric certification</b>														<b>CEI</b>	
<b>Starting type</b>														<b>INVERTER</b>	
<b>Voltage -- Frequency -- Phases</b>								V / Hz / Ph						<b>400-460 / 50-60 / 3</b>	
<b>Auxiliary circuit tension</b>								V						<b>110</b>	
<b>Nominal absorbed current</b>						(6)		A						<b>229.9</b>	
<b>Minimum supply cables section (33 ft.)</b>								AWG						<b>4</b>	
<b>MAIN MOTOR</b>															
<b>Nominal power input</b>								kW / HP						<b>132 / 175</b>	
<b>Efficiency class</b>														<b>IE3</b>	
<b>Efficiency</b>								%						<b>96.2</b>	
<b>Poles</b>														<b>4</b>	
<b>Protection index</b>								IP						<b>55</b>	
<b>Insulation class</b>														<b>F</b>	
<b>COOLING</b>															
<b>Maximum ambient temperature</b>								°F						<b>104</b>	
<b>Minimum ambient temperature</b>								°F						<b>34</b>	
<b>Outlet AIR temperature</b>						(5)		°F						<b>&lt; 86</b>	
<b>OIL maximum temperature</b>								°F						<b>248</b>	
<b>OIL minimum temperature</b>								°F						<b>176</b>	
<b>Fan type</b>														<b>Centrifugal</b>	
<b>Cooling AIR flow (minimum)</b>								(3)		cfm				<b>6474</b>	
<b>Cooling AIR flow (maximum)</b>								(4)		cfm				<b>13714</b>	
<b>Heat Removal Oil and Aftercooler</b>								(4)		Btu/hr				<b>472939</b>	
<b>Fan residual head (minimum)</b>								(3)		Pa				<b>-</b>	
<b>Fan residual head (maximum)</b>								(4)		Pa				<b>110</b>	
<b>Fan absorbed power (minimum)</b>								(3)		kW				<b>-</b>	
<b>Fan absorbed power (maximum)</b>								(4)		kW				<b>4.0</b>	
<b>WATER flow</b>										gpm				<b>-</b>	
<b>Water INLET temperature</b>										°F				<b>-</b>	
<b>Water OUTLET maximum temperature</b>										°F				<b>-</b>	
<b>Water minimum suggested pressure</b>										psi (g)				<b>-</b>	
<b>Thermal recoverable power</b>										Kcal				<b>-</b>	
<b>DRYER</b>															
<b>Refrigerant gas</b>														<b>-</b>	
<b>Dew point (pressure)</b>								°F						<b>-</b>	
<b>Absorbed power</b>								kW						<b>-</b>	
<b>Regeneration air percentage</b>								%						<b>-</b>	
<b>Supply: Voltage - frequency - phases</b>								V / Hz / Ph						<b>-</b>	
<b>DIMENSIONS</b>															
<b>AIR outlet connection</b>														<b>Rp 2" 1/2</b>	
<b>Condensate separator drain connection</b>														<b>Rp 2" 1/2</b>	
<b>Condensate drain connection</b>														<b>-</b>	
<b>Condensate DRYER drain connection</b>														<b>-</b>	
<b>Receiver condensate drain connection</b>														<b>-</b>	
<b>INLET-OUTLET water connections</b>														<b>2 x Rp 1"</b>	
<b>Storage AIR receiver volume</b>								gallons						<b>n.a.</b>	
<b>Width</b>								inch						<b>55</b>	
<b>Length</b>								inch						<b>92</b>	
<b>Height</b>								inch						<b>78</b>	
<b>Weight</b>								lbs						<b>6.349</b>	
<b>NOTES</b>															
(1) - Accordina to ISO 1217 - Annex C (fixed speed) & Annex E (variable speed)															
(2) - Fan included (@ first speed if available) - Dryer input power excluded															
(3) - Fan @ lower speed (OPTIMA @ min speed)															
(4) - Fan @ faster speed (Optima : fan @50Hz)															
(5) - @ reference conditions															
(6) - OPTIMA @ 1500 rpm and 102 psi															