

		<b>Technical Data Sheet</b>			Code	<b>GEABKT3B0B</b>									
<b>Ing. Enea Mattei S.p.A.</b>		<b>PRODUCT SPECIFICATIONS</b>				5/15/18	date								
						draft	revision								
						9/12/16	issue								
		Model			<b>BLADE 18 i 400-460-3</b>										
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 70.98 - 95.3 - 112.3 max								
Terminals absorbed power		(2) (6)	kW				18.41								
Terminals unload absorbed power			Kw				2.30								
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								
<b>PERFORMANCES</b>															
<b>OPTIMA PERFORMANCES</b>															
0		rpm	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	rpm	
102	Flow rate	cfm	-	-	-	72.4	78.0	84.0	89.7	95.3	101.0	106.7	112.3	Delivery	
	Power	kW	-	-	-	13.1	14.4	15.7	17.0	18.41	19.8	21.3	22.8	Absorbed power	
116	Flow rate	cfm	-	-	-	72.0	77.7	83.3	89.0	94.6	100.3	105.9	-	Delivery	
	Power	kW	-	-	-	13.9	15.3	16.7	18.2	19.6	21.2	22.7	-	Absorbed power	
131	Flow rate	cfm	-	-	-	71.3	77.0	82.6	88.3	93.9	-	-	-	Delivery	
	Power	kW	-	-	-	14.8	16.3	17.8	19.3	20.9	-	-	-	Absorbed power	
145	Flow rate	cfm	-	-	-	71.0	76.6	82.3	87.9	93.2	-	-	-	Delivery	
	Power	kW	-	-	-	15.5	17.0	18.6	20.2	21.9	-	-	-	Absorbed power	
<b>ELECTRICAL CHARACTERISTICS</b>															
Electric certification								-						CEI	
Starting type								-						INVERTER	
Voltage -- Frequency -- Phases								V / Hz / Ph						400-460 / 50-60 / 3	
Auxiliary circuit tension								V						110.00	
Nominal absorbed current		(6)						A						30.5	
Minimum supply cables section (33 ft.)								AWG							
<b>MAIN MOTOR</b>															
Nominal power input								Kw						25	
Efficiency class								-						IE3	
Efficiency								%						92.6	
Poles								-						4	
Protection index								IP						55	
Insulation class								-						F	
<b>COOLING</b>															
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						1648	
Cooling AIR flow (maximum)		(4)						cfm						2678	
Heat Removal Oil and Aftercooler		(4)						Btu/hr						62833	
Fan residual head (minimum)		(3)						Pa						-	
Fan residual head (maximum)		(4)						Pa						30	
Fan absorbed power (minimum)		(3)						kW						-	
Fan absorbed power (maximum)		(4)						kW						0.33	
WATER flow								gpm						-	
Water INLET temperature								°F						-	
Water OUTLET maximum temperature								°F						-	
Water minimum suggested pressure								psi (g)						-	
Thermal recoverable power								Kcal						-	
<b>DRYER</b>															
Refrigerant gas								-						-	
Dew point (pressure)								°F						-	
Absorbed power								kW						-	
Regeneration air percentage								%						-	
Supply: Voltage - frequency - phases								V / Hz / Ph						-	
<b>DIMENSIONS</b>															
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						n.a.	
Width								inch						30	
Length								inch						57	
Height								inch						52	
Weight								lbs						1.301	
<b>NOTES</b>															
(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															