

		Technical Data Sheet		Code										
				GEABBT3B0B										
Ing. Enea Mattei S.p.A.		PRODUCT SPECIFICATIONS		5/15/18										
				draft										
				9/12/16										
		Model		BLADE 22 i 400-460-3										
Description		Variable speed unit												
Arrangement		Silenced												
Series		SILENZIATO / Silenced / Insonorisée		STANDARD PRODUCT										
Air End frame		BLADE												
Version		M 111												
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 80.16 - 107.7 - 126.8 max										
Terminals absorbed power		(2) (6)	kW	20.86										
Terminals unload absorbed power			Kw	2.50										
Noise level (max)		ISO 2151 - @1 mt	dBA	66										
Oil carry over			ppm	3										
Total heat recovery (up to ...)			%	95										
Oil circuit capacity			gallons	3										
PERFORMANCES														
OPTIMA PERFORMANCES														
0		rpm	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	rpm
102	Flow rate	cfm	-	-	-	81.9	88.3	95.0	101.4	107.7	114.1	120.4	126.8	Delivery
	Power	kW	-	-	-	14.8	16.3	17.8	19.3	20.86	22.5	24.1	25.9	Absorbed power
116	Flow rate	cfm	-	-	-	81.2	87.6	94.3	100.6	107.0	113.4	119.7	-	Delivery
	Power	kW	-	-	-	15.8	17.3	18.9	20.6	22.3	24.0	25.7	-	Absorbed power
131	Flow rate	cfm	-	-	-	80.9	87.2	93.6	99.9	106.3	-	-	-	Delivery
	Power	kW	-	-	-	16.8	18.5	20.2	21.9	23.7	-	-	-	Absorbed power
145	Flow rate	cfm	-	-	-	80.2	86.5	92.9	99.2	105.6	-	-	-	Delivery
	Power	kW	-	-	-	17.6	19.3	21.1	22.9	24.8	-	-	-	Absorbed power
ELECTRICAL CHARACTERISTICS														
Electric certification				CEI										
Starting type				INVERTER										
Voltage -- Frequency -- Phases				V / Hz / Ph										
Auxiliary circuit tension				400-460 / 50-60 / 3										
Nominal absorbed current		(6)		A										
Minimum supply cables section (33 ft.)				AWG										
MAIN MOTOR														
Nominal power input				Kw										
Efficiency class				IE3										
Efficiency				%										
Poles				4										
Protection index				IP										
Insulation class				F										
COOLING														
Maximum ambient temperature				°F										
Minimum ambient temperature				°F										
Outlet AIR temperature		(5)		°F										
OIL maximum temperature				°F										
OIL minimum temperature				°F										
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 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				gallons										
Width				inch										
Length				inch										
Height				inch										
Weight				lbs										
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														