mattei	**Technical Data Sheet**	**Code**	**GEQLBS3BAA-DUP-ASE**	
			6/8/18	*date*
Ing. Enea Mattei S.p.A.	*PRODUCT SPECIFICATIONS*		**draft**	*revision*
			4/12/18	*issue*

Model		BLADE 4 HHXTM-DUP	
Description		**WorkShop unit - Duplex**	
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		**ASME**	
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	**1800**
Nominal working pressure		psi (g)	**168 (HHX)**
Maximum working pressure		psi (g)	**175**
Nominal delivery	(1)	cfm	**14.5 (x2)**
Terminals absorbed power	(2) (6)	kW	**4.2 (x2)**
Terminals unload absorbed power		Kw	**1.3 (x2)**
Noise level (max)	ISO 2151 - @1 mt	dBA	**61**
Oil carry over		ppm	**3**
Total heat recovery (up to …)		%	**95**
Oil circuit capacity		gallons	**1 (x2)**

PERFORMANCES (x2)

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
	15.18	**1.91**	**15.06**	**2.25**	**14.95**	**2.57**	**14.85**	**2.95**	**14.74**	**3.30**	**14.64**	**3.64**	**14.55**	**3.99**	**-**	**-**

ELECTRICAL CHARACTERISTICS (x2)

Electric certification		-	**CEI**				
Starting type		-	**Full-Voltage**				
Voltage -- Frequency -- Phases		V / Hz / Ph		**208/60/3**	**230/60/3**	**460/60/3**	**575/60/3**
Auxiliary circuit tension		V		**110**	**110**	**110**	**110**
Nominal absorbed current	(6)	A		**15.3**	**13.8**	**6.9**	**5.5**
Minimum supply cables section (33 ft.)		AWG		**10**	**10**	**10**	**10**

MAIN MOTOR (x2)

Nominal power input		kW / HP	**4 / 5 (x2)**
Efficiency class		-	**NEMA T**
Efficiency		%	**89.5**
Poles		-	**4**
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 (x2)**
Heat Removal Oil and Aftercooler	(4)	Btu/hr	**28669**
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 1"**
Condensate separator drain connection		-	**-**
Condensate drain connection		-	**10 mm (Male) (x2)**
Condensate DRYER drain connection		-	**-**
Receiver condensate drain connection		-	**Manual (Rp 3/8")**
INLET-OUTLET water connections		-	**-**
Storage AIR receiver volume		gallons	**120**
Width		inch	**45.0**
Length		inch	**70.0**
Height		inch	**60.0**
Weight		lbs	**1382**

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