



Technical Data Sheet

Code **GEAL3S3BAA-1PTM-ASE**

Ing. Enea Mattei S.p.A.

PRODUCT SPECIFICATIONS

6/8/18

date

draft

revision

4/12/18

issue

Model **BLADE 5s 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	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			-	
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		32.4	
Length	inch		63.0	
Height	inch		52.2	
Weight	lbs		793	

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