

		Technical Data Sheet		Code													
				GEAL3S3BAA-1PSE-ASE													
Ing. Enea Mattei S.p.A.		PRODUCT SPECIFICATIONS		6/8/18													
				date													
				draft													
				4/12/18													
				revision													
				issue													
Model				BLADE 5s HXTM-SE													
Description				WorkShop unit													
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	3600											
Nominal working pressure					psi (g)	143 (HX)											
Maximum working pressure					psi (g)	150											
Nominal delivery				(1)	cfm	26.8											
Terminals absorbed power				(2) (6)	kW	6.50											
Terminals unload absorbed power					Kw	1.85											
Noise level (max)				ISO 2151 - @1 mt	dBA	62											
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	
	27.49	5.38	27.28	5.65	27.08	5.92	26.89	6.30	26.80	6.50	-	-	-	-	-	-	
ELECTRICAL CHARACTERISTICS																	
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		32.0							
Minimum supply cables section (33 ft.)								AWG		10							
MAIN MOTOR																	
Nominal power input								kW / HP								5 / 7.5	
Efficiency class																NEMA T	
Efficiency																82	
Poles																2	
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								22185	
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																R134a	
Dew point (pressure)								°F								37.4	
Absorbed power								kW								0.33	
Regeneration air percentage								%								-	
Supply: Voltage - frequency - phases								V / Hz / Ph								230/60/1	
DIMENSIONS																	
AIR outlet connection																Rp 1/2"	
Condensate separator drain connection																-	
Condensate drain connection																10 mm (Male)	
Condensate DRYER drain connection																(to the atmosphere)	
Receiver condensate drain connection																Manual (Rp 3/8")	
INLET-OUTLET water connections																-	
Storage AIR receiver volume								gallons								80	
Width								inch								32.4	
Length								inch								63.0	
Height								inch								52.2	
Weight								lbs								877	
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																	