

		<b>Technical Data Sheet</b>		Code										
				<b>GEA6T350A-ASE</b>										
<b>Ing. Enea Mattei S.p.A.</b>		<b>PRODUCT SPECIFICATIONS</b>												
Model				<b>OPTIMA 11</b>										
Description				Variable speed unit										
Arrangement				Silenced										
Series				500 <b>STANDARD PRODUCT</b>										
Air End frame				M 86										
Version				n.a.										
OIL cooling medium				Air										
AIR cooling medium				Air										
Modulation				No										
Decompression				Yes										
Receiver				n.a.										
Inlet nominal pressure				ISO 1217	psi (a)	14.5								
Inlet nominal temperature				ISO 1217	°F	68								
Relative humidity				ISO 1217	%	0								
Motor nominal speed				ISO 1217	rpm	1500								
Nominal working pressure					psi (g)	min 102 - 145 max								
Maximum working pressure					psi (g)	145								
Nominal delivery				(1)	cfm	min 42 - 57.6 - 68.2 max								
Terminals absorbed power				(2) (6)	kW	11.56								
Terminals unload absorbed power					Kw	1.70								
Noise level (max)				ISO 2151 - @1 mt	dBA	65								
Oil carry over					ppm	3								
Total heat recovery (up to ...)					%	95								
Oil circuit capacity					gallons	1								
PERFORMANCES														
OPTIMA PERFORMANCES														
psi (g)		rpm	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	rpm
102	Flow rate	cfm	-	-	-	43.1	46.6	50.1	54.0	57.6	61.1	64.6	68.2	Delivery
	Power	kW	-	-	-	8.45	9.19	9.97	10.77	11.56	12.40	13.24	14.14	Absorbed power
116	Flow rate	cfm	-	-	-	42.7	46.3	49.8	53.7	57.2	60.7	64.3	-	Delivery
	Power	kW	-	-	-	9.08	9.92	10.74	11.58	12.42	13.31	14.16	-	Absorbed power
131	Flow rate	cfm	-	-	-	42.4	45.9	49.4	53.3	56.9	60.4	-	-	Delivery
	Power	kW	-	-	-	9.60	10.49	11.36	12.22	13.10	14.01	-	-	Absorbed power
145	Flow rate	cfm	-	-	-	42.0	45.6	49.4	53.0	56.5	-	-	-	Delivery
	Power	kW	-	-	-	10.09	11.02	11.89	12.82	13.77	-	-	-	Absorbed power
ELECTRICAL CHARACTERISTICS														
Electric certification							-					CEI		
Starting type							-					INVERTER		
Voltage -- Frequency -- Phases									V / Hz / Ph			400-460 / 50-60 / 3		
Auxiliary circuit tension									V			110		
Nominal absorbed current							(6)			A			20.6	
Minimum supply cables section (33 ft.)									AWG			10		
MAIN MOTOR														
Nominal power input									kW / HP			11 / 15		
Efficiency class									-			IE3		
Efficiency									%			92.4		
Poles									-			4		
Protection index									IP			55		
Insulation class									-			F		
COOLING														
Maximum ambient temperature									°F			104		
Minimum ambient temperature									°F			34		
Outlet AIR temperature							(5)			°F			< 86	
OIL maximum temperature									°F			248		
OIL minimum temperature									°F			176		
Fan type									-			Axial		
Cooling AIR flow (minimum)							(3)			cfm			706	
Cooling AIR flow (maximum)							(4)			cfm			1118	
Heat Removal Oil and Aftercooler							(4)			Btu/hr			39454	
Fan residual head (minimum)							(3)			Pa			-	
Fan residual head (maximum)							(4)			Pa			20	
Fan absorbed power (minimum)							(3)			kW			-	
Fan absorbed power (maximum)							(4)			kW			0.15	
WATER flow									gpm			-		
Water INLET temperature									°F			-		
Water OUTLET maximum temperature									°F			-		
Water minimum suggested pressure									psi (g)			-		
Thermal recoverable power									Kcal			-		
DRYER														
Refrigerant gas									-			-		
Dew point (pressure)									°F			-		
Absorbed power									kW			-		
Regeneration air percentage									%			-		
Supply: Voltage - frequency - phases									V / Hz / Ph			-		
DIMENSIONS														
AIR outlet connection									-			Rp 3/4"		
Condensate separator drain connection									-			Rp 3/4"		
Condensate drain connection									-			10 mm (MASCHIO / male)		
Condensate DRYER drain connection									-			-		
Receiver condensate drain connection									-			-		
INLET-OUTLET water connections									-			-		
Storage AIR receiver volume									gallons			n.a.		
Width									inch			24		
Length									inch			49		
Height									inch			41		
Weight									lbs			551		
NOTES														
(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														