

		Technical Data Sheet				Code		GEQLBS3BAA-TM-ASE									
Ing. Enea Mattei S.p.A.		PRODUCT SPECIFICATIONS						6/8/18		<i>date</i>							
								draft		<i>revision</i>							
								4/12/18		<i>issue</i>							
					Model		BLADE 4 HHXTM										
<i>Description</i>					WorkShop unit												
<i>Arrangement</i>					Silenced												
<i>Series</i>					BLADE		STANDARD PRODUCT										
<i>Air End frame</i>					M 75												
<i>Version</i>					n.a.												
<i>OIL cooling medium</i>					Air												
<i>AIR cooling medium</i>					Air												
<i>Modulation</i>					Yes												
<i>Decompression</i>					Yes												
<i>Receiver</i>					ASME												
<i>Inlet nominal pressure</i>		ISO 1217		psi (a)		14.5											
<i>Inlet nominal temperature</i>		ISO 1217		°F		68											
<i>Relative humidity</i>		ISO 1217		%		0											
<i>Motor nominal speed</i>		ISO 1217		rpm		1800											
<i>Nominal working pressure</i>				psi (g)		168 (HHX)											
<i>Maximum working pressure</i>				psi (g)		175											
<i>Nominal delivery</i>		(1)		cfm		14.5											
<i>Terminals absorbed power</i>		(2) (6)		kW		4.20											
<i>Terminals unload absorbed power</i>				Kw		1.30											
<i>Noise level (max)</i>		ISO 2151 - @1 mt		dBA		61											
<i>Oil carry over</i>				ppm		3											
<i>Total heat recovery (up to ...)</i>				%		95											
<i>Oil circuit capacity</i>				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
		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																	
<i>Electric certification</i>										CEI							
<i>Starting type</i>										Full-Voltage							
<i>Voltage -- Frequency -- Phases</i>					V / Hz / Ph					208/60/3		230/60/3		460/60/3		575/60/3	
<i>Auxiliary circuit tension</i>					V					110		110		110		110	
<i>Nominal absorbed current</i>					(6) A					15.3		13.8		6.9		5.5	
<i>Minimum supply cables section (33 ft.)</i>					AWG					10		10		10		10	
MAIN MOTOR																	
<i>Nominal power input</i>					kW / HP					4 / 5							
<i>Efficiency class</i>										NEMA T							
<i>Efficiency</i>										89.5							
<i>Poles</i>										4							
<i>Protection index</i>					IP					55							
<i>Insulation class</i>										F							
COOLING																	
<i>Maximum ambient temperature</i>					°F					104							
<i>Minimum ambient temperature</i>					°F					34							
<i>Outlet AIR temperature</i>					(5) °F					< 95							
<i>OIL maximum temperature</i>					°F					248							
<i>OIL minimum temperature</i>					°F					176							
<i>Fan type</i>										Axial							
<i>Cooling AIR flow (minimum)</i>					(3) cfm					-							
<i>Cooling AIR flow (maximum)</i>					(4) cfm					1001							
<i>Heat Removal Oil and Aftercooler</i>					(4) Btu/hr					14335							
<i>Fan residual head (minimum)</i>					(3) Pa					-							
<i>Fan residual head (maximum)</i>					(4) Pa					20							
<i>Fan absorbed power (minimum)</i>					(3) kW					-							
<i>Fan absorbed power (maximum)</i>					(4) kW					0.14							
<i>WATER flow</i>					gpm					-							
<i>Water INLET temperature</i>					°F					-							
<i>Water OUTLET maximum temperature</i>					°F					-							
<i>Water minimum suggested pressure</i>					psi (g)					-							
<i>Thermal recoverable power</i>					Kcal					-							
DRYER																	
<i>Refrigerant gas</i>										-							
<i>Dew point (pressure)</i>					°F					-							
<i>Absorbed power</i>					kW					-							
<i>Regeneration air percentage</i>					%					-							
<i>Supply: Voltage - frequency - phases</i>					V / Hz / Ph					-							
DIMENSIONS																	
<i>AIR outlet connection</i>										Rp 1/2"							
<i>Condensate separator drain connection</i>										-							
<i>Condensate drain connection</i>										10 mm (Male)							
<i>Condensate DRYER drain connection</i>										-							
<i>Receiver condensate drain connection</i>										Manual (Rp 3/8")							
<i>INLET-OUTLET water connections</i>										-							
<i>Storage AIR receiver volume</i>					gallons					80							
<i>Width</i>					inch					32							
<i>Length</i>					inch					63							
<i>Height</i>					inch					52							
<i>Weight</i>					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																	