

		Technical Data Sheet		Code									
				GEAL2S3BAA-ASE									
Ing. Enea Mattei S.p.A.		PRODUCT SPECIFICATIONS		6/8/18 <small>date</small>									
				draft <small>revision</small>									
				4/12/18 <small>issue</small>									
Model				BLADE 4 LX									
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	1800										
Nominal working pressure		psi (g)	109 (LX)										
Maximum working pressure		psi (g)	115										
Nominal delivery	(1)	cfm	21										
Terminals absorbed power	(2) (6)	kW	4.55										
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	115	125	115	160	175					
	cfm	kW	cfm	kW	cfm	kW	cfm	kW					
	21.3	4.14	21.2	4.35	21.0	4.55	-	-					
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	15529						
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	451						
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													