



# Technical Data Sheet

Code **GEACRS 35AA-ASE**

Ing. Enea Mattei S.p.A.

## PRODUCT SPECIFICATIONS

11/6/15

date

draft

revision

10/3/15

issue

Model **AC 37 HX**

Description	Air Centre unit		
Arrangement	Silenced		
Series	2000 <b>STANDARD PRODUCT</b>		
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)	137 (HX)
Maximum working pressure		psi (g)	145
Nominal delivery	(1)	cfm	230.0
Terminals absorbed power	(2) (6)	kW	53.50
Terminals unload absorbed power		Kw	9.40
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
	-	-	-	-	234.0	46.14	232.0	49.31	230.3	52.20	-	-	-	-	-	-

### ELECTRICAL CHARACTERISTICS

Electric certification			CEI	
Starting type			Star-Delta	
Voltage -- Frequency -- Phases			V / Hz / Ph	
Auxiliary circuit tension			208/60/3	230/60/3
Nominal absorbed current	(6)		A	81.9
Minimum supply cables section (33 ft.)			AWG	4

### MAIN MOTOR

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 < 86	
OIL maximum temperature			248	
OIL minimum temperature			176	
Fan type			Centrifugal	
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"	
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