

		Technical Data Sheet		Code													
				GEAL2S3BAA-1PTM-ASE													
Ing. Enea Mattei S.p.A.		PRODUCT SPECIFICATIONS		6/8/18													
				date													
				draft													
				4/12/18													
				revision													
				issue													
Model				BLADE 4s LXTM-DUP													
Description				WorkShop unit - Duplex													
Arrangement				Silenced													
Series				BLADE													
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)	109 (LX)											
Maximum working pressure					psi (g)	115											
Nominal delivery				(1)	cfm	21 (x2)											
Terminals absorbed power				(2) (6)	kW	4.55 (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		115		125		155		160		175		
	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	cfm	kW	
	21.3	4.14	21.2	4.35	21.0	4.55	-	-	-	-	-	-	-	-	-	-	
ELECTRICAL CHARACTERISTICS (x2)																	
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		25.1							
Minimum supply cables section (33 ft.)								AWG		10							
MAIN MOTOR																	
Nominal power input								kW / HP								4 / 5 (x2)	
Efficiency class																NEMA T	
Efficiency								%		83.4							
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		31058							
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		1388							
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																	