



# Technical Data Sheet

Code **GEAA6S35AA-ASE**

Ing. Enea Mattei S.p.A.

## PRODUCT SPECIFICATIONS

7/17/15

date

draft

revision

1/28/15

issue

Model **AC 11 HX**

Description	Air Centre unit		
Arrangement	Silenced		
Series	500	STANDARD PRODUCT	
Air End frame	M 86		
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	66
Terminals absorbed power	(2) (6)	kW	15.42
Terminals unload absorbed power		Kw	3.63
Noise level (max)	ISO 2151 - @1 mt	dBA	67
Oil carry over		ppm	3
Total heat recovery (up to ...)		%	95
Oil circuit capacity		gallons	1

### 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
	-	-	67.9	12.36	67.2	13.35	66.7	14.29	66.3	15.14	-	-	-	-	-	-

### 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)		110	110	110	110
Minimum supply cables section (33 ft.)			48.7	44.0	22.0	17.6
			8	8	10	10

### MAIN MOTOR

Nominal power input	kW / HP		11 / 15			
Efficiency class			IE3			
Efficiency			92.4			
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			°F 248			
OIL minimum temperature			°F 176			
Fan type			Axial			
Cooling AIR flow (minimum)	(3)		cfm -			
Cooling AIR flow (maximum)	(4)		cfm 1118			
Heat Removal Oil and Aftercooler	(4)		Btu/hr 52628			
Fan residual head (minimum)	(3)		Pa -			
Fan residual head (maximum)	(4)		Pa 20			
Fan absorbed power (minimum)	(3)		kW -			
Fan absorbed power (maximum)	(4)		kW 0.18			
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 3/4"			
Condensate separator drain connection			Rp 3/4"			
Condensate drain connection			10 mm (male)			
Condensate DRYER drain connection			-			
Receiver condensate drain connection			-			
INLET-OUTLET water connections			-			
Storage AIR receiver volume			gallons n.a.			
Width			inch 24			
Length			inch 49			
Height			inch 41			
Weight			lbs 529			

### 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