mattei	**Technical Data Sheet**	Code	**GEQL1S350A-TM-ASE**
			6/8/18 *date*
Ing. Enea Mattei S.p.A.	*PRODUCT SPECIFICATIONS*		**draft** *revision*
			4/12/18 *issue*

Model			BLADE 4 HXTM	
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			**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)	**143 (HX)**	
Maximum working pressure		psi (g)	**150**	
Nominal delivery	(1)	cfm	**17.6**	
Terminals absorbed power	(2) (6)	kW	**4.30**	
Terminals unload absorbed power		Kw	**1.30**	
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**	

PERFORMANCES

psi (g)	73		87		100		116		125		150		160		175	
	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW
	-	-	17.92	3.75	17.79	3.92	17.66	4.17	17.60	4.30	-	-	-	-	-	-

OPTIMA PERFORMANCES

bar (g)		rpm	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	rpm
102	Flow rate	cfm	-	-	-	-	-	-	-	-	-	-	-	Delivery
	Power	kW	-	-	-	-	-	-	-	-	-	-	-	Absorbed power
116	Flow rate	cfm	-	-	-	-	-	-	-	-	-	-	-	Delivery
	Power	kW	-	-	-	-	-	-	-	-	-	-	-	Absorbed power
131	Flow rate	cfm	-	-	-	-	-	-	-	-	-	-	-	Delivery
	Power	kW	-	-	-	-	-	-	-	-	-	-	-	Absorbed power
145	Flow rate	cfm	-	-	-	-	-	-	-	-	-	-	-	Delivery
	Power	kW	-	-	-	-	-	-	-	-	-	-	-	Absorbed power

ELECTRICAL CHARACTERISTICS

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

Nominal power input	kW / HP	**4 / 5**
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**
Heat Removal Oil and Aftercooler	(4)	Btu/hr	**14676**
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 1/2"**
Condensate separator drain connection	-	**-**
Condensate drain connection	-	**10 mm (Male)**
Condensate DRYER drain connection	-	**-**
Receiver condensate drain connection	-	**Manual (Rp 3/8")**
INLET-OUTLET water connections	-	**-**
Storage AIR receiver volume	gallons	**80**
Width	inch	**32**
Length	inch	**63**
Height	inch	**52**
Weight	lbs	**751**

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