



Technical Data Sheet

Code **GEACMS 35AA-ASE**

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PRODUCT SPECIFICATIONS

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date

draft

revision

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issue

Model **AC 37 LX**

Description	Air Centre unit		
Arrangement	Silenced		
Series	2000		STANDARD 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	1800
Nominal working pressure		psi (g)	108 (LX)
Maximum working pressure		psi (g)	116
Nominal delivery	(1)	cfm	244.7
Terminals absorbed power	(2) (6)	kW	52.04
Terminals unload absorbed power		Kw	13.60
Noise level (max)	ISO 2151 - @1 mt	dBA	68
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
	249.7	42.88	248.3	46.64	246.0	50.30	-	-	-	-	-	-	-	-	-	-

ELECTRICAL CHARACTERISTICS

Electric certification	-		CEI				
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	110	
Nominal absorbed current	(6)		A	-	-	78.7	63.0
Minimum supply cables section (33 ft.)	-		AWG	-	-	4	6
Nominal power input	-		kW / HP	37 / 50			
Efficiency class	-		IE3				
Efficiency	-		94.5				
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		< 88	
OIL maximum temperature	°F		248			
OIL minimum temperature	°F		176			
Fan type	-		Centrifugal			
Cooling AIR flow (minimum)	(3)		cfm	-		
Cooling AIR flow (maximum)	(4)		cfm	5091		
Heat Removal Oil and Aftercooler	(4)		Btu/hr	177617		
Fan residual head (minimum)	(3)		Pa	-		
Fan residual head (maximum)	(4)		Pa	80		
Fan absorbed power (minimum)	(3)		kW	-		
Fan absorbed power (maximum)	(4)		kW	1.9		
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	-		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		38			
Length	inch		72			
Height	inch		66			
Weight	lbs		1830			

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