

		<b>Technical Data Sheet</b>		Code										
				<b>GEABJT3B0B</b>										
<b>Ing. Enea Mattei S.p.A.</b>		<b>PRODUCT SPECIFICATIONS</b>		5/10/18 <i>date</i>										
				draft <i>revision</i>										
				9/12/16 <i>issue</i>										
Model				<b>BLADE 15 i 400-460-3</b>										
Description				Variable speed unit										
Arrangement				Silenced										
Series				<b>SILENZIATO / Silenced / Insonorisée</b> <b>STANDARD PRODUCT</b>										
Air End frame				<b>BLADE</b>										
Version				<b>M 111</b>										
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 59.33 - 79.5 - 93.6 max								
Terminals absorbed power				(2) (6)	kW	15.85								
Terminals unload absorbed power					Kw	1.90								
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>														
OPTIMA PERFORMANCES														
0		rpm	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	rpm
102	Flow rate	cfm	-	-	-	60.4	65.3	69.9	74.9	79.5	84.0	89.0	93.6	Delivery
	Power	kW	-	-	-	11.3	12.4	13.5	14.7	15.85	17.1	18.4	19.7	Absorbed power
116	Flow rate	cfm	-	-	-	60.0	64.6	69.6	74.2	78.8	83.7	88.3	-	Delivery
	Power	kW	-	-	-	12.0	13.2	14.4	15.6	16.9	18.2	19.6	-	Absorbed power
131	Flow rate	cfm	-	-	-	59.7	64.3	68.9	73.8	78.4	-	-	-	Delivery
	Power	kW	-	-	-	12.8	14.0	15.3	16.6	18.0	-	-	-	Absorbed power
145	Flow rate	cfm	-	-	-	59.3	63.9	68.5	73.1	77.7	-	-	-	Delivery
	Power	kW	-	-	-	13.4	14.7	16.0	17.4	18.8	-	-	-	Absorbed power
<b>ELECTRICAL CHARACTERISTICS</b>														
Electric certification							-		-		-		<b>CEI</b>	
Starting type							-		-		-		<b>INVERTER</b>	
Voltage -- Frequency -- Phases							-		V / Hz / Ph		-		<b>400-460 / 50-60 / 3</b>	
Auxiliary circuit tension							-		-		-		<b>110.00</b>	
Nominal absorbed current							(6)		-		-		<b>27.2</b>	
Minimum supply cables section (33 ft.)							-		-		-		-	
<b>MAIN MOTOR</b>														
Nominal power input							-		-		-		<b>15</b>	
Efficiency class							-		-		-		<b>IE3</b>	
Efficiency							-		-		-		<b>92.1</b>	
Poles							-		-		-		<b>4</b>	
Protection index							-		-		-		<b>55</b>	
Insulation class							-		-		-		<b>F</b>	
<b>COOLING</b>														
Maximum ambient temperature							-		-		-		<b>104</b>	
Minimum ambient temperature							-		-		-		<b>34</b>	
Outlet AIR temperature							(5)		-		-		<b>&lt; 86</b>	
OIL maximum temperature							-		-		-		<b>248</b>	
OIL minimum temperature							-		-		-		<b>176</b>	
Fan type							-		-		-		<b>Centrifugal</b>	
Cooling AIR flow (minimum)							(3)		-		-		<b>1648</b>	
Cooling AIR flow (maximum)							(4)		-		-		<b>2678</b>	
Heat Removal Oil and Aftercooler							(4)		-		-		<b>54096</b>	
Fan residual head (minimum)							(3)		-		-		-	
Fan residual head (maximum)							(4)		-		-		<b>30</b>	
Fan absorbed power (minimum)							(3)		-		-		-	
Fan absorbed power (maximum)							(4)		-		-		<b>0</b>	
WATER flow							-		-		-		-	
Water INLET temperature							-		-		-		-	
Water OUTLET maximum temperature							-		-		-		-	
Water minimum suggested pressure							-		-		-		-	
Thermal recoverable power							-		-		-		-	
<b>DRYER</b>														
Refrigerant gas							-		-		-		-	
Dew point (pressure)							-		-		-		-	
Absorbed power							-		-		-		-	
Regeneration air percentage							-		-		-		-	
Supply: Voltage - frequency - phases							-		-		-		-	
<b>DIMENSIONS</b>														
AIR outlet connection							-		-		-		<b>Rp 1"</b>	
Condensate separator drain connection							-		-		-		<b>Rp 1"</b>	
Condensate drain connection							-		-		-		<b>10 mm (MASCHIO / male)</b>	
Condensate DRYER drain connection							-		-		-		-	
Receiver condensate drain connection							-		-		-		-	
INLET-OUTLET water connections							-		-		-		-	
Storage AIR receiver volume							-		-		-		<b>n.a.</b>	
Width							-		-		-		<b>30</b>	
Length							-		-		-		<b>57</b>	
Height							-		-		-		<b>52</b>	
Weight							-		-		-		<b>1.268</b>	
<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														