

		Technical Data Sheet		Code											
				GEABJT350A-ASE											
Ing. Enea Mattei S.p.A.		PRODUCT SPECIFICATIONS													
				Model OPTIMA 15											
Description				Variable speed unit											
Arrangement				Silenced											
Series				1000 STANDARD PRODUCT											
Air End frame				M 111											
Version				n.a.											
OIL cooling medium				Air											
AIR cooling medium				Air											
Modulation				No											
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	1500									
Nominal working pressure					psi (g)	min 102 - 145 max									
Maximum working pressure					psi (g)	145									
Nominal delivery				(1)	cfm	min 55 - 76.2 - 94.7 max									
Terminals absorbed power				(2) (6)	kW	15.68									
Terminals unload absorbed power					Kw	2.35									
Noise level (max)				ISO 2151 - @1 mt	dBA	67									
Oil carry over					ppm	3									
Total heat recovery (up to ...)					%	95									
Oil circuit capacity					gallons	3									
PERFORMANCES															
OPTIMA PERFORMANCES															
psi (g)		rpm	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	rpm	
102	Flow rate	cfm	-	-	-	56.0	64.3	68.3	72.2	76.2	80.2	87.1	94.7	Delivery	
	Power	kW	-	-	-	11.10	12.50	13.25	14.00	14.85	15.70	17.40	19.78	Absorbed power	
116	Flow rate	cfm	-	-	-	55.7	63.9	67.6	71.5	75.5	79.5	86.4	-	Delivery	
	Power	kW	-	-	-	11.94	13.40	14.22	15.08	15.97	16.95	19.08	-	Absorbed power	
131	Flow rate	cfm	-	-	-	55.3	63.6	67.2	71.2	75.2	-	-	-	Delivery	
	Power	kW	-	-	-	12.81	14.41	15.33	16.21	17.13	-	-	-	Absorbed power	
145	Flow rate	cfm	-	-	-	55.0	63.2	66.9	70.8	74.5	-	-	-	Delivery	
	Power	kW	-	-	-	13.58	15.28	16.24	17.14	18.14	-	-	-	Absorbed power	
ELECTRICAL CHARACTERISTICS															
Electric certification														CEI	
Starting type														INVERTER	
Voltage -- Frequency -- Phases								V / Hz / Ph						400-460 / 50-60 / 3	
Auxiliary circuit tension														110	
Nominal absorbed current						(6)								26.6	
Minimum supply cables section (33 ft.)														10	
MAIN MOTOR															
Nominal power input								kW / HP						15 / 20	
Efficiency class														IE3	
Efficiency														93.2	
Poles														4	
Protection index														55	
Insulation class														F	
COOLING															
Maximum ambient temperature														104	
Minimum ambient temperature														34	
Outlet AIR temperature						(5)								< 86	
OIL maximum temperature														248	
OIL minimum temperature														176	
Fan type														Axial	
Cooling AIR flow (minimum)						(3)								1648	
Cooling AIR flow (maximum)						(4)								2972	
Heat Removal Oil and Aftercooler						(4)								53516	
Fan residual head (minimum)						(3)								-	
Fan residual head (maximum)						(4)								20	
Fan absorbed power (minimum)						(3)								-	
Fan absorbed power (maximum)						(4)								0.5	
WATER flow														-	
Water INLET temperature														-	
Water OUTLET maximum temperature														-	
Water minimum suggested pressure														-	
Thermal recoverable power														-	
DRYER															
Refrigerant gas														-	
Dew point (pressure)														-	
Absorbed power														-	
Regeneration air percentage														-	
Supply: Voltage - frequency - phases														-	
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														n.a.	
Width														31	
Length														59	
Height														47	
Weight														1.038	
NOTES															
(1) - Accordina 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															