



Technical Data Sheet

Code **GEAF4S35BA-ASE**

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PRODUCT SPECIFICATIONS

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date

draft

revision

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issue

Model **MAXIMA 110 HX**

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)	137 (HX)
Maximum working pressure		psi (g)	145
Nominal delivery	(1)	cfm	734
Terminals absorbed power	(2) (6)	kW	156.2
Terminals unload absorbed power		Kw	34.20
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
	-	-	-	-	747.60	134.90	741.59	144.10	736.30	152.50	734.00	156.20	-	-	-	-

ELECTRICAL CHARACTERISTICS

Electric certification			UL/CSA	
Starting type			SOFT STARTER	
Voltage -- Frequency -- Phases			V / Hz / Ph	
Auxiliary circuit tension			208/60/3	230/60/3
Nominal absorbed current	(6)		A	225.3
Minimum supply cables section (33 ft.)			AWG	4/0
				3/0

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