



# Technical Data Sheet

Code **GEAF4Z35AA-ASE**

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## PRODUCT SPECIFICATIONS

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Model **MAXIMA 110 X**

Description	High Efficiency unit		
Arrangement	Silenced		
Series	6000	STANDARD PRODUCT	
Air End frame	M 170 X 2		
Version	n.a.		
OIL cooling medium	Air		
AIR cooling medium	Air		
Modulation	Yes		
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	1800
Nominal working pressure		psi (g)	108 (X)
Maximum working pressure		psi (g)	116
Nominal delivery	(1)	cfm	843.9
Terminals absorbed power	(2) (6)	kW	149.05
Terminals unload absorbed power		Kw	39
Noise level (max)	ISO 2151 - @1 mt	dBA	72
Oil carry over		ppm	3
Total heat recovery (up to ...)		%	95
Oil circuit capacity		gallons	15.9

### PERFORMANCES

psi (g)	72.5		87		102		116		131		145		160		174	
	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW
	-	-	854.0	133.45	847.0	144.02	-	-	-	-	-	-	-	-	-	-

### ELECTRICAL CHARACTERISTICS

Electric certification					CEI			
Starting type					SOFT STARTER			
Voltage -- Frequency -- Phases					V / Hz / Ph			
Auxiliary circuit tension					208/60/3 230/60/3 460/60/3 575/60/3			
Nominal absorbed current	(6)				A			
Minimum supply cables section (33 ft.)					AWG			

Nominal power input					kW / HP			
Efficiency class					IE3			
Efficiency					95.8			
Poles					4			
Protection index					IP 55			
Insulation class					F			

### COOLING

Maximum ambient temperature					°F			
Minimum ambient temperature					°F			
Outlet AIR temperature	(5)				°F			
OIL maximum temperature					°F			
OIL minimum temperature					°F			
Fan type					Axial			
Cooling AIR flow (minimum)	(3)				cfm			
Cooling AIR flow (maximum)	(4)				cfm			
Heat Removal Oil and Aftercooler	(4)				Btu/hr			
Fan residual head (minimum)	(3)				Pa			
Fan residual head (maximum)	(4)				Pa			
Fan absorbed power (minimum)	(3)				kW			
Fan absorbed power (maximum)	(4)				kW			
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 2" 1/2			
Condensate separator drain connection					Rp 2" 1/2			
Condensate drain connection								
Condensate DRYER drain connection								
Receiver condensate drain connection								
INLET-OUTLET water connections					2 x Rp 1"			
Storage AIR receiver volume					gallons			
Width					inch			
Length					inch			
Height					inch			
Weight					lbs			

### NOTES

- (1) - According 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