



Technical Data Sheet

Code **GEABBS 35BA-ASE**

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PRODUCT SPECIFICATIONS

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date

draft

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issue

Model **AC 18 LX**

Description	Air Centre unit		
Arrangement	Silenced		
Series	1000	STANDARD PRODUCT	
Air End frame	M 111		
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	122.9
Terminals absorbed power	(2) (6)	kW	25.05
Terminals unload absorbed power		Kw	4.60
Noise level (max)	ISO 2151 - @1 mt	dBA	69
Oil carry over		ppm	3
Total heat recovery (up to ...)		%	95
Oil circuit capacity		gallons	3

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
	124.9	20.57	124.2	22.40	123.0	24.20	-	-	-	-	-	-	-	-	-	-

ELECTRICAL CHARACTERISTICS

Electric certification					CEI			
Starting type					Star-Delta			
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			
					4 4 8 10			

MAIN MOTOR

Nominal power input	kW / HP		18 / 25	
Efficiency class			IE3	
Efficiency	%		93.6	
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	
OIL maximum temperature			248	
OIL minimum temperature			176	
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 1"	
Condensate separator drain connection			Rp 1"	
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		31	
Length	inch		59	
Height	inch		47	
Weight	lbs		1014	

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