



Technical Data Sheet

Code **GEAE4Z350A-ASE**

Ing. Enea Mattei S.p.A.

PRODUCT SPECIFICATIONS

7/15/15

date

draft

revision

7/15/15

issue

Model **MAXIMA 160 X**

Description	High Efficiency unit		
Arrangement	Silenced		
Series	8000	STANDARD PRODUCT	
Air End frame	M 195 X 2		
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 (X)
Maximum working pressure		psi (g)	116
Nominal delivery	(1)	cfm	1201.0
Terminals absorbed power	(2) (6)	kW	219.00
Terminals unload absorbed power		Kw	41.20
Noise level (max)	ISO 2151 - @1 mt	dBA	75
Oil carry over		ppm	3
Total heat recovery (up to ...)		%	95
Oil circuit capacity		gallons	15.9

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
	-	-	1214.8	196.49	1206.0	211.86	-	-	-	-	-	-	-	-	-	-

ELECTRICAL CHARACTERISTICS

Electric certification	-				CEI			
Starting type	-				SOFT STARTER			
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	-	331.1	264.9
Minimum supply cables section (33 ft.)	-				AWG	-	400	300

Nominal power input	kW / HP		160 / 200	
Efficiency class	-		IE3	
Efficiency	%		95.8	
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	Axial	
Cooling AIR flow (minimum)	(3) cfm	25427
Cooling AIR flow (maximum)	(4) cfm	30371
Heat Removal Oil and Aftercooler	(4) Btu/hr	747447
Fan residual head (minimum)	(3) Pa	80
Fan residual head (maximum)	(4) Pa	80
Fan absorbed power (minimum)	(3) kW	5.00
Fan absorbed power (maximum)	(4) kW	6.80
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	ANSI B 16.5 5"	
Condensate separator drain connection	DN125-PN16	
Condensate drain connection	-	
Condensate DRYER drain connection	-	
Receiver condensate drain connection	-	
INLET-OUTLET water connections	-	
Storage AIR receiver volume	gallons	n.a.
Width	inch	70
Length	inch	106
Height	inch	88
Weight	lbs	9590

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