

		Technical Data Sheet			Code												
					GEACJS 35AA-ASE												
Ing. Enea Mattei S.p.A.		PRODUCT SPECIFICATIONS			11/6/15 <small>date</small>												
					draft <small>revision</small>												
					10/3/15 <small>issue</small>												
Model				AC 45 HX													
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)	137 (HX)													
Maximum working pressure			psi (g)	145													
Nominal delivery		(1)	cfm	301.4													
Terminals absorbed power		(2) (6)	kW	66.90													
Terminals unload absorbed power			Kw	11.70													
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	
	-	-	-	-	307.2	57.66	304.7	61.63	302.7	65.28	-	-	-	-	-	-	
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		-		-		97.5	
Minimum supply cables section (33 ft.)				-			-			AWG		-		-		3	
				-			-			-		-		-		4	
Nominal power input				-			-			kW / HP		-		-		45 / 60	
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		-		-		< 86	
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		-		-		228330	
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																	