mattei	**Technical Data Sheet**	Code	**GEALBS3BAA-1P-ASE**	
			6/8/18	*date*
Ing. Enea Mattei S.p.A.	*PRODUCT SPECIFICATIONS*		**draft**	*revision*
			4/12/18	*issue*

Model		BLADE 5s HHX	
Description		**WorkShop unit**	
Arrangement		**Silenced**	
Series		**BLADE**	**STANDARD PRODUCT**
Air End frame		**M 75**	
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	**3600**
Nominal working pressure		psi (g)	**168 (HHX)**
Maximum working pressure		psi (g)	**175**
Nominal delivery	(1)	cfm	**22.7**
Terminals absorbed power	(2) (6)	kW	**6.60**
Terminals unload absorbed power		Kw	**1.87**
Noise level (max)	ISO 2151 - @1 mt	dBA	**62**
Oil carry over		ppm	**3**
Total heat recovery (up to …)		%	**95**
Oil circuit capacity		gallons	**1**

PERFORMANCES

psi (g)	73		87		100		116		131		145		160		175	
	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW
	-	-	-	-	-	-	**23.24**	**4.60**	**23.08**	**5.16**	**22.93**	**5.71**	**22.77**	**6.27**	-	-

ELECTRICAL CHARACTERISTICS

Electric certification		-	**CEI**
Starting type		-	**Full-Voltage**
Voltage -- Frequency -- Phases		V / Hz / Ph	**230/60/1**
Auxiliary circuit tension		V	**110**
Nominal absorbed current	(6)	A	**32.0**
Minimum supply cables section (33 ft.)		AWG	**10**

MAIN MOTOR

Nominal power input		kW / HP	**5 / 7.5**
Efficiency class		-	**NEMA T**
Efficiency		%	**82**
Poles		-	**2**
Protection index		IP	**55**
Insulation class		-	**F**

COOLING

Maximum ambient temperature		°F	**104**
Minimum ambient temperature		°F	**34**
Outlet AIR temperature	(5)	°F	**< 95**
OIL maximum temperature		°F	**248**
OIL minimum temperature		°F	**176**
Fan type		-	**Axial**
Cooling AIR flow (minimum)	(3)	cfm	**-**
Cooling AIR flow (maximum)	(4)	cfm	**1001**
Heat Removal Oil and Aftercooler	(4)	Btu/hr	**22526**
Fan residual head (minimum)	(3)	Pa	**-**
Fan residual head (maximum)	(4)	Pa	**20**
Fan absorbed power (minimum)	(3)	kW	**-**
Fan absorbed power (maximum)	(4)	kW	**0.14**
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 3/4"**
Condensate separator drain connection		-	**Rp 1/2"**
Condensate drain connection		-	**-**
Condensate DRYER drain connection		-	**-**
Receiver condensate drain connection		-	**-**
INLET-OUTLET water connections		-	**-**
Storage AIR receiver volume		gallons	**n.a.**
Width		inch	**29**
Length		inch	**37**
Height		inch	**31**
Weight		lbs	**493**

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*