



Technical Data Sheet

Code **GEAL5S3BAA-ASE**

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PRODUCT SPECIFICATIONS

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date

draft

revision

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issue

Model **BLADE 7 HX**

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	3600
Nominal working pressure		psi (g)	143 (HX)
Maximum working pressure		psi (g)	150
Nominal delivery	(1)	cfm	33.4
Terminals absorbed power	(2) (6)	kW	8.10
Terminals unload absorbed power		Kw	2.48
Noise level (max)	ISO 2151 - @1 mt	dBA	64
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
	34.26	6.70	34.00	7.04	33.75	7.37	33.52	7.85	33.40	8.10	-	-	-	-	-	-

ELECTRICAL CHARACTERISTICS

Electric certification					CEI			
Starting type					Full-Voltage			
Voltage -- Frequency -- Phases					V / Hz / Ph			
Auxiliary circuit tension					V			
Nominal absorbed current	(6)				A			
Minimum supply cables section (33 ft.)					AWG			

MAIN MOTOR

Nominal power input	kW / HP				7 / 10			
Efficiency class					IE3			
Efficiency					90.2			
Poles					2			
Protection index					IP			
Insulation class					F			

COOLING

Maximum ambient temperature	°F				104			
Minimum ambient temperature	°F				34			
Outlet AIR temperature	(5)				°F			
OIL maximum temperature					°F			
OIL minimum temperature					°F			
Fan type					Axial			
Cooling AIR flow (minimum)	(3)				cfm			
Cooling AIR flow (maximum)	(4)				cfm			
Heat Removal Oil and Aftercooler	(4)				Btu/hr			
Fan residual head (minimum)	(3)				Pa			
Fan residual head (maximum)	(4)				Pa			
Fan absorbed power (minimum)	(3)				kW			
Fan absorbed power (maximum)	(4)				kW			
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				473			

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