



Technical Data Sheet

Code **GEACDS35AA-ASE**

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PRODUCT SPECIFICATIONS

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date

draft

revision

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issue

Model **AC 45 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	329.5
Terminals absorbed power	(2) (6)	kW	58.87
Terminals unload absorbed power		Kw	13.20
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
	335.4	48.49	333.4	52.27	328.5	56.90	-	-	-	-	-	-	-	-	-	-

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	-	88.7	71.0
Minimum supply cables section (33 ft.)	-		AWG	-	3	4
Nominal power input	kW / HP		37 / 50			
Efficiency class	-		IE3			
Efficiency	%		95			
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		200917
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		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