



Technical Data Sheet

Code **GEAC1S3501**

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PRODUCT SPECIFICATIONS

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Model **MAXIMA 30 HX 460-3 IE3 USA**

Description	High Efficiency unit		
Arrangement	Silenced		
Series	2000	CUSTOM PRODUCT	
Air End frame	M 135		
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	1200
Nominal working pressure		psi (g)	145 (HX)
Maximum working pressure		psi (g)	145 (HX)
Nominal delivery	(1)	cfm	194.0
Terminals absorbed power	(2) (6)	kW	41.49
Terminals unload absorbed power		Kw	7
Noise level (max)	ISO 2151 - @1 mt	dBA	67
Oil carry over		ppm	3
Total heat recovery (up to ...)		%	95
Oil circuit capacity		gallons	5

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
	200.5	32.52	199.0	34.17	197.6	35.81	196.17	38.15	194.83	40.56	-	-	-	-	-	-

ELECTRICAL CHARACTERISTICS

Electric certification			UL/CSA	
Starting type			Star-Delta	
Voltage -- Frequency -- Phases			V / Hz / Ph	208/60/3 230/60/3 460/60/3 575/60/3
Auxiliary circuit tension			V	- 110 -
Nominal absorbed current	(6)		A	- 63.5 -
Minimum supply cables section (33 ft.)			AWG	- 6 -
Nominal power input			kW / HP	30 / 40
Efficiency class				IE3
Efficiency			%	94.1
Poles				6
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			Centrifugal
Cooling AIR flow (minimum)	(3)	cfm	4238
Cooling AIR flow (maximum)	(4)	cfm	5091
Heat Removal Oil and Aftercooler	(4)	Btu/hr	141605
Fan residual head (minimum)	(3)	Pa	80
Fan residual head (maximum)	(4)	Pa	80
Fan absorbed power (minimum)	(3)	kW	1.3
Fan absorbed power (maximum)	(4)	kW	1.55
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"
Condensate separator drain connection			Rp 1" 1/2
Condensate drain connection			-
Condensate DRYER drain connection			-
Receiver condensate drain connection			-
INLET-OUTLET water connections			-
Storage AIR receiver volume	gallons		n.a.
Width	inch		38
Length	inch		72
Height	inch		66
Weight	lbs		2072

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